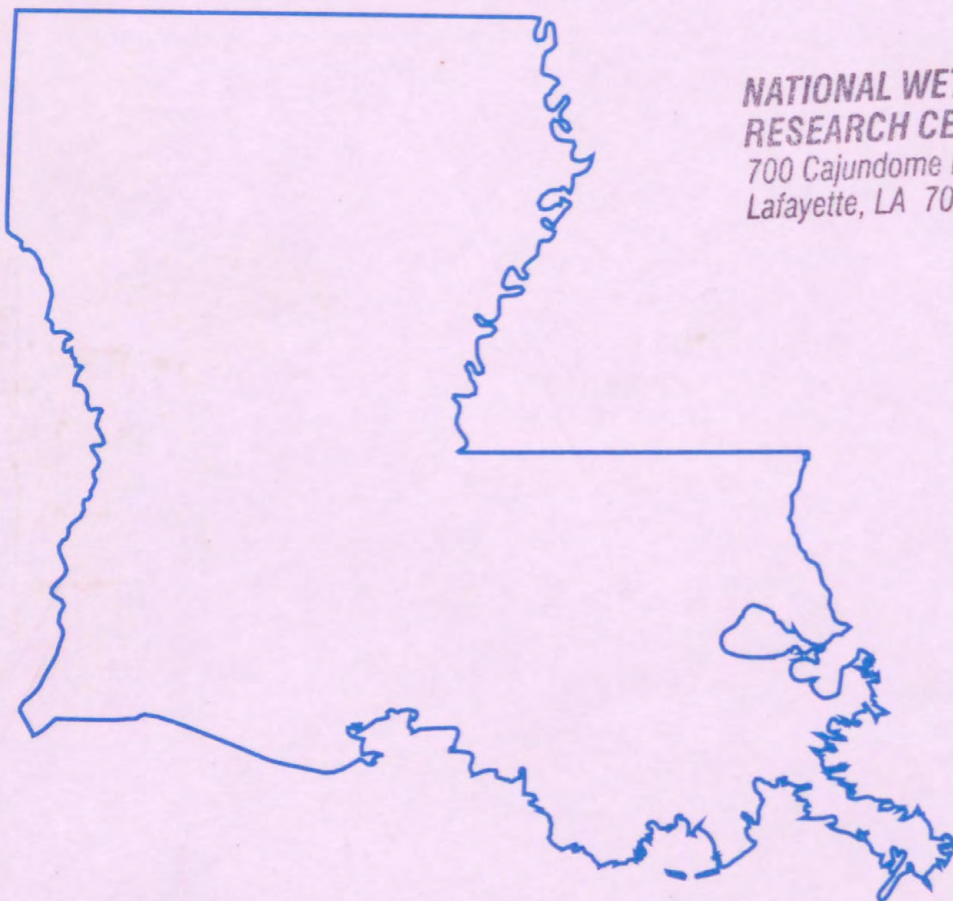


Water Resources Data Louisiana Water Year 1998

Water-Data Report LA-98-1



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Prepared in cooperation with the Louisiana
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CONVERSION FACTORS AND VERTICAL D

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

U.S. Department of the Interior
U.S. Geological Survey

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Water Resources Data Louisiana Water Year 1998

By C.R. Garrison, B.B. Goree, W.M. Lovelace, P.A. Montgomery, and J.C. Resweber

Water-Data Report LA-98-1



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



U.S. DEPARTMENT OF THE INTERIOR
BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY
Charles G. Groat, Director

For information on the water program in Louisiana write to:

District Chief, Water Resources Division

U.S. Geological Survey

3535 S. Sherwood Forest Blvd., Suite 120

Baton Rouge, LA 70816

1998

PREFACE

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

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

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

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13. ABSTRACT (Maximum 200 words) Water resources data for the 1998 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 wells. This report contains records for water discharge at 65 gaging stations; stage only for 57 gaging stations and 7 lakes; water quality for 45 surface-water stations (including 23 gaging stations) and 104 wells; and water levels for 241 observation wells. Also included are data for 168 crest-stage and water-profile partial-record stations. Additional water data were collected at various sites not included in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.				
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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS
ARE PUBLISHED IN THIS VOLUME

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Pearl River near Bogalusa	02489500	51
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Cross Lake at Fortney Bayou at Shreveport	323153093550201	74
Cross Lake at Page Bayou Cove at Shreveport	323043093541201	77
Cross Lake at Twin Bird Island at Shreveport	323121093533101	80
Cross Lake at Hickman's Arm at Shreveport	323013093530501	83
Cross Lake at Johnson's Arm at Shreveport	323150093515601	86
Cross Lake at Hatcher's Arm at Shreveport	322931093503001	89
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DISCONTINUED SURFACE-WATER DISCHARGE, ELEVATION, OR STAGE-ONLY STATIONS

The following continuous-record surface-water discharge, elevation (stage only), or stage-only stations (gaging stations) in Louisiana have been discontinued. Daily streamflow or stage were collected and published for the period of record, expressed in water years, shown for each station. The stations with an (*) are currently operated as crest-stage partial-record stations and the stations with (**) are currently operated as flood-profile partial-record stations. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

[Letters listed under type-of-data collected are: (d) discharge, (e) elevation (stage only), (s) stage only]

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS

	Type of data	Station number	Drainage area (mi ²)	Period of record
Bogue Lusa Creek near Franklinton, LA	(d)	02490000	12.1	1948-68
Bogue Lusa Creek at State Highway 439, at Bogalusa, LA	(d)	02490105	72.7	1963-85
Bogue Chitto at Franklinton, LA	(d)	02491500	990	1928-31
	(d)		990	1938-57
Pearl River at Pearl River, LA	(d)	02492600	8,590	1963-70
Red River near Hosston, LA	(d)	07344400	57,041	1957-96
Paw Paw Bayou near Greenwood, LA	(d)	07344450	80.5	1955-87
Black Bayou near Hosston, LA	(d)	07346500	231	1943-44
Kelly Bayou near Hosston, LA	(d)	07347000	116	1944-69
Black Bayou near Gilliam, LA	(d)	07347500	364	1942-59
	(s)		364	1959-69
Black Bayou near Oil City, LA	(s)	07347700	370	1945-59
Twelvemile Bayou near Dixie, LA	(d)	07348000	3,137	1942-95
Flat Lick Bayou near Leton, LA	(d)	07348800	66.9	1956-77
Bayou Dorcheat near Gilark, LA	(s)	07348960	1,031	1953-79
Flat River near Curtis, LA	(d)	07349374	--	1980-88
Bodcau Bayou near Sarepta, LA	(d)	07349500	546	1938-92
Cypress Bayou above Benton, LA	(d)	07349795	88.9	1974-86
Cypress Bayou near Benton, LA	(d)	07349800	133	1955-68
	(d)		133	1969-74
Red Chute Bayou above U.S. Highway 80, near Shreveport, LA	(s)	07349848	--	1949-50
Red Chute Bayou near Elm Grove, LA	(d)	07349890	1,004	1977-79
Loggy Bayou near Ninock, LA	(s)	07350000	2,628	1961-85
Loggy Bayou near East Point, LA	(s)	07350020	2,648	1955-64
	(d)		2,648	1980-85
Red River near Crichton, LA	(s)	07350100	--	1945-46
Red River at Coushatta, LA	(d)	07350500	63,362	1938-52
Boggy Bayou near Keithville, LA	(d)	07351000	79	1938-82
Bayou Pierre below Caspiana, LA	(d)	07351571	--	1979-82
Bayou Pierre near Grand Bayou, LA	(d)	07351600	661	1977-84
	(s)		661	1984-85
Bayou Na Bonchasse near Mansfield, LA	(d)	07351700	19.5	1957-68
West Branch Dolet Bayou at Rambin, LA	(d)	07351748	32.3	1979-86
Chemard Lake near Evelyn, LA	(s)	07351749	43.8	1977-79
Bayou Dupont near Marthaville, LA	(s)	07351800	--	1957-69
Bayou Dupont near Robeline, LA	(d)	07351900	35.1	1957-69
Black Lake Bayou near Castor, LA	(d)	07352500	423	1940-57
Grand Bayou near Coushatta, LA	(d)	*07352800	93.9	1956-77, 1979-96
Saline Bayou near Clarence, LA	(s)	07353000	1,386	1974-82
Nantachie Creek near Aloha, LA	(s)	07353522	--	1942-46
Youngs Bayou at Natchitoches, LA	(d)	07353800	40.1	1957-64
Kisatchie Bayou at Lotus, LA	(d)	07354100	140	1979-92
Horsepen Creek near Provencal, LA	(d)	07354500	5.27	1949-68
Kisatchie Bayou at Cypress, LA	(s)	07354700	360	1944-49

DISCONTINUED SURFACE-WATER DISCHARGE, ELEVATION, OR STAGE-ONLY STATIONS--Continued

	Type of data	Station number	Drainage area (mi ²)	Period of record
Iatt Lake near Colfax, LA	(s)	07355300	238	1958-59
Hemphill Creek near Hot Wells, LA	(d)	07355000	18.0	1948-64
Dyer Creek near Hot Wells, LA	(d)	07355005	5.22	1955-64
Larto Lake at Dam, near Acme, LA	(s)	07355650	291	1968-76
	(e)		291	1976-90
Ouachita River at Alabama Landing, near Haile, LA	(s)	07364103	1,107	1958-80
Chemin-a-haut Bayou near Beekman, LA	(d)	07364300	271	1955-79
Chemin-a-haut Bayou east of Beekman, LA	(s)	07364320	--	1968-79
Bayou Bartholomew near Beekman, LA	(d)	07364500	1,645	1928-31
	(d)		1,645	1938-59
	(s)		1,645	1959-80
Bayou De Loutre near Laran, LA	(d)	07364700	141	1955-77
Bayou D'Arbonne near Hico, LA	(d)	07364890	254	1980-87
Bayou D'Arbonne near Dubach, LA	(d)	07365000	355	1940-69
Middle Fork Bayou D'Arbonne near Bernice, LA	(d)	07365500	178	1940-57
	(d)		178	1967-70
Corney Bayou near Lillie, LA	(d)	07366000	462	1940-57
Bayou Desiard at Monroe, LA	(s)	07366500	--	1939-59
Cheniere Lake near Bawcomville, LA	(d)	07367500	147	1943-45
Ouachita River at Columbia, LA	(s)	07367640	15,700	1975-81
Boeuf River near Chickasaw, LA	(s)	07367704	787	1959-69
Big Colewa Bayou near Oak Grove, LA	(d)	07368500	42	1949-77
Big Colewa Bayou near Pioneer, LA	(e)	07368505	--	1954-77
Turkey Creek at State Highway 15, at Winnsboro, LA	(s)	**07369205	28.8	1975-80
Lake Providence north of Lake Providence, LA	(e)	07369370	18.7	1967-77
	(d)		18.7	1984-86
Brushy Bayou at Tallulah, LA	(e)	**07369455	--	1974-80
Lower Roundaway Bayou Tributary near Tallulah, LA	(e)	**07369457	--	1974-81
Panola Bayou at Tallulah, LA	(e)	**07369468	--	1977-82
Lake St. Joseph near Newellton, LA	(e)	07369647	23.2	1959-61
	(e)		23.2	1977-87
Lake Bruin at Lake Bruin State Park, near St. Joseph, LA	(e)	07369648	21.4	1959-64
	(e)		21.4	1977-87
Bayou Macon near Kilbourne, LA	(d)	07369700	504	1957-87
Bayou Macon near Delhi, LA	(d)	07370000	782	1935-92
Castor Creek near Grayson, LA	(d)	07370500	271	1940-70
Garrett Creek at Jonesboro, LA	(d)	07371000	2.14	1952-70
Dugdemonia River near Jonesboro, LA	(d)	*07371500	355	1938-57, 1977-96
Fouse Bayou at State Highway 155, near Danville, LA	(d)	07371540	1.5	1977-81
Dugdemonia River near Winnfield, LA	(d)	07372000	654	1939-77
	(s)		654	1977-81
Bayou Funny Louis near Trout, LA	(d)	07372500	92	1939-70
Hemphill Creek at Nebo, LA	(d)	*07373250	35.3	1978-96
Lake St. John near Waterproof, LA	(e)	07373278	14.81	1967-87
Lake Concordia near Ferriday, LA	(e)	07373280	8.91	1967-80
Lake Concordia at Ferriday, LA	(e)	073732805	8.91	1980-87
West Fork Thompson Creek near Wakefield, LA	(d)	07373500	35.3	1949-70
South Canal near Baker, LA	(d)	*07373965	--	1972-82
Monte Sano Bayou Tributary at Baton Rouge, LA	(s)	07373993	--	1985-86
Mississippi River at Baton Rouge, LA	(s)	07374000	1,125,810	1940-58
Mississippi River near New Orleans, LA	(s)	07374500	1,125,900	1934-58
California Bay near Sunrise Point near Nairn, LA	(s)	07374529	--	1992-93
Canal W-14 at Roberts Road, at Slidell, LA	(s)	07374570	--	1985-88

DISCONTINUED SURFACE-WATER DISCHARGE, ELEVATION, OR STAGE-ONLY STATIONS--Continued

	Type of data	Station number	Drainage area (mi ²)	Period of record
Canal W-14 at Daney Street, at Slidell, LA	(s)	07374572	--	1985-87
Canal W-14 at Kingspoint Boulevard, at Slidell, LA	(s)	07374573	--	1985-87
Tickfaw River at Liverpool, LA	(d)	*07375800	89.7	1956-68
	(d)		89.7	1979-81
Little Sandy Creek near Greenwell Springs, LA	(d)	07377240	28.2	1974-85
White Bayou East Diversion Channel near Baton Rouge, LA	(d)	**07377755	--	1972-84
White Bayou East Diversion Channel near Baker, LA	(d)	**07377842	--	1972-84
Beaver Bayou at Hooper Road, near Baton Rouge, LA	(s)	**07378083	--	1982-96
Amite River at 4-H Camp, near Denham Springs, LA	(s)	07378510	1,290	1945-77
Jones Creek at Monterrey Boulevard, at Baton Rouge, LA	(d)	07378597	--	1985-86
Bayou Braud near St. Gabriel, LA	(s)	07378740	--	1965-70
Elbow Bayou at Baton Rouge, LA	(s)	07378788	--	1980-83
Elbow Bayou Tributary at Baton Rouge, LA	(s)	07378790	--	1966-76
	(s)		--	1980-83
Elbow Bayou near Baton Rouge, LA	(s)	07378792	--	1980-83
Ward Creek at Government Street, at Baton Rouge, LA	(d)	**07379000	4.10	1954-67
Bayou Duplantier at City Park Lake, at Baton Rouge, LA	(d)	07379500	.81	1933-39
	(s)		.81	1940-41
Corporation Canal at Oklahoma Street, at Baton Rouge, LA	(e)	**07379502	.56	1970-80
Corporation Canal at Campus Drive, at Baton Rouge, LA	(e)	07379507	1.64	1970-85
Ward Creek at Siegen Lane, near Baton Rouge, LA	(d)	**07380000	40.0	1946-54
Bayou Manchac At Hope Villa, LA	(s)	07380100	138	1945-58
Amite River at Port Vincent, LA	(s)	07380120	1,596	1945-84
Black Bayou near Duplessis, LA	(d)	07380224	3.66	1964-70
Black Bayou near Gonzales, LA	(s)	07380225	8.93	1964-70
New River at Acy, LA	(s)	07380228	--	1976-86
Bayou Labranch at Fall Canal near Kenner, LA	(s)	073802311	--	1992-93
Pipeline Canal at Labanch Wetland near Kenner, LA	(s)	073802312	--	1992-93
BS4-1 Whites Ditch near Naomi, LA	(s)	073802357	--	1992-93
Paillet Canal at Barataria, LA	(s)	073802364	--	1985-88
Lareussite Canal near Naomi, LA	(s)	073802376	--	1992-93
Bayou Grand (BA4-1) near West Pointe-a-la-Hache, LA	(s)	07380252	--	1992-93
Bayou Lafourche at Donaldsonville, LA	(d)	07380400	--	1957-85
Bayou Lafourche at Napoleonville, LA	(s)	07380500	--	1954-57
Bayou Lafourche at Valentine, LA	(e)	07381200	--	1966-86
Bayou Lafourche at Golden Meadow, LA	(s)	07381300	--	1959-79
Bayou Jean LaCroix at Montegut, LA	(s)	07381316	--	1994-97
Bayou DuLarge near Theriot, LA	(s)	07381323	--	1994-97
Houma Navigation Canal at Houma, LA	(s)	07381325	--	1962-67
Houma Navigation Canal at Dulac, LA	(s)	07381328	--	1976-77
Mill Creek near Dulac (Inside), LA	(s)	07381329	--	1993-97
Mill Creek near Dulac (Outside), LA	(s)		--	1993-97
Atchafalaya River at Krotz Springs, LA	(d)	07381500	--	1934-63
	(s)		--	1964-68
Pipeline Canal 13.7 miles northeast of Loreauville, LA	(s)	0738153842	--	1993-97
Si-Bon Canal 9.3 miles northeast of Loreauville, LA	(s)	0738153843	--	1993-95
Milepoint Bayou 8.0 miles north of Loreauville, LA	(s)	073815668	--	1993-95
Elliot Jones Canal near Greenwood, LA	(e)	07381655	--	1974-77
Spring Creek near Melder, LA	(s)	07381768	--	1972-76
Spring Creek near Glenmora, LA	(d)	07381800	68.3	1956-87
Cocodrie Lake near Clearwater, LA	(s)	07381950	240	1959-80
Bayou Cocodrie near Lone Pine, LA	(s)	07382025	--	1945-84
Long Branch at Castor Plunge, near Alexandria, LA	(s)	07382238	10.7	1968-76
Chatlin Lake Canal near Lecompte, LA	(d)	07383000	75.9	1942-53
	(s)		75.9	1953-58

DISCONTINUED SURFACE-WATER DISCHARGE, ELEVATION, OR STAGE-ONLY STATIONS--Continued

	Type of data	Station number	Drainage area (mi ²)	Period of record
West Protection Levee Barrow Pit Channel near Plaucheville, LA	(d)	07384000	321	1944-57
Bayou Courtableau at Weir, near Krotz Springs, LA	(d)	07385000	--	1953-58
Bayou Teche at Franklin, LA	(d)	07385800	--	1984-92
Bayou Carencro near Sunset, LA	(d)	07386000	37.1	1942-61
Bayou Fusilier at State Highway 93, near Arnaudville, LA	(s)	07386202	--	1960-74
Bayou Bourbeau at Shuteston, LA	(d)	07386500	19.0	1942-70
Vermilion River near Carencro, LA	(s)	07386600	--	1948-67
Bayou des Cannes at State Highway 755, near Eunice, LA	(s)	08010010	140	1941-83
Long Point Gully near Crowley, LA	(d)	08010300	25.7	1949-59
	(s)		25.7	1959-67
Bayou Wikoff near Rayne, LA	(s)	08010500	51.3	1967-71
Bayou Plaquemine Brule near Crowley, LA	(d)	08011000	254	1942-47
	(s)		254	1975-79
Bayou Plaquemine Brule near Ebenezer, LA	(s)	08011005	--	1947-51
Bayou Plaquemine Brule at Estherwood, LA	(s)	08011020	--	1947-49
Boggy Bayou near Pine Prairie, LA	(d)	08011500	51.3	1948-51
	(d)		51.3	1965-79
Bayou Nezpique at Mamou Pumping Plant, near Basile, LA	(s)	08012020	542	1945-85
Bayou Queue de Tortue Southwest of Lyons Point, LA	(s)	08012295	158	1976-79
Bayou Queue de Tortue at Riceville, LA	(s)	08012300	--	1942-51
Mermentau River at Lake Arthur, LA	(s)	08012400	--	1984-94
Bayou Lacassine at Intercoastal Waterway, LA	(s)	08012500	--	1954-58
Sixmile Creek near Sugartown, LA	(d)	08014000	171	1956-65
Tenmile Creek near Elizabeth, LA	(d)	08014200	94.2	1949-65
Bundick Creek near De Ridder, LA	(d)	08014800	120	1956-79
Bundick Creek near Dry Creek, LA	(d)	08015000	238	1939-70
English Bayou near Lake Charles, LA	(s)	08016000	--	1954-69
Beckwith Creek near Dequincy, LA	(d)	08016400	148	1945-84
Hickory Branch at Kernan, LA	(d)	08016600	82.2	1945-57
Bayou Choupique near Sulphur, LA	(s)	08017007	--	1984-85
Bayou Castor near Funston, LA	(d)	08022765	91.5	1971-87
Bayou Castor near Logansport, LA	(d)	08023000	96.5	1955-71
	(s)		96.5	1971-85
Bayou San Patricio near Noble, LA	(d)	08023500	154	1951-67
Bayou San Miguel near Zwolle, LA	(d)	08024000	111	1948-67
Blackwell Creek at Many, LA	(d)	08024060	3.16	1959-68
Bayou La Nana near Zwolle, LA	(d)	08024200	130	1955-67
Bayou Anacoco near Leesville, LA	(d)	08027500	115	1948-64
Anacoco Lake near Leesville, LA	(s)	08027700	207	1958-68
Bayou Anacoco near Knight, LA	(d)	08028200	425	1969-73
Hoosier Creek near Merryville, LA	(d)	08028700	13.1	1955-81
Pipeline Canal 7.8 mi north of Charenton, LA		091294300	--	1996-97
Pipeline Canal near Crossing Cove 11.4 miles west of Pigeon, LA	(s)	091300000	--	1993-95
Grand Lake 4.0 miles north northeast of Charenton, LA	(s)	091303000	--	1993-97
Grand Lake 4.1 miles north of Charenton, LA	(s)	091303000	--	1994-97
Atchafalaya River Main Channel 11.3 miles east of Catahoula, LA	(s)	091312700	--	1994-97
Pipeline Canal near Bayou Crook Chene 13.0 miles northeast of Loreauville, LA	(s)	091324000	--	1993-97
Bayou Eugene Overbank area 14.6 miles north northwest of Charenton, LA	(s)	091325300	--	1994-97
Florida Gas Pipeline 10.3 miles northeast of Loreauville, LA	(s)	091343800	--	1993-97

DISCONTINUED SURFACE-QUALITY-WATER STATIONS

The following continuous-record surface-water-quality stations in Louisiana have been discontinued. Daily records of temperature, specific conductance, pH, dissolved oxygen, sediment, chloride, sulfate, or color were collected and published for the record shown for each station.

DISCONTINUED SURFACE-QUALITY-WATER STATIONS

Type of record: Temp. (temperature); S.C. (specific conductance); pH (pH); D.O. (dissolved oxygen), Sed. (sediment); Cl (chloride); Sulfate; and CO (color).

Drainage area: A (drainage area not determined); B (approximately); C (22,240 mi² is noncontributing); D (5,936 mi² above Denison Dam is noncontributing); E (because of interchanging flow between basins, the limits of drainage are more or less arbitrarily determined); F (drainage area indeterminate).

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Pearl River near Bogalusa, LA	02489500	6,573	Temp.	1963-70, 1975-81
		6,573	S.C.	1965-70, 1975-81
		6,573	ph, D.O.	1975-80
		6,573	Sed.	1981-88
Pearl River near Bogalusa, at Pools Bluff, LA	02490193	(A)	S.C., pH, Temp., D.O.	1975-84
Bogue Chitto near Bush, LA	02492000	1,213	S.C., Temp.	1975-81
Pearl River at Pearl River, LA	02492600	B8,590	Temp.	1964
Mississippi River at Tarbert Landing, MS	07295100	C1,124,900	Sed.	1981
Red River near Hosston, LA	07344400	D57,041	Temp.	1957-73, 1976-86
		D57,041	S.C.	1965-86
Red River above Shreveport, LA	07344410	D57,100	S.C., Temp.	1975, 1977
Twelvemile Bayou near Dixie, LA	07348000	3,137	S.C., Temp.	1978-81
Red River at Shreveport, LA	07348500	D60,613	Temp.	1956-58
Bayou Dorcheat near Springhill, LA	07348700	605	S.C.	1968, 1970-72, 1985-86
		605	Temp.	1968, 1985-86
Bayou Pierre near Lake End, LA	07351750	860	Sed.	1983-85, 1987
Grand Bayou near Coushatta, LA	07352800	93.9	Sed.	1981-82
Saline Bayou near Clarence, LA	07353000	1,386	S.C.	1969-70
Bayou De Loutre near Laran, LA	07354700	141	S.C., Temp.	1968-72, 1985-86
Red River at Colfax, LA	07354950	D66,860	Cl	1975-84
		D66,860	Temp.	1976-84
		D66,860	Sed.	1981-84
Red River at Alexandria, LA	07355500	D67,500	Temp.	1953-63, 1973-84
		D67,500	S.C.	1973-81
		D67,500	Cl	1975-84
		D67,500	Sed.	1981
Red River near Simmesport, LA	07355601	93,163	S.C.	1978-81
		93,163	Temp.	1978-79, 1981
Bayou Bartholomew near Jones, LA	07364200	B1,187	S.C.	1968-69
		B1,187	Temp.	1968
Bayou D'Arbonne near Dubach, LA	07365000	355	S.C., Temp.	1968
Corney Bayou near Lillie, LA	07366000	462	S.C., Temp.	1968-72
Little Corney Bayou near Lillie, LA	07366200	208	S.C., Temp.	1968-69
Ouachita River at Monroe, LA	07367000	15,298	Temp.	1955-58, 1969-74
		15,298	S.C.	1966-67, 1969-74
		15,298	D.O.	1969-74
Ouachita River at Columbia, LA	07367640	B15,700	S.C.	1975-81
		B15,700	Temp.	1976-81

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Boeuf River near Arkansas-Louisiana State Line	07367700	E785	S.C., Temp.	1968-69
Boeuf River near Girard, LA	07368000	E1,226	S.C., Temp.	1968-69
Bayou Lafourche near Crew Lake, LA	07369000	E361	S.C.	1968-72
		E361	Temp.	1968-71
Boeuf River near Fort Necessity, LA	07369150	E2,542	S.C., Temp.	1978-81
Tensas River at Tendal, LA	07369500	E309	S.C.	1968, 1971-72, 1975-82
		E309	Temp.	1968, 1975-82
Bayou Macon near Kilbourne, LA	07369700	E504	S.C.	1968-69
		E504	Temp.	1968
Dugdemona River near Winnfield, LA	07372000	654	D.O.	1969-70
Little River near Rochelle, LA	07372200	1,899	S.C.	1966-85
		1,899	Temp.	1980-85
Big Creek at Pollock, LA	07373000	B51	Temp.	1965-72, 1974-77
Black River at Jonesville, LA	07373267	(F)	Temp.	1959-67
		(F)	S.C.	1965-67
Mississippi River near St. Francisville, LA	07373420	1,125,300	Temp.	1955-72, 1975-86, 1988
		1,125,300	S.C.	1965-70, 1972, 1975-88
		1,125,300	Cl	1970, 1975-88
		1,125,300	Sulfate	1970, 1975-88
Mississippi River below St. Francisville, LA	07373423	E1,243,000	pH	1970-71
		E1,243,000	Temp., D.O.	1970-74
		E1,243,000	S.C.	1971-74
Mississippi River at Luling, LA	07374400	E1,125,800	Temp.	1958-72, 1978-88
		E1,125,800	S.C.	1965-72, 1975, 1977-88
		E1,125,800	Cl	1975, 1977-88
		E1,125,800	Sulfate	1975, 1977-88
Mississippi River at New Orleans, LA	07374508	E1,125,900	S.C., D.O.	1969-88
		E1,125,900	Temp.	1971-88
		E1,125,900	pH	1977-88
Mississippi River at Belle Chasse, LA	07374525	E1,125,930	S.C.	1975-88
		E1,125,930	Temp.	1976-88
		E1,125,930	Cl	1975-84, 1986-88
		E1,125,930	Sulfate	1976-78
California Bay near Sunrise Point near Nairn, LA	07374529	(F)	S.C., Temp.	1992-93
Mississippi River at Venice, LA	07374550	(A)	Cl	1975
Tchefuncta River near Covington, LA	07375050	145	S.C., Temp.	1978-82
Tangipahoa River at Robert, LA	07375500	646	S.C., Temp.	1980-82
Tangipahoa River at Lee Landing, LA	07375660	(A)	Temp.	1964
Comite River near Comite, LA	07378000	284	Temp.	1945
Amite River near Denham Springs, LA	07378500	1,280	S.C., Temp.	1968
Amite River, at 4H Camp, near Denham Springs, LA	07378510	1,290	S.C., Temp.	1973-81
Si-Bon Canal 9.3 miles northeast of Loreauville, LA	0738153843	(A)	S.C., Temp., D.O., pH	1993-95
Pass Manchac at Manchac, LA	07380230	3,204	Cl	1975-84
		3,204	Temp.	1977-84
Bayou Labranch at Fall Canal near Kenner, LA	073802311	(F)	S.C., Temp.	1992-93
Pipeline Canal at Labranch Wetland near Kenner, LA	073802312	(F)	S.C., Temp.	1992-93
BS4-1 Whites Ditch near Naomi, LA	073802357	(F)	S.C., Temp.	1992-93
Lareussite Canal near Naomi, LA	073802376	(F)	S.C., Temp.	1992-93

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Bayou Grand (BA4-1) near West Pointe-a-la-Hache, LA	07380252	(F)	S.C., Temp.	1992-93
Bayou Lafourche at Valentine, LA	07381200	(F)	S.C.	1971-74
Bayou Lafourche, above Intracoastal Waterway, near Larose, LA	07381225	(A)	S.C.	1976-78
Bayou Lafourche at Golden Meadow, LA	07381300	(F)	Cl	1975-84
		(F)	Temp.	1977-78, 1981-84
Bayou Lafourche at Leeville, LA	07381310	(F)	Cl	1975-77
		(F)	Temp.	1977
Bayou Jean Lacroix at Montegut, LA	07381316	(F)	S.C., Temp.	1994-97
Bayou Terrebonne at Houma, LA	07381320	(F)	Cl	1975-80
Bayou DuLarge at Theriot, LA	07381323	(F)	S.C., Temp.	1995-97
Houma Navigation Canal at Houma, LA	07381325	(F)	S.C.	1978-81
		(F)	Temp.	1978, 1981
Houma Navigation Canal at Dulac, LA	07381328	(A)	S.C., Temp.	1974-75
			D.O.	
Mill Creek near Dulac, LA	07381329	(F)	S.C., Temp.	1993-97
Company Canal at Lockport, LA	07381350	(F)	S.C.	1979-85
		(F)	Temp.	1981-85
Lower Grand River at Bayou Sorrel, LA	07381450	(F)	S.C., Temp.	1980-82
Atchafalaya River at Melville, LA	07381495	93,316	S.C., Temp.	1979-81
Atchafalaya River at Krotz Springs, LA	07381500	(F)	Temp.	1953-55
		(F)	S.C.	1967, 1969-71
Bayou Cocodrie near Clearwater, LA	07382000	240	Temp.	1953-54
Bayou Teche at Keystone Lock, near St. Martinville, LA	07385700	(F)	S.C., Temp.	1975-81
Bayou Teche near Olivier, LA	07385750	(F)	Temp., D.O.	1974-80
		(F)	S.C.	1976-80
		(F)	pH	1977-80
Bayou Bourbeau at Shuteston, LA	07386500	(A)	Cl, Temp., S.C.	1968
Vermilion River, at State Highway 3073, near Lafayette, LA	07386935	(F)	S.C., Temp., D.O.	1971-81
		(F)	pH	1976-81
Vermilion River at Perry, LA	07386980	(F)	S.C.	1966-78
Vermilion River at Bancker Ferry, near Abbeville, LA	07387000	(F)	Temp.	1949-62
		(F)	S.C., Cl	1951-62
Mermentau River at Mermentau, LA	08012150	1,381	S.C., Temp.	1980-82
Mermentau River at Lake Arthur, LA	08012400	(F)	S.C.	1951-58, 1960-69
		(F)	Cl	1951-58, 1960-65, 1967-69
		(F)	Temp.	1959-69
Calcasieu River near Oberlin, LA	08013500	753	S.C., Temp.	1976-77, 1979
		753	pH, D.O.	1976-77
Calcasieu River near Kinder, LA	08015500	1,700	S.C., Temp.	1979-82
Calcasieu River near Lake Charles, LA	08015900	2,310	S.C., Temp.	1975-78
Bayou Castor near Logansport, LA	08023000	96.5	Sed.	1983-84
Bayou San Patricio near Benson, LA	08023400	80.2	Sed.	1981-85
Bayou Anacoco near Rosepine, LA	*08028000	365	S.C., CO	1971-72
Bayou Anacoco near Knight, LA	08028200	425	S.C., Temp., CO	1970-71
Pipeline Canal near Crossing Cove 11.4 miles west of Pigeon, LA	091300000	(A)	S.C., Temp., D.O., pH	1993-95

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Overbank Area 14.6 miles north northwest of Charenton Lake, LA	091325300	(F)	S.C., Temp., D.O., pH	1994-97
Bayou Crook Chene above Bayou Eugene near Loreauville, LA	091344700	--	S.C., Temp., D.O., pH	1994-97
Bayou Grand Caillou at Dulac, LA	292258090425500	(F)	Cl	1975-84
		(F)	Temp.	1978-84
Freshwater Canal near Forked Island, LA	293316092182000	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Vermilion Bay, at Cypremort Point, near Louisa, LA	294110091533000	(F)	Cl	1975-76, 1978-79, 1981-82
		(F)	Temp.	1978-79, 1981-82
Schooner Bayou near Forked Island, West	294528092154800	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Schooner Bayou near Forked Island, East	294528092154801	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway, at Vermilion Lock East, near Intracoastal City, LA	294700092114000	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway, at Vermilion Lock West, near Intracoastal City, LA	294705092115300	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Mermentau River, south of Control Structure, near Grand Chenier, LA	295146092510100	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Mermentau River, north of Control Structure, near Grand Chenier, LA	295148092510100	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway at Gibbstown, LA	295600093053000	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Chef Menteur Pass at Chef Menteur, LA	300404089482500	(F)	Cl	1975-81
		(F)	Temp.	1977-81
Lake Pontchartrain, at New Orleans, LA, at Little Woods, LA	300434089564000	(F)	Cl	1975-78
		(F)	Temp.	1977-78
Intracoastal Waterway at Calcasieu Lock	300514093172800	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Rigolets near Lake Pontchartrain, near Slidell, LA	301002089441300	(F)	Cl	1975-84
		(F)	Temp.	1977-84
Lake Pontchartrain, near North Shore, near Slidell, LA	301108089503600	(F)	Cl	1975-84
		(F)	Temp.	1977-84
Calcasieu River and Pass near Lake Charles, LA	301305093151200	(F)	Cl	1975-81
		(F)	Temp.	1977-81
Calcasieu River, at mile 36.0, at Lake Charles, LA	301425093145000	(F)	Temp., Cl	1982
Calcasieu River, east of barrier, at Lake Charles, LA	301513093130500	(F)	Cl	1975, 1977-82
		(F)	Temp.	1977-82
Calcasieu River, west of barrier, at Lake Charles, LA	301513093130600	(F)	Cl	1975, 1977-82
		(F)	Temp.	1977-82

WATER RESOURCES DATA - LOUISIANA, 1998

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Louisiana each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Louisiana."

This report includes records on both surface and ground water in the State. Specifically, it contains: (1) Discharge records for 65 streamflow-gaging stations, stage only for 57 gaging stations, for 129 partial-record or miscellaneous streamflow stations, and for 39 crest-stage, partial-record streamflow stations; (2) stage records for 7 lakes; (3) water-quality records for 23 streamflow-gaging stations, for 22 ungaged stream sites, and for 104 wells; and (4) water-level records for 241 observation wells. Quality assurance data in the form of blanks, replicate samples, and percent recovery of organics data have been collected and are available upon request.

This series of annual reports for Louisiana began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Louisiana were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Parts 2, 7, and 8." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperatures, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-98-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on back of title page or by telephone (225) 389-0281.

WATER RESOURCES DATA - LOUISIANA, 1998

COOPERATION

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

Louisiana Department of Transportation and Development, Kam K. Movassaghi, Secretary.

Louisiana Department of Wildlife and Fisheries, James H. Jenkins Jr, Secretary.

Louisiana Department of Environmental Quality, J. Dale Givens, Secretary.

Louisiana Department of Natural Resources, Jack Caldwell, Secretary.

Louisiana Office of Emergency Preparedness, Brigadier General Bennett C. Landreneau, Director

Parish of Ascension, Tommy Martinez, Parish President; Department of Public Works,
Frank P. Frederic, Director.

City of Baton Rouge and Parish of East Baton Rouge, Tom Ed McHugh, Mayor-President;
Department of Public Works, Fred Raiford, Director.

City of Shreveport, Robert Williams, Mayor; Department of Water and Sewerage,
Bob Game, Director.

City of West Monroe, Dave Norris, Mayor; Water Department, Don Hogan, Director.

Capital Area Ground Water Conservation Commission, Mitchell Hollier, Chairman;
Don Dial, Director.

Sabine River Compact Administration, composed of Peggy E. Montano, Chairperson;
Dr. Doug Brandon and William B. Lewis for Louisiana; Danny Choate and
Frank Parker for Texas.

Amite River Basin Drainage and Water Conservation District, Floyd Younger, President;
Dietmar Rietschier, Executive Director.

Lafayette Parish Bayou Vermilion District, Steve Lemaire, President; Jo Dunham, Executive
Director.

Bayou D'Arbonne Lake Watershed District, Tommy Grafton, President.

Parish of St. Tammany, Steve Stefancik, Parish President; Department of Public Works, Kim E. Salter.

Parish of Tangipahoa, Office of Emergency Preparedness, John G. Ballard.

Assistance in the form of funds or services was provided by the New Orleans District and Vicksburg District of the U.S. Army Corps of Engineers in collection of records for stage and discharge stations and for water-quality stations published in this report.

Organizations that supplied data are acknowledged in the station descriptions.

WATER RESOURCES DATA - LOUISIANA, 1998

SUMMARY OF HYDROLOGIC CONDITIONS

Surface-Water Conditions

For the water year, the annual statewide average rainfall total was 64.78 in., which was above the statewide 30-year average by 7.55 in., with all regions of Louisiana recording higher-than-average rainfall totals compared to the mean annual totals. Below normal rainfall conditions occurred statewide from April to July, but extreme rainfall amounts from tropical systems during September helped to overcome the rainfall deficits for the year. Three of the four index stations in the State (representative gaging stations at Pearl River near Bogalusa, Saline Bayou near Lucky, Amite River near Denham Springs, and Calcasieu River near Oberlin, fig. 1) had annual mean discharges above their long-term annual mean discharges. Only Calcasieu River near Oberlin had an annual mean discharge below its long-term average.

In October, the statewide average rainfall total was 4.34 in., 0.64 in. above the 30-year average. Above normal conditions occurred in the northern region, as shown by the monthly mean discharge of 75.8 ft³/s (cubic feet per second) at Saline Bayou near Lucky, which was above its long-term monthly mean of 44.5 ft³/s. Southern Louisiana had an average rainfall total of 2.60 in. during October, which was 1.13 in. below the 30-year average.

In November, the statewide average rainfall total was above the 30-year average, and the southern region total was 1.86 in. above the 30-year average of 4.16 in.; however, the northern region was 0.64 in. below the long-term average of 4.78 in. All four index stations recorded below-average monthly mean discharges in November (fig. 1).

Statewide rainfall totals were near-normal in December, and the State average monthly total was 5.63 in., only 0.01 in. below the statewide 30-year average. Only the northern region had average rainfall totals above its 30-year average. Saline Bayou near Lucky had a monthly mean discharge of 411 ft³/s, which was nearly twice its long-term monthly mean discharge of 207 ft³/s.

The month of January had a statewide average total of 11.88 in., which was 6.93 in. above the 30-year average. All four index stations recorded annual peak discharges in January (fig. 1). Pearl River near Bogalusa and Calcasieu River near Oberlin recorded monthly mean discharges of 43,080 ft³/s and 5,417 ft³/s, respectively, which were more than twice their long-term monthly mean discharges of 15,770 ft³/s and 2,099 ft³/s. Saline Bayou near Lucky and Amite River near Denham Springs recorded monthly mean discharges of 956 ft³/s and 11,290 ft³/s, respectively, which were more than three times their long-term monthly mean discharges of 317 ft³/s and 3,477 ft³/s.

A two-month period of above average rainfall conditions continued through February and March and the statewide monthly totals of 6.13 and 5.29 in., respectively, exceeded their 30-year averages by 1.24 and 0.34 in. In February, the northeastern region rainfall total was 7.87 in., which exceeded the 30-year average by 2.78 in. Saline Bayou near Lucky reflected this additional rainfall in February, with its monthly mean discharge of 521 ft³/s exceeding its long-term monthly mean discharge of 342 ft³/s. In March, the southern region had an average rainfall total of 5.59 in., which was 1.13 in. above the 30-year average. Pearl River near Bogalusa had a March monthly mean discharge of 35,780 ft³/s, exceeding its long-term monthly mean discharge of 20,760 ft³/s.

A four-month period of below average rainfall conditions began in April and continued through July. During this period, the statewide average rainfall total was 10.59 in., 8.87 in. below the 30-year average. In April, all four index stations recorded monthly mean discharges below their long-term monthly mean discharges (fig. 1). In May, the average statewide rainfall total was 0.45 in., 4.80 in. below the 30-year average. The average statewide rainfall totals for June and July were 2.77 and 3.70 in., respectively, which were 1.87 and 1.55 in. below their 30-year averages. From May to July, all four index stations had below-normal mean monthly discharges. For this three-month period, Calcasieu River near Oberlin had monthly mean discharges of 124 ft³/s, 37.9 ft³/s, and 37.7 ft³/s, respectively, which were below its long-term monthly mean discharges of 1,580 ft³/s, 659 ft³/s, and 516 ft³/s by nearly 90 percent (fig. 1).

In August, the statewide average rainfall total was near normal with a statewide total of 4.73 in., 0.15 in. above the 30-year average. However, all four index stations had below average monthly mean discharges (fig. 1).

A series of tropical storms and hurricanes (Frances and Georges) in September ended the dry conditions throughout Louisiana. The statewide average rainfall total for September was 10.93 in., which was 6.45 in. above the 30-year average. The southeastern region had a monthly rainfall total of 21.03 in., which was 15.08 in. above the 30-year total. All three index stations, except Calcasieu River near Oberlin, returned to near normal monthly mean discharges (fig. 1). Calcasieu River near Oberlin had a monthly mean discharge of 1,900 ft³/s, which was greater than five times the long-term monthly mean discharge of 326 ft³/s.

WATER RESOURCES DATA - LOUISIANA, 1998

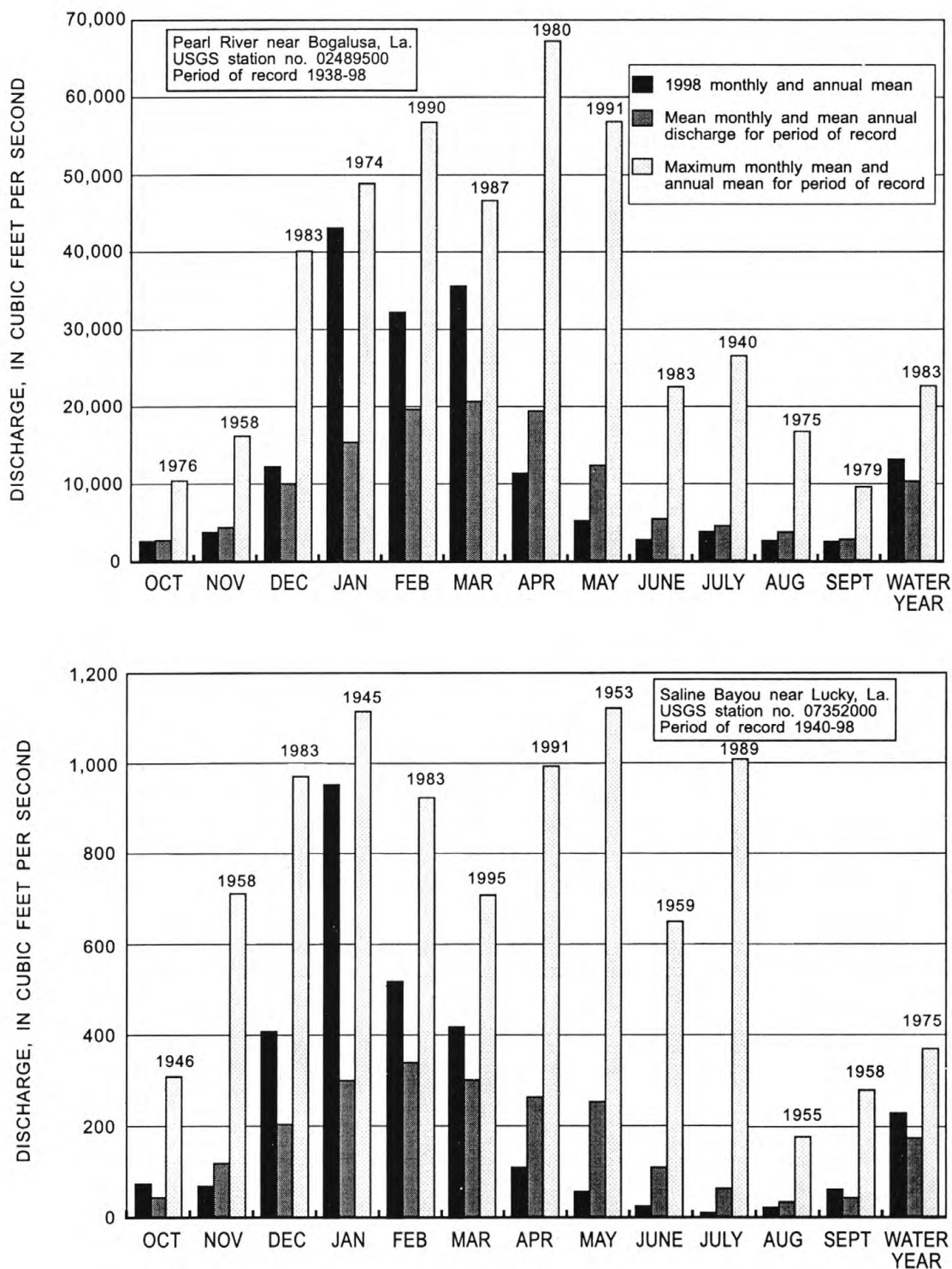


Figure 1. Comparison of discharge during the 1998 water year with mean and maximum discharge for the period of record at four representative gaging stations.

WATER RESOURCES DATA - LOUISIANA, 1998

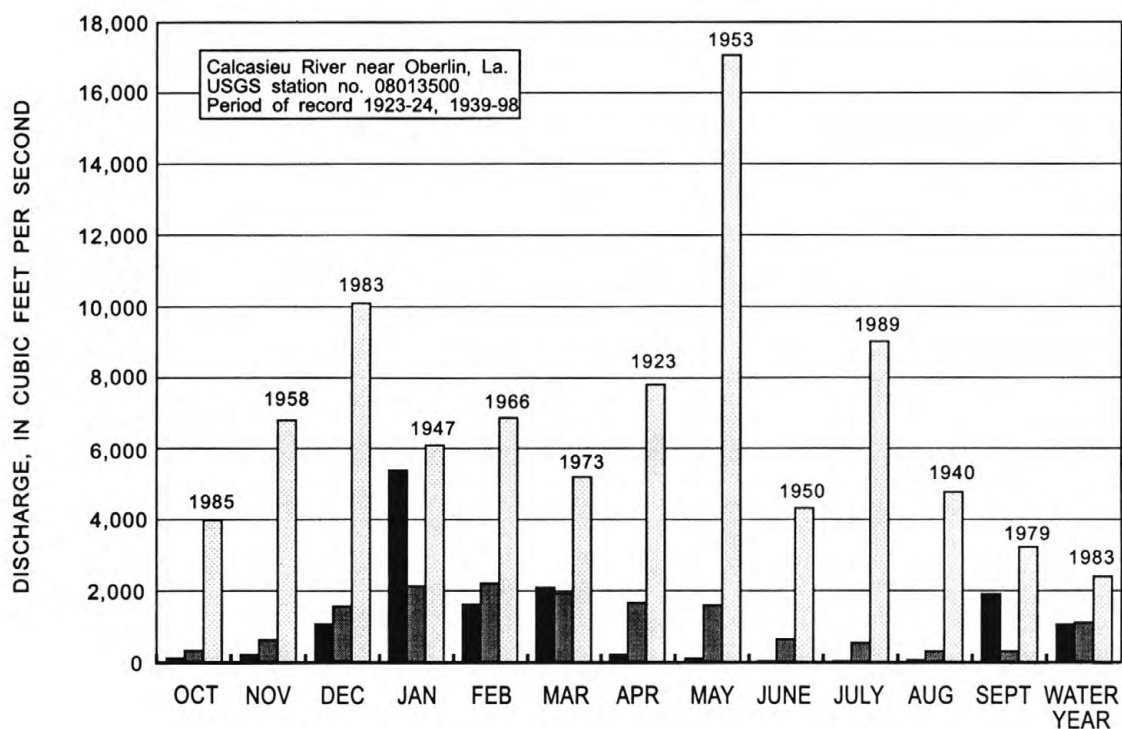
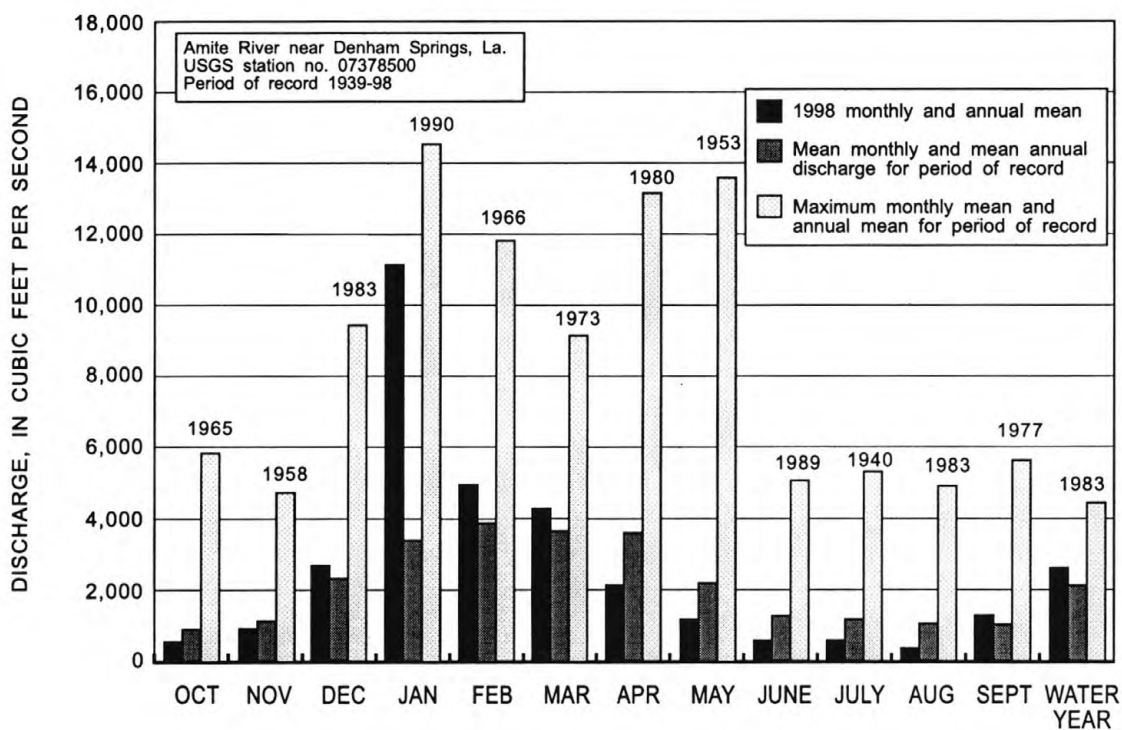


Figure 1. Comparison of discharge during the 1998 water year with mean and maximum discharge for the period of record at four representative gaging stations--Continued.

WATER RESOURCES DATA - LOUISIANA, 1998

Surface-Water Quality

This section briefly describes the quality of water in selected streams in Louisiana. Samples generally were collected bimonthly or monthly from streams within the State. Sediment analyses are available for the Atchafalaya and Mississippi Rivers.

At most sites along the lower Mississippi River, the specific conductance values ranged from 310 to 570 $\mu\text{S}/\text{cm}$ (microsiemens per centimeter at 25 °C) during the 1998 water year. However, flow of saltwater from the Gulf of Mexico into the lower Mississippi River affected the specific conductance at Venice; the specific conductance at the surface was 1,030 $\mu\text{S}/\text{cm}$ on September 17, 1998. Water temperature values ranged from approximately 7.0 to 30.0 °C. Chloride concentrations ranged from a minimum of 10 mg/L (milligrams per liter) at St. Francisville on May 28, 1998, to a maximum of 190 mg/L at Venice on September 17, 1998.

Locks and dams along the Red River now affect the water quality of the river by creating pools at the locks and dams such as the one at Lock and Dam 1 near Vick. At sites along the Red River, the specific conductance ranged from 214 to 1,310 $\mu\text{S}/\text{cm}$ during the 1998 water year. Water temperature values ranged from approximately 7.0 to 31.0 °C. Chloride concentrations ranged from approximately 16 to 190 mg/L along the Red River. Total iron and manganese concentrations were characteristically high. Total iron concentrations ranged from a minimum of 40 $\mu\text{g}/\text{L}$ (micrograms per liter) at Coushatta on July 22, 1998, to a maximum of 3,000 $\mu\text{g}/\text{L}$ at Shreveport on January 28, 1998. Total manganese concentrations ranged from a minimum of 52 $\mu\text{g}/\text{L}$ at Coushatta on July 22, 1998, to a maximum of 200 $\mu\text{g}/\text{L}$ at Shreveport on July 22, 1998.

Water-quality stations on the Atchafalaya River include the Lower Atchafalaya River at Morgan City and the Atchafalaya River at Melville. The specific conductance values ranged from 294 $\mu\text{S}/\text{cm}$ at Melville on February 24, 1998, to 514 $\mu\text{S}/\text{cm}$ at Melville on September 22, 1998. The minimum water temperature was 6.5 °C at Melville on January 29, 1998, and the maximum water temperature was 30.0 °C at Melville on May 27, 1998. The minimum sediment load was 16,800 T/day (tons per day) at Melville on November 18, 1997, and the maximum sediment load was 376,000 T/day at Morgan City on February 5, 1998.

Ground-Water Levels

During the water year, water levels were monitored in aquifers throughout the State. Aquifers in northern Louisiana included the Mississippi River alluvial, upland terrace, Cockfield, Sparta, and Carrizo-Wilcox aquifers. Normal seasonal fluctuations with no substantial long-term change were observed in water levels in the Mississippi River alluvial, upland terrace, Cockfield, and Carrizo-Wilcox aquifers. Water levels in the Sparta aquifer continue to decline about 1 to 2 ft/yr (feet per year); the regional water-level decline is illustrated in the hydrograph for well W-172 (fig. 2a).

In aquifers of Miocene age in central Louisiana, water levels in the Williamson Creek aquifer indicated no substantial changes. Water levels in the Carnahan Bayou aquifer (well R-1056, fig. 2a) and the Catahoula aquifer indicated little net change (fig. 2a).

Water levels in most wells monitored in the Chicot aquifer of southwestern Louisiana indicated normal seasonal fluctuations but little net change in most areas, with the following exceptions. In the updip and outcrop area where the Chicot aquifer is undifferentiated, the water level in well Ev-229 declined at a rate of about 1.0 ft/yr from 1989 to 1998. In areas where the Chicot aquifer is divided into upper and lower sand units, water levels in wells Ac-335U, Ac-326, Cn-81L, JD-9, and JD-773 generally have declined at rates of less than 2 ft/yr since 1993.

Seasonal fluctuations in the Chicot aquifer ranged from about 2 to 40 ft, and were due mostly to seasonal pumpage. Seasonal fluctuations in water levels due to pumpage from the Chicot aquifer in heavily irrigated rice-growing areas are illustrated in the hydrograph of well JD-485A (fig. 2a). Water levels in wells monitored in the Evangeline aquifer of southwestern Louisiana fluctuated seasonally with little net change. Seasonal fluctuations due to pumpage from the Evangeline aquifer are generally less than 10 ft.

In East and West Baton Rouge, East and West Feliciana, and Pointe Coupee Parishes, water levels in most monitored wells fluctuated seasonally up to 30 ft. Long-term trends indicate water levels have declined at rates of 0.5 to 2.5 ft/yr in about half of the wells monitored over the past 5 to 10 years. The largest water-level decline has occurred in well WBR-160 in West Baton Rouge Parish at a rate of about 5.5 ft/yr since 1991 (fig. 2b).

In the River Parishes south of Baton Rouge, water levels in the monitored wells fluctuated seasonally with little net change. Seasonal fluctuations due to pumpage and variations in the stage of the Mississippi River are generally less than 30 ft.

WATER RESOURCES DATA - LOUISIANA, 1998

In the Florida Parishes, the area east of Baton Rouge and north of Lake Pontchartrain, water levels in most of the monitored wells fluctuated seasonally and water levels in many of the wells have declined over longer periods. The declines have ranged from about 1 to 2 ft/yr over the past 6 to 10 years, and are illustrated in the hydrographs of wells Li-185 in Livingston Parish and Ta-343 in Tangipahoa Parish (fig. 2b).

Ground-Water Quality

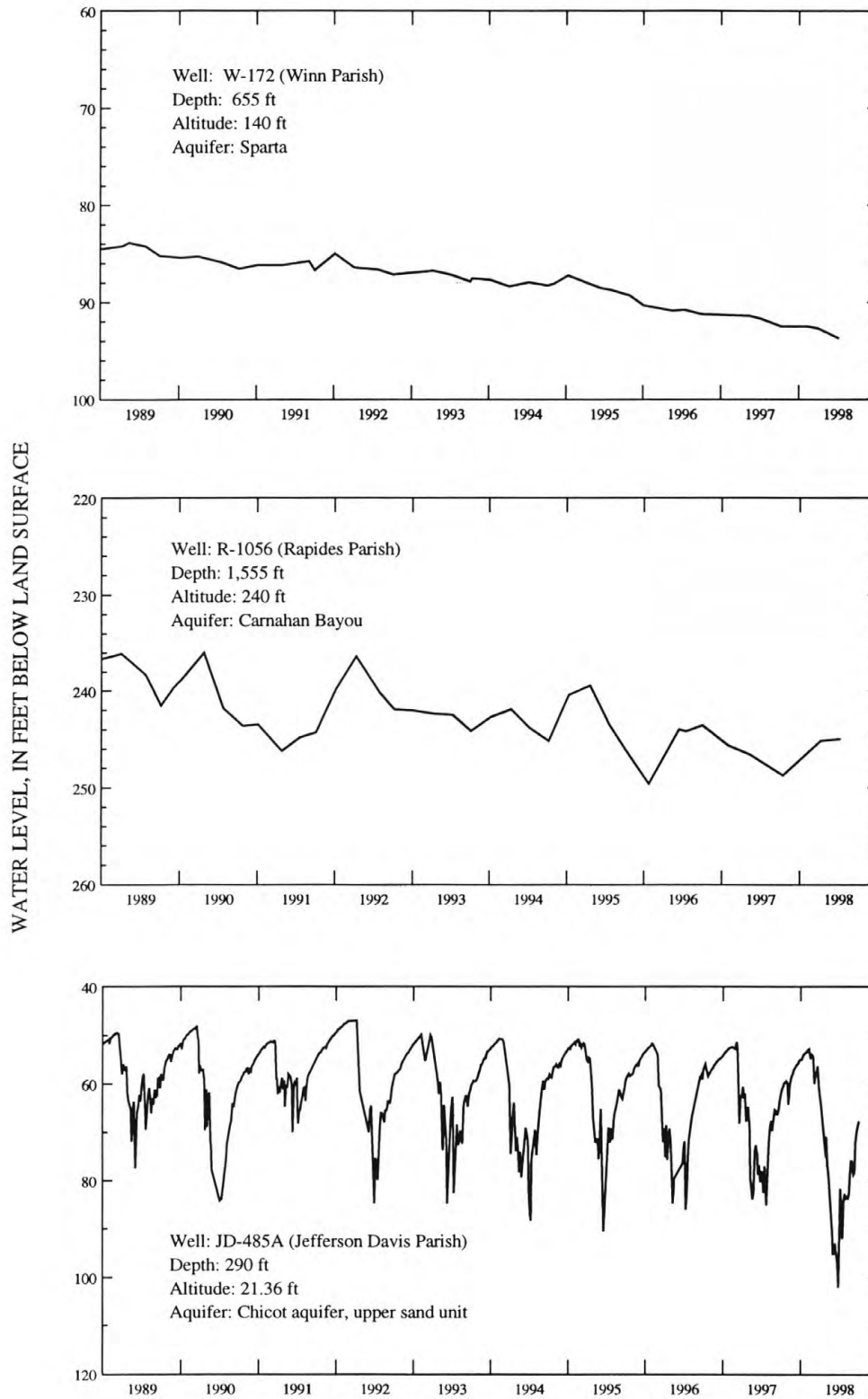
Chloride concentrations in water from 104 wells completed in the major aquifers ranged from 2.4 mg/L in well WBR-100B, completed in the "2,400-foot" sand in West Baton Rouge Parish, to 8,600 mg/L in well EB-805, completed in the "1,000-foot" sand in East Baton Rouge Parish. Chloride concentrations in water from wells completed in the Mississippi River alluvial aquifer indicated little change except for wells Co-205 and -215 in Concordia Parish. Since September 1995, chloride concentrations in water from well Co-205 have increased from 26 to 35 mg/L, but in water from well Co-215 concentrations decreased from 930 to 819 mg/L. Chloride concentrations in water from the Sparta aquifer remained constant except for an increasing trend for well W-144B in Winn Parish. Chloride concentrations in this well have increased 40 to 50 mg/L since 1991.

Chloride concentrations in water from wells completed in the upper part of the Chicot aquifer along the fresh-water-saltwater interface in southwestern Louisiana changed little during the water year, with the exception of well I-93 in Iberia Parish in which concentrations have decreased at a rate of about 3 (mg/L)/yr for the past 10 years, and well Ve-637L in Vermilion Parish in which concentrations have increased at a rate of about 7 (mg/L)/yr since 1990 (fig. 2c). Chloride concentrations in wells monitored in the Lake Charles area remained fairly constant in the "200-foot" and "500-foot" sands, and continued to increase slightly in the "700-foot" sand.

In the Baton Rouge area, chloride concentrations have remained constant or continued previous trends for most wells sampled, with the following exceptions. In the "1,000-foot" sand, chloride concentrations in well EB-782A have decreased from 550 to 410 mg/L since 1996. In the "1,500-foot" sand, concentrations increased in well EB-789B for the last several years at a rate of about 120 (mg/L)/yr. Chloride concentrations in well EB-783A have increased from about 140 to 270 mg/L since 1993. In the last 4 years, chloride concentrations in well EB-918 increased from 6.8 to 180 mg/L (fig. 2c), whereas in well EB-917, concentrations decreased from 50 to 24 mg/L. In the "2,400-foot" sand, chloride concentrations in well EB-804B have increased from about 8 to 54 mg/L since 1993.

Chloride concentrations in aquifers in southeastern Louisiana near New Orleans indicated little change or continued previous trends for most wells sampled, with the following exceptions. In well SC-159 in the Norco aquifer, chloride concentrations increased from 230 to 440 mg/L from 1995 to 1997, then decreased to 260 mg/L in 1998. Chloride concentrations in wells Jf-161 (fig. 2c) and -184 in the Gonzales-New Orleans aquifer have increased at a rate of about 6 (mg/L)/yr since 1990.

WATER RESOURCES DATA - LOUISIANA, 1998

**Figure 2a.** Water levels for wells W-172, R-1056, and JD-485A.

WATER RESOURCES DATA - LOUISIANA, 1998

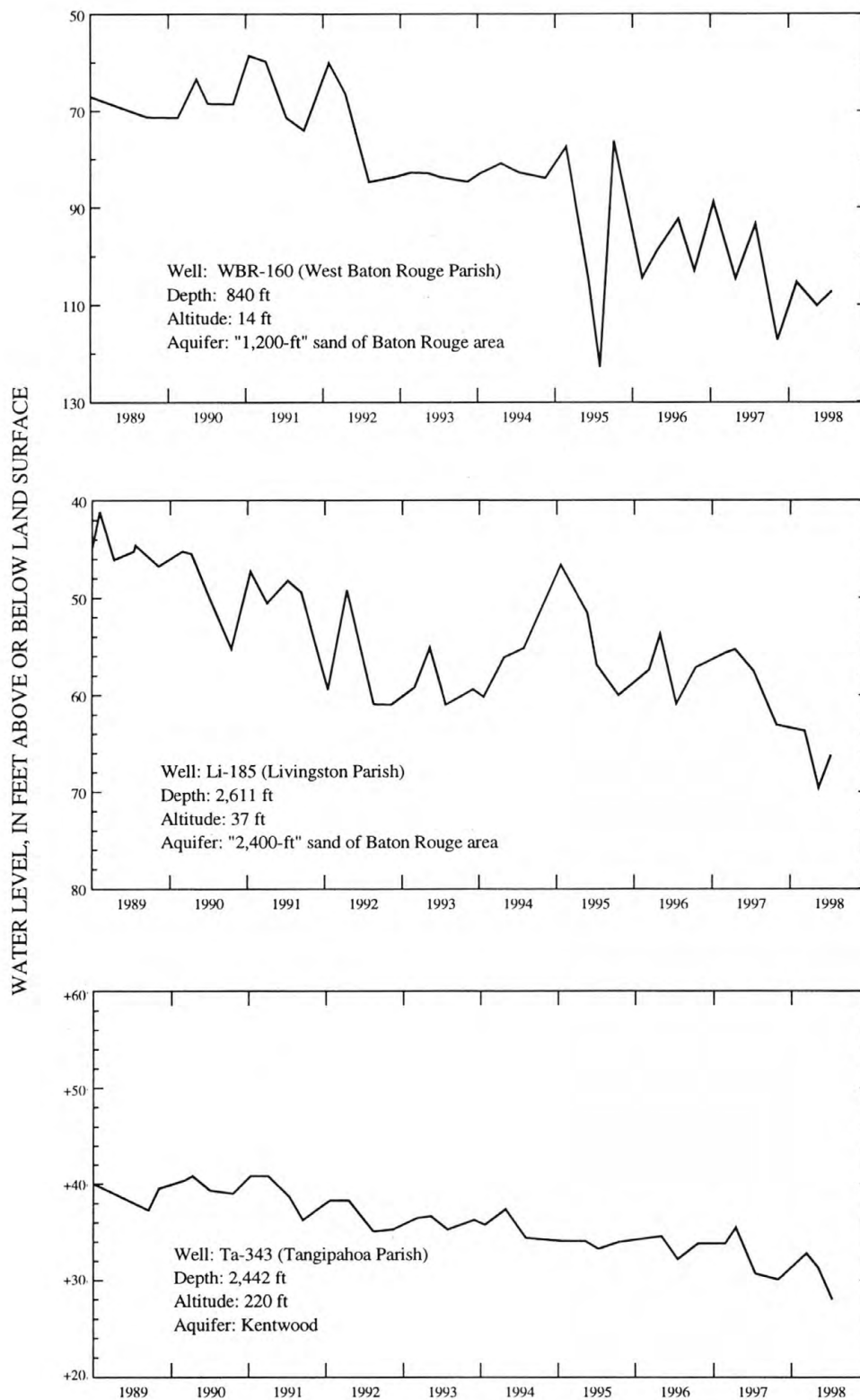
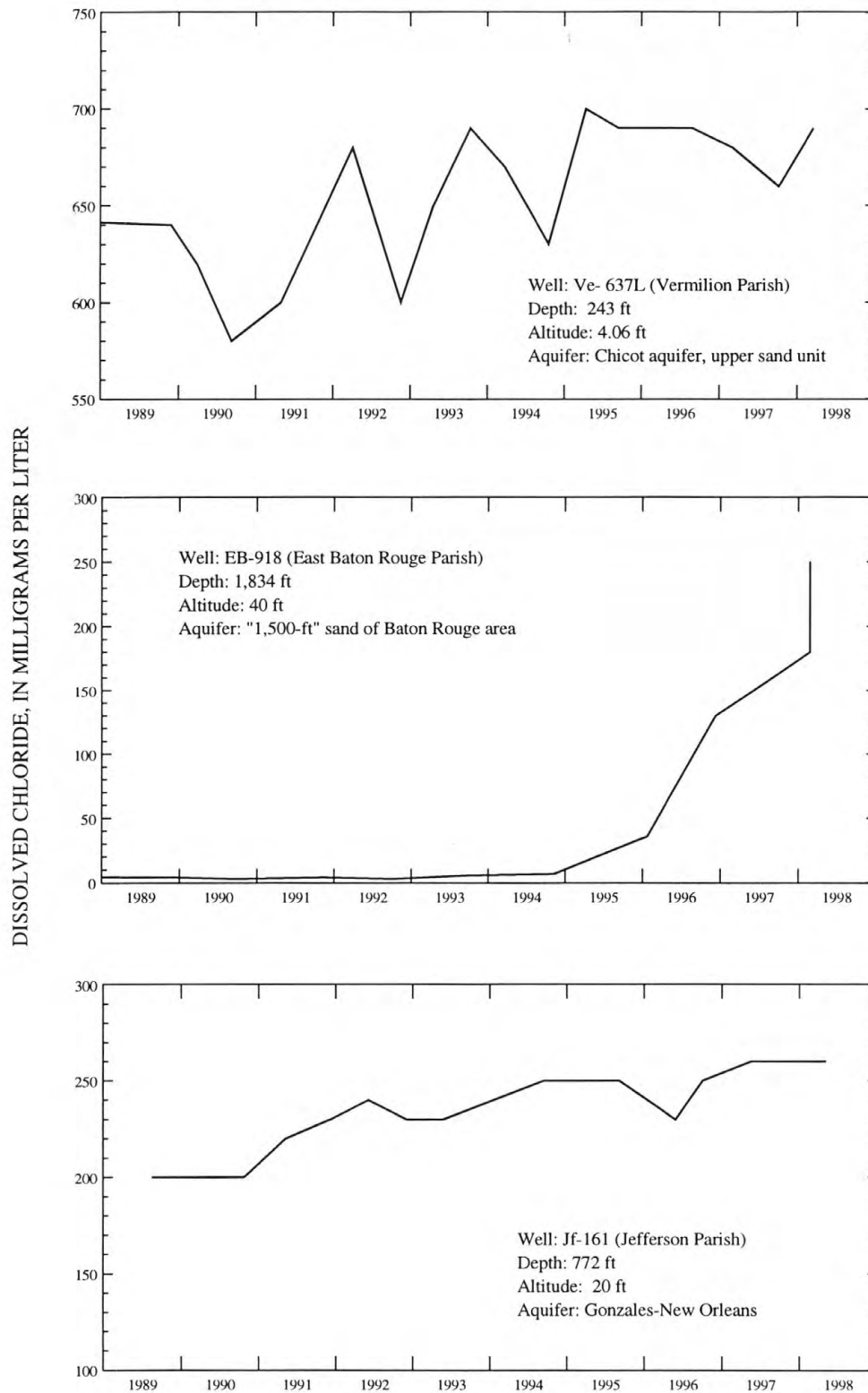


Figure 2b. Water levels for wells WBR-160, Li-185, and Ta-343.

WATER RESOURCES DATA - LOUISIANA, 1998

**Figure 2c.** Chloride concentrations for wells Ve-637L, EB-918, and JF-161.

WATER RESOURCES DATA - LOUISIANA, 1998

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO₂ emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO₂ and NO_x scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through the world wide web at:

<http://nadp.nrel.colostate.edu/NADP>

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 53 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies.

Additional information about the NAWQA Program is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

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.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1998 water year that began October 1, 1997, and ended September 30, 1998. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage data for lakes, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4-19. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

WATER RESOURCES DATA - LOUISIANA, 1998

Station Identification Numbers

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

Downstream Order System

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

The station identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight- to fourteen-digit number for each station such as 02489500000000, which appears just to the left of the station name, includes the two-digit Part number "02" plus the six- to twelve-digit downstream order number "489500000000." The Part number designates the major river basin; for example "02" is the South Atlantic Slope and Eastern Gulf of Mexico.

Latitude-Longitude System

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a one-second grid. This site-identification number, once assigned, is a pure number, and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure 3). In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish in which the well is located, followed by a serial number assigned when the well was inventoried.

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

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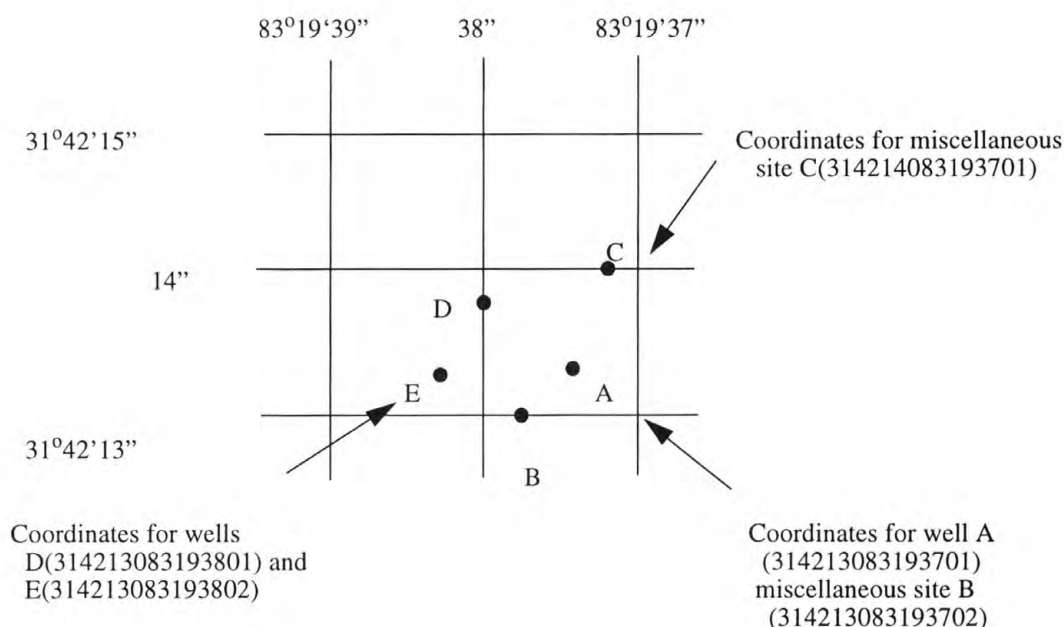


Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude).

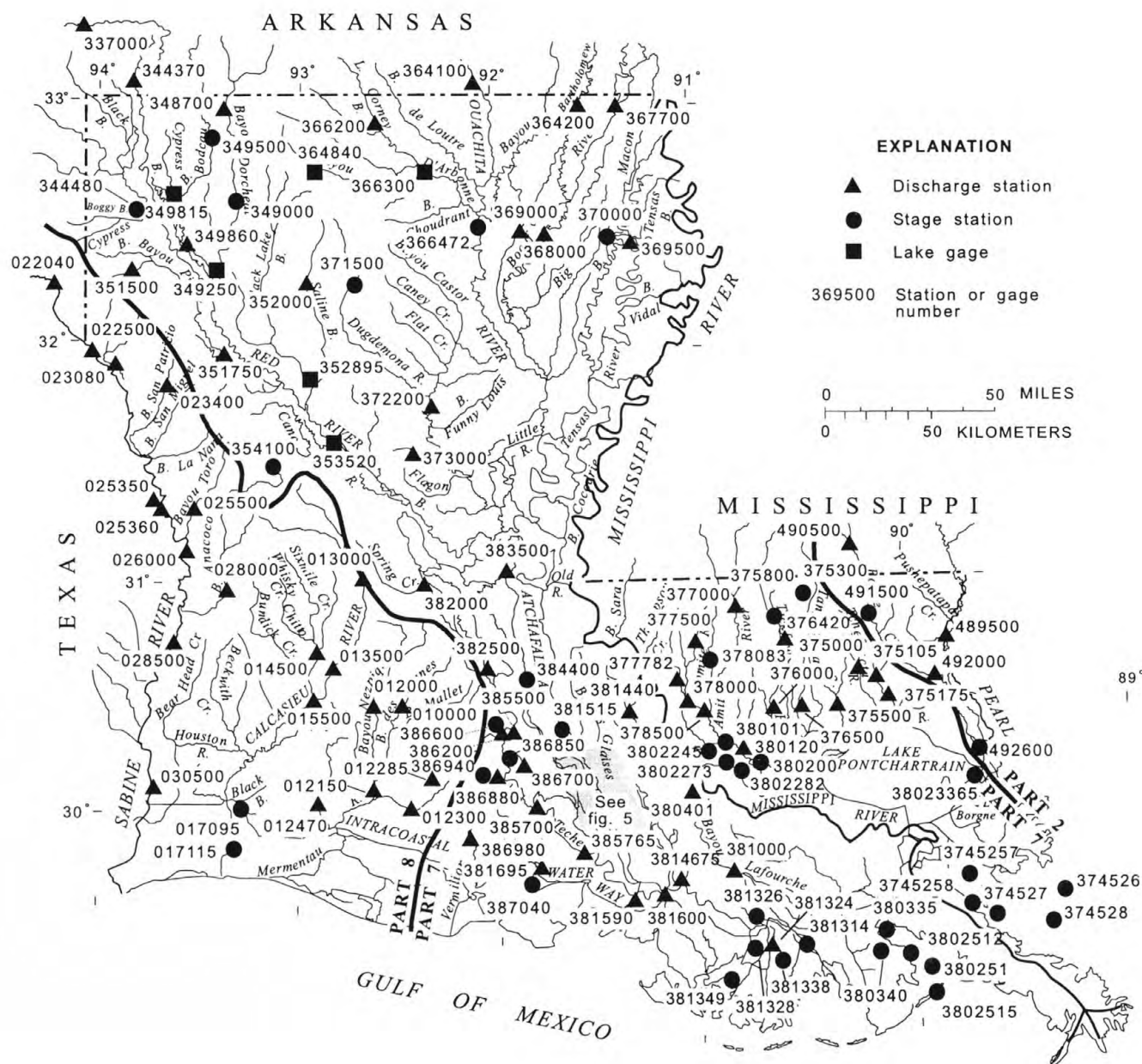
By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record and crest-stage partial-record stations for which data are given in this report are shown in figures 4-10.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with data recorders that store stage values at selected time intervals. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI's) Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.



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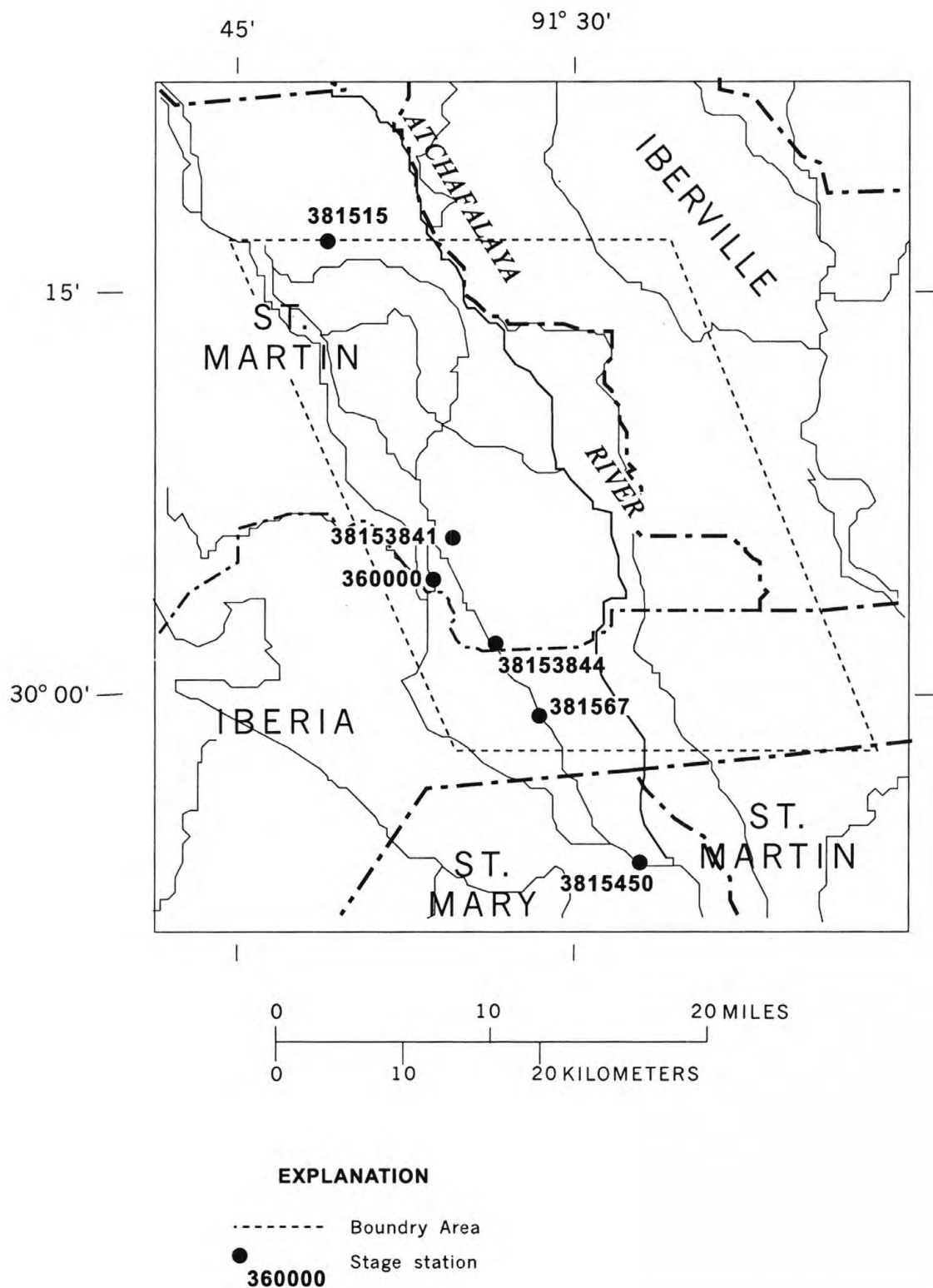
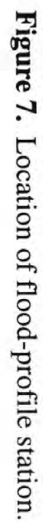


Figure 5. Location of stage stations in the Atchafalaya River Basin (shaded area of fig. 4).





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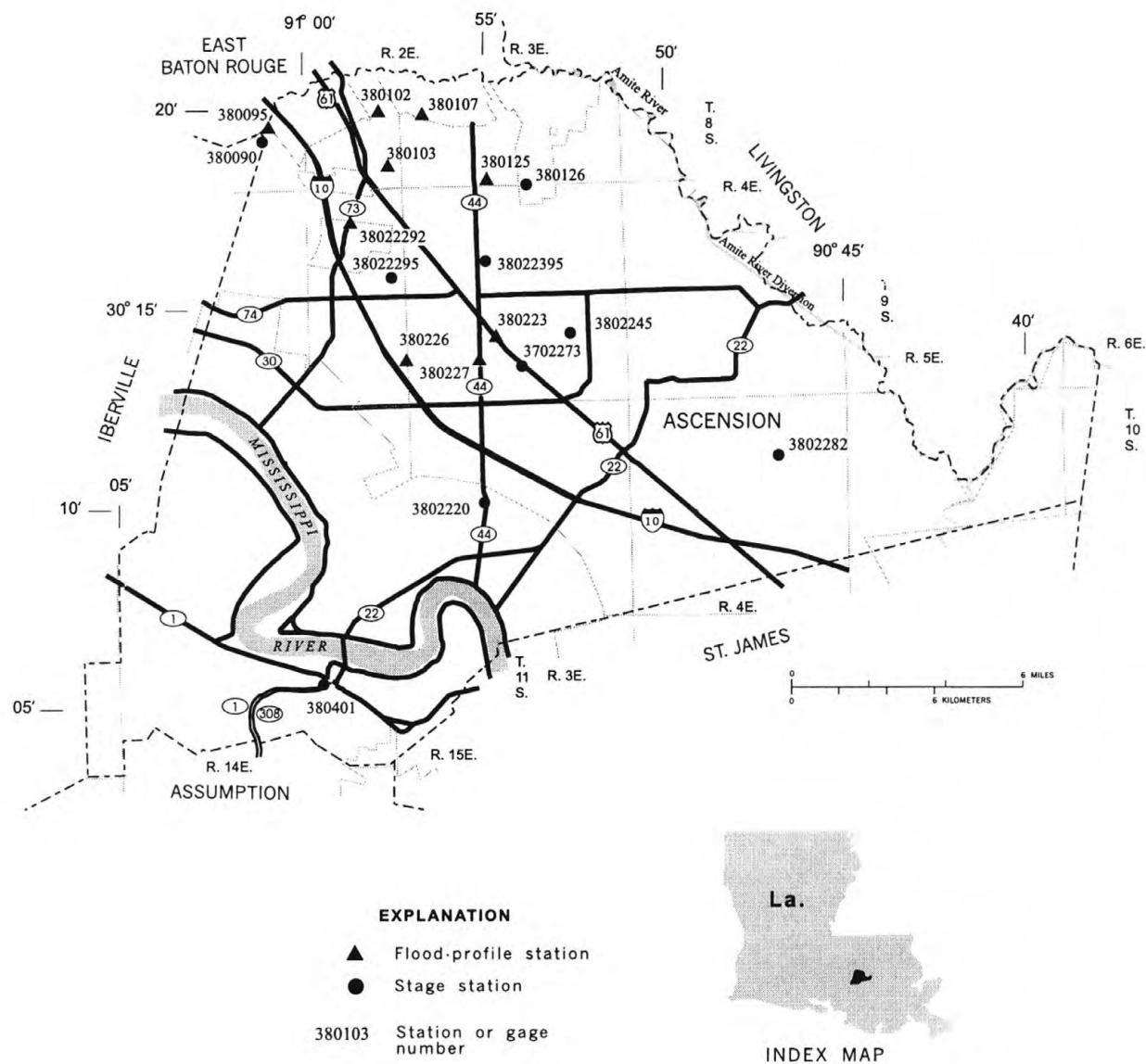


Figure 9. Location of continuous stage and flood-profile stations in Ascension Parish.

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Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

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

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a plot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

STATION MANUSCRIPT

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

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DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that flow at it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Because of new information, published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage, and a condensed history of the types, locations, and datums of previous gages are given under this heading. The datum of the current gage referred to in this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929. (See gage in section "Definition of Terms.")

REMARKS.--All periods of estimated daily-discharge will be flagged in the daily discharge table. (See next section, "Identifying Estimated Daily Discharge.") The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

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

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development. The median of yearly mean discharges also is given under this heading for stations having 10 or more water years of record, if the median differs from the average given by more than 10 percent.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

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REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

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

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

The daily table for stream-gaging stations gives mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS ____-____, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS ____-____," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below.), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The data or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in the footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

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ANNUAL TOTAL--The sum of the daily mean values of discharge for the year. At some stations, the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN--The maximum daily mean discharge for the year or the designated period.

LOWEST DAILY MEAN--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW--The minimum instantaneous discharge occurring for the water year or for the designated period.

INSTANTANEOUS LOW STAGE--The minimum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous low flow and low stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

ANNUAL RUNOFF--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

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.

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

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

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

10 PERCENT EXCEEDS--is the discharge that has been exceeded by 10 percent of the flow for the designated period.

50 PERCENT EXCEEDS--is the discharge that has been exceeded by 50 percent of the flow for the designated period.

90 PERCENT EXCEEDS--is the discharge that has been exceeded by 90 percent of the flow for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of annual maximum stages at flood-profile stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in time of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous site.

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Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated".

Accuracy of the Records

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

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

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

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

Other Records Available

Records of discharge, not published by the Geological Survey, are collected in Louisiana at several sites by the U.S. Army Corps of Engineers. The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, VA 22092, maintains an index of these sites as well as an index of records of discharge collected by other agencies but not published by the Geological Survey. Information on records at specific sites can be obtained from that office upon request.

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Louisiana District office. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the District office.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A *continuing-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A *partial-record station* is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A *miscellaneous* sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

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A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous record of stored values at selected time intervals. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figures 11-12.

Arrangement of Records

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

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District Office.

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

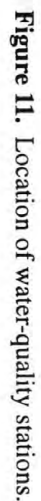
Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis.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

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

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. 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.



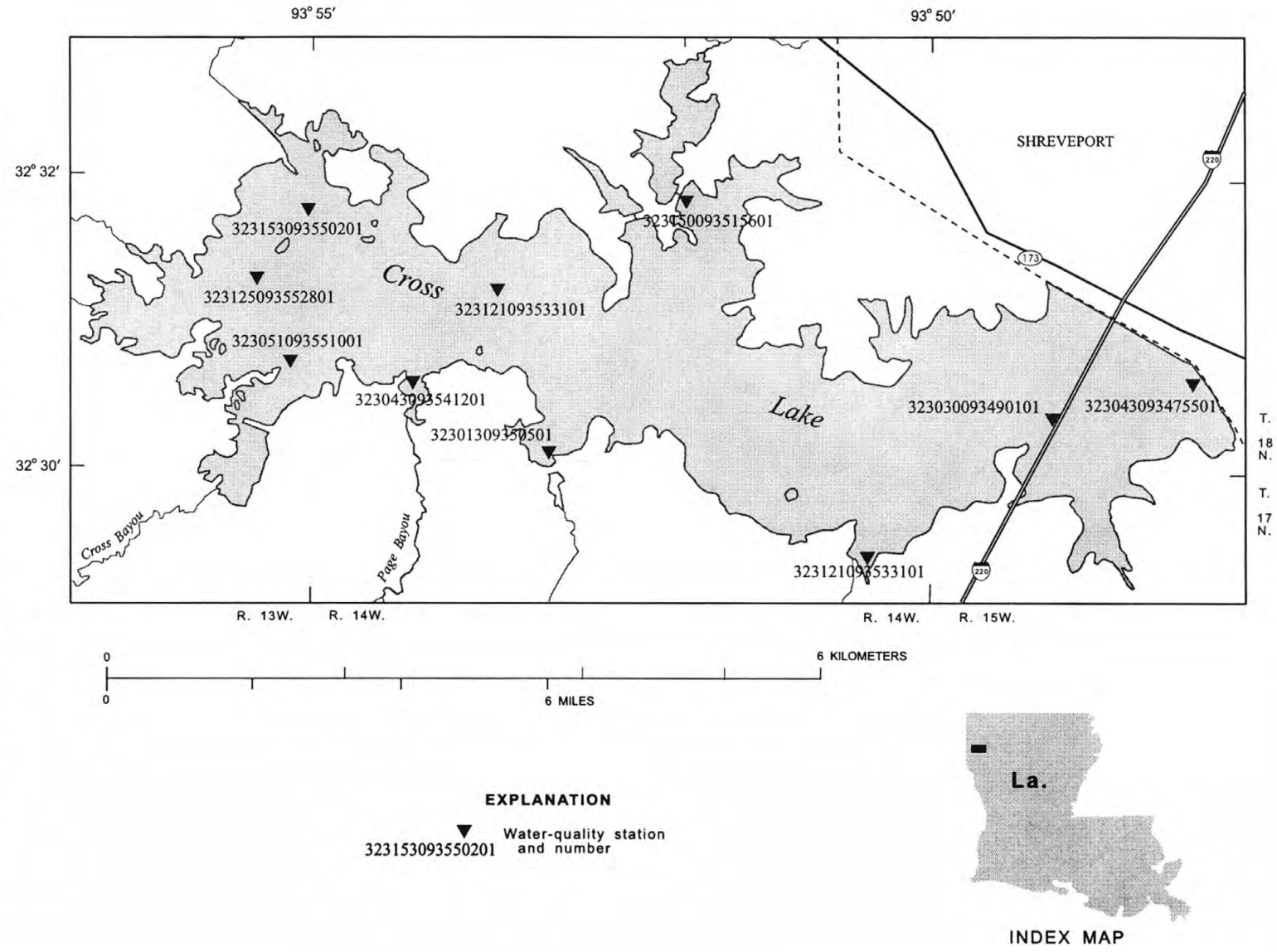


Figure 12. Location of water-quality stations at Cross Lake near Shreveport.

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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 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. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

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

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

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, CO or Ocala, FL. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

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

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

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

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

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

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

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

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

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

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

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

Remarks Codes

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

PRINTED OUTPUTREMARK

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

Dissolved Trace-Element Concentrations

NOTE.--"Traditionally, dissolved trace-element concentrations have been reported at the micrograms per liter ($\mu\text{g/L}$) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the $\mu\text{g/L}$ level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

Records of Ground-Water Levels

Data Collection and Computation

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

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

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

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

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented by the well description. Locations of stations for which records on ground water appear in this report are shown in figures 13-19.

A table of water levels follows the station description for each well. Water levels are reported in feet below land-surface datum and all taped measurements of water levels are listed. For wells equipped with recorders, only abbreviated tables are published; generally, only water-level lows are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels for the period of record and their dates of occurrence are shown on a line above the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Quality

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

Data Collection and Computation

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled "QUALITY OF GROUND WATER" which immediately follows the ground-water-level records. Data for quality of ground water are listed alphabetically by parish, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water.

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Figure 13. Location of observation wells.

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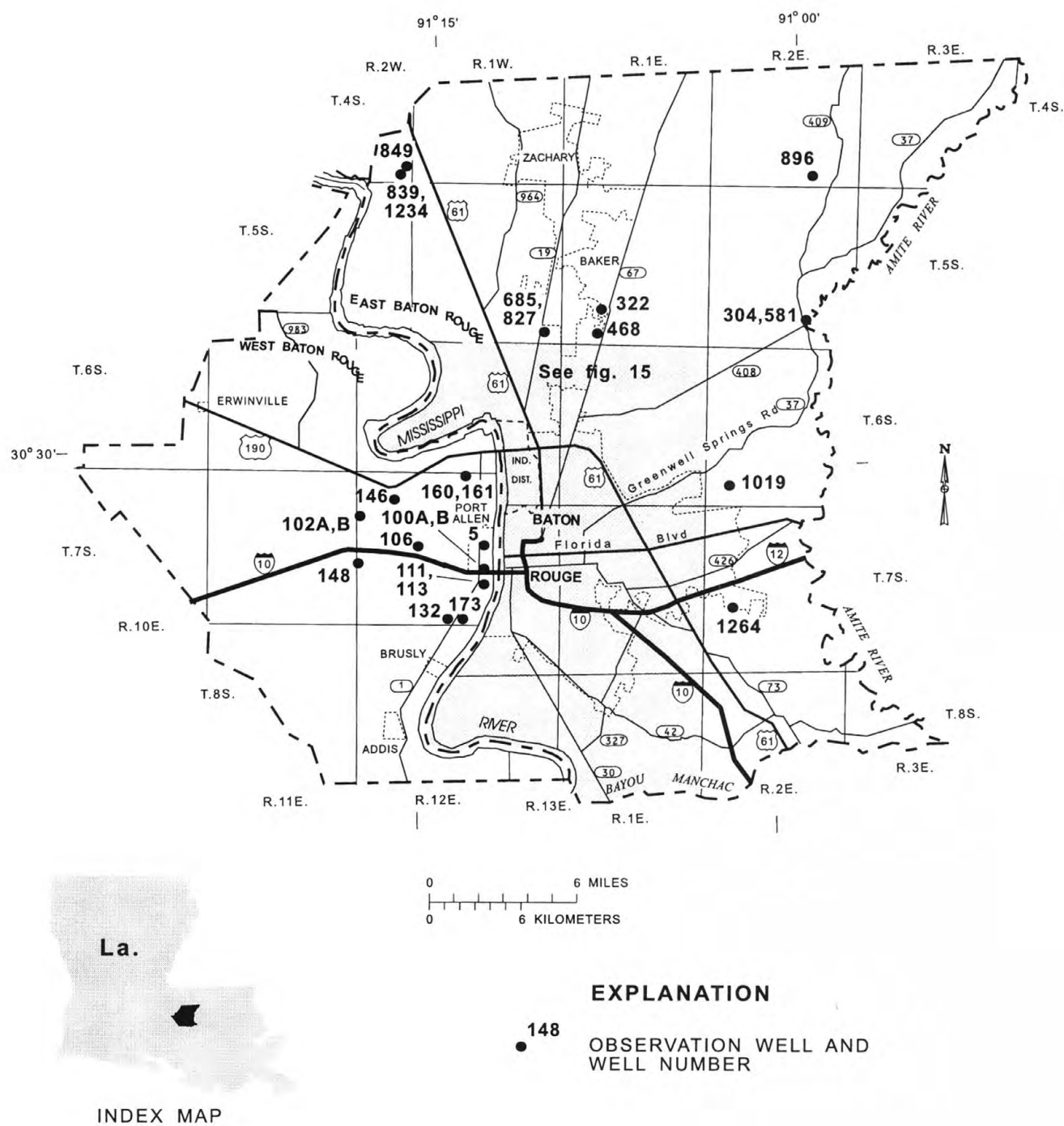


Figure 14. Location of observation wells in East and West Baton Rouge Parishes.

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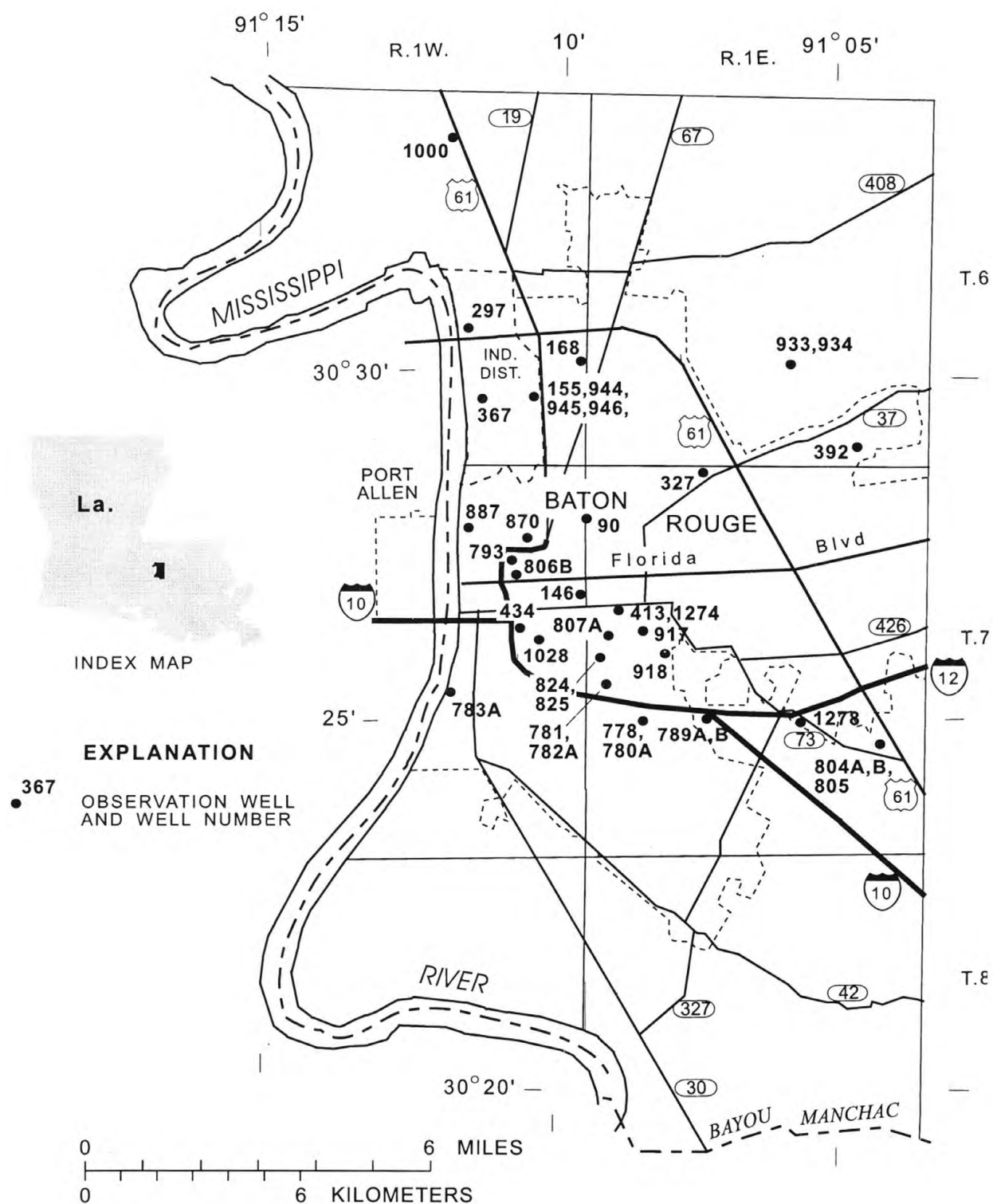


Figure 15. Location of observation wells in shaded area of figure 14.

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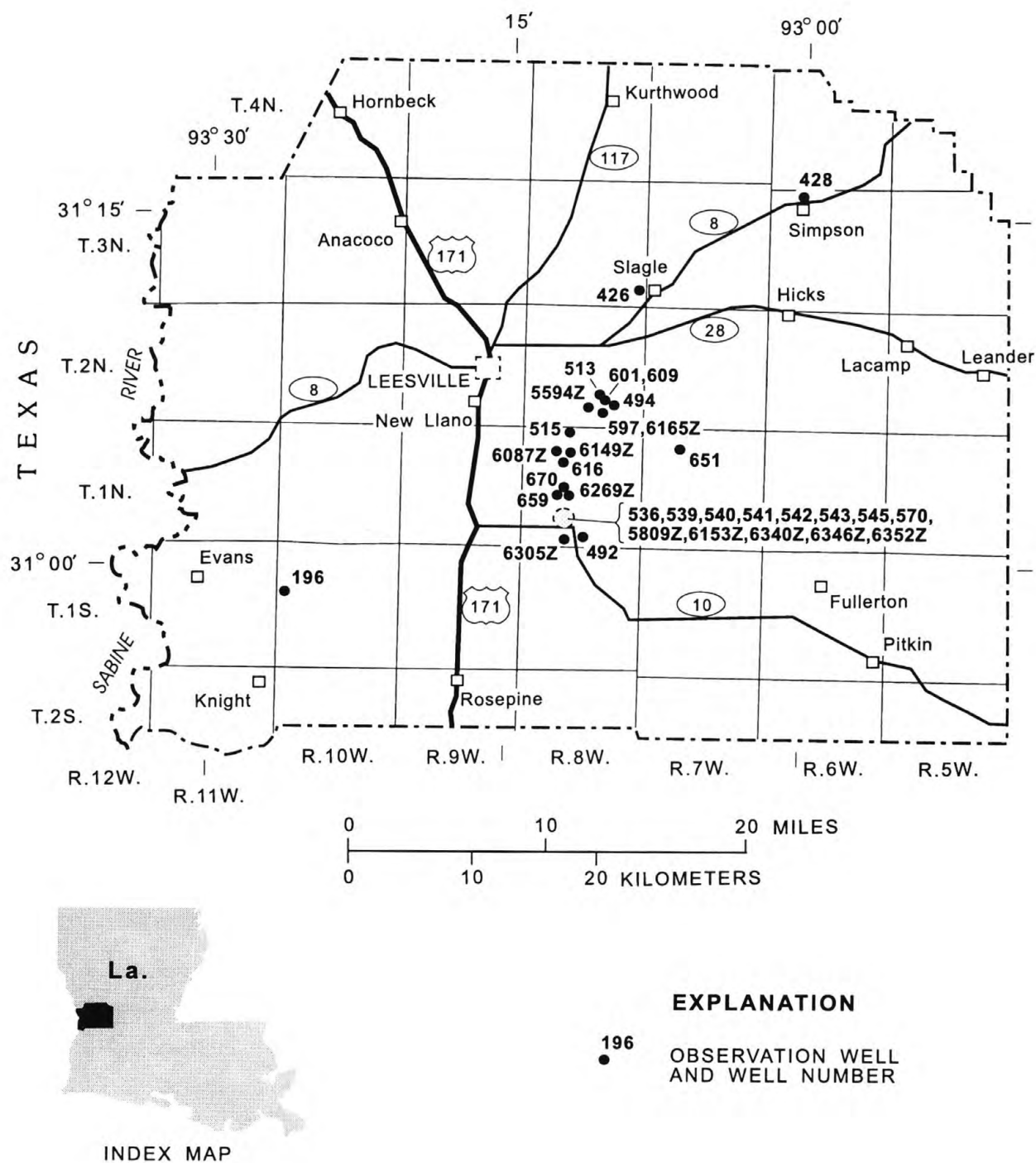


Figure 16. Location of observation wells in Vernon Parish (see fig. 13).

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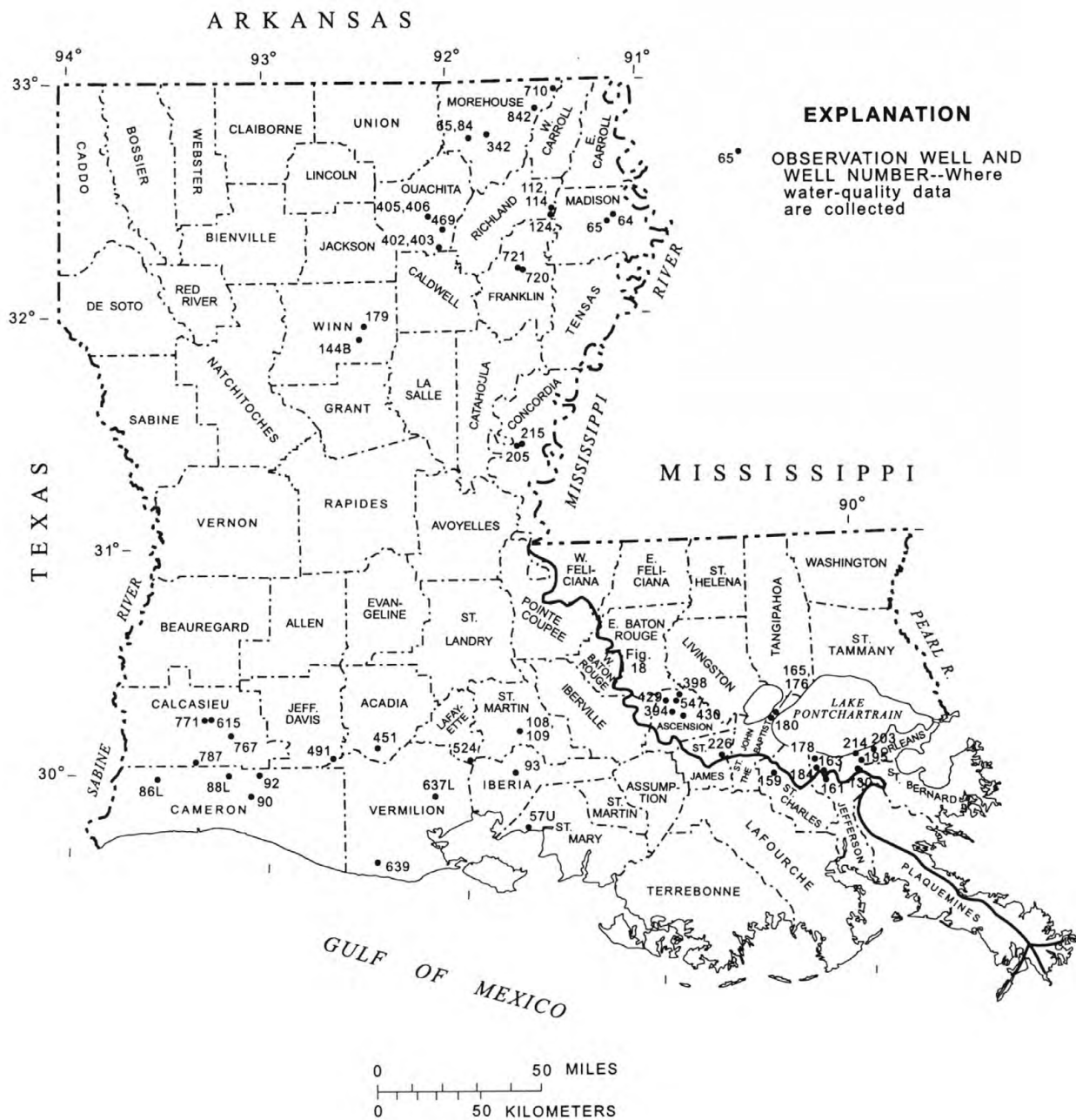


Figure 17. Location of wells for which water-quality data are included.

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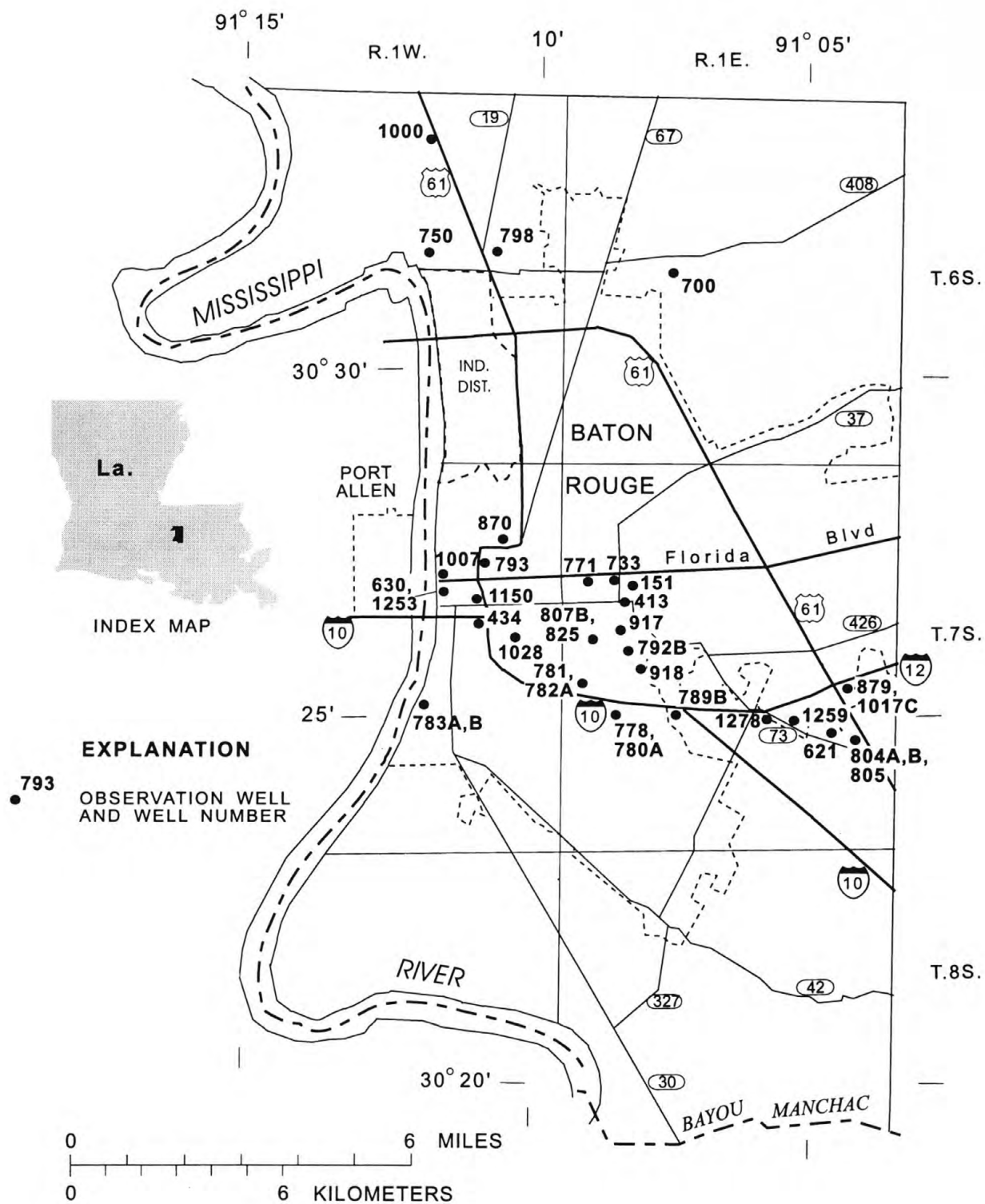


Figure 19. Location of wells for which water-quality data are included in shaded area of figure 18.

ACCESS TO WATSTORE DATA

The U.S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the U.S. Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National *WATER* Data *STORAGE* and *REtrieval* System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of handling water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

- * Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.
- * Daily Values Files - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- * Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- * Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- * Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to *WATSTORE*, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the introduction, on Compact Disc - Read Only Memory (CD-ROM) discs. Beginning with the 1990 water year, all water-data reports will also be available on CD-ROM discs. All data reports published for the current water-year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District offices. (See address on the back of the title page.) A limited number of CD-ROM discs will be available for sale by the U.S. Geological Survey, Earth Science Information Center, Box 25286, MS 517, Federal Center, Denver, Colorado 80225.

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DEFINITION OF TERMS

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

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

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

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

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

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

Fecal streptococcal bacteria are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at 35 °C ± 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.

Bottom material: see Bed Material.

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

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

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

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

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

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

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Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate. 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.

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.

Annual total is the sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

Annual mean is the arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

Highest annual mean is the maximum annual mean discharge occurring for the designated period.

Lowest annual mean is the minimum annual mean discharge occurring for the designated period.

Highest daily mean is the maximum daily mean discharge for the year or for the designated period.

Lowest daily mean is the minimum daily mean discharge for the year or for the designated period.

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

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1 - March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

Instantaneous peak flow is the maximum instantaneous discharge occurring for the water year or for the designated period.

Instantaneous peak stage is the maximum instantaneous stage occurring for the water year or for the designated period.

Instantaneous low flow is the minimum instantaneous discharge occurring for the water year or for the designated period.

Instantaneous low stage is the minimum instantaneous stage occurring for the water year or for the designated period.

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. The Louisiana District has been using 0.45-micrometer Gelman Capsule filters to filter surface water samples for "dissolved" inorganic constituents. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

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 non-contribution 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, the datum of the current gage referred to in this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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.

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

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

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

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

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

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

Micrograms per liter (UG/L, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

Microsiemens per centimeter (US/CM, $\mu\text{S/cm}$) is a unit expressing measurement of specific electrical conductance.

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

National Geodetic Vertical Datum of 1929 (NGVD) in this series of reports, "sea level" refers to the National Geodetic Vertical Datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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

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

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

The classification is as follows:

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

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

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

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

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

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

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

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

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

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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.

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

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

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

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

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

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

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

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

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

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

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

Surface area of a lake is that area outlined on the latest USGS 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 USGS Series Bed-Material Samplers.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

The reports listed below are for sale by the U.S. Geological Survey, Branch of Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficken, and G.F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

- 2-D1. *Application of surface geophysics to ground-water investigations*, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

Section E. Subsurface Geophysical Methods

- 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.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

Section F. Drilling and Sampling Methods

- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

- 3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Sommers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels of streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

Section B. Ground-Water Techniques

- 3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R.L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E.J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 pages.

Section C. Sedimentation and Erosion Techniques

- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H.P. Guy and V.W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

Section B. Surface Water

- 4-B1. *Low-flow investigations*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

Section D. Interrelated Phases of the Hydrologic Cycle

- 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.

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

Book 5. Laboratory Analysis

Section A. Water Analysis

- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

Section C. Sediment Analysis

- 5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

Book 6. Modeling Techniques

Section A. Ground Water

- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S.A. Leake and D.E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model description and User's Manual*, by L.J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R.L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L.J. Torak: USGS--TWRI Book 6, Chapter A5. 1993. 243 pages.
- 6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler. 1995. 125 pages.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

- 8-A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

Section B. Instruments for Measurement of Discharge

- 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.

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

- 9-A6. *National Field Manual for the Collection of Water-Quality Data: Field Measurements*, edited by F.D. Wilde and D.B. Radtke: USGS--TWRI Book 9, Chapter A6. 1998. Variously paginated.
- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, by D.N. Myers and F.D. Wilde: USGS--TWRI Book 9, Chapter A7. 1997. 49 pages.
- 9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom-material samples*, by D.B. Radtke: USGS--TWRI Book 9, Chapter A8. 1998. 48 pages.
- 9-A9. *National Field Manual for the Collection of Water-Quality Data: Safety in Field Activities*, by S.L. Lane and R.G. Fay: USGS--TWRI Book 9, Chapter A9. 1998. 60 pages.

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 left bank on downstream side of flow control structure upstream of bridge on State Highway 10, 2.0 mi east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi².

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

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

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

REMARKS.--Records fair. Mean values determined using observed daily readings. Several measurements of water temperature were made during the year.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2720	e4040	6200	35500	51700	36200	8180	15700	3090	2350	3380	2140
2	2590	e3600	7840	32600	50100	37300	8560	15900	3140	2330	3090	2230
3	2520	e3450	8510	28700	47000	37700	11600	12900	3330	2390	3000	2350
4	2410	e3350	8520	25400	42900	36100	13800	8710	3180	2550	2860	2650
5	2260	e3290	8710	24800	38200	33300	12800	7220	3000	2810	2680	2520
6	2210	e3320	8670	27700	36000	28400	11500	6350	3060	3360	2590	2320
7	2190	e3280	8310	35300	34300	26400	10200	6170	3250	3170	2590	2180
8	e2200	e3130	7780	44300	31500	32900	9430	5970	3390	2930	2550	2120
9	e2220	e2990	7360	45600	26300	40500	8810	5290	3920	2750	2450	2060
10	e2210	e2970	6880	50700	19600	42100	7910	4840	4870	2650	2550	2060
11	e2240	e3250	6210	53200	15600	42600	6900	4640	4170	2910	3050	2120
12	e2290	e3780	4860	56200	18100	43500	6170	4550	3580	2970	3200	2240
13	e2430	e4490	4350	55600	21400	44900	5620	4530	3190	2950	2990	2560
14	2600	e4530	4710	53500	25700	45500	5130	4220	2920	3280	2980	2750
15	e2710	e4020	4730	52000	27900	43800	4840	3910	2880	4130	3470	2900
16	e2650	3970	4500	49400	29000	41800	4820	3750	2770	5030	3560	3210
17	e2510	4040	4350	46100	29600	42900	5040	3700	2690	4640	3330	3200
18	e2480	3880	4320	42600	29700	44000	5780	3510	2670	4240	3040	2880
19	e2510	3650	4330	40500	30700	45200	6940	3440	2660	4720	3090	2680
20	e2510	3490	4360	38700	32400	45500	9900	3370	2670	4990	3320	2930
21	e2460	3450	4420	37900	33700	44600	17300	3320	2670	5150	3040	3740
22	e2430	3850	4800	37300	34000	44000	23600	3250	2640	4980	2770	3790
23	e2530	4940	6580	36600	33300	42900	26400	3210	2630	4700	2570	3220
24	e2550	4930	10000	36700	31600	40700	24700	3150	2570	4480	2440	2720
25	e2670	4280	17100	37300	30800	36200	19000	3110	2480	4290	2360	2440
26	e2690	4420	25000	41500	31200	31600	14600	3070	2370	4580	2300	2390
27	e3120	4690	31400	50100	32700	26300	12600	3050	2480	4750	2250	2300
28	e4200	4690	35300	54400	34500	19000	12500	3020	2460	5090	2210	2550
29	e4510	4750	39900	55900	---	13900	14100	3020	2430	4930	2160	3340
30	e4600	5140	45500	55000	---	10500	15000	3150	2390	4650	2150	3900
31	e4440	---	37400	54400	---	8770	---	3160	---	3910	2120	---
TOTAL	84660	117660	382900	1335500	899500	1109070	343730	163180	89550	118660	86140	80490
MEAN	2731	3922	12350	43080	32130	35780	11460	5264	2985	3828	2779	2683
MAX	4600	5140	45500	56200	51700	45500	26400	15900	4870	5150	3560	3900
MIN	2190	2970	4320	24800	15600	8770	4820	3020	2370	2330	2120	2060
CFSM	.42	.60	1.88	6.55	4.89	5.44	1.74	.80	.45	.58	.42	.41
IN.	.48	.67	2.17	7.56	5.09	6.28	1.95	.92	.51	.67	.49	.46

e Estimated

PEARL RIVER BASIN
02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

MEAN	2935	4285	10010	15770	19860	20760	19480	12490	5695	4622	3785	2906	
MAX	10390	16150	40080	48900	56830	46670	67290	56770	22540	26570	16710	9543	
(WY)	1976	1958	1983	1974	1990	1987	1980	1991	1983	1940	1975	1979	
MIN	1110	1233	1713	2174	4346	4764	3214	1926	1651	1564	1514	1246	
(WY)	1964	1964	1955	1956	1970	1967	1963	1963	1963	1969	1954	1954	
SUMMARY STATISTICS			FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1939 - 1998				
ANNUAL TOTAL			4770460			4811040							
ANNUAL MEAN			13070			13180			10130				
HIGHEST ANNUAL MEAN									22560				
LOWEST ANNUAL MEAN									3412				
HIGHEST DAILY MEAN			55900			May 2			56200			Jan 12	
LOWEST DAILY MEAN			2080			Sep 23			2060			Sep 9	
ANNUAL SEVEN-DAY MINIMUM			2110			Sep 19			2160			Sep 6	
INSTANTANEOUS PEAK FLOW						unknown			unknown			129000	
INSTANTANEOUS PEAK STAGE						unknown			unknown			23.23	
INSTANTANEOUS PEAK FLOW						unknown			unknown			1020	
INSTANTANEOUS PEAK STAGE						unknown			unknown			4.84	
ANNUAL RUNOFF (CFSM)			1.99			2.01						1.54	
ANNUAL RUNOFF (INCHES)			27.00			27.23						20.94	
10 PERCENT EXCEEDS			32500			41000			28400				
50 PERCENT EXCEEDS			7250			4440			4660				
90 PERCENT EXCEEDS			2470			2440			1860				
*Oct 30, 31													

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SE80
1	8.61	---	12.43	19.84	20.50	19.90	14.30	17.27	9.35	8.24	9.76	7.92
2	8.41	---	13.61	19.58	20.45	19.99	14.53	17.25	9.42	8.21	9.36	8.06
3	8.30	---	14.11	19.20	20.35	20.01	16.02	16.49	9.69	8.30	9.22	8.24
4	8.12	---	14.12	18.84	20.21	19.89	16.77	14.62	9.48	8.55	9.01	8.69
5	7.89	---	14.25	18.76	20.03	19.64	16.46	13.69	9.22	8.94	8.74	8.50
6	7.82	---	14.23	19.10	19.88	19.17	15.99	13.03	9.32	9.73	8.61	8.20
7	7.78	---	13.96	19.82	19.73	18.96	15.41	12.88	9.58	9.47	8.61	7.99
8	---	---	13.57	20.26	19.48	19.61	15.02	12.70	9.77	9.12	8.54	7.89
9	---	---	13.30	20.37	18.94	20.12	14.68	12.09	10.46	8.85	8.40	7.80
10	---	---	12.99	20.47	18.08	20.18	14.13	11.56	11.60	8.70	8.55	7.80
11	---	---	12.43	20.55	17.23	20.20	13.48	11.32	10.76	9.09	9.30	7.90
12	---	---	11.10	20.65	17.79	20.23	12.88	11.22	10.03	9.18	9.51	8.07
13	---	---	10.50	20.63	18.33	20.28	12.39	11.19	9.49	9.14	9.21	8.56
14	8.37	---	10.93	20.56	18.87	20.30	11.90	10.82	9.10	9.61	9.20	8.84
15	---	---	10.95	20.51	19.12	20.24	11.56	10.44	9.04	10.71	9.88	9.07
16	---	10.12	10.68	20.43	19.23	20.17	11.54	10.25	8.87	11.78	10.00	9.52
17	---	10.20	10.50	20.32	19.29	20.21	11.80	10.18	8.75	11.33	9.68	9.50
18	---	10.00	10.46	20.20	19.30	20.25	12.53	9.94	8.72	10.85	9.28	9.04
19	---	9.71	10.47	20.12	19.40	20.29	13.51	9.84	8.71	11.42	9.35	8.74
20	---	9.48	10.51	20.05	19.56	20.30	15.26	9.74	8.73	11.74	9.68	9.11
21	---	9.42	10.58	20.02	19.68	20.27	17.63	9.67	8.73	11.92	9.28	10.24
22	---	9.94	11.03	19.99	19.71	20.25	18.62	9.58	8.68	11.73	8.87	10.30
23	---	11.25	12.75	19.93	19.64	20.21	18.95	9.52	8.66	11.39	8.57	9.54
24	---	11.23	15.08	19.94	19.49	20.13	18.75	9.44	8.58	11.13	8.38	8.80
25	---	10.45	17.59	19.99	19.41	19.90	17.97	9.38	8.44	10.91	8.26	8.38
26	---	10.61	18.79	20.16	19.45	19.49	16.99	9.33	8.28	11.26	8.17	8.30
27	---	10.93	19.47	20.45	19.59	18.94	16.40	9.30	8.44	11.46	8.09	8.17
28	---	10.92	19.82	20.59	19.75	17.98	16.35	9.26	8.41	11.86	8.03	8.54
29	---	11.00	20.10	20.64	---	16.80	16.85	9.25	8.37	11.67	7.96	9.70
30	---	11.44	20.30	20.61	---	15.55	17.09	9.44	8.30	11.34	7.94	10.43
31	---	---	20.00	20.59	---	14.66	---	9.45	---	10.44	7.90	---
MAX	---	---	20.30	20.65	20.50	20.30	18.95	17.27	11.60	11.92	10.00	10.43
MIN	---	---	10.46	18.76	17.23	14.66	11.54	9.25	8.28	8.21	7.90	7.80

PEARL RIVER BASIN
02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE1/4 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 upstream from Bars Branch, 2.2 mi downstream from Topisaw Creek, and 9.2 mi northwest of Tylertown.

DRAINAGE AREA.--492 mi².

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

REVISED RECORDS.--WSP 1504:1945(P), 1946(M), 1947-51, 1953.WDR MS-80-1:Drainage area.

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

REMARKS.--Records good except for periods of estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage about 0.1 ft higher than the flood of Apr. 7, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 24	1930	7,060	15.25	Feb. 27	1230	8,400	16.32
Jan. 7	2300	*22,600	*24.89	Mar. 8	1500	8,430	16.42
Jan. 24	1030	6,930	15.12				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	315	e640	612	779	2790	776	782	342	305	326	422
2	253	309	e560	548	765	1330	1470	669	336	298	331	423
3	255	305	e500	508	867	987	1610	638	330	296	320	373
4	255	297	461	482	874	844	1010	560	327	337	314	330
5	255	293	436	724	738	766	832	512	327	328	311	308
6	255	292	418	1830	657	786	669	495	393	314	310	305
7	256	290	394	16800	609	1630	593	480	389	302	312	303
8	255	291	e380	16100	581	7460	555	454	383	298	310	300
9	256	291	e700	9220	557	5550	529	438	352	340	306	297
10	256	293	e1500	3550	557	4410	502	422	336	348	305	295
11	254	294	e1100	1540	1740	2140	478	407	329	448	330	316
12	254	342	e700	2590	2210	1120	463	399	325	744	325	445
13	287	370	e540	3770	2110	917	456	391	328	783	333	723
14	385	354	e400	2660	1310	818	455	386	325	608	353	831
15	294	338	e350	1860	841	751	455	383	315	1550	365	531
16	290	320	379	1340	1540	720	447	379	311	1530	358	409
17	270	310	372	1290	3830	3310	459	375	309	629	331	363
18	266	307	e365	973	3320	3570	527	368	307	457	320	341
19	265	317	e430	793	2860	3360	1010	363	305	395	314	350
20	265	317	338	712	1540	2250	1760	361	303	362	313	364
21	266	639	707	669	957	1170	2410	358	300	344	316	364
22	271	e1300	2000	3340	1500	925	1260	355	297	340	310	360
23	271	e900	2690	6130	2780	786	657	354	296	396	307	352
24	304	570	6380	6320	2270	707	554	350	302	358	305	339
25	327	443	5550	3410	1740	656	502	346	295	346	303	326
26	e1300	394	4330	1500	2110	618	470	343	295	379	303	320
27	e800	368	3480	2240	7370	594	452	340	297	444	298	379
28	534	e330	2090	2450	4120	575	1430	341	298	417	294	331
29	386	e340	1410	1930	---	556	1360	425	292	365	291	324
30	339	e740	928	1140	---	540	1000	370	291	340	291	316
31	321	---	725	897	---	542	---	350	---	330	314	---
TOTAL	10499	12269	41253	97928	51132	53178	25151	13194	9635	14731	9819	11440
MEAN	339	409	1331	3159	1826	1715	838	426	321	475	317	381
MAX	1300	1300	6380	16800	7370	7460	2410	782	393	1550	365	831
MIN	253	290	338	482	557	540	447	340	291	296	291	295
CFM	.69	.83	2.70	6.42	3.71	3.49	1.70	.87	.65	.97	.64	.78
IN.	.79	.93	3.12	7.40	3.87	4.02	1.90	1.00	.73	1.11	.74	.86

e Estimated

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

MEAN	387	507	886	1300	1441	1373	1332	872	536	466	411	377
MAX	1894	2118	2976	4728	3994	3625	4718	4317	1744	1503	1402	1131
(WY)	1965	1958	1972	1990	1966	1973	1983	1953	1975	1946	1953	1971
MIN	184	212	309	279	317	408	303	249	244	233	220	204
(WY)	1964	1957	1967	1956	1968	1955	1963	1956	1963	1969	1954	1952

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1944 - 1998		
ANNUAL TOTAL	395279			350229					
ANNUAL MEAN	1083			960			821		
HIGHEST ANNUAL MEAN							1301		
LOWEST ANNUAL MEAN							394		
HIGHEST DAILY MEAN	24100	Apr	28	16800	Jan	7	56900	Apr	7 1983
LOWEST DAILY MEAN	237	May	20	253	Oct	2	177	Oct	31 1963
ANNUAL SEVEN-DAY MINIMUM	255	Oct	1	255	Oct	1	179	Oct	25 1963
INSTANTANEOUS PEAK FLOW				22600	Jan	7	64200	Apr	7 1983
INSTANTANEOUS PEAK STAGE				24.89	Jan	7	34.62	Apr	7 1983
ANNUAL RUNOFF (CFSM)	2.20			1.95			1.67		
ANNUAL RUNOFF (INCHES)	29.89			26.48			22.67		
10 PERCENT EXCEEDS	2570			2120			1610		
50 PERCENT EXCEEDS	470			399			403		
90 PERCENT EXCEEDS	266			295			250		

PEARL RIVER BASIN

02491500 BOGUE CHITTO AT FRANKLINTON, LA

LOCATION.--Lat 30°50'34", long 90°09'43", in SE 1/4 SE 1/4 sec. 26, T. 2 S., R. 10 E., Washington Parish, Hydrologic Unit 03180005, at bridge on State Highway 10, 0.8 mi west of Franklinton, and 3.5 mi upstream from Lawrence Creek.

DRAINAGE AREA.--990 mi².

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 25,700 ft³/s, Jan. 8, gage height, 16.16 ft; minimum gage height, 0.44 ft, Oct. 11, 12.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.53	.90	2.64	1.79	2.08	5.02	.62	1.30	.90	.60	.70	.71
2	.47	.89	1.82	1.60	1.93	2.80	1.21	.86	.87	.70	.68	.80
3	.46	.82	1.32	1.47	2.05	1.87	2.06	.67	.86	.70	.70	.77
4	.46	.79	1.15	1.38	---	1.43	1.42	.54	.84	.80	.66	.67
5	.47	.79	1.07	2.51	---	1.12	.94	.39	.83	.79	.63	.59
6	.47	.80	1.01	3.02	---	.95	.76	.30	1.05	.77	.62	.54
7	.47	.78	.96	10.39	---	1.55	.52	.33	1.08	.79	.67	.55
8	.46	.78	1.16	15.50	---	7.73	.37	.22	.99	.72	.65	.54
9	.46	.78	1.54	14.87	---	9.60	.31	.18	.94	.69	.63	.52
10	.45	.79	1.58	9.54	---	6.97	.29	.17	.88	.75	.59	.52
11	.45	.79	1.40	4.87	---	4.72	.22	.10	.85	.78	.59	.65
12	.44	1.49	1.24	5.93	3.22	2.60	.15	.07	.84	1.08	.89	1.04
13	.55	1.78	1.12	8.26	2.85	1.80	.08	---	.72	1.53	.73	1.52
14	1.01	1.23	1.05	6.15	2.34	1.43	.12	1.01	.71	1.65	.85	1.63
15	.85	1.07	1.02	5.20	1.42	6.24	.14	1.00	.69	1.35	.87	1.43
16	.64	.99	.98	3.97	2.40	2.90	.05	.99	.67	3.29	.84	.99
17	.59	.93	.95	3.26	5.51	6.39	.14	.97	.66	1.85	.77	.81
18	.55	.90	.92	2.80	5.39	7.69	1.09	.98	.64	1.18	.72	.74
19	.53	.94	.91	2.36	4.90	5.71	1.00	.99	.64	.91	.68	.73
20	.54	.96	.90	2.12	3.15	4.52	1.60	.96	.63	.81	.66	1.94
21	.54	.98	1.09	1.88	1.89	2.60	2.32	.95	.63	.82	.66	3.71
22	.57	2.42	2.59	4.42	2.21	1.79	2.33	.93	.62	.89	.63	1.91
23	.57	2.89	3.55	8.41	3.87	1.41	1.69	.92	.60	.79	.60	1.18
24	.64	1.98	6.08	7.87	3.51	1.09	.53	.92	.57	1.09	.63	.90
25	.72	1.45	7.66	6.90	2.91	.93	.20	.90	.59	.98	.62	.85
26	.87	1.19	6.62	4.49	1.73	.86	.12	.91	.68	1.74	.60	.81
27	2.23	1.08	6.22	4.91	5.57	.78	.17	.90	.66	2.14	.60	.81
28	1.60	1.01	4.66	4.70	7.00	.67	1.64	.90	.64	1.20	.59	.96
29	1.13	1.28	3.54	4.06	---	.63	3.32	.96	.61	.95	.57	1.10
30	.91	2.67	2.64	3.10	---	.59	2.52	1.03	.59	.82	.57	.94
31	.89	---	2.10	2.40	---	.55	---	.94	---	.75	.58	---
MEAN	.69	1.21	2.31	5.17	---	3.06	.93	---	.75	1.09	.67	1.03
MAX	2.23	2.89	7.66	15.50	---	9.60	3.32	---	1.08	3.29	.89	3.71
MIN	.44	.78	.90	1.38	---	.55	.05	---	.57	.60	.57	.52

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA

LOCATION.--Lat 30°37'45", long 89°53'50", in SE 1/4 NE 1/4 sec. 42, T. 5 S., R. 13 E., St. Tammany Parish, Hydrologic Unit 03180005, near center of span on downstream side of bridge on State Highway 21, 0.2 mi downstream from Illinois Central Gulf Railroad bridge, and 1.4 mi north of Bush.

DRAINAGE AREA.--1,213 mi².

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

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

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

REMARKS.--Records fair. Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 9	----	*unknown	*unknown	Mar. 9	1800	20,100	12.57
Jan. 25	0130	12,900	11.40	Mar. 19	1000	14,800	11.73
Mar. 1	1330	11,600	11.15				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	783	924	2400	e2800	3230	11100	1630	3550	937	712	896	736
2	771	924	2300	e2540	2910	8760	1700	2540	896	732	870	809
3	760	910	e2800	e2300	2740	4810	2220	1990	874	767	851	837
4	754	862	e3210	e2120	2570	3090	2720	1730	858	787	834	817
5	752	836	e3660	e2060	2450	2510	2390	1550	850	817	811	765
6	751	835	e4150	e2860	2230	2260	1940	1420	913	801	796	729
7	747	827	e4250	e6320	2040	2950	1680	1360	1010	766	793	718
8	747	816	e3890	e23800	1890	9260	1520	1320	995	745	813	723
9	747	812	e3730	e46900	1780	18500	1440	1270	937	727	808	709
10	746	809	e3500	e35800	1700	18600	1380	1210	902	725	821	710
11	742	809	e3280	19600	2240	13900	1310	1170	865	787	791	789
12	739	981	e3140	12400	3770	8930	1270	1130	840	842	796	1080
13	769	1860	e2930	13500	4140	4430	1250	1100	826	1030	920	1580
14	985	1770	e2730	16300	3830	3170	1250	1080	811	1240	854	1700
15	1120	1240	e2600	13000	3380	2710	1260	1060	806	1320	945	1570
16	974	1060	e2480	9740	3200	2450	1260	1040	792	1290	982	1310
17	858	979	e2360	7150	3980	3130	1250	1030	781	2320	934	1050
18	821	932	e2180	4430	6740	7990	1380	1010	772	1650	880	928
19	795	936	e2060	3600	8320	14100	1980	972	766	1190	831	912
20	785	953	e2010	3050	6570	10600	1980	976	758	1020	804	1040
21	779	1000	e2020	2630	4490	7600	2380	962	750	940	789	2330
22	769	1980	e2360	2970	3330	4400	2870	953	766	958	782	3120
23	781	2640	e2730	5650	3640	3200	2810	943	748	964	771	2060
24	804	2490	e3660	11300	4670	2670	1970	935	743	962	777	1360
25	865	1780	e10900	12400	4610	2360	1600	928	743	1100	775	1100
26	924	1360	e8240	11200	3940	2140	1450	916	741	1190	759	993
27	1070	1190	e6320	8780	3850	1960	1380	905	741	1790	747	937
28	1750	1090	e4680	8340	7180	1820	1680	896	741	1810	739	1040
29	1390	1230	e3890	7430	---	1720	3060	918	734	1260	730	1450
30	1110	1670	e3500	5540	---	1650	3990	1010	723	1050	721	1600
31	970	---	e3140	3960	---	1580	---	1020	---	951	719	---
TOTAL	27358	36505	111100	310470	105420	184350	56000	38894	24619	33243	25339	35502
MEAN	883	1217	3584	10020	3765	5947	1867	1255	821	1072	817	1183
MAX	1750	2640	10900	46900	8320	18600	3990	3550	1010	2320	982	3120
MIN	739	809	2010	2060	1700	1580	1250	896	723	712	719	709
CFSM	.73	1.00	2.95	8.26	3.10	4.90	1.54	1.03	.68	.88	.67	.98
IN.	.84	1.12	3.41	9.52	3.23	5.65	1.72	1.19	.76	1.02	.78	1.09

e Estimated

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued--

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

MEAN	931	1240	2203	2995	3498	3331	3328	2168	1425	1257	1126	1020
MAX	2772	4298	7751	10020	10240	9284	14640	8770	5387	4020	3024	2597
(WY)	1985	1962	1962	1998	1966	1943	1983	1991	1975	1946	1953	1971
MIN	422	484	689	703	852	1026	722	592	565	556	565	503
(WY)	1969	1970	1940	1956	1968	1967	1963	1963	1963	1968	1963	1969

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1938 - 1998	
ANNUAL TOTAL	1060465		988800			
ANNUAL MEAN	2905		2709		2036	
HIGHEST ANNUAL MEAN					3697	
LOWEST ANNUAL MEAN					919	
HIGHEST DAILY MEAN	36200	Apr 30	46900	Jan 9	126000	Apr 8 1983
LOWEST DAILY MEAN	739	Oct 12	709	Sep 9	369	Oct 26 1968
ANNUAL SEVEN-DAY MINIMUM	746	Oct 6	732	Jun 26	382	Oct 25 1968
INSTANTANEOUS PEAK FLOW			unknown	Jan 9	132000	Apr 8 1983
INSTANTANEOUS PEAK STAGE			unknown	Jan 9	21.22	Apr 8 1983
INSTANTANEOUS LOW FLOW			700	Sep 10	*366	Oct 22 1968
INSTANTANEOUS LOW STAGE			3.19	Sep 10	**0.7	Oct 1 1937
ANNUAL RUNOFF (CFSM)	2.40		2.23		1.68	
ANNUAL RUNOFF (INCHES)	32.52		30.32		22.80	
10 PERCENT EXCEEDS	5850		5580		3900	
50 PERCENT EXCEEDS	1900		1260		1160	
90 PERCENT EXCEEDS	809		760		650	

*Occurred: Oct 23, 26, 29, 1968.

**Occurred: Oct 29-30, 1940; Oct 22-27, 1941.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.41	3.77	6.68	---	7.98	11.04	5.58	8.36	3.95	3.37	3.70	3.29
2	3.38	3.77	---	---	7.57	10.52	5.70	6.97	3.85	3.42	3.63	3.48
3	3.35	3.73	---	---	7.34	9.29	6.54	6.07	3.79	3.52	3.59	3.55
4	3.34	3.61	---	---	7.11	7.80	7.30	5.61	3.75	3.57	3.54	3.50
5	3.33	3.55	---	---	6.94	7.00	6.81	5.29	3.73	3.65	3.48	3.36
6	3.33	3.55	---	---	6.60	6.63	6.10	5.02	3.89	3.61	3.44	3.27
7	3.32	3.53	---	---	6.26	7.58	5.66	4.89	4.12	3.52	3.44	3.24
8	3.32	3.50	---	---	6.00	10.57	5.37	4.83	4.09	3.46	3.49	3.25
9	3.32	3.49	---	---	5.79	12.33	5.21	4.70	3.95	3.41	3.48	3.22
10	3.31	3.48	---	---	5.64	12.34	5.07	4.58	3.86	3.41	3.51	3.22
11	3.30	3.48	---	---	6.55	11.56	4.91	4.48	3.77	3.57	3.43	3.43
12	3.30	3.89	---	11.30	8.65	10.55	4.80	4.40	3.71	3.71	3.44	4.12
13	3.37	5.72	---	11.49	9.08	9.10	4.73	4.33	3.67	4.17	3.76	5.18
14	3.91	5.55	---	11.97	8.73	7.89	4.70	4.28	3.63	4.65	3.59	5.44
15	4.23	4.49	---	11.41	8.16	7.29	4.71	4.23	3.62	4.81	3.82	5.17
16	3.89	4.10	---	10.75	7.94	6.92	4.68	4.20	3.58	4.73	3.91	4.64
17	3.60	3.90	---	10.12	8.87	7.82	4.65	4.17	3.56	6.58	3.79	4.06
18	3.51	3.79	---	9.22	10.01	10.27	4.87	4.13	3.53	5.32	3.66	3.78
19	3.44	3.80	---	8.43	10.42	11.61	5.96	---	3.52	4.38	3.54	3.74
20	3.42	3.84	---	7.71	9.96	10.94	5.94	4.04	3.50	3.99	3.47	4.05
21	3.40	3.95	---	7.19	9.21	10.23	6.61	4.01	3.47	3.81	3.43	6.45
22	3.38	5.93	---	7.60	8.10	9.11	7.38	3.99	3.52	3.85	3.41	7.76
23	3.41	7.06	---	9.59	8.48	7.93	7.27	3.96	3.47	3.86	3.38	6.07
24	3.47	6.81	---	11.07	9.37	7.22	5.81	3.94	3.46	3.86	3.40	4.75
25	3.62	5.57	---	11.29	9.35	6.77	5.11	3.93	3.46	4.18	3.39	4.19
26	3.77	4.75	---	11.07	8.85	6.43	4.83	3.90	3.45	4.38	3.35	3.93
27	4.10	4.37	---	10.53	8.73	6.15	4.68	3.87	3.45	5.59	3.32	3.80
28	5.53	4.17	---	10.42	10.11	5.92	5.20	3.85	3.45	5.63	3.29	4.03
29	4.82	4.46	---	10.20	---	5.74	7.58	3.90	3.43	4.54	3.27	4.94
30	4.20	5.36	---	9.67	---	5.60	8.92	4.13	3.40	4.08	3.25	5.23
31	3.88	---	---	8.86	---	5.49	---	4.15	---	3.83	3.24	---
MEAN	3.64	4.37	---	---	8.14	8.57	5.76	---	3.65	4.14	3.50	4.27
MAX	5.53	7.06	---	---	10.42	12.34	8.92	---	4.12	6.58	3.91	7.76
MIN	3.30	3.48	---	---	5.64	5.49	4.65	---	3.40	3.37	3.24	3.22

PEARL RIVER BASIN

02492600 PEARL RIVER AT PEARL RIVER, LA

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

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

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

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

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

REMARKS.--Records of daily discharge are the combined flow of the entire flood plain of the West and East Pearl Rivers. Records since October 1975 represent stages for the West Pearl River only. Satellite telemetry at station.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 82,800 ft³/s, Jan. 11, 15, gage height 17.21 ft; minimum gage height, 4.41 ft, July 2.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.05	7.49	8.29	15.01	16.53	14.73	10.81	12.38	5.87	4.45	6.98	4.60
2	5.04	7.03	8.83	14.86	16.43	15.19	10.31	12.43	5.70	4.43	6.35	4.97
3	4.88	6.59	9.28	14.60	16.28	15.38	10.04	12.24	5.64	4.53	5.91	5.08
4	4.79	6.31	9.61	14.21	16.06	15.32	10.44	11.92	5.79	4.60	5.69	5.15
5	4.72	6.11	9.68	14.09	15.77	15.14	11.26	11.21	5.73	4.70	5.53	5.21
6	4.62	6.03	9.66	14.15	15.45	14.85	11.55	10.21	5.69	4.96	5.30	5.10
7	4.60	6.06	9.66	15.33	15.11	14.84	11.31	9.34	5.70	5.50	5.15	4.90
8	4.60	5.96	9.67	16.12	14.77	15.66	10.90	8.84	5.92	5.63	5.12	4.72
9	4.62	5.75	9.58	16.80	14.46	16.08	10.49	8.66	6.06	5.37	5.04	4.60
10	4.62	5.57	9.47	17.13	14.09	16.50	10.17	8.34	6.61	5.15	5.01	4.69
11	4.60	5.53	9.32	17.18	13.63	16.49	9.86	7.93	7.03	5.33	4.98	5.38
12	4.63	5.96	9.01	17.08	---	16.29	9.44	7.61	6.77	5.37	5.34	6.35
13	4.67	6.64	8.59	17.07	---	16.03	9.00	7.43	6.26	5.47	5.73	6.64
14	4.82	7.48	8.17	17.15	13.14	15.80	8.61	7.36	5.82	5.88	5.81	6.55
15	5.11	7.58	7.83	17.17	13.44	15.67	8.24	7.16	5.51	6.25	5.58	6.50
16	5.33	7.02	7.57	16.98	13.94	15.58	7.93	6.87	5.31	6.70	5.75	6.38
17	5.26	6.60	7.31	16.71	14.26	15.62	7.76	6.64	5.18	7.52	6.11	6.36
18	5.06	6.52	7.11	16.42	14.35	15.77	7.80	6.47	5.09	7.99	6.16	6.37
19	4.96	6.48	7.00	16.08	14.48	16.00	8.28	6.36	5.00	7.47	5.85	6.08
20	5.07	6.27	6.96	15.74	14.60	16.25	8.95	6.25	4.98	7.27	5.72	5.97
21	5.07	6.16	7.00	15.47	14.59	16.23	9.54	6.14	4.98	7.34	5.93	6.49
22	4.95	6.80	7.09	15.52	14.64	16.02	10.80	6.03	4.93	7.51	5.82	7.81
23	4.88	7.76	7.53	15.64	14.68	15.81	12.11	5.96	4.87	7.62	5.54	8.38
24	5.04	8.33	8.74	15.69	14.67	15.59	12.85	5.89	4.84	7.65	5.34	7.60
25	5.12	8.44	9.99	15.83	14.65	15.40	13.10	5.85	4.80	7.51	5.12	6.58
26	5.33	7.77	11.30	15.99	14.54	15.17	12.91	5.81	4.74	7.45	4.89	5.90
27	5.39	7.29	12.81	16.18	14.46	14.80	12.27	5.75	4.68	7.58	4.73	5.63
28	5.93	7.24	13.95	16.32	14.48	14.22	11.75	5.72	4.66	7.99	4.58	6.04
29	7.22	7.90	14.58	16.42	---	13.48	11.79	5.73	4.61	8.13	4.51	5.96
30	7.67	8.03	14.94	16.55	---	12.58	12.05	5.78	4.52	7.78	4.48	6.68
31	7.70	---	15.07	16.58	---	11.60	---	5.88	---	7.50	4.45	---
MEAN	5.20	6.82	9.54	16.00	---	15.29	10.41	7.75	5.44	6.41	5.44	5.96
MAX	7.70	8.44	15.07	17.18	---	16.50	13.10	12.43	7.03	8.13	6.98	8.38
MIN	4.60	5.53	6.96	14.09	---	11.60	7.76	5.72	4.52	4.43	4.45	4.60

RED RIVER BASIN

07337000 RED RIVER AT INDEX, ARKANSAS

LOCATION.--Lat 33°33'07", long 94°02'28", in NW 1/4 SW 1/4 sec. 7, T. 14 S., R. 28 W., Miller County, Hydrologic Unit 11140106, near right bank on downstream side of southbound bridge on U.S. Highway 71 at Index, 2.2 mi south of Ogden, 20.6 mi upstream from Little River, and at mile 485.3.

DRAINAGE AREA.--48,030 mi², of which 5,936 mi² is probably noncontributing.

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft above sea level. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 93,500 ft³/s Nov. 27, gage height, 18.11 ft..

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4000	4160	6340	29400	42300	40400	51000	11200	3960	3160	4620	4410
2	3400	4100	5990	31500	40000	34500	51800	10800	4760	3140	4510	4490
3	3270	4040	4760	34200	35300	28800	51200	10400	5030	2910	4520	4420
4	3380	3990	5650	32900	31300	25200	50800	10100	4420	2490	4640	3790
5	3750	4260	7900	33900	28600	22700	50100	9790	3540	2490	4610	2960
6	5050	4820	8970	60900	27400	20100	50300	9590	3450	2970	4440	2620
7	5600	4890	9860	84100	23000	17000	49300	9470	4510	3830	4010	2850
8	5730	4620	10400	86000	20400	14300	48400	9410	5010	4340	3750	2950
9	5400	5500	11400	79800	19600	11400	42500	9280	5190	4250	4210	2970
10	4880	5410	14400	79300	19600	12600	33600	9190	5170	3360	4480	2950
11	5430	4880	15200	77700	30000	22000	24900	9150	4490	2680	4570	2670
12	5240	4860	13200	82300	37800	23700	21200	9100	3410	3180	4660	2460
13	4860	4810	10900	82200	30100	21300	19900	9030	2950	4100	4450	2540
14	5310	4340	8910	77500	23700	24500	17700	8950	3200	4380	3480	3210
15	5640	4490	7400	74500	19500	25700	16400	8910	3850	4470	2790	4110
16	4960	5370	6370	71300	16600	24100	16000	8870	4380	4300	3510	6170
17	3720	5980	4900	68100	15800	33300	15100	8850	4570	3340	4380	6930
18	2990	6360	3560	66500	16700	54100	15500	8820	4400	2660	4640	6430
19	3560	6290	2910	64300	18800	55800	16700	7650	3580	3220	4670	4900
20	4360	5940	3080	61000	19700	56600	15400	5410	3010	4070	4430	5050
21	4390	5550	4780	59100	19500	61600	14300	4420	3070	4420	3380	6190
22	4360	5540	9250	58700	19000	64500	13800	3930	3340	4490	2660	5580
23	4360	5140	32500	57200	18600	66600	13100	4880	3400	4260	3310	5340
24	4140	4370	41000	56700	18200	70300	13300	6090	3340	3350	4190	5180
25	3570	4160	39900	54700	19800	70100	12800	6110	3230	2610	4440	4770
26	4070	4100	39000	52900	24100	65900	12800	5970	2850	3150	4500	3890
27	4590	3680	36100	52700	31100	62300	13600	5740	2480	4000	4330	3120
28	4650	3000	31800	52000	41000	57500	13000	5040	2570	4280	3340	3180
29	4620	3220	30000	51500	---	51100	11700	4240	3020	4340	2610	2820
30	4480	5260	28500	47800	---	49000	11400	4230	3180	4440	3220	2480
31	4320	---	29200	44400	---	49700	---	4320	---	4640	4130	---
TOTAL	138080	143130	484130	1865100	707500	1236700	787600	238940	113360	113320	125480	121430
MEAN	4454	4771	15620	60160	25270	39890	26250	7708	3779	3655	4048	4048
MAX	5730	6360	41000	86000	42300	70300	51800	11200	5190	4640	4670	6930
MIN	2990	3000	2910	29400	15800	11400	11400	3930	2480	2490	2610	2460
AC-FT	273900	283900	960300	3699000	1403000	2453000	1562000	473900	224800	224800	248900	240900

RED RIVER BASIN

07337000 RED RIVER AT INDEX, ARKANSAS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

MEAN	8315	10930	12040	11360	14140	17110	17410	24280	22480	9863	5853	6071
MAX	41690	47140	47910	60160	38960	67730	61460	121000	94400	33990	39230	30340
(WY)	1946	1975	1992	1998	1946	1945	1990	1990	1957	1989	1950	1950
MIN	716	642	1206	1360	2127	2233	2096	4199	3098	1162	1025	909
(WY)	1957	1957	1957	1964	1964	1967	1956	1972	1988	1944	1944	1944

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1944 - 1998	
ANNUAL TOTAL	5794970		6074770			
ANNUAL MEAN	15880		16640			
HIGHEST ANNUAL MEAN					13310	
LOWEST ANNUAL MEAN					30420	1990
HIGHEST DAILY MEAN	69700	Feb 23	86000	Jan 8	4383	1964
LOWEST DAILY MEAN	2230	Sep 27	2460	Sep 12	268000	May 10 1990
ANNUAL SEVEN-DAY MINIMUM	2600	Sep 23	2770	Sep 7	384	Nov 28 1956
INSTANTANEOUS PEAK FLOW			89100	Jan 8	397	Oct 19 1956
INSTANTANEOUS PEAK STAGE			16.39	Jan 8	270000	May 10 1990
INSTANTANEOUS LOW FLOW			2400	at times	32.30	May 10 1990
ANNUAL RUNOFF (AC-FT)	11490000		12050000		378	Nov 28 1956
10 PERCENT EXCEEDS	35400		51300		9639000	
50 PERCENT EXCEEDS	8560		5500		35800	
90 PERCENT EXCEEDS	4060		3170		5990	
					2310	

e Estimated

RED RIVER BASIN

07344370 RED RIVER AT SPRING BANK, AR

LOCATION.--Lat 33°04'50", long 93°51'42", in SW 1/4 NW 1/4 sec.24, T.19 S., R.27 W., Lafayette County, near right bank on downstream side of bridge on State highway 160, 0.1 mi downstream from Sulphur River, 4.5 mi upstream from Arkansas-Louisiana State line, and 2.5 mi east of intersection of U.S. Highway 71 and State Highway 160 at Doddridge, AR.

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--October 1, 1995 to July 10, 1996, observer record only. July 11, 1996 to present, continuous water-stage recorder record.

REMARKS.--Records fair. Observer record used many days. Datum of gage not determined. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 124,000 ft³/s, Jan. 12, 1998, gage height, 33.95 ft; minimum gage height, 12.73 ft, Sep. 25, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 124,000 ft³/s, gage height, 33.95, Jan. 12; minimum 2,450 ft³/s, gage height 12.99 ft, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2510	5300	4320	46100	68200	62200	73200	14000	16000	3780	5020	3410
2	2900	5050	6030	49200	64800	60600	74800	14100	13700	3950	4730	4020
3	3370	5000	9370	49300	58100	54600	73900	13900	11900	4480	4840	5760
4	3290	5020	10100	51100	51200	47500	68700	13500	10700	4070	5150	4350
5	3450	6380	9930	51800	45900	43700	64500	13200	9990	3880	5250	4390
6	3680	8140	11500	57600	41300	41700	63000	12400	9020	3250	5400	4940
7	3920	8160	14300	86600	35700	39000	59900	11400	8230	3460	5170	3450
8	4510	8000	15900	105000	31000	36300	55300	11000	8060	3950	5090	3750
9	4860	7880	17200	112000	30600	34600	51000	10300	8220	5030	4480	4340
10	4900	7100	19700	114000	31400	33300	43700	9820	7600	5220	4300	3740
11	4610	6980	24700	123000	38900	35200	35100	9620	7360	5220	4780	3110
12	4360	6760	26600	124000	53500	40600	27400	9440	7020	4410	5140	3820
13	4930	7040	23100	115000	65500	42100	23000	9300	6060	3850	5760	3340
14	4770	9890	19300	115000	62200	40300	21000	9290	4690	3940	5950	3380
15	4620	7490	17800	113000	55900	41300	19100	9450	4150	4780	5480	3810
16	6020	6970	15800	109000	50600	42900	17700	9820	4530	4650	4420	6560
17	6520	7160	12900	103000	48200	45900	16800	9810	5360	4930	3740	10200
18	5990	7550	10200	97200	46600	56600	16000	9680	6950	4560	4340	14000
19	5200	7940	8300	92900	45400	70200	15600	9480	6260	3510	4900	16500
20	4830	8140	6900	90100	45800	72200	15900	8690	5080	2920	5150	15600
21	5260	7900	6530	87400	46100	75300	15700	6940	4140	3150	4520	16000
22	5550	6900	7340	88000	45400	78800	15200	5530	3600	3940	3550	13800
23	5810	5680	12400	88800	44500	81300	15000	5000	3400	4230	4680	14200
24	6750	5330	35900	86700	41700	85600	14500	4870	3810	4530	3480	13700
25	6990	4780	49200	84000	40200	89900	14200	5530	4110	4340	3690	13400
26	5950	4300	50900	81000	42800	90400	13500	6070	4310	3660	4270	12700
27	5350	4150	51600	79700	49500	89300	13300	6180	4380	3460	4380	10700
28	5530	4200	48100	78800	56000	83600	13700	8010	4020	3970	4550	9360
29	5370	4250	45300	77600	---	75400	14100	15300	3510	4520	4280	8130
30	5170	4080	43800	76300	---	69800	14100	19300	3480	4840	3510	6080
31	5080	---	43000	72700	---	69600	---	18500	---	4990	3040	---
TOTAL	152050	193520	678020	2705900	1337000	1829800	978900	319430	199640	129470	143040	240540
MEAN	4905	6451	21870	87290	47750	59030	32630	10300	6655	4176	4614	8018
MAX	6990	9890	51600	124000	68200	90400	74800	19300	16000	5220	5950	16500
MIN	2510	4080	4320	46100	30600	33300	13300	4870	3400	2920	3040	3110
AC-FT	301600	383800	1345000	5367000	2652000	3629000	1942000	633600	396000	256800	283700	477100

RED RIVER BASIN

07344370 RED RIVER AT SPRING BANK, AR--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1998, BY WATER YEAR (WY)

MEAN	4905	6451	21870	87290	47750	59030	32630	10300	6655	4176	4614	8018
MAX	4905	6451	21870	87290	47750	59030	32630	10300	6655	4176	4614	8018
(WY)	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998
MIN	4905	6451	21870	87290	47750	59030	32630	10300	6655	4176	4614	8018
(WY)	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998

SUMMARY STATISTICS FOR 1998 WATER YEAR

ANNUAL TOTAL	8907310	
ANNUAL MEAN	24400	
HIGHEST DAILY MEAN	124000	Jan 12
HIGHEST DAILY GAGE HEIGHT	33.95	Jan 12
ANNUAL SEVEN-DAY MINIMUM	3300	Oct 1
INSTANTANEOUS LOW FLOW	2450	Oct 1
INSTANTANEOUS LOW STAGE	12.99	Oct 1
LOWEST DAILY MEAN	2510	Oct 1
ANNUAL RUNOFF (AC-FT)	17670000	
10 PERCENT EXCEEDS	72900	
50 PERCENT EXCEEDS	9360	
90 PERCENT EXCEEDS	3900	

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.06	15.29	14.62	25.93	28.80	28.08	29.35	19.16	19.79	13.77	14.67	13.47
2	13.44	15.13	15.73	26.37	28.40	27.89	29.53	19.18	19.05	13.91	14.48	13.96
3	13.88	15.10	17.41	26.37	27.57	27.11	29.43	19.13	18.32	14.30	14.55	14.14
4	13.81	15.11	17.70	26.66	26.65	26.13	28.85	19.00	17.79	14.00	14.76	14.21
5	13.94	15.94	17.65	26.71	25.89	25.56	28.36	18.89	17.44	13.85	14.82	14.25
6	14.13	16.85	18.25	27.57	25.18	25.25	28.18	18.61	16.95	13.33	14.92	14.62
7	14.32	16.86	19.25	30.73	24.22	24.81	27.80	18.24	16.53	13.51	14.77	13.50
8	14.76	16.78	19.74	32.39	23.34	24.35	27.20	18.07	16.43	13.91	14.72	13.75
9	15.01	16.71	20.15	33.00	23.30	24.04	26.63	17.80	16.52	14.68	14.30	13.20
10	15.03	16.36	20.82	33.12	23.46	23.81	25.55	17.60	16.17	14.80	14.17	13.74
11	14.83	16.27	22.05	33.88	24.78	24.15	24.12	17.52	16.02	14.80	14.51	13.20
12	14.66	16.17	22.47	33.95	26.98	25.07	22.64	17.44	15.85	14.25	14.75	13.81
13	15.05	16.29	21.68	33.25	28.48	25.32	21.65	17.38	15.31	13.83	15.14	13.41
14	14.94	17.56	20.73	33.24	28.08	25.02	21.17	17.38	14.45	13.90	15.25	13.44
15	14.84	16.53	20.32	33.05	27.29	25.19	20.68	17.44	14.06	14.51	14.97	13.80
16	15.73	16.26	19.73	32.74	26.57	25.44	20.29	17.60	14.35	14.42	14.26	15.60
17	16.02	16.36	18.77	32.21	26.23	25.90	20.02	17.60	14.89	14.61	13.74	17.50
18	15.71	16.56	17.75	31.72	26.00	27.36	19.79	17.54	15.81	14.36	14.20	19.26
19	15.23	16.75	16.92	31.33	25.83	29.02	19.66	17.46	15.43	13.55	14.59	19.93
20	14.99	16.85	16.22	31.07	25.88	29.24	19.77	17.10	14.71	13.03	14.76	19.65
21	15.27	16.73	16.02	30.81	25.92	29.58	19.68	16.24	14.05	13.25	14.33	19.79
22	15.45	16.22	16.45	30.87	25.82	29.94	19.54	15.44	13.63	13.90	13.59	19.09
23	15.61	15.53	18.39	30.94	25.69	30.21	19.47	15.10	13.46	14.12	14.45	19.23
24	16.14	15.31	24.27	30.74	25.25	30.63	19.31	15.02	13.80	14.34	13.53	19.06
25	16.27	14.95	26.38	30.47	25.00	31.05	19.22	15.44	14.03	14.20	13.70	18.95
26	15.69	14.61	26.62	30.18	25.42	31.10	18.97	15.76	14.18	13.68	14.15	18.71
27	15.33	14.50	26.71	30.04	26.41	30.99	18.93	15.83	14.23	13.51	14.23	17.94
28	15.44	14.52	26.22	29.94	27.29	30.44	19.07	16.74	13.96	13.92	14.35	17.40
29	15.34	14.58	25.80	29.82	---	29.58	19.18	19.54	13.55	14.33	14.16	16.84
30	15.21	14.45	25.57	29.68	---	28.98	19.18	20.72	13.53	14.55	13.55	15.76
31	15.15	---	25.45	29.29	---	28.96	---	20.51	---	14.65	13.16	---
MAX	16.27	17.56	26.71	33.95	28.80	31.10	29.53	20.72	19.79	14.80	15.25	19.93
MIN	13.06	14.45	14.62	25.93	23.30	23.81	18.93	15.02	13.46	13.03	13.16	13.20

RED RIVER BASIN

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

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

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

PERIOD OF RECORD.--Water years 1974-84, 1986 to current year.

REMARKS.--Water-quality samples are non-integrated. All dissolved constituents are results from water that has been filtered through 0.45 micron filters.

PERIOD OF DAILY RECORD.--

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
OCT 29...	0830	821	7.88	13.5	20	25	13.0	10	1.0	K110	100
NOV 17...	1000	687	7.51	7.7	10	28	12.4	20	2.4	570	180
DEC 30...	0910	274	7.58	--	50	240	10.2	10	--	K1300	K100
JAN 28...	0840	807	7.53	8.5	10	150	11.0	10	.6	560	560
FEB 26...	1000	576	7.38	15.1	20	62	10.8	20	1.7	1100	240
MAR 24...	1000	595	7.54	13.0	20	260	13.0	20	4.4	K600	92
APR 28...	0910	1110	8.11	19.0	5	63	8.9	10	2.0	K88	K80
JUN 02...	0930	335	7.58	26.5	30	85	6.4	20	--	--	150
JUN 30...	0835	749	8.13	29.0	10	7.7	6.8	10	--	<1	K13
JUL 22...	1105	1310	8.08	--	5	--	--	20	--	K20	K6
AUG 27...	1600	1175	8.29	31.0	20	--	6.5	10	3.9	--	K8
SEP 28...	0915	308	8.17	27.0	10	--	8.5	<10	--	K140	K14

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.

RED RIVER BASIN
07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT 29...	K12	220	57	18	81	3.7	99	130	120	.20
NOV 17...	130	170	46	14	67	3.6	76	120	89	.20
DEC 30...	730	80	24	4.8	18	2.6	60	33	22	.13
JAN 28...	<20	200	53	17	73	3.4	66	140	100	.14
FEB 26...	K80	150	42	12	51	2.8	73	96	73	.13
MAR 24...	K67	160	44	12	53	2.7	80	96	78	.14
APR 28...	K15	310	82	26	100	4.0	150	190	160	.23
JUN 02...	K29	88	24	6.9	27	2.7	58	42	38	.10
30...	K6	240	63	19	61	3.9	174	82	81	.20
JUL 22...	K5	340	84	32	150	4.7	182	220	190	.27
AUG 27...	K5	330	84	29	120	4.3	153	190	170	.24
SEP 28...	K8	77	21	6.0	25	2.3	48	39	35	.10
DATE	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG C, SUS- PENDED (MG/L) (00530)	NITRO- NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L ASC) (00680)
OCT 29...	502	469	30	<.010	<.02	.03	.73	.09	.02	6.3
NOV 17...	418	385	34	<.010	.21	.03	.53	.09	.03	7.0
DEC 30...	162	141	210	.019	.24	.11	1.0	.27	.08	7.1
JAN 28...	466	426	160	.010	.24	.05	.56	.16	.05	6.8
FEB 26...	344	321	71	<.010	.20	.05	.47	.09	.05	6.6
MAR 24...	384	334	310	<.010	.24	.06	.91	.20	.05	9.8
APR 28...	698	652	78	.013	.27	.02	.51	.09	.02	6.2
JUN 02...	196	175	80	.020	.11	.07	.75	.13	.06	7.4
30...	428	414	20	<.010	<.02	.07	.72	.04	.01	7.4
JUL 22...	828	790	7	<.010	.04	.10	1.1	.06	.01	7.9
AUG 27...	738	689	17	<.010	<.02	.02	.86	.06	.01	8.0
SEP 28...	186	157	23	.014	.09	.01	.79	.08	.03	--

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.

RED RIVER BASIN
07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
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OCT 29...	1.5	<.5	<1.0	<1.0	1.9	550	<1.0	110
JAN 28...	2.0	<.5	<1.0	3.3	4.3	3000	3.0	110
APR 28...	1.6	<.5	<1.0	1.5	3.2	1200	2.0	140
JUL 22...	3.2	<.5	<1.0	<1.0	1.8	226	<1.0	200

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (UG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)
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OCT 29...	<.1	<1.0	<1.0	4.1	<.01	<1	<1
JAN 28...	<.1	6.0	<1.0	11	<.01	<1	<1
APR 28...	<.1	2.8	<1.0	5.1	<.01	<1	<1
JUL 22...	<.1	11	1.5	3.1	<.01	<1	<1

DATE	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)
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OCT 29...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
DEC 30...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
FEB 26...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
JUN 30...	<.01	<.01	<.01	<.1	<.02	<.1	<.01	<.01	<.1	<.01	<.01
AUG 27...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01

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

RED RIVER BASIN
07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)
OCT 29...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	.02
DEC 30...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	<.03
FEB 26...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	<.01
JUN 30...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	<.03
AUG 27...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	<.01

DATE	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)
OCT 29...	<.01	<.01	<.01	.02	<.01	<.01	<.01	<.01	<.01	<.01
DEC 30...	<.01	<.01	<.01	.02	<.01	<.01	<.01	<.01	<.01	<.01
FEB 26...	<.01	<.01	<.01	.03	<.01	<.01	<.01	<.01	<.01	<.01
APR 28...	--	--	--	.08	<.01	--	<.01	--	<.01	--
JUN 30...	<.01	<.02	<.01	.01	<.01	<.01	<.01	<.01	<.01	<.01
AUG 27...	<.01	<.01	<.01	.02	<.01	<.01	<.01	<.01	<.01	<.01

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

RED RIVER BASIN

07344480 CROSS LAKE AT SHREVEPORT, LA

LOCATION.--Lat 32°30'47", long 93°47'48", in NE 1/4 SW 1/4 sec.34, T.18 N., R.14 W., Caddo Parish, Hydrologic Unit 11140304.
 Located on bottom floor of the pump intake building at southwest corner of Shreveport Water and Sewage Treatment Plant.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--August 1996 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Satellite telemetry with wind speed and direction, and raingage at site. Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 173.94 ft, Apr. 6, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 171.43 ft, March 18; minimum, undetermined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169.22	170.03	---	---	170.85	170.92	170.80	170.34	169.39	168.46	168.08	168.22
2	169.21	169.96	---	---	170.88	170.87	170.85	170.31	169.36	168.42	168.05	168.22
3	169.32	169.77	---	---	170.87	170.84	170.92	170.29	169.33	168.41	168.04	168.21
4	169.41	---	---	---	170.90	170.84	170.86	170.26	169.30	168.41	168.03	168.19
5	169.41	---	---	---	170.91	170.86	170.84	---	169.33	168.42	168.04	168.18
6	169.45	---	---	---	170.93	170.86	170.82	---	169.34	168.42	---	168.17
7	169.45	---	---	171.03	170.93	170.86	170.82	---	169.30	168.40	---	168.17
8	169.43	---	---	171.29	170.91	170.90	170.84	---	169.28	168.38	---	168.16
9	169.47	---	---	171.04	170.90	170.76	170.83	---	---	168.34	---	168.12
10	169.45	---	---	170.81	171.02	170.73	170.78	---	169.25	168.30	---	168.09
11	169.38	---	---	170.87	171.21	170.71	170.75	170.04	169.25	168.28	---	168.09
12	169.40	---	---	170.92	171.21	170.69	170.71	170.01	169.22	168.26	---	168.39
13	169.49	---	---	170.90	171.02	170.71	170.70	169.97	169.18	168.31	---	168.66
14	169.58	---	---	170.80	170.97	170.71	170.69	169.93	169.15	168.32	---	168.87
15	169.69	---	---	170.73	170.89	170.71	170.67	169.92	169.08	168.33	---	169.03
16	169.75	---	---	170.80	170.86	170.80	170.67	169.89	169.02	168.32	---	169.27
17	169.78	---	---	170.89	170.90	171.23	170.62	169.86	168.98	168.30	168.27	169.49
18	169.77	---	---	170.94	170.86	171.33	170.60	169.83	168.93	168.30	168.29	169.62
19	169.73	---	---	170.95	170.83	171.04	170.59	169.79	168.89	168.28	168.29	169.69
20	169.71	---	---	170.95	170.87	170.71	170.57	169.76	168.84	168.28	168.27	169.72
21	169.72	---	---	170.98	170.87	170.63	170.57	169.72	168.78	168.25	168.27	169.73
22	169.75	---	---	170.96	170.94	170.64	170.55	169.69	168.73	168.24	168.27	169.74
23	169.72	---	---	170.84	170.97	170.65	170.50	169.65	168.68	168.24	168.28	169.74
24	169.95	---	---	170.82	170.96	170.64	170.46	169.61	168.65	168.22	168.28	169.74
25	170.01	---	---	170.91	170.87	170.63	170.43	169.57	168.61	168.21	168.27	169.74
26	170.14	---	---	170.88	170.97	170.62	170.40	169.55	---	168.18	168.26	169.74
27	170.11	---	---	170.73	171.04	170.62	170.43	169.55	---	168.16	168.26	169.75
28	170.08	---	---	170.74	171.00	170.63	170.43	169.52	---	168.15	168.25	169.76
29	170.06	---	---	170.76	---	170.61	170.39	169.50	168.51	168.14	168.24	169.76
30	170.04	---	---	170.78	---	170.59	170.37	169.46	168.48	168.13	168.24	169.76
31	170.04	---	---	170.77	---	170.73	---	169.44	---	168.10	168.23	---
MAX	170.14	---	---	---	171.21	171.33	170.92	---	---	168.46	---	169.76
MIN	169.21	---	---	---	170.83	170.59	170.37	---	---	168.10	---	168.09

RED RIVER BASIN

323125093552801 CROSS LAKE AT GOAT ISLAND AT SHREVEPORT, LA

LOCATION.--Lat 32°31'25", long 93°55'28", in NE 1/4 SW 1/4 sec. 29, T. 18 N., R. 15 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 20...	1620	180	6.86	10.4	--	--	.80
FEB 04...	0930	245	6.40	10.6	50	8.9	.90
MAY 28...	1400	173	6.63	27.4	10	2.0	.85
JUN 29...	1545	208	6.96	26.0	--	--	.90
JUL 29...	0840	221	6.65	29.2	--	--	.42
SEP 10...	1030	268	7.17	23.0	5	2.5	.60

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
NOV 20...	11.5	--	.9	K4	K5	26
FEB 04...	5.5	22	.5	K10	K5	18
MAY 28...	7.2	27	2.8	<1	<1	26
JUN 29...	1.5	--	2.9	<1	K6	29
JUL 29...	.3	--	--	<1	100	45
SEP 10...	3.1	21	1.2	K4	140	51

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)
FEB 04...	48	10	5.6	27	2.0	28	41	<.10	8.5	150	133
MAY 28...	38	8.8	3.9	17	2.2	--	23	<.10	1.7	100	85
SEP 10...	46	11	4.6	--	2.4	13	39	.15	6.6	160	129

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

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

RED RIVER BASIN
323125093552801 CROSS LAKE AT GOAT ISLAND AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 20...	<.010	<.01	<.02	<.02	.04	.018	.51
FEB 04...	<.010	<.01	<.02	<.02	.03	.024	.76
MAY 28...	<.010	<.01	<.02	<.02	.07	<.010	.70
JUN 29...	<.010	.22	<.02	.41	.07	.310	.78
JUL 29...	<.010	<.01	<.02	<.02	.13	.018	3.5
SEP 10...	<.010	<.01	<.02	<.02	.07	.028	1.2

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
NOV 20...	.38	.02	<.02	<.01	<.01	--	--
FEB 04...	.42	.04	.03	.02	<.01	9.5	8.7
MAY 28...	.35	<.02	<.02	<.01	<.01	8.3	8.7
JUN 29...	.68	.03	<.02	.03	.02	--	--
JUL 29...	.71	.41	.02	.08	<.01	--	--
SEP 10...	.48	.20	<.02	.01	<.01	12	9.5

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
FEB 04...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.0	1.6	920	170
MAY 28...	<1.0	1.2	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	350	70

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 04...	<1.0	<1.0	90	84	.1	.1	2.6	2.4	<1.0	<1.0	3.1	1.9
MAY 28...	<1.0	<1.0	74	14	<.1	<.1	<1.0	<1.0	<1.0	<1.0	2.8	1.2

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

RED RIVER BASIN
323125093552801 CROSS LAKE AT GOAT ISLAND AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 04...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1
DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 04...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01
DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
FEB 04...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01
DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	
FEB 04...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)								
FEB 04...	2.3	.11								
MAY 28...	7.8	.62								
SEP 10...	11	1.2								

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

RED RIVER BASIN

323051093551001 CROSS LAKE AT CROSS BAYOU COVE AT SHREVEPORT, LA

LOCATION.--Lat 32°30'51", long 93°55'10", in NE 1/4 NW 1/4 sec. 35, T. 17 N., R. 15 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 20...	1600	260	6.72	10.9	--	--	.75
FEB 03...	1530	269	6.40	12.3	70	22	.35
MAY 28...	1115	222	6.73	27.0	20	2.8	.95
JUN 29...	1505	259	8.61	31.0	--	--	.74
JUL 29...	0800	256	6.61	30.0	--	--	.63
SEP 10...	0915	262	6.99	24.0	5	7.6	.70

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD CACO3 (MG/L AS CACO3) (00410)
NOV 20...	8.7	--	4.3	K11	K6	26
FEB 03...	7.0	26	2.0	470	270	21
MAY 28...	6.9	26	1.4	<2	<2	35
JUN 29...	9.1	--	7.9	K19	41	41
JUL 29...	.1	--	--	K8	K4	58
SEP 10...	3.4	26	2.6	K2	48	63

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)
FEB 03...	60	13	6.6	27	2.1	32	41	<.10	9.1	166	144
MAY 28...	46	10	5.1	24	1.7	12	35	<.10	1.9	134	111
SEP 10...	58	13	6.2	26	2.8	8.7	38	.14	5.9	154	139

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

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

RED RIVER BASIN

323051093551001 CROSS LAKE AT CROSS BAYOU COVE AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

													NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, DIS- AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, DIS- AMMONIA TOTAL (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)							
													NOV 20...	<.010	<.01	<.02	<.02	.04	.020	.58						
													FEB 03...	<.010	<.01	.07	.07	.04	.027	.68						
													MAY 28...	<.010	<.01	<.02	<.02	.08	<.010	.67						
													JUN 29...	<.010	<.01	<.02	<.02	.04	.022	1.6						
													JUL 29...	<.010	<.01	<.02	<.02	.05	.030	1.3						
													SEP 10...	<.010	<.01	<.02	<.02	.03	.024	1.1						
													DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)						
													NOV 20...	.44	.03	<.02	<.01	<.01	--	--						
													FEB 03...	.36	.06	.03	.03	<.01	18	--						
													MAY 28...	.41	.02	<.02	<.01	<.01	9.9	9.9						
													JUN 29...	.60	.03	<.02	.02	.02	--	--						
													JUL 29...	.75	.10	<.02	.03	<.01	--	--						
													SEP 10...	.52	.06	<.02	.02	<.01	14	9.6						
DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)														
	FEB 03...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	1.0	<1.0	2.4	3.4	1100	160													
MAY 28...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	480	90														
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)														
	FEB 03...	1.0	<1.0	120	110	<.1	<.1	4.1	3.2	<1.0	<1.0	5.5	2.8													
MAY 28...	<1.0	<1.0	160	34	<1.0	<.1	<1.0	<1.0	<1.0	<1.0	2.3	1.1														

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

RED RIVER BASIN
323051093551001 CROSS LAKE AT CROSS BAYOU COVE AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCOR 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1
DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01
DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCOR 1221 PCB TOTAL (UG/L) (39488)	AROCOR 1232 PCB TOTAL (UG/L) (39492)	AROCOR 1242 PCB TOTAL (UG/L) (39496)	AROCOR 1248 PCB TOTAL (UG/L) (39500)	AROCOR 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01	
DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	
DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)								
FEB 03...	1.5	<.10								
MAY 28...	5.2	<.10								
SEP 10...	30	E.45								

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

RED RIVER BASIN

323153093550201 CROSS LAKE AT FORTNEY BAYOU AT SHREVEPORT, LA

LOCATION.--Lat 32°31'53", long 93°55'02", in SE 1/4 SE 1/4 sec. 20, T. 18 N., R. 15 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 20...	1700	207	7.26	12.0	--	--	.70
FEB 04...	0945	150	6.60	11.1	60	15	.40
MAY 28...	1445	171	8.35	29.5	10	6.8	.40
JUN 29...	1600	193	8.88	31.0	--	--	.30
JUL 28...	1500	206	9.07	34.9	--	--	.30
SEP 09...	1530	298	9.02	30.0	5	3.7	.25

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD CACO3 (MG/L) AS (00410)
NOV 20...	10.0	--	2.7	K2	K4	36
FEB 04...	7.6	24	2.2	K17	K10	--
MAY 28...	9.0	17	4.2	K2	K4	23
JUN 29...	12.2	--	9.6	K1	K1	24
JUL 28...	10.5	--	--	K9	K8	36
SEP 09...	12.9	26	8.1	--	<2	55

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)
FEB 04...	33	7.6	3.5	17	2.0	19	20	<.10	8.6	106	88
MAY 28...	37	8.5	3.8	17	2.2	17	23	<.10	4.3	102	90
SEP 09...	68	16	6.7	28	2.8	19	41	.15	9.0	172	156

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

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

RED RIVER BASIN
323153093550201 CROSS LAKE AT FORTNEY BAYOU AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 20...	<.010	<.01	.07	.08	.08	.035	.66
FEB 04...	<.010	<.01	.07	.07	.09	.060	.77
MAY 28...	<.010	<.01	<.02	<.02	.06	<.010	.89
JUN 29...	<.010	<.01	<.02	<.02	.02	.014	1.1
JUL 28...	<.010	<.01	<.02	<.02	.02	<.010	1.6
SEP 09...	<.010	<.01	<.02	<.02	.05	.022	1.5

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS SOLVED (MG/L AS P) (00666)	PHOS- PHORUS TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTH. DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
NOV 20...	.41	.03	<.02	<.01	<.01	--	--
FEB 04...	.38	.05	.02	.02	<.01	11	13
MAY 28...	.31	.02	<.02	<.01	<.01	8.8	7.4
JUN 29...	1.3	.03	.04	.02	.02	--	--
JUL 28...	.56	.08	<.02	.02	<.01	--	--
SEP 09...	.40	.11	<.02	.03	<.01	17	10

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
FEB 04...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.6	1.2	850	150
MAY 28...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	8.4	8.1	1.8	<1.0	410	20

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 04...	<1.0	<1.0	130	95	<.1	<.1	2.5	2.3	<1.0	<1.0	3.1	<1.0
MAY 28...	<1.0	<1.0	190	6.1	<.1	<.1	1.2	<1.0	<1.0	1.0	2.3	<1.0

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

RED RIVER BASIN
323153093550201 CROSS LAKE AT FORTNEY BAYOU AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
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FEB 04...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1

DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
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FEB 04...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01

DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
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FEB 04...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01

DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)
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FEB 04...	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
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FEB 04...	3.4	<.10
MAY 28...	26	.85
SEP 09...	50	1.0

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

RED RIVER BASIN

323043093541201 CROSS LAKE AT PAGE BAYOU COVE AT SHREVEPORT, LA

LOCATION.--Lat 32°30'43", long 93°54'12", in SW 1/4 NE 1/4 sec. 33, T. 18 N., R. 15 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 20...	1545	147	7.08	10.4	--	--	.90
FEB 03...	1510	120	6.20	11.8	70	22	.40
MAY 28...	1100	165	6.98	26.7	10	2.3	.85
JUN 29...	1450	190	7.36	31.0	--	--	.70
JUL 28...	1430	202	7.37	29.2	--	--	.50
SEP 09...	1350	--	8.22	29.0	5	1.6	.35

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD (MG/L AS CACO3) (00410)
NOV 20...	9.4	--	1.8	K2	<1	34
FEB 03...	6.1	39	--	K300	170	16
MAY 28...	8.6	20	1.5	<1	K4	24
JUN 29...	4.4	--	8.1	K2	K6	30
JUL 28...	1.0	--	--	K4	23	64
SEP 09...	8.2	21	5.0	K6	K8	62

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)
FEB 03...	28	6.4	2.8	12	2.0	--	15	<.10	7.4	90	68
MAY 28...	36	8.5	3.7	17	.9	14	22	<.10	1.8	102	82
SEP 09...	68	16	6.7	28	2.6	21	38	.13	8.0	--	158

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

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

RED RIVER BASIN

323043093541201 CROSS LAKE AT PAGE BAYOU COVE AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 20...	<.010	<.01	.12	.12	.08	.010	.65
FEB 03...	<.010	<.01	.06	.06	.04	.032	.80
MAY 28...	<.010	<.01	<.02	<.02	.04	<.010	.52
JUN 29...	<.010	<.01	<.02	<.02	.02	.013	.68
JUL 28...	<.010	<.01	<.02	<.02	.01	.010	1.2
SEP 09...	<.010	<.01	<.02	<.02	.03	.022	1.2

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
NOV 20...	.53	.06	.04	.04	.03	--	--
FEB 03...	.54	.08	.04	.05	.02	14	12
MAY 28...	.35	<.02	<.02	<.01	<.01	7.2	8.0
JUN 29...	.39	.02	<.02	.03	.03	--	--
JUL 28...	.77	.06	.02	.03	.01	--	--
SEP 09...	.24	.08	<.02	.02	<.01	15	8.2

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
FEB 03...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	1.3	2.7	1.3	990	270
MAY 28...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	280	60

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 03...	<1.0	<1.0	65	51	<.1	<.1	2.6	2.4	<1.0	<1.0	4.8	2.7
MAY 28...	<1.0	<1.0	77	15	<.1	<.1	1.6	1.0	<1.0	1.0	2.9	<1.0

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

RED RIVER BASIN
323043093541201 CROSS LAKE AT PAGE BAYOU COVE AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PCB TOTAL (UG/L) (34671)	AROCLOR 1016 TOTAL RECOVER (UG/L) (38932)	CHLOR- PYRIFOS UNFILT RECOVER (UG/L) (39011)	DISUL- FOTON PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 03...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1
DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01
DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
FEB 03...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01
DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)								
FEB 03...										
MAY 28...										
SEP 09...										

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

RED RIVER BASIN

323121093533101 CROSS LAKE AT TWIN BIRD ISLAND AT SHREVEPORT, LA

LOCATION.--Lat 32°31'21", long 93°53'31", in SE 1/4 NW 1/4 sec. 27, T. 18 N., R. 15 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV							
20...	1715	211	7.54	11.5	--	--	.65
FEB							
04...	0845	134	6.50	11.4	50	17	.40
MAY							
28...	1515	168	8.22	29.2	10	2.4	.55
JUN							
29...	1610	184	8.91	32.6	--	--	.38
JUL							
28...	1545	220	8.94	32.9	--	--	.40
SEP							
09...	1600	349	8.44	30.0	5	2.3	.30

DATE	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
NOV						
20...	10.5	--	3.1	K16	<1	38
FEB						
04...	8.2	23	2.2	25	K5	14
MAY						
28...	8.8	14	3.3	K1	K2	22
JUN						
29...	10.3	--	9.2	<1	K1	25
JUL						
28...	10.3	--	--	<1	K8	39
SEP						
09...	8.9	21	5.2	--	<2	64

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)
FEB											
04...	30	7.0	3.1	13	2.1	15	18	<.10	7.8	94	75
MAY											
28...	37	8.7	3.8	17	2.3	18	22	<.10	5.0	112	90
SEP											
09...	80	19	8.0	32	3.1	28	48	.16	8.6	200	185

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.

RED RIVER BASIN

323121093533101 CROSS LAKE AT TWIN BIRD ISLAND AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L ASN) (00625)
NOV 20...	<.010	<.01	.05	.05	.07	.024	.75
FEB 04...	<.010	<.01	.07	.07	.08	.038	.71
MAY 28...	<.010	<.01	<.02	<.02	.10	<.010	.76
JUN 29...	<.010	<.01	<.02	.02	--	.028	1.0
JUL 28...	<.010	<.01	<.02	<.02	.02	.010	.98
SEP 09...	<.010	<.01	<.02	<.02	.04	.026	1.3

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L ASC) (00681)
NOV 20...	.33	.04	<.02	<.01	<.01	--	--
FEB 04...	.45	.06	.02	<.01	<.01	12	9.4
MAY 28...	.31	.02	<.02	<.01	<.01	7.7	6.8
JUN 29...	.46	.03	<.02	.01	.01	--	--
JUL 28...	.37	.06	<.02	<.01	<.01	--	--
SEP 09...	<.20	.09	<.02	.02	<.01	14	8.5

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
FEB 04...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.9	--	830	170
MAY 28...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	2.0	1.3	260	10

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 04...	<1.0	<1.0	100	37	<.1	<.1	1.9	1.6	<1.0	<1.0	3.7	1.4
MAY 28...	<1.0	<1.0	150	.5	<.1	<.1	<1.0	<1.0	<1.0	<1.0	3.3	1.5

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

RED RIVER BASIN

323121093533101 CROSS LAKE AT TWIN BIRD ISLAND AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 04...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1
DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 04...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01
DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
FEB 04...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01
DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	
FEB 04...	--	--	--	--	--	--	--	--	--	
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	
DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)								
FEB 04...	4.3	E.11								
MAY 28...	21	1.0								
SEP 09...	44	2.1								

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

E Estimated.

RED RIVER BASIN

323013093530501 CROSS LAKE AT HICKMAN'S ARM AT SHREVEPORT, LA

LOCATION.--Lat 32°30'13", long 93°53'05", in SW 1/4 SE 1/4 sec. 34, T. 18 N., R. 15 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 20...	1445	211	7.46	11.7	--	--	.60
FEB 03...	1415	137	6.50	11.9	50	20	.40
MAY 28...	1005	167	6.81	27.6	10	4.2	.50
JUN 29...	1420	202	8.39	31.0	--	--	.35
JUL 28...	1345	224	9.30	32.3	--	--	.40
SEP 10...	0830	290	6.73	23.0	5	4.6	.60

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD CACO3 (MG/L AS) (00410)
NOV 20...	9.9	--	3.2	K10	K8	38
FEB 03...	8.7	22	2.9	130	190	15
MAY 28...	6.8	24	2.2	K24	K40	22
JUN 29...	11.1	--	7.3	K17	K3	26
JUL 28...	9.3	--	--	K9	K4	43
SEP 10...	1.7	23	1.2	K14	K21	54

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)
NOV 20...	--	--	--	--	--	--	--	--	--	--	--
FEB 03...	32	7.3	3.3	13	2.1	16	18	<.10	7.5	96	77
MAY 28...	37	8.7	3.8	16	2.3	18	21	<.10	5.1	102	88
JUN 29...	--	--	--	--	--	--	--	--	--	--	--
JUL 28...	--	--	--	--	--	--	--	--	--	--	--
SEP 10...	66	15	6.9	29	2.9	18	40	.15	7.3	168	152

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.

RED RIVER BASIN

323013093530501 CROSS LAKE AT HICKMAN'S ARM AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
------	---	--	---	--	---	--	---

NOV 20...	<.010	<.01	.06	.07	.10	.016	.78
FEB 03...	<.010	<.01	.07	.07	.09	.038	.95
MAY 28...	<.010	<.01	<.02	<.02	.09	.014	.71
JUN 29...	<.010	<.01	<.02	<.02	.02	.023	1.0
JUL 28...	<.010	<.01	<.02	<.02	.02	<.010	1.2
SEP 10...	<.010	<.01	<.02	<.02	.03	.024	.68

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
------	--	---	--	--	--	--	---

NOV 20...	.36	.04	<.02	<.01	<.01	--	--
FEB 03...	.54	.06	.03	.01	<.01	11	8.7
MAY 28...	.27	<.02	<.02	<.01	<.01	7.5	7.0
JUN 29...	.43	.03	<.02	.01	.01	--	--
JUL 28...	.36	.03	.05	.02	<.01	--	--
SEP 10...	.59	.05	<.02	.01	<.01	13	9.2

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
FEB 03...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	2.0	2.1	760	150
MAY 28...	<1.0	1.1	<.5	<.5	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	410	10

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 03...	<1.0	<1.0	110	57	<.1	<.1	2.3	<1.0	<1.0	<1.0	4.0	1.4
MAY 28...	3.0	<1.0	240	1.0	<.1	<.1	1.6	<1.0	<1.0	<1.0	3.6	<1.0

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

RED RIVER BASIN

323013093530501 CROSS LAKE AT HICKMAN'S ARM AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 03...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1
DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01
DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
FEB 03...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01
DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	
FEB 03...	--	--	--	--	--	--	--	--	--	
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	
DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)								
FEB 03...	11	<.1								
MAY 28...	24	1.1								
SEP 10...	38	5.4								

RED RIVER BASIN

323150093515601 CROSS LAKE AT JOHNSON'S ARM AT SHREVEPORT, LA

LOCATION.--Lat 32°31'50", long 93°51'56", in NE 1/4 SW 1/4 sec. 23, T. 18 N., R. 15 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 20...	1430	206	7.63	11.9	--	--	.50
FEB 03...	1215	123	6.70	11.9	50	13	.40
MAY 28...	0945	164	7.06	27.9	10	4.7	.50
JUN 29...	1350	188	8.77	32.5	--	--	--
JUL 28...	1315	238	8.86	33.1	--	--	.40
SEP 09...	1330	365	8.54	30.0	10	4.9	.30

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD CACO3 (MG/L) AS CACO3 (00410)
NOV 20...	10.6	--	3.4	K8	K4	37
FEB 03...	8.6	24	3.1	K9	K11	15
MAY 28...	7.2	23	2.7	K20	K12	23
JUN 29...	10.3	--	8.4	K2	K2	25
JUL 28...	9.6	--	--	K3	K6	44
SEP 09...	9.2	18	5.3	--	<2	65

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)
FEB 03...	30	7.1	3.0	12	1.9	--	15	<.10	6.8	84	69
MAY 28...	37	8.7	3.6	16	2.3	18	21	<.10	5.6	100	89
SEP 09...	85	20	8.6	35	3.1	31	52	.16	8.7	212	198

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.

RED RIVER BASIN
323150093515601 CROSS LAKE AT JOHNSON'S ARM AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 20...	<.010	<.01	.05	.05	.08	.012	.74
FEB 03...	<.010	<.01	.04	.04	.10	.040	.86
MAY 28...	<.010	<.01	<.02	<.02	.08	.010	.75
JUN 29...	<.010	<.01	<.02	<.02	--	.028	1.1
JUL 28...	<.010	<.01	<.02	<.02	.03	.014	1.1
SEP 09...	.010	.02	<.02	.02	.03	.034	1.2

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
NOV 20...	.36	.04	<.02	<.01	<.01	--	--
FEB 03...	.39	.05	.02	.02	<.01	9.7	11
MAY 28...	.28	<.02	<.02	<.01	<.01	7.5	7.5
JUN 29...	.45	.04	<.02	.02	.01	--	--
JUL 28...	.33	.06	<.02	.01	<.01	--	--
SEP 09...	.33	.07	<.02	.01	<.01	14	8.7

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
FEB 03...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	2.0	2.3	690	150
MAY 28...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	330	10
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 03...	<1.0	<1.0	73	33	<.1	<.10	2.3	<1.0	<1.0	<1.0	3.6	1.0
MAY 28...	<1.0	3.0	150	.7	<.1	<.10	1.2	<1.0	<1.0	<1.0	3.0	<1.0

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

RED RIVER BASIN
323150093515601 CROSS LAKE AT JOHNSON'S ARM AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCOR 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 03...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1

DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01

DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCOR 1221 PCB TOTAL (UG/L) (39488)	AROCOR 1232 PCB TOTAL (UG/L) (39492)	AROCOR 1242 PCB TOTAL (UG/L) (39496)	AROCOR 1248 PCB TOTAL (UG/L) (39500)	AROCOR 1254 PCB TOTAL (UG/L) (39504)	AROCOR 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
FEB 03...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01

DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)
FEB 03...	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
FEB 03...	7.6	<.1
MAY 28...	19	.64
SEP 09...	34	1.0

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

RED RIVER BASIN

322931093503001 CROSS LAKE AT HATCHER'S ARM AT SHREVEPORT, LA

LOCATION.--Lat 32°29'31", long 93°50'30", in NE 1/4 SW 1/4 sec. 6, T. 17 N., R. 14 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV 20...	1105	215	6.46	11.6	--	--	.30
FEB 03...	1045	139	6.60	10.5	70	36	.20
MAY 28...	0815	172	6.77	26.9	10	4.5	.40
JUN 29...	1235	188	7.28	29.0	--	--	--
JUL 28...	1020	290	8.30	30.7	--	--	.30
SEP 09...	1000	347	7.44	26.5	10	4.9	.25

DATE	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC CI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
NOV 20...	9.6	--	.6	K28	K5	37
FEB 03...	9.1	30	2.7	K580	K1700	18
MAY 28...	6.7	20	2.8	K16	K24	22
JUN 29...	8.8	--	5.4	27	K5	26
JUL 28...	8.3	--	--	K4	K2	42
SEP 09...	7.8	17	5.5	--	K10	65

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)
FEB 03...	39	8.7	4.1	12	2.1	21	13	<.10	6.4	98	79
MAY 28...	40	9.4	4.0	16	2.3	19	21	<.10	6.0	106	91
SEP 09...	81	19	8.1	34	3.1	28	48	.16	8.7	198	188

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.

RED RIVER BASIN

322931093503001 CROSS LAKE AT HATCHER'S ARM AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
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NOV 20...	<.010	<.01	.06	.06	.10	.016	.88
FEB 03...	<.010	<.01	.10	.09	.08	.052	.86
MAY 28...	<.010	<.01	<.02	<.02	.06	.010	.70
JUN 29...	<.010	<.01	<.02	.03	.01	.030	1.1
JUL 28...	<.010	<.01	<.02	<.02	.03	<.010	1.2
SEP 09...	.020	.02	.03	.02	.08	.040	.92

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
------	--	---	--	--	--	--	---

NOV 20...	.46	.06	<.02	.02	<.01	--	--
FEB 03...	.51	.08	.04	.03	.01	14	10
MAY 28...	.30	<.02	<.02	<.01	<.01	7.5	7.2
JUN 29...	.67	.05	<.02	.02	.02	--	--
JUL 28...	.35	.08	<.02	.02	<.01	--	--
SEP 09...	.31	.12	<.02	.02	<.01	16	7.5

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
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FEB 03...	1.1	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	11	2.5	1200	170
MAY 28...	1.1	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	3.2	1.6	440	10

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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FEB 03...	2.0	<1.0	130	60	--	<.1	3.6	2.2	<1.0	<1.0	8.2	3.0
MAY 28...	1.0	<1.0	320	1.0	<.1	<.1	1.9	<1.0	<1.0	<1.0	6.4	1.4

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

RED RIVER BASIN
322931093503001 CROSS LAKE AT HATCHER'S ARM AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCLO 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 03...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1
DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01
DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCLO 1221 PCB TOTAL (UG/L) (39488)	AROCLO 1232 PCB TOTAL (UG/L) (39492)	AROCLO 1242 PCB TOTAL (UG/L) (39496)	AROCLO 1248 PCB TOTAL (UG/L) (39500)	AROCLO 1254 PCB TOTAL (UG/L) (39504)	AROCLO 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
FEB 03...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01
DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)								
FEB 03...	3.2	<.10								
MAY 28...	15	.56								
SEP 09...	49	3.0								

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

RED RIVER BASIN

323030093490101 CROSS LAKE AT WILLOW POINT AT SHREVEPORT, LA

LOCATION.--Lat 32°30'30", long 93°49'01", in SE 1/4 NW 1/4 sec. 32, T. 18 N., R. 14 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 20...	1400	218	7.64	11.1	--	--	.60
FEB 03...	1145	136	6.80	11.2	50	17	.40
MAY 28...	0905	168	6.83	27.4	10	2.9	.62
JUN 29...	1315	198	8.33	29.0	--	--	.43
JUL 28...	1110	288	7.59	31.0	--	--	.40
SEP 09...	1130	500	7.40	28.0	5	3.8	.35

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET MG/L AS CACO3 (00410)
NOV 20...	10.6	--	2.9	K4	<1	40
FEB 03...	8.6	17	2.5	60	K12	16
MAY 28...	6.7	16	1.5	K4	K4	22
JUN 29...	9.2	--	6.9	K4	K1	29
JUL 28...	7.6	--	--	K2	K1	49
SEP 09...	6.1	17	3.7	--	K8	78

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)
FEB 03...	32	7.5	3.2	13	2.1	15	17	<.10	7.0	94	74
MAY 28...	38	9.0	3.8	16	2.3	19	20	<.10	6.1	114	89
SEP 09...	120	28	11	47	3.3	51	68	.17	8.2	292	263

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.

RED RIVER BASIN
323030093490101 CROSS LAKE AT WILLOW POINT AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 20...	<.010	<.01	<.02	.02	.07	.043	.73
FEB 03...	<.010	<.01	.06	.06	.04	.012	.70
MAY 28...	<.010	<.01	<.02	<.02	.07	<.010	.58
JUN 29...	<.010	<.01	<.02	.02	.01	.028	.81
JUL 28...	<.010	<.01	<.02	<.02	.02	.011	.87
SEP 09...	<.010	<.01	<.02	<.02	.06	.028	1.0

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
NOV 20...	.46	.04	.03	<.01	<.01	--	--
FEB 03...	.38	.05	.02	<.01	<.01	9.5	16
MAY 28...	.26	.02	<.02	<.01	<.01	6.8	6.5
JUN 29...	.38	.03	<.02	.02	.01	--	--
JUL 28...	.38	.05	<.02	<.01	<.01	--	--
SEP 09...	.24	.08	<.02	.01	<.01	11	7.2

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
FEB 03...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	3.2	4.8	630	100
MAY 28...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	2.7	1.8	270	5.0

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 03...	<1.0	<1.0	68	11	<.1	<.1	1.5	2.4	<1.0	<1.0	3.3	1.4
MAY 28...	<1.0	<1.0	190	1.0	<.1	<.1	1.2	<1.0	<1.0	<1.0	4.3	<1.0

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

RED RIVER BASIN
323030093490101 CROSS LAKE AT WILLOW POINT AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCLO 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 03...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1
DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01
DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCLO 1221 PCB TOTAL (UG/L) (39488)	AROCLO 1232 PCB TOTAL (UG/L) (39492)	AROCLO 1242 PCB TOTAL (UG/L) (39496)	AROCLO 1248 PCB TOTAL (UG/L) (39500)	AROCLO 1254 PCB TOTAL (UG/L) (39504)	AROCLO 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
FEB 03...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01
DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)								
FEB 03...	14	E.43								
MAY 28...	17	.79								
SEP 09...	39	2.5								

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

RED RIVER BASIN

323043093475501 CROSS LAKE SPILLWAY ON CROSS LAKE AT SHREVEPORT, LA

LOCATION.--Lat 32°30'43", long 93°47'55", in NE 1/4 NE 1/4 sec. 33, T. 18 N., R. 14 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

PERIOD OF RECORD.--February 1997 to current year (seasonal).

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sampled from boat on lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

				PH				TRANS-				
				SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	PAR- ENCY (SECCHI DISK) (M) (00078)			
DATE		TIME										
NOV 20...		1340		219	7.18	11.5	--	--	.70			
FEB 03...		1125		143	6.90	11.4	30	14	.45			
MAY 28...		0845		168	6.96	27.2	10	4.3	.62			
JUN 29...		1300		215	8.19	30.0	--	--	.35			
JUL 28...		1040		303	8.53	31.6	--	--	.50			
SEP 09...		1045		502	7.27	28.5	5	3.6	.35			
				OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)				
DATE		OXYGEN, DIS- SOLVED (MG/L) (00300)										
NOV 20...		10.4		--	3.0	K10	K4	39				
FEB 03...		8.6		18	2.6	150	330	--				
MAY 28...		7.0		20	2.0	<4	K12	22				
JUN 29...		11.7		--	--	K1	<1	27				
JUL 28...		8.8		--	--	K6	K4	51				
SEP 09...		5.2		16.2	3.1	--	K4	70				
HARD- NESS TOTAL (MG/L AS CACO3) (00900)		CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	
DATE												
FEB 03...		34	8.1	3.4	13	2.2	16	18	.70	6.8	92	78
MAY 28...		39	9.2	3.9	16	2.3	20	21	<.10	6.3	106	92
SEP 09...		120	29	11	46	3.1	56	68	.18	7.0	280	262

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.

RED RIVER BASIN

323043093475501 CROSS LAKE SPILLWAY ON CROSS LAKE AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 20...	<.010	<.01	.04	.04	.07	<.010	.79
FEB 03...	<.010	<.01	.06	.06	.05	<.010	.67
MAY 28...	<.010	<.01	<.02	<.02	.05	<.010	.61
JUN 29...	<.010	<.01	<.02	.02	<.01	.044	.87
JUL 28...	<.010	<.01	<.02	<.02	<.01	.022	.96
SEP 09...	.022	.02	.03	.02	.07	.035	.86

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
NOV 20...	.34	.04	<.02	<.01	<.01	--	--
FEB 03...	.41	.05	.03	.01	<.01	9.2	7.0
MAY 28...	.26	<.02	<.02	<.01	<.01	7.1	7.3
JUN 29...	.39	.03	<.02	.02	.02	--	--
JUL 28...	.38	.04	<.02	<.01	<.01	--	--
SEP 09...	<.20	.06	<.02	<.01	<.01	11	6.7

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
FEB 03...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	3.4	2.9	520	80
MAY 28...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	4.0	2.0	280	6.0
SEP 09...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 03...	<1.0	<1.0	69	8.7	--	<.1	1.6	1.3	<1.0	<1.0	3.4	<1.0
MAY 28...	<1.0	<1.0	190	.8	<.1	<.1	1.4	<1.0	<1.0	<1.0	2.6	<1.0
SEP 09...	--	--	--	--	--	--	--	--	--	--	--	--

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

RED RIVER BASIN

323043093475501 CROSS LAKE SPILLWAY ON CROSS LAKE AT SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCN UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	S LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)
FEB 03...	<.1	--	--	--	--	--	--	--	--	--
MAY 28...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1
DATE	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01
DATE	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)
FEB 03...	--	<.1	<.1	<.1	<.1	<.1	<.1	--	--	--
MAY 28...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.01	<.01
DATE	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	
FEB 03...	--	--	--	--	--	--	--	--	--	--
MAY 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)								
FEB 03...	11	<.10								
MAY 28...	10	.66								
SEP 09...	35	2.6								

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

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE 1/4 NE 1/4 sec.16, T.23 N., R.10 W., Webster Parish, Hydrologic Unit 11140203, near left bank on downstream side of bridge on State highway 157, 0.4 mi downstream from Crooked Creek, 1.7 mi downstream from Arkansas-Louisiana State line, and 4.2 mi southeast of intersection of State Highways 7 and 157 at Springhill.

DRAINAGE AREA.--605 mi².

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

REVISED RECORDS.--WDR LA-75-1: 1974, WDR LA-85-1: 1985(P).

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

REMARKS.--Estimated daily discharges. Indefinite stage-discharge relationship, October 1 through October 24. Records good above 200 ft³/s, fair below, except for estimated daily discharges which are poor.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 10	0900	5,680	14.48	Mar. 10	1030	5,260	14.55
Feb. 14	0430	*8,340	*15.41	Mar. 20	0900	3,270	13.75
Mar. 2	0130	3,640	13.96	Jun. 2	0430	5,550	14.64

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.37	20	124	1260	1850	3360	439	171	2710	1.2	11	7.8
2	e.36	23	207	1020	1690	3560	501	146	5170	1.4	10	7.3
3	e.35	30	259	734	1500	3200	572	261	3530	2.8	9.4	6.9
4	e.34	45	242	484	1280	2650	619	205	2440	3.6	8.6	7.6
5	e.33	67	216	370	1080	2150	596	178	1840	3.3	8.4	8.2
6	e.45	73	252	465	861	1760	526	217	1320	2.7	17	7.6
7	e.90	82	280	1050	645	1740	440	174	867	2.4	41	7.4
8	e1.7	137	309	1950	502	2030	375	115	483	2.2	93	7.1
9	e4.0	195	312	3690	421	3440	333	82	345	2.3	23	6.5
10	e8.0	180	366	5540	423	5060	347	59	257	2.5	12	6.3
11	e20	117	418	4670	1140	4040	423	46	207	2.6	16	6.8
12	e32	92	453	4190	2040	3120	462	38	174	2.5	33	106
13	e42	104	445	3910	5730	2430	421	32	121	83	70	258
14	e35	110	384	3940	8110	1950	317	27	69	47	56	128
15	e25	116	317	4200	6620	1610	237	24	42	13	69	281
16	e19	173	264	3860	4790	1450	185	21	28	10	60	406
17	e17	207	215	3440	3640	1840	146	18	17	11	43	328
18	e16	191	175	3010	3150	2000	121	16	9.6	11	43	259
19	e15	148	147	2500	3030	2690	104	16	6.0	11	29	238
20	e15	120	132	2010	3010	3240	90	17	4.7	11	21	177
21	e20	105	244	1690	2800	3060	81	18	3.5	11	15	128
22	e28	92	324	1540	2520	2640	82	18	2.7	11	12	110
23	e40	80	411	1410	2240	2180	79	18	2.2	12	9.9	107
24	e59	71	1140	1340	2000	1810	63	18	1.9	15	9.7	87
25	42	61	1310	1380	1820	1450	56	18	1.7	15	9.8	53
26	58	57	1530	1600	2010	1110	50	19	1.5	14	9.5	31
27	67	54	1780	1830	2310	793	71	28	1.4	13	9.0	17
28	60	58	2010	1950	2680	545	101	31	1.4	13	9.5	10
29	47	111	2030	2050	---	420	114	66	1.3	12	10	7.5
30	39	93	1810	2120	---	363	159	224	1.2	12	8.9	6.5
31	30	---	1530	2030	---	392	---	480	---	11	8.0	---
TOTAL	742.80	3012	19636	71233	69892	68083	8110	2801	19659.1	365.5	784.7	2817.5
MEAN	24.0	100	633	2298	2496	2196	270	90.4	655	11.8	25.3	93.9
MAX	67	207	2030	5540	8110	5060	619	480	5170	83	93	406
MIN	.33	20	124	370	421	363	50	16	1.2	1.2	8.0	6.3
AC-FT	1470	5970	38950	141300	138600	135000	16090	5560	38990	725	1560	5590
CFSM	.04	.17	1.05	3.80	4.13	3.63	.45	.15	1.08	.02	.04	.16
IN.	.05	.19	1.21	4.38	4.30	4.19	.50	.17	1.21	.02	.05	.17

e Estimated

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1998, BY WATER YEAR (WY)

MEAN	124	276	765	960	1187	1178	1225	780	401	198	66.4	104
MAX	1569	1351	3223	3061	3188	3586	4646	3707	3263	2937	553	2533
(WY)	1985	1975	1974	1991	1975	1990	1991	1991	1974	1989	1996	1974
MIN	1.12	1.34	17.3	35.5	31.6	96.4	149	22.3	3.10	1.58	1.73	1.28
(WY)	1996	1996	1996	1981	1996	1996	1987	1988	1988	1964	1969	1997

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1958 - 1998		
ANNUAL TOTAL	360568.60			267136.60					
ANNUAL MEAN	988			732			602		
HIGHEST ANNUAL MEAN							1551		
LOWEST ANNUAL MEAN							129		
HIGHEST DAILY MEAN	34800	Apr 6		8110	Feb 14		35000	Apr 28	1958
LOWEST DAILY MEAN	.30	Sep 21		.33	Oct 5		.00	Oct 10	1957
ANNUAL SEVEN-DAY MINIMUM	.37	Sep 30		.44	Oct 1		.07	Oct 8	1957
INSTANTANEOUS PEAK FLOW				8340	Feb 14		36700	Apr 6	1997
INSTANTANEOUS PEAK STAGE				15.41	Feb 14		22.79	Apr 28	1958
INSTANTANEOUS LOW FLOW				unknown			.00	Oct 10-14	1957
INSTANTANEOUS LOW STAGE				4.06	Jul 1				
ANNUAL RUNOFF (AC-FT)	715200			529900			436200		
ANNUAL RUNOFF (CFSM)	1.63			1.21			1.00		
ANNUAL RUNOFF (INCHES)	22.17			16.43			13.52		
10 PERCENT EXCEEDS	2300			2510			1660		
50 PERCENT EXCEEDS	220			114			131		
90 PERCENT EXCEEDS	2.3			6.7			2.9		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.06	4.86	6.40	11.91	12.82	13.80	9.22	7.01	13.04	4.06	4.35	4.23
2	5.06	4.93	7.38	11.36	12.62	13.92	9.59	6.71	14.53	4.10	4.33	4.20
3	5.08	5.11	7.87	10.54	12.38	13.71	9.98	7.82	13.89	4.31	4.30	4.18
4	5.10	5.43	7.72	9.48	12.03	13.34	10.16	7.36	13.18	4.37	4.27	4.22
5	5.10	5.77	7.48	8.75	11.54	12.95	10.08	7.08	12.64	4.35	4.26	4.25
6	5.09	5.87	7.81	9.32	10.94	12.56	9.73	7.49	11.99	4.31	4.52	4.22
7	5.10	5.98	8.05	11.39	10.25	12.54	9.22	7.03	10.93	4.27	5.08	4.21
8	5.12	6.64	8.29	12.74	9.59	12.83	8.79	6.29	9.46	4.25	5.96	4.19
9	5.15	7.27	8.32	13.92	9.10	13.81	8.48	5.82	8.57	4.26	4.70	4.16
10	5.17	7.10	8.72	14.64	9.07	14.49	8.58	5.46	7.85	4.30	4.40	4.14
11	5.16	6.39	9.08	14.38	11.69	14.14	9.12	5.23	7.39	4.30	4.51	4.17
12	5.13	6.08	9.31	14.23	12.95	13.65	9.36	5.07	7.04	4.30	4.94	5.86
13	5.38	6.23	9.26	14.10	14.64	13.18	9.10	4.94	6.36	5.72	5.65	7.84
14	5.25	6.30	8.86	14.12	15.35	12.76	8.35	4.81	5.62	5.18	5.42	6.46
15	5.14	6.36	8.35	14.23	14.94	12.39	7.67	4.74	5.15	4.45	5.62	7.97
16	5.11	7.03	7.92	14.08	14.41	12.19	7.16	4.65	4.89	4.33	5.48	9.01
17	5.10	7.39	7.47	13.87	13.96	12.65	6.71	4.58	4.73	4.37	5.17	8.48
18	5.10	7.22	7.06	13.64	13.68	12.81	6.38	4.54	4.59	4.37	5.16	7.96
19	5.11	6.73	6.72	13.35	13.60	13.37	6.13	4.54	4.48	4.38	4.86	7.79
20	5.11	6.36	6.53	12.98	13.59	13.73	5.92	4.56	4.43	4.38	4.65	7.22
21	5.12	6.14	7.68	12.62	13.45	13.62	5.81	4.58	4.37	4.37	4.51	6.66
22	5.18	5.95	8.41	12.43	13.25	13.34	5.82	4.58	4.31	4.37	4.41	6.41
23	5.31	5.79	9.01	12.26	13.03	12.98	5.77	4.59	4.25	4.39	4.33	6.37
24	5.68	5.65	11.63	12.15	12.82	12.62	5.54	4.58	4.21	4.50	4.32	6.07
25	5.36	5.51	11.99	12.21	12.62	12.19	5.42	4.58	4.17	4.51	4.32	5.56
26	5.67	5.43	12.30	12.51	12.81	11.57	5.30	4.62	4.13	4.46	4.31	5.09
27	5.82	5.39	12.58	12.80	13.09	10.73	5.64	4.83	4.12	4.44	4.29	4.74
28	5.70	5.44	12.82	12.92	13.36	9.82	6.08	4.90	4.11	4.43	4.31	4.52
29	5.48	6.23	12.84	13.03	---	9.10	6.27	5.55	4.09	4.41	4.33	4.40
30	5.31	5.97	12.61	13.08	---	8.70	6.87	7.49	4.07	4.39	4.28	4.35
31	5.10	---	12.30	13.00	---	8.91	---	9.39	---	4.38	4.24	---
MAX	5.82	7.39	12.84	14.64	15.35	14.49	10.16	9.39	14.53	5.72	5.96	9.01
MIN	5.06	4.86	6.40	8.75	9.07	8.70	5.30	4.54	4.07	4.06	4.24	4.14

RED RIVER BASIN

07349000 BAYOU DORCHEAT NEAR MINDEN, LA

LOCATION.--Lat 32°35'55", long 93°19'59", in NE 1/4 NW 1/4 sec.31, T.19 N., R.9 W., Webster Parish, Hydrologic Unit 11140203, on left bank 500 ft upstream from bridge on U.S. Highway 80, 0.7 mi upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi west of Minden, and 28 mi upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi².

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

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

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

REMARKS.--Gage heights affected by Lake Bistineau.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,800 ft³/s, May 1, 1958, gage height, 24.90 ft; maximum gage height, 25.12 ft., Apr. 8, 1997; no flow at times in 1954, 1956, 1964, 1969, 1972, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,620 ft³/s, Feb. 18, gage height, 15.93 ft.; minimum gage height 6.43 ft, Sep. 10.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.99	7.36	7.73	11.20	11.57	13.78	9.09	7.44	7.12	7.06	6.63	6.66
2	6.99	7.35	7.67	10.96	11.80	13.79	8.88	7.43	7.15	7.04	6.61	6.65
3	6.98	7.33	7.76	10.64	11.87	13.77	8.79	7.47	7.31	7.06	6.59	6.64
4	6.96	7.30	7.79	10.25	11.85	13.72	8.65	7.50	7.90	7.04	6.55	6.63
5	6.95	7.38	7.78	9.84	11.68	13.65	8.57	7.53	8.89	7.03	6.54	6.61
6	6.94	7.40	7.78	10.08	11.38	13.51	8.53	7.59	9.85	7.01	6.54	6.59
7	6.94	7.38	7.75	12.33	10.98	13.41	8.50	7.56	10.52	6.99	6.55	6.57
8	6.94	7.37	7.99	13.26	10.48	13.58	8.41	7.50	10.73	6.97	6.55	6.55
9	6.92	7.36	8.17	13.73	9.91	13.26	8.28	7.48	10.49	6.95	6.54	6.48
10	6.91	7.39	8.23	13.97	9.45	13.08	8.12	7.44	9.74	6.92	6.52	6.46
11	6.91	7.39	8.17	13.99	9.96	13.36	8.01	7.41	8.70	6.90	6.54	6.47
12	6.93	7.40	8.06	14.53	10.36	14.01	7.98	7.40	8.04	6.88	6.68	6.94
13	7.06	7.45	8.00	15.07	10.63	14.55	7.98	7.36	7.78	6.94	6.75	7.23
14	7.07	7.48	7.98	15.37	10.92	14.58	7.97	7.34	7.67	6.94	6.77	7.27
15	7.07	7.46	7.95	15.37	11.34	14.21	7.98	7.34	7.54	6.93	6.85	7.43
16	7.06	7.44	7.92	15.24	12.35	13.86	7.90	7.31	7.47	6.91	6.85	7.63
17	7.05	7.43	7.84	15.04	14.26	14.00	7.74	7.28	7.44	6.90	6.85	7.67
18	7.05	7.43	7.75	14.81	15.74	14.00	7.68	7.27	7.40	6.89	6.84	7.70
19	7.05	7.44	7.68	14.51	15.85	13.98	7.66	7.26	7.36	6.87	6.83	7.72
20	7.05	7.46	7.63	14.17	15.49	13.97	7.60	7.25	7.33	6.85	6.81	7.68
21	7.05	7.45	8.33	13.81	15.00	13.93	7.54	7.24	7.30	6.83	6.81	7.60
22	7.04	7.42	8.77	13.58	14.53	13.78	7.50	7.24	7.26	6.86	6.81	7.53
23	7.17	7.40	8.88	13.39	14.14	13.59	7.46	7.23	7.23	6.83	6.79	7.46
24	7.66	7.39	10.32	13.09	13.79	13.39	7.45	7.20	7.21	6.81	6.79	7.42
25	7.63	7.38	10.90	12.76	13.46	13.13	7.46	7.18	7.19	6.80	6.77	7.39
26	7.62	7.37	11.05	12.45	13.37	12.78	7.41	7.18	7.16	6.79	6.76	7.36
27	7.54	7.37	11.33	12.11	13.61	12.33	7.44	7.17	7.15	6.77	6.74	7.33
28	7.50	7.45	11.61	11.82	13.71	11.74	7.50	7.15	7.14	6.75	6.73	7.29
29	7.45	7.93	11.70	11.64	---	11.00	7.47	7.15	7.12	6.73	6.70	7.27
30	7.42	7.84	11.61	11.53	---	10.17	7.45	7.13	7.09	6.71	6.70	7.26
31	7.40	---	11.42	11.49	---	9.53	---	7.13	---	6.67	6.68	---
MAX	7.66	7.93	11.70	15.37	15.85	14.58	9.09	7.59	10.73	7.06	6.85	7.72
MIN	6.91	7.30	7.63	9.84	9.45	9.53	7.41	7.13	7.09	6.67	6.52	6.46

RED RIVER BASIN

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

LOCATION.--Lat 32°19'46", long 93°26'10", in SE 1/4 NW 1/4 sec.31, T.16 N., R.10 W., Bossier Parish, Hydrologic Unit 11140203, 40 ft upstream from spillway near right bank on upstream side of bridge on State Highway 154, 9.0 mi west of Ringgold, and 17.0 mi upstream from mouth of Loggy Bayou.

DRAINAGE AREA.--1,443 mi².

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

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

GAGE.--Water-stage recorder and concrete control at station. Datum of gage is 130.00 ft above sea level (levels by Louisiana Department of Transportation and Development).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 17.79 ft, Apr. 18, 1991; minimum, 3.37 ft, Nov. 18, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.88 ft, Jan. 8; minimum gage height, 10.27 ft, Sep. 11.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.65	11.16	11.43	11.85	11.91	12.35	11.76	11.19	10.88	10.85	10.43	10.48
2	10.73	11.12	11.37	11.83	12.01	12.29	11.69	11.18	10.85	10.83	10.41	10.47
3	10.77	11.09	11.44	11.81	12.02	12.22	11.61	11.21	10.85	10.81	10.38	10.44
4	10.76	11.07	11.45	11.78	11.98	12.16	11.58	11.19	10.90	10.78	10.36	10.41
5	10.75	11.10	11.41	11.77	11.96	12.17	11.52	11.16	11.07	10.73	10.33	10.40
6	10.73	11.18	11.37	11.98	11.90	12.16	11.46	11.16	11.25	10.78	10.32	10.38
7	10.73	11.16	11.36	12.71	11.86	12.27	11.44	11.18	11.36	10.77	10.33	10.36
8	10.71	11.14	11.47	12.85	11.82	12.58	11.44	11.20	11.44	10.75	10.34	10.35
9	10.72	11.13	11.49	12.69	11.76	12.52	11.43	11.17	11.54	10.71	10.33	10.35
10	10.72	11.14	11.51	12.52	11.74	12.35	11.41	11.16	11.58	10.69	10.31	10.30
11	10.71	11.15	11.48	12.39	11.85	12.23	11.37	11.14	11.53	10.66	10.34	10.35
12	10.67	11.20	11.45	12.61	11.90	12.17	11.31	11.11	11.47	10.64	10.39	10.64
13	10.89	11.20	11.40	12.64	11.90	12.17	11.30	11.10	11.39	10.71	10.46	10.87
14	10.93	11.20	11.38	12.62	11.87	12.22	11.33	11.09	11.29	10.73	10.53	10.97
15	10.91	11.22	11.36	12.60	11.89	12.25	11.31	11.07	11.27	10.71	10.64	11.10
16	10.89	11.20	11.34	12.54	11.98	12.36	11.33	11.07	11.23	10.69	10.64	11.24
17	10.88	11.18	11.34	12.49	12.12	12.59	11.33	11.07	11.15	10.69	10.63	11.27
18	10.86	11.18	11.33	12.42	12.29	---	11.34	11.05	11.11	10.67	10.63	11.27
19	10.84	11.18	11.30	12.36	12.45	---	11.32	11.03	11.09	10.65	10.63	11.26
20	10.84	11.17	11.29	12.28	12.56	---	11.28	11.01	11.06	10.63	10.63	11.25
21	10.85	11.18	11.58	12.30	12.53	---	11.28	10.99	11.02	10.62	10.62	11.24
22	10.87	11.18	11.73	12.42	12.48	---	11.24	10.97	11.02	10.62	10.61	11.23
23	10.97	11.17	11.81	12.34	12.41	---	11.21	10.95	10.99	10.60	10.59	11.21
24	11.29	11.15	12.11	12.25	12.33	---	11.17	10.96	10.97	10.58	10.58	11.17
25	11.35	11.13	12.17	12.16	12.25	---	11.12	10.95	10.95	10.57	10.57	11.14
26	11.38	11.12	12.12	12.11	12.35	---	11.14	10.94	10.93	10.55	10.56	11.13
27	11.32	11.11	12.03	12.06	12.44	---	11.17	10.94	10.90	10.53	10.55	11.12
28	11.26	11.18	11.95	11.98	12.42	---	11.25	10.94	10.89	10.51	10.53	11.11
29	11.22	11.48	11.93	11.95	---	---	11.23	10.93	10.87	10.48	10.52	11.08
30	11.19	11.48	11.90	11.91	---	---	11.21	10.92	10.85	10.45	10.50	11.05
31	11.17	---	11.89	11.88	---	---	---	10.90	---	10.44	10.49	---
MAX	11.38	11.48	12.17	12.85	12.56	---	11.76	11.21	11.58	10.85	10.64	11.27
MIN	10.65	11.07	11.29	11.77	11.74	---	11.12	10.90	10.85	10.44	10.31	10.30

RED RIVER BASIN

07349500 BODCAU BAYOU NEAR SAREPTA, LA

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

DRAINAGE AREA.--546 mi².

PERIOD OF RECORD.--October 1938 to September 1992 daily gage heights and discharges. October 1992 to current year (gage-heights and maximum peak discharge)..

REVISED RECORDS.--WSP 1211: Drainage area.

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

REMARKS.--Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft) 15 mi upstream.

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

AVERAGE DISCHARGE.--54 years (water years 1939-1992), 598 ft³/s, 433,300 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,460 ft/s, Feb. 18 and 19, gage height, 16.53 ft; minimum gage height, 2.20 ft, Aug. 2.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.85	5.84	8.97	13.54	15.30	10.44	4.77	5.03	3.45	2.29	2.29
2	---	2.71	5.69	8.69	13.32	15.07	10.36	4.69	7.11	3.45	2.22	2.28
3	---	2.63	5.73	8.55	13.04	14.69	10.20	4.80	10.01	3.51	2.23	2.27
4	---	2.53	5.91	8.50	12.78	14.36	9.93	5.45	13.09	3.48	2.29	2.27
5	---	3.20	6.03	8.52	12.42	14.19	9.70	5.82	14.12	3.42	2.37	2.26
6	---	3.90	5.91	9.26	11.96	14.07	9.52	5.30	14.25	3.37	2.42	2.27
7	---	4.18	5.73	11.45	11.41	14.21	9.28	4.94	14.02	3.33	2.76	2.30
8	2.37	3.67	6.09	13.69	10.79	14.51	8.14	4.79	13.41	3.28	2.72	2.29
9	2.40	3.29	6.62	14.96	10.17	14.47	6.47	4.72	12.45	3.29	2.63	2.28
10	2.38	3.10	7.02	15.13	10.12	14.21	5.78	4.41	11.22	3.26	2.44	2.25
11	2.41	3.00	6.89	14.93	11.70	13.77	5.65	4.11	9.92	3.18	2.52	2.38
12	2.40	3.09	6.55	14.98	14.02	13.20	5.50	4.06	8.70	3.14	2.74	4.09
13	2.93	3.67	6.23	15.41	15.51	12.62	5.33	4.04	7.64	3.19	3.12	5.48
14	3.12	5.90	6.00	15.91	15.77	12.09	5.19	3.95	6.83	3.32	3.32	4.73
15	2.81	7.04	5.89	16.08	15.72	11.66	5.13	3.89	6.14	3.24	2.90	5.13
16	2.59	7.43	5.85	16.01	15.85	11.83	5.08	3.84	5.55	3.11	2.62	6.15
17	2.50	7.46	5.83	15.88	16.24	13.19	5.03	3.79	5.14	3.06	2.48	6.06
18	2.46	7.38	5.83	15.79	16.49	14.25	4.99	3.75	4.69	3.00	2.41	5.10
19	2.45	7.28	5.81	15.64	16.47	14.75	4.96	3.71	4.19	2.95	2.38	4.09
20	2.44	7.19	5.77	15.36	16.18	14.69	4.93	3.66	3.93	2.88	2.36	3.42
21	2.47	7.11	6.74	14.97	15.74	14.37	4.90	3.63	3.86	2.86	2.36	3.04
22	2.61	7.02	7.63	14.69	15.25	13.93	4.87	3.60	3.79	2.83	2.36	3.23
23	2.95	6.95	8.70	14.49	14.78	13.57	4.83	3.56	3.75	2.81	2.36	3.71
24	3.74	6.89	11.04	14.34	14.38	13.40	4.78	3.53	3.71	2.76	2.34	3.10
25	3.74	6.81	11.21	14.06	14.02	13.24	4.72	3.50	3.66	2.74	2.33	2.81
26	3.68	6.34	11.64	13.73	14.16	12.96	4.66	3.50	3.62	2.73	2.36	2.67
27	3.39	5.31	11.77	13.46	14.70	12.52	4.70	3.65	3.58	2.69	2.32	2.56
28	3.17	4.94	11.46	13.39	15.21	11.99	4.92	3.78	3.54	2.64	2.29	2.51
29	2.97	5.37	10.84	13.51	---	11.41	4.94	3.90	3.50	2.62	2.29	2.47
30	2.99	5.72	10.10	13.62	---	10.86	4.86	4.34	3.48	2.57	2.29	2.45
31	2.98	---	9.44	13.65	---	10.63	---	4.44	---	2.41	2.30	---
MAX	---	7.46	11.77	16.08	16.49	15.30	10.44	5.82	14.25	3.51	3.32	6.15
MIN	---	2.53	5.69	8.50	10.12	10.63	4.66	3.50	3.48	2.41	2.22	2.25

RED RIVER BASIN

07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in NE 1/4 SW 1/4 sec.12, T.19 N., R.13 W., Bossier Parish, Hydrologic Unit 11140204, attached to pier of catwalk to diversion structure about 4,500 ft northwest of spillway, and 5.0 mi southeast of Benton.

DRAINAGE AREA.--163 mi²

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

GAGE.--Water-stage recorder. Datum of the gage is 170.00 ft above sea level (levels by Louisiana Department of Transportation and Development).

REMARKS.--Reservoir is formed by a 6,000-ft earthfill dam on Cypress Bayou. The 250-ft concrete spillway with crest at 9.60 ft, gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft. A 6- by 6-ft sluice gate with sill at -15.5 ft, gage datum, is located at diversion structure 4,500 ft northwest of spillway. Water from Cypress Bayou Lake is diverted into Black Bayou Lake by way of this structure. Dam completed and storage began in 1975. Reservoir is used for flood control, conservation, and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.14 ft., Apr. 15, 1991; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 10.57 ft. Mar. 19; minimum gage height 7.42 ft. Sep. 11

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.56	9.14	9.64	9.86	9.96	10.48	9.88	9.57	9.24	8.60	7.92	7.69
2	8.54	9.14	9.65	9.82	9.99	10.39	9.91	9.56	9.20	8.59	7.90	7.67
3	8.53	9.11	9.70	9.80	9.98	10.26	9.92	9.60	9.17	8.57	7.87	7.64
4	8.51	9.09	9.68	9.77	9.94	10.13	9.86	9.61	9.16	8.56	7.86	7.61
5	8.50	9.20	9.69	9.77	9.90	10.05	9.81	9.61	9.20	8.54	7.88	7.58
6	8.49	9.29	9.68	9.92	9.86	9.98	9.77	9.61	9.19	8.51	8.00	7.56
7	8.47	9.31	9.68	10.27	9.83	9.97	9.74	9.60	9.15	8.49	8.04	7.54
8	8.46	9.32	9.75	10.40	9.80	10.12	9.74	9.60	9.11	8.47	8.04	7.52
9	8.46	9.33	9.76	10.48	9.77	10.20	9.72	9.58	9.10	8.44	8.02	7.50
10	8.45	9.34	9.79	10.46	9.89	10.27	9.71	9.56	9.08	8.42	8.00	7.45
11	8.44	9.35	9.77	10.37	10.27	10.25	9.70	9.53	9.06	8.39	7.98	7.49
12	8.41	9.40	9.74	10.39	10.35	10.17	9.67	9.51	9.05	8.36	7.99	7.82
13	8.57	9.47	9.72	10.34	10.44	10.07	9.65	9.50	9.03	8.40	8.03	7.98
14	8.58	9.51	9.69	10.30	10.42	9.99	9.65	9.49	9.00	8.39	8.04	8.01
15	8.57	9.54	9.67	10.31	10.33	9.94	9.64	9.48	8.99	8.36	8.03	8.12
16	8.55	9.56	9.65	10.27	10.28	10.04	9.64	9.48	8.96	8.35	8.02	8.21
17	8.53	9.57	9.64	10.22	10.27	10.35	9.62	9.46	8.93	8.32	8.00	8.26
18	8.52	9.57	9.63	10.16	10.26	10.46	9.61	9.45	8.90	8.30	7.98	8.29
19	8.50	9.57	9.62	10.11	10.27	10.54	9.60	9.43	8.89	8.27	7.97	8.30
20	8.50	9.57	9.61	10.03	10.25	10.46	9.59	9.40	8.86	8.24	7.95	8.31
21	8.53	9.57	9.84	9.99	10.20	10.33	9.60	9.39	8.83	8.21	7.93	8.31
22	8.58	9.57	9.91	10.11	10.16	10.20	9.58	9.36	8.81	8.18	7.93	8.31
23	8.64	9.57	10.02	10.14	10.13	10.09	9.56	9.34	8.79	8.15	7.90	8.30
24	8.95	9.56	10.35	10.17	10.08	10.00	9.54	9.33	8.76	8.13	7.88	8.28
25	9.02	9.55	10.34	10.17	10.04	9.92	9.51	9.32	8.73	8.10	7.86	8.26
26	9.10	9.55	10.32	10.16	10.30	9.87	9.51	9.31	8.70	8.07	7.84	8.25
27	9.11	9.54	10.28	10.12	10.44	9.84	9.56	9.31	8.68	8.05	7.82	8.25
28	9.11	9.57	10.20	10.07	10.48	9.83	9.59	9.30	8.66	8.03	7.80	8.24
29	9.12	9.63	10.12	10.05	---	9.80	9.58	9.30	8.64	7.99	7.77	8.22
30	9.13	9.63	10.01	10.02	---	9.77	9.58	9.28	8.62	7.97	7.74	8.20
31	9.14	---	9.93	9.96	---	9.88	---	9.26	---	7.95	7.71	---
MAX	9.14	9.63	10.35	10.48	10.48	10.54	9.92	9.61	9.24	8.60	8.04	8.31
MIN	8.41	9.09	9.61	9.77	9.77	9.77	9.51	9.26	8.62	7.95	7.71	7.45

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA

LOCATION.--Lat 32°26'50", long 93°35'40", SW 1/4 NW 1/4 sec.22, T.17 N., R.12 W., Bossier Parish, Hydrologic unit 11140204, on downstream side of bridge on State Highway 612, 0.5 mi west of Sligo.

DRAINAGE AREA.--980 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 120.00 ft above sea level. Dec. 1, 1959 to July 10, 1980, crest-stage indicator at same site. Dec. 1, 1966 to July 10, 1980 at datum 121.26 ft lower and prior to Dec. 1, 1966 at sea level.

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	86	403	1270	2490	3540	2910	929	60	207	14	12
2	26	60	412	1260	2610	3440	2880	861	58	142	13	11
3	23	38	444	1250	2630	3360	2830	805	58	92	12	11
4	21	25	451	1240	2590	3290	2770	735	62	68	11	10
5	20	35	442	1220	2510	3220	2710	666	72	60	9.3	9.4
6	18	104	444	1540	2430	3170	2640	600	90	57	10	8.7
7	17	150	448	2490	2370	3150	2560	537	125	55	16	8.3
8	17	175	524	2790	2340	3250	2510	479	190	52	22	8.0
9	17	168	524	2410	2290	3250	2450	428	270	48	21	7.6
10	17	145	528	2160	2380	3250	2380	378	364	45	19	7.2
11	16	117	509	2090	2770	3210	2310	342	452	41	20	10
12	16	94	495	2360	2830	3160	2230	300	534	39	26	104
13	42	95	495	2470	2880	3110	2160	258	611	41	26	140
14	47	122	480	2530	2820	3070	2110	221	669	40	38	145
15	38	152	460	2510	2760	3040	2060	187	710	41	55	212
16	50	169	431	2460	2780	3160	2000	159	738	45	64	224
17	60	155	416	2420	2870	3520	1940	136	754	49	64	249
18	52	122	403	2380	2920	3580	1880	121	756	48	58	252
19	42	108	390	2340	2940	3610	1820	109	749	44	50	249
20	31	127	393	2290	3000	3550	1760	99	732	39	42	243
21	23	191	600	2280	2970	3480	1710	91	706	35	37	237
22	23	233	638	2490	2960	3410	1640	85	674	31	32	229
23	50	262	766	2530	2970	3350	1560	80	636	28	29	220
24	390	282	1340	2560	2960	3300	1480	76	593	26	26	211
25	322	300	1390	2540	2930	3240	1410	74	545	25	23	195
26	356	310	1360	2510	3240	3200	1330	70	492	23	20	174
27	293	320	1300	2490	3500	3150	1240	69	439	21	17	151
28	225	335	1290	2480	3600	3090	1150	67	385	20	15	126
29	180	370	1270	2460	---	3040	1070	65	327	18	13	112
30	143	384	1280	2450	---	2960	994	64	270	17	13	95
31	114	---	1280	2420	---	2960	---	62	---	15	13	---
TOTAL	2717	5234	21606	68690	78340	101110	60494	9153	13121	1512	828.3	3671.2
MEAN	87.6	174	697	2216	2798	3262	2016	295	437	48.8	26.7	122
MAX	390	384	1390	2790	3600	3610	2910	929	756	207	64	252
MIN	16	25	390	1220	2290	2960	994	62	58	15	9.3	7.2
AC-FT	5390	10380	42860	136200	155400	200600	120000	18150	26030	3000	1640	7280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1998, BY WATER YEAR (WY)

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1998, BY WATER YEAR (WY)

MEAN	149	436	978	1453	1920	2102	1809	1291	1002	705	264	115
MAX	724	2001	2119	2991	3185	4355	4827	4244	2567	3288	2130	419
(WY)	1985	1985	1992	1988	1997	1997	1997	1991	1989	1989	1989	1989
MIN	6.97	22.0	47.0	68.8	79.8	44.6	152	71.7	14.5	21.8	14.1	4.24
(WY)	1989	1981	1981	1981	1996	1996	1996	1982	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1980 - 1998		
ANNUAL TOTAL	677059			366476.5					
ANNUAL MEAN	1855			1004			1015		
HIGHEST ANNUAL MEAN							2068		
LOWEST ANNUAL MEAN							206		
HIGHEST DAILY MEAN	6370			Apr 6	3610	Mar 19	6630	Apr 15	1991
LOWEST DAILY MEAN	16			Oct 11	7.2	Sep 10	2.2	Oct 5	1982
ANNUAL SEVEN-DAY MINIMUM	17			Oct 6	8.5	Sep 4	2.8	Sep 30	1982
INSTANTANEOUS PEAK FLOW					3630	Mar 19	6800	Apr 14	1991
INSTANTANEOUS PEAK STAGE					32.19	Mar 19	38.26	Apr 14	1991
INSTANTANEOUS LOW FLOW					7.1	Sep 10			not determined
ANNUAL RUNOFF (AC-FT)	1343000			726900			735600		
10 PERCENT EXCEEDS	4710			2960			2660		
50 PERCENT EXCEEDS	1360			364			468		
90 PERCENT EXCEEDS	35			20			22		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.92	16.84	19.79	24.76	29.41	31.98	30.48	23.03	16.47	18.17	15.60	15.41
2	15.88	16.47	19.85	24.71	29.71	31.75	30.40	22.66	16.44	17.51	15.58	15.37
3	15.83	16.11	20.09	24.65	29.75	31.58	30.27	22.35	16.45	16.92	15.55	15.36
4	15.80	15.85	20.13	24.58	29.66	31.40	30.11	21.95	16.50	16.59	15.52	15.34
5	15.76	16.03	20.07	24.51	29.46	31.25	29.96	21.54	16.65	16.47	15.47	15.32
6	15.72	17.07	20.09	25.94	29.26	31.11	29.78	21.13	16.90	16.42	15.50	15.30
7	15.70	17.60	20.11	29.36	29.11	31.07	29.60	20.72	17.31	16.39	15.65	15.29
8	15.70	17.86	20.64	30.16	29.01	31.31	29.45	20.33	18.00	16.35	15.79	15.27
9	15.71	17.78	20.63	29.19	28.89	31.30	29.32	19.97	18.74	16.29	15.78	15.25
10	15.72	17.55	20.66	28.52	29.12	31.31	29.13	19.60	19.50	16.23	15.74	15.24
11	15.71	17.23	20.54	28.25	30.11	31.21	28.94	19.33	20.14	16.17	15.75	15.35
12	15.71	16.95	20.44	29.06	30.28	31.08	28.73	18.99	20.70	16.12	15.87	16.85
13	16.19	16.96	20.44	29.35	30.41	30.97	28.53	18.63	21.19	16.17	15.89	17.48
14	16.31	17.28	20.34	29.52	30.26	30.88	28.36	18.30	21.55	16.16	16.11	17.54
15	16.17	17.62	20.20	29.47	30.10	30.79	28.14	17.97	21.80	16.16	16.39	18.22
16	16.38	17.80	19.99	29.34	30.13	31.09	27.91	17.69	21.97	16.23	16.54	18.33
17	16.51	17.66	19.89	29.23	30.38	31.93	27.67	17.45	22.06	16.29	16.53	18.55
18	16.41	17.29	19.79	29.14	30.49	32.07	27.43	17.27	22.07	16.28	16.44	18.58
19	16.25	17.12	19.69	29.03	30.56	32.15	27.17	17.13	22.03	16.22	16.28	18.56
20	16.05	17.34	19.72	28.88	30.70	32.00	26.91	17.01	21.93	16.13	16.13	18.51
21	15.89	18.01	21.12	28.86	30.62	31.85	26.71	16.91	21.78	16.05	16.02	18.45
22	15.90	18.42	21.37	29.41	30.59	31.69	26.43	16.83	21.59	15.99	15.92	18.38
23	16.21	18.67	22.10	29.50	30.63	31.55	26.06	16.77	21.36	15.93	15.85	18.30
24	19.68	18.84	25.07	29.58	30.59	31.42	25.71	16.71	21.08	15.88	15.79	18.21
25	19.17	18.99	25.30	29.54	30.53	31.29	25.41	16.68	20.77	15.85	15.71	18.06
26	19.43	19.07	25.17	29.46	31.28	31.20	25.01	16.62	20.42	15.81	15.62	17.85
27	18.93	19.15	24.88	29.42	31.89	31.06	24.59	16.61	20.05	15.78	15.55	17.61
28	18.34	19.27	24.82	29.39	32.11	30.93	24.17	16.58	19.66	15.75	15.49	17.33
29	17.91	19.54	24.76	29.34	---	30.79	23.75	16.55	19.21	15.70	15.46	17.17
30	17.53	19.65	24.79	29.30	---	30.61	23.38	16.53	18.74	15.68	15.44	16.95
31	17.20	---	24.80	29.24	---	30.59	---	16.50	---	15.64	15.42	---
MAX	19.68	19.65	25.30	30.16	32.11	32.15	30.48	23.03	22.07	18.17	16.54	18.58
MIN	15.70	15.85	19.69	24.51	28.89	30.59	23.38	16.50	16.44	15.64	15.42	15.24

RED RIVER BASIN

07350500 RED RIVER AT COUSHATTA, LA

LOCATION.--Lat 32°00'45", long 93°21'10", in lot 23, T. 12 N., R. 10 W., Red River Parish, Hydrologic Unit 08040301 at bridge on U.S. Highway 84 at Coushatta, 11.0 mi downstream from Coushatta Bayou, and at mile 242.4.

DRAINAGE AREA.--63,362 mi².

PERIOD OF RECORD.--Water years 1970-1976, 1987 to current year.

REMARKS.--Water-quality samples are non-integrated and collected from center span of bridge. All dissolved constituents are results from water that has be filtered through 0.45 micron filters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 29...	1035	656	7.46	17.0	20	28	9.3	20	1.0	K90	K30
NOV 17...	1225	534	7.65	12.0	10	26	10.3	10	1.9	230	56
DEC 30...	1120	288	7.61	7.0	60	220	9.3	10	--	210	180
JAN 28...	1040	693	7.42	8.0	5	100	10.8	--	.7	K320	140
FEB 26...	1230	421	7.12	15.7	30	43	10.6	20	1.6	250	K43
MAR 24...	1300	453	7.40	14.0	30	210	12.8	20	4.5	K140	110
APR 28...	1200	970	8.20	20.0	5	22	9.4	10	2.0	K88	K22
JUN 02...	1130	654	7.78	25.3	15	38	6.6	20	--	--	88
JUL 30...	1400	892	8.49	29.0	10	2.9	6.4	10	--	--	K2
JUL 22...	1445	872	8.71	30.2	5	2.8	--	10	--	K170	K6
AUG 27...	1400	1180	8.61	31.0	15	1.7	12.2	10	5.9	K16	K4
SEP 28...	1125	362	8.25	27.0	10	7.1	7.8	10	--	33	K24

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

RED RIVER BASIN
07350500 RED RIVER AT COUSHATTA, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT 29...	52	170	45	15	66	3.8	104	93	83	.20
NOV 17...	K23	140	36	11	51	3.2	71	80	65	.10
DEC 30...	220	82	24	5.4	21	2.7	54	37	27	.12
JAN 28...	<4	170	45	14	63	3.2	62	120	86	.13
FEB 26...	K24	110	30	8.8	37	2.6	51	66	52	.11
MAR 24...	K220	120	34	8.5	37	2.4	62	70	56	.13
APR 28...	80	270	70	22	92	3.7	124	160	140	.21
JUN 02...	910	170	46	14	59	3.3	96	87	79	.15
JUL 30...	K2	240	63	21	81	4.0	148	120	120	.19
AUG 22...	K1	230	54	23	86	4.1	146	120	120	.22
SEP 27...	K2	300	74	28	130	4.4	136	190	170	.24
SEP 28...	K5	97	26	7.8	29	2.6	69	42	41	.12

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 29...	400	368	29	.014	.11	.07	.62	.11	.06	7.9
NOV 17...	308	289	27	<.010	.14	.07	.51	.09	.03	5.7
DEC 30...	172	150	220	.016	.22	.12	.91	.21	.12	11
JAN 28...	384	369	120	.012	.21	.05	.47	.13	.05	6.8
FEB 26...	250	227	46	<.010	.16	.05	.62	.06	.04	7.5
MAR 24...	298	245	230	.012	.21	.05	.86	.16	.06	9.6
APR 28...	590	562	34	.015	.11	.04	.35	.06	.02	6.4
JUN 02...	364	346	40	.048	.39	.12	.60	.06	.06	6.4
JUL 30...	542	498	9	<.010	<.02	.09	1.1	.06	.02	8.4
AUG 22...	502	495	9	<.010	<.02	.04	1.8	.18	.05	12
SEP 27...	720	678	6	<.010	<.02	.02	.60	.04	.01	7.5
SEP 28...	220	190	19	.016	.14	.01	.76	.08	.04	--

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

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

RED RIVER BASIN
07350500 RED RIVER AT COUSHATTA, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
OCT 29...	2.0	<.5	<1.0	<1.0	2.0	550	1.0	140
JAN 28...	1.0	<.5	<1.0	3.0	5.0	2600	3.0	96
APR 28...	1.0	<.5	<1.0	<1.0	2.0	470	<1.0	97
JUL 22...	3.7	<.5	<1.0	<1.0	2.3	37	1.0	52

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (UG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)
OCT 29...	<.1	2.0	<1.0	4.4	<.01	<1	<1
JAN 28...	<.1	4.0	<1.0	10	--	<1	<1
APR 28...	<.1	2.0	<1.0	<1.0	<.01	3	<1
JUL 22...	<.1	1.5	<1.0	5.8	<.01	<1	2

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

RED RIVER BASIN

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

MEAN	28.0	50.8	104	159	200	134	123	114	55.3	16.3	20.5	4.40
MAX	370	437	534	649	452	388	603	517	436	196	454	106
(WY)	1950	1941	1941	1946	1990	1997	1997	1953	1986	1989	1955	1996
MIN	.000	.000	.000	3.26	5.73	4.57	5.19	.85	.000	.000	.000	.000
(WY)	1940	1940	1957	1956	1943	1986	1943	1998	1998	1954	1943	1939

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1939 - 1998		
ANNUAL TOTAL	60997.05			34865.95					
ANNUAL MEAN	167			95.5			84.1		
HIGHEST ANNUAL MEAN							168		
LOWEST ANNUAL MEAN							3.59		
HIGHEST DAILY MEAN	13400	Apr	5	3360	Jan	7	13400	Apr	5
LOWEST DAILY MEAN	.00	Jul	11	.00	Oct	5	.00	Jun	15
ANNUAL SEVEN-DAY MINIMUM	.00	Jul	11	.00	May	18	.00	Jun	15
INSTANTANEOUS PEAK FLOW				4670	Jan	12	26100	Apr	5
INSTANTANEOUS PEAK STAGE				11.09	Jan 7, 12		13.62	Aug	3
INSTANTANEOUS LOW FLOW				.00	many days		.00	at times	most years
INSTANTANEOUS LOW STAGE				.65	Aug 4, 5				
ANNUAL RUNOFF (AC-FT)	121000			69160			60950		
ANNUAL RUNOFF (CFSM)	2.53			1.45			1.27		
ANNUAL RUNOFF (INCHES)	34.38			19.65			17.32		
10 PERCENT EXCEEDS	353			187			116		
50 PERCENT EXCEEDS	10			2.7			4.8		
90 PERCENT EXCEEDS	.00			.00			.00		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	2.43	2.46	2.29	3.36	3.83	5.12	1.53	1.78	1.01	.67	1.98
2	1.97	2.49	2.15	2.19	8.22	3.18	2.93	1.44	1.73	1.02	.66	1.95
3	1.94	2.41	3.22	2.20	5.80	2.81	2.40	1.40	1.61	1.01	.66	1.93
4	1.91	2.40	4.43	2.21	4.08	2.60	2.14	1.37	1.54	.99	.65	1.90
5	1.89	2.51	2.99	2.54	3.33	2.52	1.97	1.38	1.51	.98	.78	1.87
6	1.88	2.95	2.44	7.48	2.92	2.48	1.88	1.58	1.50	.95	1.15	1.84
7	1.89	2.71	2.20	10.94	2.64	3.69	1.86	1.69	1.47	.93	1.85	1.82
8	2.02	2.49	6.18	9.58	2.46	9.67	1.82	1.76	1.45	.90	1.82	1.80
9	2.08	2.38	5.94	6.07	2.35	6.83	1.77	1.78	1.63	.88	1.78	1.77
10	2.13	2.42	3.58	4.11	3.89	3.90	1.71	1.78	1.64	.86	1.79	1.74
11	2.20	2.64	2.82	3.57	10.36	3.13	1.62	1.78	1.58	.84	1.81	1.79
12	2.25	2.63	2.38	9.73	7.50	2.77	1.56	1.78	1.52	.82	1.82	2.28
13	2.40	3.00	2.14	9.25	4.32	2.56	1.52	1.81	1.49	.84	1.85	4.14
14	2.70	3.54	2.05	5.47	3.69	2.53	1.51	1.86	1.47	.84	1.88	4.64
15	2.33	2.81	1.98	4.88	3.28	2.62	1.52	1.90	1.43	.83	1.90	2.77
16	2.20	2.51	1.97	4.38	7.10	4.94	1.51	1.91	1.38	.84	2.12	2.56
17	2.21	2.36	1.94	3.60	8.82	10.25	1.46	1.92	1.35	.85	2.15	2.06
18	2.26	2.22	1.93	3.14	6.84	7.14	1.45	1.92	1.32	.84	2.15	1.75
19	2.30	2.14	1.92	2.89	4.51	4.14	1.60	1.92	1.27	.83	2.13	1.77
20	2.33	2.15	1.95	2.68	4.07	3.33	1.62	1.89	1.24	.82	2.12	1.79
21	2.36	2.23	7.92	3.88	3.41	2.85	1.53	1.89	1.21	.80	2.11	1.81
22	2.41	2.25	9.37	9.05	4.83	2.60	1.48	1.87	1.18	.79	2.15	1.84
23	2.81	2.29	5.71	8.45	8.78	2.43	1.45	1.86	1.15	.77	2.13	1.80
24	8.56	2.31	10.24	4.81	5.15	2.32	1.55	1.87	1.12	.75	2.11	1.81
25	6.14	2.33	8.50	3.70	3.81	2.22	1.50	1.86	1.09	.75	2.08	1.86
26	2.65	2.36	4.49	3.38	7.76	2.13	1.47	1.87	1.07	.75	2.05	1.87
27	2.26	2.41	3.69	3.43	9.94	2.14	1.57	1.88	1.05	.74	2.02	1.86
28	2.04	2.51	3.27	3.04	5.81	2.09	1.91	1.85	1.04	.72	1.99	1.87
29	1.96	3.36	2.92	2.78	---	2.05	1.86	1.83	1.03	.71	1.97	1.86
30	2.15	3.07	2.66	2.63	---	1.98	1.66	1.82	1.01	.70	2.01	1.86
31	2.29	---	2.44	2.49	---	4.23	---	1.79	---	.68	2.00	---
MAX	8.56	3.54	10.24	10.94	10.36	10.25	5.12	1.92	1.78	1.02	2.15	4.64
MIN	1.88	2.14	1.92	2.19	2.35	1.98	1.45	1.37	1.01	.68	.65	1.74

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA

LOCATION.--Lat 31°53'40", long 93°20'30", in E 1/2 sec.36, T.11 N., R.10 W., Natchitoches Parish, Hydrologic Unit 11140206, near left bank on downstream side of bridge on State Highway 174, 1/2 mi downstream from Jims River, and 2.9 mi southwest of Lake End.

DRAINAGE AREA.--860 mi².

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

GAGE.--Water stage recorder. Datum of gage is 90.00 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to September 1980, nonrecording gage at same site. Water stage recorder for Bayou Pierre near Powhatan (station 07351755) used as auxiliary gage for this station at datum 83.61 ft above sea level.

REMARKS.--Records fair except for estimated discharge, which is poor. No base gage-height record July 14-15. Indefinite stage-discharge relationship, October 15-20, and March 30 to September 11.

AVERAGE DISCHARGE.--18 years, 1028 ft³/s, 744,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft³/s, May 18, 1989, gage height, 33.58 ft; maximum gage height, 33.63 ft, May 19, 1989; minimum daily discharge, 12 ft³/s, June 10, 11, 15, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,440 ft³/s, Jan. 9, gage height, 27.59 ft; maximum gage height, 27.63 ft.; minimum gage height, 4.73 ft, Oct 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	686	2240	1860	2160	4460	e976	e231	e151	e99	e85	e91
2	97	527	1690	1470	4340	3620	e936	e208	e145	e95	e85	e88
3	90	391	1470	1170	4580	2740	e893	e178	e138	e98	e103	e89
4	92	280	1990	961	4230	2300	e881	e161	e123	e106	e98	e97
5	92	230	2100	844	3640	2140	e845	e155	e117	e106	e85	e91
6	93	231	1800	2110	3030	1920	e779	e146	e131	e105	e91	e99
7	91	304	1350	6760	2430	1950	e622	e137	e116	e99	e98	e99
8	93	273	1620	8700	1780	2630	e531	e133	e115	e99	e96	e92
9	92	256	1980	9360	1350	3480	e486	e119	e106	e103	e96	e87
10	90	232	2040	9190	1150	3620	e406	e110	e112	e103	e95	e187
11	101	237	1800	8470	1390	3290	e369	e114	e106	e105	e93	e460
12	107	235	1390	8030	2080	2620	e346	e108	e98	e107	e96	1140
13	106	244	1020	7590	2440	1940	e278	e112	e100	e106	e100	1800
14	119	325	820	7360	2220	1530	e241	e106	e95	e108	e103	1630
15	e180	373	679	7130	1890	1380	e212	e104	e84	e100	e96	1430
16	e190	391	523	6620	2270	1570	e201	e102	e103	e95	e103	1650
17	e175	347	428	5910	3020	3100	e181	e108	e96	e101	e93	1460
18	e145	318	381	4890	3500	4140	e180	e106	e99	e96	e97	1170
19	e118	299	346	3560	3500	4310	e185	e112	e108	e97	e89	889
20	e126	288	289	2620	3110	3470	e174	e107	e103	e98	e90	727
21	117	249	2300	2050	2600	2500	e170	e99	e100	e95	e100	621
22	97	232	3940	2650	2370	1870	e173	e87	e100	e88	e90	549
23	191	218	4650	3300	2800	1470	e169	e89	e94	e90	e97	492
24	2610	204	5750	3350	3020	1270	e157	e92	e94	e97	e90	460
25	4380	175	6070	3090	3060	1140	e164	e93	e87	e96	e81	437
26	4780	178	6300	2590	3100	1070	e153	e101	e86	e91	e84	421
27	4160	171	6060	2080	3700	1050	e150	e105	e98	e86	e93	388
28	3000	179	5070	1710	4390	1020	e193	e97	e109	e92	e95	346
29	1940	1110	3800	1440	---	1020	e261	e98	e107	e90	e83	300
30	1240	2230	3060	1220	---	e1060	e263	e127	e98	e99	e92	275
31	881	---	2410	1070	---	e999	---	e142	---	e98	e91	---
TOTAL	25683	11413	75366	129155	79150	70679	11575	3787	3219	3048	2888	17665
MEAN	828	380	2431	4166	2827	2280	386	122	107	98.3	93.2	589
MAX	4780	2230	6300	9360	4580	4460	976	231	151	108	103	1800
MIN	90	171	289	844	1150	999	150	87	84	86	81	87
AC-FT	50940	22640	149500	256200	157000	140200	22960	7510	6380	6050	5730	35040
CAL YR 1997	TOTAL 606377		MEAN 1661		MAX 9400		MIN 83		AC-FT 1203000			
WTR YR 1998	TOTAL 433628		MEAN 1188		MAX 9360		MIN 81		AC-FT 860100			

e Estimated

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.89	7.02	11.68	13.25	17.44	20.07	15.03	6.86	7.10	5.50	5.19	5.33
2	4.93	6.43	10.11	12.60	20.74	19.20	14.80	6.84	6.83	5.33	5.20	5.27
3	4.89	5.86	9.56	12.41	20.88	18.03	14.90	6.62	6.58	5.42	5.66	5.34
4	5.09	5.67	10.98	12.29	20.02	16.87	15.03	6.66	6.09	5.58	5.54	5.48
5	5.05	5.67	11.29	12.30	18.30	15.44	14.86	6.66	5.97	5.59	5.22	5.37
6	4.94	5.74	10.49	15.34	16.16	14.19	14.14	6.46	6.15	5.59	5.36	5.55
7	5.09	5.77	9.38	23.55	14.14	14.21	13.41	6.26	5.63	5.44	5.53	5.55
8	5.16	6.09	10.32	26.33	12.72	15.49	13.10	6.22	5.65	5.47	5.49	5.37
9	5.01	6.16	11.27	27.42	11.57	17.02	12.68	5.69	5.55	5.58	5.49	5.20
10	5.11	6.02	11.55	27.55	11.00	17.07	12.03	5.78	5.79	5.60	5.43	5.04
11	5.24	5.90	11.15	27.16	11.86	15.64	11.28	5.75	5.56	5.66	5.37	5.19
12	5.00	5.88	10.61	27.04	13.75	13.96	10.18	5.67	5.43	5.66	5.47	9.13
13	5.37	6.12	10.28	26.93	15.48	12.89	9.12	5.79	5.45	5.63	5.58	10.67
14	5.07	6.14	9.79	26.91	16.48	12.66	8.34	5.62	5.33	---	5.67	10.04
15	5.16	6.33	8.97	26.83	16.52	12.51	8.08	5.61	5.09	---	5.43	9.34
16	5.37	6.11	8.40	26.48	17.10	13.03	7.68	5.58	5.51	5.50	5.64	10.10
17	5.22	6.05	7.93	25.86	17.88	16.62	7.24	5.78	5.33	5.60	5.32	9.49
18	5.37	6.00	7.37	24.92	18.40	19.10	7.16	5.73	5.48	5.46	5.51	8.75
19	5.19	6.01	6.71	23.49	18.10	19.79	7.10	5.92	5.70	5.52	5.28	8.15
20	5.25	5.83	6.21	22.00	17.09	19.28	6.75	5.70	5.54	5.52	5.33	7.73
21	4.97	5.79	11.97	20.61	15.88	18.50	7.00	5.44	5.48	5.44	5.53	7.43
22	5.15	5.72	15.81	20.82	15.60	17.80	7.04	5.13	5.48	5.22	5.29	7.01
23	5.50	5.68	17.72	21.23	16.45	17.40	6.83	5.21	5.34	5.33	5.51	6.91
24	12.61	5.46	20.28	21.17	16.76	17.28	6.72	5.33	5.29	5.53	5.32	6.98
25	16.67	5.35	21.21	20.58	16.44	17.31	6.83	5.31	5.07	5.46	5.09	6.96
26	17.60	5.50	22.01	19.56	16.41	17.47	6.55	5.60	5.05	5.35	5.18	6.85
27	16.18	5.16	21.92	18.47	17.92	17.54	6.46	5.68	5.40	5.24	5.44	6.57
28	13.58	5.56	20.47	17.56	19.51	17.40	6.85	5.44	5.73	5.37	5.49	6.27
29	10.82	8.51	18.19	16.77	---	17.02	7.04	5.51	5.59	5.33	5.14	5.90
30	8.87	11.64	16.05	16.23	---	16.35	6.95	6.38	5.45	5.60	5.37	5.91
31	7.65	---	14.36	15.87	---	15.53	---	6.82	---	5.55	5.37	---
MAX	17.60	11.64	22.01	27.55	20.88	20.07	15.03	6.86	7.10	---	5.67	10.67
MIN	4.89	5.16	6.21	12.29	11.00	12.51	6.46	5.13	5.05	---	5.09	5.04

RED RIVER BASIN

07351930 RED RIVER AT GRAND ECORE, LA

LOCATION.--Lat 31°49'05", long 93°05'05" in NE 1/4 sec. 51, T. 10 N., R. 7 W., Natchitoches Parish, Hydrologic Unit 1114027, at bridge on State Highway 6 at Grand Ecore, and 4.0 mi north of Natchitoches.

DRAINAGE AREA.--64,575 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1988 to current year.

REMARKS.--Water-quality samples are non-integrated and collected from center span of bridge. All constituents are results from water that has been filtered through 0.45 micron filters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 29...	1155	576	7.29	17.5	10	32	9.2	20	.1	K100	46
NOV 17...	1340	473	7.72	13.0	5	25	10.8	10	2.2	K44	K20
DEC 30...	1320	237	7.54	8.5	50	220	8.9	10	--	660	--
JAN 28...	1220	668	7.37	10.0	20	100	10.4	10	.7	600	150
FEB 26...	1400	392	7.10	14.0	30	44	10.6	20	1.6	260	K120
MAR 24...	1445	406	7.35	15.2	30	210	13.2	20	4.8	K150	96
APR 28...	1340	1020	8.16	20.0	15	24	9.7	<10	1.9	K140	K80
JUN 02...	1320	1060	8.22	29.0	20	12	9.1	10	--	--	K9
JUL 01...	1300	784	7.97	30.0	10	1.8	9.2	10	--	--	K4
AUG 22...	1655	861	8.44	27.5	10	1.2	--	10	--	K60	K1
AUG 27...	1230	1200	8.14	29.0	15	2.9	6.4	10	2.4	K4	K2
SEP 28...	1235	407	8.04	27.0	10	6.9	7.2	--	--	K60	K52

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

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

RED RIVER BASIN
07351930 RED RIVER AT GRAND ECORE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L ASF) (00950)
OCT 29...	95	150	39	13	57	3.9	82	82	69	.20
NOV 17...	K5	150	40	12	56	3.3	73	92	75	.20
DEC 30...	320	76	22	5.2	18	2.7	52	32	24	.12
JAN 28...	--	170	45	14	60	3.2	61	120	86	.13
FEB 26...	K28	100	28	8.3	34	2.5	47	60	47	.10
MAR 24...	K120	110	32	7.8	32	2.4	63	61	48	.13
APR 28...	K30	280	73	23	96	3.9	129	170	150	.21
JUN 02...	K27	290	76	24	99	4.0	166	160	140	.23
JUL 01...	K4	210	55	18	73	4.0	136	99	91	.17
JUL 22...	<1	240	59	22	82	4.3	166	110	100	.23
AUG 27...	K4	310	78	29	130	4.6	144	200	180	.24
SEP 28...	K7	100	27	8.5	34	2.9	73	49	47	.12

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L ASC) (00680)
OCT 29...	342	313	30	.016	.14	.08	.66	.14	.08	7.7
NOV 17...	342	322	29	<.010	.14	.09	.60	.09	.04	6.1
DEC 30...	180	135	180	<.010	.20	.07	.29	.04	.02	9.5
JAN 28...	390	365	110	.012	.20	.06	.50	.12	.05	7.1
FEB 26...	232	208	47	<.010	.15	.05	.56	.06	.04	7.4
MAR 24...	258	221	220	.011	.20	.05	.89	.17	.07	9.6
APR 28...	610	593	36	.014	.17	.03	.45	.06	.03	6.5
JUN 02...	640	603	26	.016	.14	.03	.55	.04	.03	6.2
JUL 01...	436	422	8	<.010	<.02	<.01	.54	<.02	.02	--
JUL 22...	504	477	3	<.010	<.02	.02	.65	.05	.01	8.1
AUG 27...	738	708	7	<.010	<.02	.02	.73	.06	.02	7.8
SEP 28...	242	212	21	.024	.14	.01	.75	.09	.04	--

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

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

RED RIVER BASIN

07351930 RED RIVER AT GRAND Ecore, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM WATER TOTAL UNFLTRD (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
OCT 29...	2.0	<.5	<1.0	<1.0	2.0	730	1.0	100
JAN 28...	1.0	<.5	<1.0	3.0	4.0	2500	3.0	95
APR 28...	1.0	<.5	<1.0	<1.0	2.0	530	1.0	120
JUL 22...	4.9	<.5	<1.0	<1.0	1.4	65	<1.0	77

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (UG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)
OCT 29...	<.1	2.0	<1.0	5.6	<.01	<1	<1
JAN 28...	<.1	4.0	<1.0	9.0	<.01	<1	<1
APR 28...	<.1	2.0	<1.0	1.2	<.01	<1	<1
JUL 22...	<.1	1.1	<1.0	3.4	<.01	--	1
AUG 27...	--	--	--	--	--	<1	--

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

RED RIVER BASIN

07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 32°15'00", long 92°58'35", in SW 1/4 sec.27, T.15 N., R.6 W., Bienville Parish, Hydrologic Unit 11140208, near center of span on downstream side of bridge on State Highway 4, 0.7 mi downstream from Sixmile Creek, and 1.0 mi east of Lucky.

DRAINAGE AREA.--154 mi².

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

REVISED RECORDS.--WSP 1177: Drainage area.

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

REMARKS.--No estimated daily discharge. Records good. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,000 ft³/s and maximum (*).

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 26	0600	1,730	7.61	Feb. 20	1100	1,010	6.96
Jan. 8	0600	*5,210	*9.59	Mar. 19	2100	1,020	6.97
Jan. 24	0100	2,030	7.86				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	37	239	185	352	647	154	145	14	13	6.4	7.4
2	13	32	193	163	640	607	171	99	12	15	6.2	6.9
3	12	27	190	149	639	446	188	93	12	14	6.2	6.4
4	11	24	239	145	574	311	146	98	11	13	6.3	6.0
5	11	35	295	158	511	254	127	171	16	11	6.7	5.6
6	11	73	276	348	383	229	100	168	56	10	7.7	5.3
7	11	79	194	2650	281	271	89	108	131	9.6	9.5	5.1
8	12	73	231	4690	236	463	81	79	97	8.9	11	5.0
9	15	63	285	2620	209	606	74	68	46	8.3	11	4.8
10	16	59	344	1530	207	697	67	64	28	7.9	16	4.5
11	16	60	322	1020	282	744	62	53	22	7.6	48	7.2
12	15	59	222	1080	390	572	57	46	19	7.4	49	168
13	54	67	156	1060	468	371	54	40	17	18	70	345
14	83	76	126	863	454	274	53	37	16	53	59	266
15	68	75	110	1050	364	244	52	36	15	52	57	238
16	37	76	100	1010	428	286	50	35	15	30	62	174
17	24	71	94	756	644	636	47	32	15	19	39	141
18	19	64	90	563	791	806	91	29	15	14	27	105
19	17	75	84	426	886	940	176	27	14	12	23	60
20	16	75	82	323	982	916	182	25	13	11	16	40
21	17	72	259	336	816	674	163	23	12	9.5	12	30
22	23	65	551	1050	613	422	109	22	11	9.0	10	23
23	53	60	674	1520	550	289	75	20	11	8.7	9.1	19
24	543	54	1310	1810	520	237	60	20	10	8.8	8.2	17
25	545	51	1550	1200	515	205	51	20	10	12	7.5	16
26	290	51	1650	869	576	184	45	19	9.8	14	7.2	21
27	155	50	1170	616	644	167	96	19	11	12	6.8	20
28	85	59	755	450	645	156	322	18	12	9.9	6.3	17
29	73	184	443	390	---	145	291	17	12	8.6	6.0	14
30	52	231	281	338	---	136	198	16	12	7.7	6.2	12
31	40	---	222	279	---	143	---	15	---	7.0	7.1	---
TOTAL	2351	2077	12737	29647	14600	13078	3431	1662	694.8	441.9	623.4	1790.2
MEAN	75.8	69.2	411	956	521	422	114	53.6	23.2	14.3	20.1	59.7
MAX	545	231	1650	4690	982	940	322	171	131	53	70	345
MIN	11	24	82	145	207	136	45	15	9.8	7.0	6.0	4.5
AC-FT	4660	4120	25260	58800	28960	25940	6810	3300	1380	877	1240	3550
CFSM	.49	.45	2.67	6.21	3.39	2.74	.74	.35	.15	.09	.13	.39
IN.	.57	.50	3.08	7.16	3.53	3.16	.83	.40	.17	.11	.15	.43

RED RIVER BASIN
07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1998, BY WATER YEAR (WY)

MEAN	44.5	120	207	317	342	301	262	255	116	64.2	32.6	41.4
MAX	310	713	971	1116	925	767	999	1122	652	1010	177	280
(WY)	1946	1958	1983	1945	1983	1997	1991	1953	1959	1989	1955	1958
MIN	5.73	11.9	25.0	29.5	36.9	42.4	27.3	14.3	12.0	5.60	4.76	4.45
(WY)	1968	1944	1944	1967	1981	1996	1978	1988	1985	1966	1954	1982
SUMMARY STATISTICS												
FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1941 - 1998				
ANNUAL TOTAL	117557.5				83133.3				174			
ANNUAL MEAN	322				228				371			
HIGHEST ANNUAL MEAN									34.7			
LOWEST ANNUAL MEAN									11100			
HIGHEST DAILY MEAN	4760				Mar 3				4690			
LOWEST DAILY MEAN	7.1				Sep 19				4.5			
ANNUAL SEVEN-DAY MINIMUM	7.3				Sep 16				5.2			
INSTANTANEOUS PEAK FLOW									5210			
INSTANTANEOUS PEAK STAGE									9.59			
INSTANTANEOUS LOW FLOW									4.4			
INSTANTANEOUS LOW STAGE									2.27			
ANNUAL RUNOFF (AC-FT)	233200				164900				126400			
ANNUAL RUNOFF (CFMS)	2.09				1.48				1.13			
ANNUAL RUNOFF (INCHES)	28.40				20.08				15.39			
10 PERCENT EXCEEDS	788				642				435			
50 PERCENT EXCEEDS	112				64				61			
90 PERCENT EXCEEDS	12				9.1				11			

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	3.27	5.44	5.20	5.82	6.47	4.88	4.75	2.68	2.50	2.29	2.43
2	2.55	3.17	5.14	4.98	6.46	6.40	4.99	4.27	2.64	2.60	2.29	2.40
3	2.51	3.06	5.11	4.84	6.46	6.09	5.11	4.20	2.61	2.55	2.29	2.38
4	2.49	2.99	5.44	4.79	6.35	5.74	4.82	4.26	2.59	2.49	2.29	2.36
5	2.48	3.21	5.70	4.94	6.23	5.52	4.58	4.97	2.73	2.45	2.30	2.34
6	2.48	3.94	5.62	5.80	5.94	5.37	4.47	4.95	3.63	2.42	2.34	2.32
7	2.48	4.03	5.15	8.24	5.64	5.56	4.33	4.38	4.62	2.39	2.39	2.31
8	2.51	3.93	5.39	9.36	5.42	6.12	4.24	4.02	4.23	2.37	2.44	2.30
9	2.61	3.77	5.66	8.25	5.25	6.40	4.14	3.86	3.46	2.36	2.44	2.29
10	2.65	3.70	5.84	7.43	5.23	6.55	4.03	3.79	3.05	2.34	2.62	2.28
11	2.66	3.71	5.78	6.97	5.65	6.62	3.93	3.60	2.86	2.34	3.50	2.40
12	2.64	3.70	5.33	7.04	5.96	6.34	3.85	3.45	2.74	2.33	3.51	4.62
13	3.49	3.84	4.86	7.01	6.14	5.91	3.79	3.35	2.68	2.69	3.88	5.84
14	4.08	3.98	4.58	6.79	6.11	5.62	3.77	3.27	2.63	3.59	3.69	5.56
15	3.86	3.97	4.40	7.01	5.90	5.47	3.75	3.27	2.59	3.57	3.66	5.43
16	3.26	3.98	4.29	6.96	6.05	5.59	3.72	3.24	2.57	3.09	3.75	5.00
17	2.89	3.90	4.22	6.64	6.46	6.44	3.66	3.18	2.58	2.74	3.31	4.72
18	2.76	3.79	4.17	6.33	6.69	6.71	4.26	3.11	2.57	2.56	3.05	4.34
19	2.69	3.97	4.10	6.04	6.82	6.88	5.02	3.05	2.53	2.47	2.96	3.72
20	2.67	3.97	4.07	5.78	6.93	6.85	5.07	3.00	2.50	2.42	2.76	3.35
21	2.69	3.93	5.40	5.79	6.72	6.51	4.94	2.96	2.47	2.39	2.63	3.12
22	2.87	3.81	6.30	6.98	6.42	6.03	4.53	2.92	2.45	2.38	2.55	2.96
23	3.35	3.71	6.51	7.43	6.30	5.67	4.14	2.87	2.43	2.37	2.50	2.85
24	6.28	3.62	7.25	7.67	6.25	5.43	3.90	2.86	2.42	2.37	2.46	2.77
25	6.28	3.56	7.45	7.15	6.24	5.22	3.73	2.86	2.41	2.47	2.43	2.75
26	5.65	3.55	7.54	6.79	6.35	5.08	3.62	2.85	2.40	2.53	2.42	2.90
27	4.82	3.54	7.20	6.42	6.47	4.96	4.28	2.83	2.43	2.46	2.40	2.87
28	4.11	3.68	6.82	6.10	6.47	4.89	5.78	2.81	2.47	2.41	2.38	2.78
29	3.94	5.06	6.35	5.96	---	4.82	5.66	2.79	2.47	2.36	2.36	2.69
30	3.57	5.39	5.86	5.82	---	4.76	5.18	2.76	2.46	2.34	2.37	2.63
31	3.35	---	5.49	5.64	---	4.80	---	2.74	---	2.31	2.42	---
MAX	6.28	5.39	7.54	9.36	6.93	6.88	5.78	4.97	4.62	3.59	3.88	5.84
MIN	2.48	2.99	4.07	4.79	5.23	4.76	3.62	2.74	2.40	2.31	2.29	2.28

RED RIVER BASIN

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW 1/4 SE 1/4 sec.3, T.10 N., R.6 W., Natchitoches Parish, Hydrologic Unit 11140209, on downstream side of bridge on State Highway 1226, 1.8 mi northeast of Chivery Dam, 2.8 mi upstream from Allen Dam, and 5.0 mi northeast of Clarence.

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

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

GAGE.--Water-stage recorder. Datum of gage is 88.49 ft above sea level. Prior to Oct. 1, 1980, at datum 6.00 ft higher.

REMARKS.--Drainage area does not include 412 mi² of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre-ft. Considerable regulation by Chivery Dam. Lakes are used for recreation. Lowest recordable stage 1.20 ft; prior to July 5, 1994, 3.62 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 25.76 ft, July 6, 1989, from floodmark; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.26 ft, Jan. 15; minimum 8.03 ft, Sep. 10.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.46	9.57	9.59	11.05	13.84	10.94	10.20	9.60	9.07	8.80	8.32	8.25
2	8.44	9.56	9.59	10.93	14.46	10.92	10.07	9.64	9.04	8.78	8.30	8.24
3	8.43	9.52	9.69	10.79	14.77	10.85	10.00	9.67	9.01	8.76	8.27	8.22
4	8.42	9.46	9.73	10.67	14.67	10.71	9.89	9.66	8.99	8.76	8.25	8.20
5	8.41	9.43	9.76	10.58	14.40	10.54	9.82	9.62	9.04	8.75	8.24	8.18
6	8.40	9.42	9.78	10.76	14.02	10.38	9.76	9.61	9.23	8.73	8.23	8.16
7	8.39	9.37	9.81	12.09	13.52	10.35	9.73	9.59	9.19	8.71	8.23	8.14
8	8.39	9.34	9.96	13.54	12.95	10.61	9.72	9.56	9.15	8.69	8.22	8.13
9	8.40	9.32	10.02	14.70	12.35	10.63	9.69	9.52	9.15	8.67	8.21	8.10
10	8.40	9.34	10.07	15.27	11.83	10.50	9.64	9.51	9.14	8.65	8.19	8.06
11	8.38	9.34	10.08	15.69	11.57	10.33	9.59	9.46	9.13	8.62	8.19	8.09
12	8.35	9.34	10.07	16.29	11.23	10.18	9.53	9.43	9.13	8.60	8.20	8.46
13	8.56	9.36	10.06	16.84	10.95	10.07	9.51	9.41	9.12	8.64	8.24	8.72
14	8.61	9.36	10.04	17.12	10.76	10.02	9.49	9.38	9.10	8.67	8.26	8.85
15	8.59	9.36	9.99	17.24	10.64	10.03	9.46	9.36	9.08	8.67	8.29	9.04
16	8.59	9.35	9.96	17.25	10.63	10.11	9.45	9.35	9.07	8.65	8.35	9.31
17	8.58	9.35	9.93	17.21	10.71	10.39	9.42	9.32	9.04	8.63	8.35	9.46
18	8.58	9.37	9.90	17.11	10.76	10.58	9.44	9.30	9.02	8.61	8.34	9.55
19	8.58	9.40	9.87	16.96	10.77	10.72	9.45	9.27	9.01	8.59	8.33	9.62
20	8.59	9.40	9.83	16.70	10.73	10.82	9.42	9.24	8.99	8.57	8.33	9.65
21	8.61	9.42	10.06	16.40	10.64	10.89	9.43	9.22	8.98	8.54	8.31	9.66
22	8.61	9.42	10.18	16.31	10.63	10.91	9.43	9.20	8.96	8.52	8.31	9.63
23	8.64	9.42	10.36	16.19	10.68	10.92	9.42	9.18	8.94	8.50	8.30	9.57
24	9.01	9.42	10.80	16.10	10.72	10.96	9.42	9.17	8.91	8.48	8.29	9.51
25	9.13	9.41	11.09	15.93	10.71	10.98	9.40	9.16	8.89	8.47	8.28	9.45
26	9.23	9.40	11.27	15.71	10.77	10.96	9.42	9.15	8.86	8.46	8.27	9.40
27	9.30	9.39	11.37	15.43	10.88	10.91	9.46	9.14	8.85	8.44	8.25	9.36
28	9.37	9.43	11.38	15.10	10.93	10.84	9.55	9.13	8.84	8.41	8.24	9.33
29	9.46	9.59	11.36	14.77	---	10.67	9.54	9.12	8.83	8.39	8.22	9.28
30	9.52	9.60	11.27	14.40	---	10.46	9.56	9.11	8.82	8.37	8.26	9.24
31	9.55	---	11.18	14.01	---	10.35	---	9.09	---	8.35	8.27	---
MAX	9.55	9.60	11.38	17.25	14.77	10.98	10.20	9.67	9.23	8.80	8.35	9.66
MIN	8.35	9.32	9.59	10.58	10.63	10.02	9.40	9.09	8.82	8.35	8.19	8.06

RED RIVER BASIN

07353520 NANTACHIE LAKE NEAR ALOHA, LA

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

DRAINAGE AREA.--80.4 mi².

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 92.28 ft above sea level (levels by Louisiana Department of Transportation and Development).

REMARKS.--No gage heights recorded below 2.14 ft. Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft concrete spillway. The crest of the spillway is 3.05 ft gage height. Draw-down structure consists of one 5- by 5-ft metal sluice gate that can be varied from -16.78 to -11.78 ft gage height. Area of lake is 1,580 acres, usable capacity, 11,200 acre-ft at 3.05 ft gage height. Gages opened Apr. 10-24, and July 30 to Sep. 23. Reservoir is used for recreation.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,200 ft³/s, Dec. 27, 1982, gage height, 9.39 ft; no flow at times most years. Reverse flow possible May 1973 and May 1990.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.63 ft, Jan. 8; minimim, 2.45 ft, Aug. 5.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.72	2.94	3.22	3.27	3.31	3.70	3.27	3.20	2.74	2.87	2.56	2.83
2	2.70	2.93	3.17	3.25	3.32	3.58	3.26	3.16	2.71	2.85	2.54	2.81
3	2.69	2.92	3.20	3.24	3.35	3.47	3.25	3.14	2.68	2.83	2.50	2.79
4	2.67	2.90	3.22	3.23	3.34	3.40	3.22	3.11	2.66	2.82	2.48	2.76
5	2.66	2.90	3.19	3.24	3.32	3.37	3.20	3.08	2.69	2.81	2.47	2.74
6	2.64	2.92	3.15	3.52	3.30	3.34	3.18	3.06	2.99	2.79	2.61	2.72
7	2.64	2.91	3.13	5.13	3.28	3.41	3.17	3.06	3.02	2.77	2.80	2.71
8	2.62	2.90	3.16	5.48	3.25	3.65	3.17	3.06	3.00	2.75	3.00	2.69
9	2.62	2.90	3.17	4.82	3.23	3.82	3.16	3.03	2.99	2.72	3.03	2.67
10	2.62	2.91	3.17	4.28	3.26	3.88	3.14	3.03	2.98	2.70	3.02	2.64
11	2.61	2.92	3.14	3.94	3.48	3.76	3.12	3.01	2.96	2.68	3.01	2.69
12	2.58	2.94	3.12	3.93	3.54	3.59	3.10	2.99	2.95	2.65	3.01	3.12
13	2.66	2.96	3.10	4.08	3.54	3.48	3.09	2.98	2.94	2.65	3.03	3.62
14	2.71	2.97	3.09	4.29	3.47	3.42	3.10	2.97	2.91	2.75	3.03	3.63
15	2.69	2.98	3.07	4.58	3.41	3.38	3.09	2.96	2.92	2.84	3.02	3.69
16	2.67	2.98	3.06	4.81	3.42	3.47	3.10	2.96	3.14	2.84	3.01	3.91
17	2.65	2.98	3.06	4.77	3.52	3.97	3.10	2.96	3.10	2.83	3.00	3.82
18	2.64	2.98	3.06	4.61	3.58	4.00	3.13	2.95	3.06	2.81	2.99	3.58
19	2.63	3.03	3.05	4.24	3.59	3.91	3.22	2.94	3.04	2.79	2.98	3.41
20	2.62	3.03	3.05	3.83	3.54	3.75	3.20	2.92	3.01	2.77	2.96	3.30
21	2.62	3.04	3.44	3.61	3.46	3.57	3.18	2.90	2.99	2.75	2.95	3.22
22	2.61	3.04	3.58	3.94	3.49	3.47	3.15	2.88	2.97	2.72	2.98	3.18
23	2.61	3.04	3.62	3.97	3.58	3.40	3.12	2.86	2.95	2.70	2.97	3.14
24	2.91	3.03	4.07	3.89	3.61	3.35	3.10	2.85	2.95	2.68	2.95	3.10
25	2.96	3.02	4.06	3.76	3.59	3.32	3.07	2.84	2.92	2.66	2.94	3.07
26	2.98	3.02	3.94	3.61	3.63	3.29	3.06	2.83	2.89	2.67	2.93	3.06
27	2.96	3.02	3.77	3.51	3.74	3.28	3.07	2.82	2.87	2.66	2.91	3.05
28	2.94	3.05	3.58	3.43	3.75	3.28	3.31	2.81	2.86	2.65	2.89	3.04
29	2.93	3.32	3.46	3.39	---	3.26	3.30	2.79	2.85	2.62	2.88	3.01
30	2.93	3.30	3.37	3.36	---	3.24	3.25	2.78	2.88	2.60	2.86	2.99
31	2.93	---	3.32	3.32	---	3.27	---	2.76	---	2.58	2.84	---
MAX	2.98	3.32	4.07	5.48	3.75	4.00	3.31	3.20	3.14	2.87	3.03	3.91
MIN	2.58	2.90	3.05	3.23	3.23	3.24	3.06	2.76	2.66	2.58	2.47	2.64

RED RIVER BASIN

07354100 KISATCHIE BAYOU AT LOTUS, LA

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

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--Occasional low-flow measurements water years 1956-63 (published as "near Bellwood"). Daily gage-heights and discharges December 1979 to September 1992. Daily gage-heights and annual maximum discharge only October 1992 to current year. Gage-height records and discharge measurements December 1938 to July 1942 and January 1956 to September 1979 are in reports of Corps of Engineers, New Orleans District.

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

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

REMARKS.--Records fair.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,100 ft³/s, January 7, gage height, 17.12 ft; minimum gage height not determined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.86	4.43	6.40	6.23	6.81	7.46	6.17	5.91	---	---	---	---
2	3.82	4.37	5.81	6.13	7.86	6.99	5.89	5.55	---	---	---	---
3	3.79	4.31	8.64	6.08	7.34	6.69	5.77	5.45	---	---	---	---
4	3.76	4.25	9.43	6.07	6.88	6.53	5.68	5.39	---	---	---	---
5	3.74	4.20	6.86	6.97	6.53	6.46	5.55	5.33	---	---	---	---
6	3.73	4.18	6.04	11.85	6.36	6.38	5.50	---	---	---	---	---
7	3.72	4.16	5.69	17.03	6.24	7.60	5.46	---	---	---	---	---
8	3.72	4.15	6.71	14.31	6.14	10.63	5.42	---	---	---	---	---
9	3.73	4.13	7.05	9.95	6.09	8.01	5.33	---	---	---	---	---
10	3.77	4.19	6.22	8.67	6.85	6.98	5.26	---	---	---	---	---
11	3.79	4.41	5.74	8.05	12.07	6.53	5.22	---	---	---	---	---
12	3.78	4.63	5.45	8.53	8.35	6.33	5.18	---	---	---	---	13.02
13	3.96	5.53	5.29	9.06	7.21	6.22	---	---	---	---	---	15.85
14	6.49	5.70	5.20	8.96	6.76	6.16	---	---	---	---	---	10.50
15	5.05	5.21	5.13	9.05	6.61	6.12	---	---	---	---	---	8.92
16	4.59	4.94	5.05	8.78	9.90	8.34	---	---	---	---	5.54	12.40
17	4.31	4.85	5.00	7.70	10.28	14.86	---	---	---	---	---	8.75
18	4.15	4.87	4.96	7.23	8.16	9.57	---	---	---	---	---	7.06
19	4.05	7.06	4.90	6.99	7.22	8.04	6.63	---	---	---	---	6.38
20	3.98	6.22	4.88	6.77	7.06	7.36	5.93	---	---	---	---	6.00
21	3.93	5.44	12.60	6.83	6.74	6.96	5.37	---	---	---	---	5.75
22	3.90	5.07	11.42	15.68	8.41	6.72	5.26	---	---	---	---	5.64
23	3.88	4.84	10.79	11.98	10.51	6.53	5.23	---	---	---	---	---
24	9.77	4.74	15.93	9.01	7.89	6.39	---	---	---	---	---	---
25	7.44	4.64	10.41	8.12	7.14	6.27	---	---	---	---	---	---
26	5.60	4.57	8.26	7.71	10.62	6.16	---	---	---	---	---	---
27	5.01	4.52	8.00	7.45	12.03	6.08	---	---	---	---	---	---
28	4.78	4.60	7.48	7.15	8.42	6.03	12.10	---	---	---	---	---
29	4.67	12.47	7.05	6.97	---	5.95	7.53	---	---	---	---	---
30	4.56	8.22	6.71	6.84	---	5.86	6.38	---	---	---	---	---
31	4.49	---	6.45	6.69	---	5.91	---	---	---	---	---	---
MAX	9.77	12.47	15.93	17.03	12.07	14.86	---	---	---	---	---	---
MIN	3.72	4.13	4.88	6.07	6.09	5.86	---	---	---	---	---	---

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA

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

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

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

PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURES: October 1952 to September 1963, June 1973 to September 1984.

CHLORIDE: October 1974 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1982.

REMARKS.--All dissolved constituents are results from water that has been filtered through 0.45 micron filters.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Oct. 8, 1956; minimum daily, 133 micromhos June 24, 1953.

WATER TEMPERATURES: Maximum daily, 34.0 °C Aug. 2, 8, 10, 1956; minimum daily, 0.0 °C Dec. 24, 25, 1983.

CHLORIDE: Maximum daily, 420 mg/L Oct. 12, 1978; minimum daily, 8.6 mg/L Apr. 7, 1977.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,495,000 tons Dec. 9, 1973; minimum daily, 1,000 tons Oct. 10-22, 1972, Oct. 1 to Nov. 7, 1978, Sept. 27-30, Oct. 1-4, 1980, Jan. 30-31, Apr. 24-25, Oct. 1-6, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 29...	1410	934	7.48	19.0	10	33	8.6	19	--	400	65
NOV 17...	1550	754	7.81	14.0	5	11	10.3	13	1.6	K70	K20
DEC 30...	1525	214	7.45	9.0	70	220	8.0	<10	--	490	--
JAN 28...	1515	571	7.27	10.5	20	110	10.0	12	.6	240	K110
FEB 26...	1610	373	7.10	15.0	30	53	10.5	16	1.8	K150	K57
MAR 24...	1600	330	7.41	15.0	40	220	12.2	19	4.0	K600	92
APR 28...	1550	950	7.91	20.5	10	18	8.7	<10	2.1	K170	42
JUN 02...	1600	1100	8.09	29.0	20	5.0	7.8	14	--	--	21
JUL 01...	1000	536	7.37	30.0	10	2.3	7.8	13	--	<1	K7
22...	1855	820	8.12	27.6	5	2.5	--	14	--	K80	K11
AUG 27...	1010	1070	8.10	24.9	10	1.1	4.1	13	.5	K14	K6
SEP 28...	1430	587	8.46	27.0	10	4.4	10.0	--	--	41	K16

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

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

RED RIVER BASIN
07355500 RED RIVER AT ALEXANDRIA, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT 29...	84	230	58	20	90	4.6	118	140	120	.20
NOV 17...	K11	190	50	16	73	4.0	94	120	98	.20
DEC 30...	K100	63	18	4.3	13	2.4	50	22	16	.11
JAN 28...	<4	150	39	12	52	3.0	53	100	74	.12
FEB 26...	K32	100	27	7.8	31	2.4	45	57	44	.10
MAR 24...	K170	98	28	6.8	26	2.3	62	46	34	.12
APR 28...	K16	270	70	22	87	3.7	121	150	130	.20
JUN 02...	K2	280	74	24	110	4.2	151	160	150	.22
JUL 01...	K1	160	41	13	46	3.4	111	58	55	.13
JUL 22...	K6	220	58	19	77	3.9	144	110	100	.21
AUG 27...	K4	280	68	27	110	4.4	145	170	150	.22
SEP 28...	K12	150	40	13	51	3.4	95	78	70	.16

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 29...	532	504	30	.018	.28	.08	.68	.14	.09	7.6
NOV 17...	448	418	16	<.010	.14	.08	.55	.08	.03	6.5
DEC 30...	134	106	180	.016	.20	.19	1.0	.25	.24	9.1
JAN 28...	340	312	120	.012	.17	.06	.46	.13	.06	8.5
FEB 26...	222	196	61	<.010	.16	.06	.59	.07	.05	8.3
MAR 24...	212	180	220	--	--	--	--	--	--	10
APR 28...	570	535	22	.014	.17	.07	.31	.04	.03	6.1
JUN 02...	626	613	12	.011	.03	<.01	.51	.03	.03	6.3
JUL 01...	292	283	10	<.010	<.02	.02	.46	.02	.03	--
JUL 22...	500	454	8	<.010	<.02	.02	.70	.05	.02	7.1
AUG 27...	646	617	5	<.010	<.02	.04	.71	.06	.02	7.3
SEP 28...	370	313	20	.020	.11	.01	.84	.08	.03	--

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.

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
OCT 29...	2.2	<.5	<1.0	<1.0	2.1	610	1.0	75
JAN 28...	1.6	<.5	<1.0	2.8	3.8	2700	3.0	98
APR 28...	1.1	<.5	<1.0	1.3	2.1	360	2.0	65
JUL 22...	4.2	<.5	<1.0	<1.0	2.1	121	<1.0	56

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (UG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)
OCT 29...	<.10	1.5	1.1	<1.0	<.01	<1	<1
JAN 28...	<.10	3.6	<1.0	9.1	<.01	2	<1
APR 28...	<.10	2.0	<1.0	<1.0	<.01	<1	<1
JUL 22...	<.10	1.2	1.1	4.6	<.01	<1	1

DATE	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILT RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)
OCT 29...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
DEC 30...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
FEB 26...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
APR 28...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
JUN 02...	<.01	<.01	<.01	<.1	<.02	<.1	<.01	<.01	<.1	<.01	<.01
AUG 27...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01

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

RED RIVER BASIN

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

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

DRAINAGE AREA.--10,787 mi².

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

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

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

REMARKS.--Estimated daily discharges. Records fair except for periods of indefinite stage-discharge relationship, Apr. 18-26, June 16-22, and a period of missing base gage-height record, Dec. 27 to Jan.6, and missing auxiliary gage-height record, Aug. 12-18, which are poor. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Several measurements of water temperature were made during the year.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 29.58 ft, Mar. 23; minimum daily discharge, 571 ft³/s, Sept. 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1310	2100	2920	e7250	---	---	---	14100	9870	1460	823	1320
2	1390	3590	1860	e8500	---	---	---	13200	11400	2950	808	906
3	1380	5500	3880	e10000	---	---	---	11700	12500	2230	804	871
4	1410	4310	2320	e12400	---	---	---	10500	11700	1500	746	866
5	1670	3050	2050	e15200	---	---	---	9080	8060	1210	721	844
6	1410	2310	2450	e18200	---	---	---	8220	4690	1120	731	813
7	1430	3970	3700	---	---	---	---	6920	2800	1300	945	791
8	1480	8240	3370	---	---	---	---	5480	2440	1090	900	748
9	1410	7960	4970	---	---	---	---	6590	2700	1280	887	645
10	1410	6530	6220	---	---	---	---	6340	1990	1470	815	618
11	1390	2660	8230	---	---	---	---	4090	1980	1650	824	571
12	1570	5120	8170	---	---	---	---	3090	2050	1200	e880	1330
13	2280	5680	4920	---	---	---	---	2940	2840	2510	e1000	2750
14	1580	5830	5890	---	---	---	---	2520	2810	2480	e1300	2510
15	1430	6210	6740	---	---	---	---	2420	2650	1910	e1350	2870
16	1350	6210	4420	---	---	---	---	2430	e3340	1190	e1150	3050
17	1460	7540	3840	---	---	---	---	3300	e3240	1000	e1000	5020
18	1370	7810	3440	---	---	---	e15200	3800	e2200	1080	e960	7390
19	1420	6490	2180	---	---	---	e12300	4410	e2750	1520	967	7290
20	1390	7490	3050	---	---	---	e10000	3840	e2900	1370	1180	5850
21	1360	7730	5980	---	---	---	e8000	3100	e2300	1380	1170	3890
22	1350	7200	5650	---	---	---	e6440	3820	e1820	1150	1380	3070
23	1540	6860	6040	---	---	---	e5500	3680	1230	1620	1470	2960
24	3900	7760	11300	---	---	---	e4800	2400	1340	1610	967	2470
25	3490	8470	12200	---	---	---	e4600	1890	1290	1440	1050	2310
26	3440	6860	15700	---	---	---	e6620	1450	1460	1070	926	1300
27	3360	5030	e15100	---	---	---	7960	1280	1780	923	1770	1470
28	3300	4000	e13000	---	---	---	9970	1250	1540	902	2500	864
29	3220	4230	e11400	---	---	---	10700	1630	1410	912	1560	1620
30	1540	1900	e10000	---	---	---	13200	4370	1530	1130	961	1350
31	1480	---	e8900	---	---	---	---	7570	---	908	979	---
TOTAL	57520	168640	199890	---	---	---	---	157410	110610	44565	33524	68357
MEAN	1855	5621	6448	---	---	---	---	5078	3687	1438	1081	2279
MAX	3900	8470	15700	---	---	---	---	14100	12500	2950	2500	7390
MIN	1310	1900	1860	---	---	---	---	1250	1230	902	721	571

e Estimated

RED RIVER BASIN

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

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.97	8.62	9.22	---	29.15	---	27.29	16.95	14.33	8.49	7.97	8.50
2	8.06	9.71	8.49	---	29.11	---	27.16	16.45	15.32	9.68	7.95	8.11
3	8.03	10.97	9.90	---	29.00	---	27.07	15.61	15.97	9.24	7.94	8.05
4	8.08	10.24	8.91	---	28.83	---	26.90	14.91	15.49	8.63	7.85	8.03
5	8.30	9.34	8.68	---	---	28.33	27.11	14.03	13.30	8.42	7.81	7.99
6	8.07	8.81	8.93	---	---	28.25	26.86	13.45	11.04	8.34	7.81	7.94
7	8.10	9.93	9.86	20.11	---	28.12	26.75	12.62	9.56	8.50	8.07	7.91
8	8.14	12.69	9.66	21.34	---	28.04	26.32	11.62	9.28	8.31	8.05	7.85
9	8.09	12.57	10.75	21.95	---	28.54	25.77	12.30	9.50	8.48	8.05	7.70
10	8.07	11.67	11.51	22.38	---	28.58	25.18	12.15	8.93	8.66	7.96	7.65
11	8.04	9.09	12.77	22.78	---	28.63	24.50	10.62	8.94	8.83	7.96	7.58
12	8.23	10.72	12.75	23.18	---	28.68	23.72	9.83	8.99	8.42	8.79	8.43
13	8.77	11.10	10.76	23.61	---	28.75	22.78	9.69	9.60	9.38	8.98	9.71
14	8.19	11.21	11.28	24.17	---	---	21.88	9.38	9.59	9.44	8.59	9.52
15	8.08	11.45	11.82	24.80	---	---	20.85	9.27	9.44	8.99	8.70	9.74
16	7.99	11.45	10.37	25.35	---	---	19.97	9.28	9.98	8.37	8.47	9.87
17	8.09	12.28	9.92	25.78	---	---	19.18	9.93	8.86	8.19	8.40	11.19
18	8.03	12.46	9.63	26.19	---	---	18.40	10.31	8.36	8.26	8.11	12.78
19	8.07	11.62	8.70	26.60	---	---	17.95	10.76	8.76	8.68	8.19	12.74
20	8.05	12.24	9.34	27.01	---	29.38	16.88	10.38	8.99	8.54	8.39	11.80
21	8.02	12.42	11.35	27.47	---	29.45	16.57	9.80	8.95	8.57	8.37	10.43
22	8.00	12.08	11.25	28.04	---	29.49	15.43	10.32	8.80	8.38	8.55	9.84
23	8.19	11.86	11.52	28.50	---	29.48	15.16	10.24	8.24	8.77	8.65	9.76
24	9.98	12.42	14.70	28.85	27.14	29.25	14.48	9.23	8.34	8.81	8.14	9.39
25	9.69	12.86	15.30	29.08	27.37	29.07	12.41	8.82	8.30	8.58	8.25	9.29
26	9.65	11.89	17.15	29.27	27.74	29.00	12.40	8.41	8.42	8.25	8.14	8.47
27	9.58	10.71	---	29.39	28.05	28.50	13.23	8.25	8.76	8.09	8.83	8.62
28	9.53	9.98	---	29.43	---	28.26	14.49	8.22	8.57	8.06	9.44	8.02
29	9.48	10.22	---	29.42	---	27.81	14.95	8.58	8.43	8.07	8.71	8.74
30	8.19	8.53	---	29.35	---	27.52	16.42	10.65	8.55	8.27	8.14	8.53
31	8.13	---	---	29.25	---	27.10	---	12.85	---	8.08	8.13	---
MAX	9.98	12.86	---	---	---	---	27.29	16.95	15.97	9.68	9.44	12.78
MIN	7.97	8.53	---	---	---	---	12.40	8.22	8.24	8.06	7.81	7.58

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

LOCATION.--Lat 32°59'25", long 91°39'20", in SE 1/4 SW 1/4 sec.9, T.23 N., R.8 E., Morehouse Parish, Hydrologic Unit 08040205, on downstream side of right pier of bridge on State Highway 834, 1.0 mi downstream from Arkansas-Louisiana State line, and 1.6 mi northwest of Jones.

DRAINAGE AREA.--1,187 mi².

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

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

REMARKS.--Records good except for estimated discharge, which is poor. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). Other flow bypasses station and re-enters the basin 5 mi downstream by way of Overflow Creek. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--41 years, 1,344 ft³/s, 973,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,530 ft³/s, Apr. 28, 1991; maximum gage height, 29.16 ft, May 5, 1991; minimum discharge, 1.6 ft³/s, Aug. 22, 1986, gage height, -0.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,970 ft³/s, Jan. 28; maximum gage height, 21.33 ft, Jan. 28; minimum daily discharge, 34 ft³/s, Sep. 30; minimum gage height, 0.61 ft, Sep. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	141	194	819	3880	2330	2010	218	64	50	175	172
2	52	131	198	797	3840	2390	1950	292	113	78	161	165
3	50	116	203	771	3710	2430	2010	411	260	85	140	153
4	48	102	205	745	3540	2460	1860	520	400	85	110	139
5	46	97	198	761	3370	2490	1760	603	513	86	96	126
6	43	102	186	934	3190	2490	1660	632	595	101	92	113
7	42	104	175	1500	3010	2660	1570	619	634	121	102	102
8	42	111	182	1620	2820	2990	1470	585	652	125	100	91
9	41	126	187	1800	2650	3130	1370	544	653	118	100	81
10	40	140	177	2010	2510	3350	1260	504	645	107	104	71
11	39	146	170	2210	2390	e3500	1150	474	618	101	110	63
12	39	147	172	2540	2220	e3600	1040	450	584	98	115	78
13	45	145	183	2670	2060	3680	913	428	540	165	119	93
14	51	142	200	2810	1910	3670	791	405	495	231	127	91
15	52	135	211	2950	1790	3600	685	391	447	e235	142	85
16	53	126	215	3050	1790	3530	584	382	404	e244	162	75
17	53	121	212	3130	1740	3470	496	362	367	e253	186	67
18	52	119	204	3200	1670	3300	445	333	331	e251	208	64
19	51	114	191	3260	1660	3160	401	297	300	e239	230	57
20	49	106	179	3320	1680	3040	358	260	271	215	240	52
21	47	97	239	3470	1730	2930	316	223	240	181	235	50
22	46	96	318	3730	1830	2860	280	194	210	159	224	49
23	45	103	358	3740	1920	2750	255	170	174	140	214	47
24	72	112	656	3800	1980	2680	230	147	153	128	203	45
25	82	120	748	3840	2040	2590	211	132	133	143	192	44
26	114	123	798	3910	2160	2510	200	119	116	171	184	42
27	123	123	836	3960	2230	2430	192	100	98	172	180	40
28	117	127	856	3970	2280	2350	193	90	82	172	174	38
29	121	161	858	3960	---	2260	190	82	67	178	177	36
30	136	187	851	3930	---	2180	192	73	51	183	177	34
31	144	---	835	3860	---	2100	---	66	---	183	176	---
TOTAL	1989	3720	11195	83067	67600	88910	26042	10106	10210	4798	4955	2363
MEAN	64.2	124	361	2680	2414	2868	868	326	340	155	160	78.8
MAX	144	187	858	3970	3880	3680	2010	632	653	253	240	172
MIN	39	96	170	745	1660	2100	190	66	51	50	92	34
AC-FT	3950	7380	22210	164800	134100	176400	51650	20050	20250	9520	9830	4690
CAL YR 1997	TOTAL 712299			MEAN 1952		MAX 6450		MIN 39		AC-FT 1413000		
WTR YR 1998	TOTAL 314955			MEAN 863		MAX 3970		MIN 34		AC-FT 624700		

e Estimated

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.06	2.48	3.22	8.54	21.05	15.96	14.69	3.48	1.09	.84	3.00	2.96
2	1.02	2.32	3.26	8.40	21.16	16.12	14.30	4.22	1.98	1.39	2.79	2.85
3	.99	2.06	3.32	8.23	20.97	16.27	14.38	5.25	3.90	1.50	2.45	2.67
4	.94	1.82	3.35	8.05	20.64	16.41	14.08	6.10	5.17	1.51	1.96	2.45
5	.90	1.73	3.27	8.09	20.24	16.47	13.68	6.67	6.05	1.53	1.71	2.23
6	.85	1.83	3.13	8.80	19.77	16.46	13.23	6.93	6.63	1.81	1.63	2.01
7	.83	1.85	3.00	11.90	19.25	16.64	12.77	6.94	6.98	2.15	1.82	1.81
8	.83	1.98	3.08	13.48	18.68	17.80	12.30	6.76	7.14	2.21	1.78	1.62
9	.81	2.23	3.14	14.33	18.08	18.50	11.81	6.47	7.17	2.10	1.79	1.43
10	.80	2.46	3.02	15.27	17.50	19.22	11.25	6.14	7.13	1.91	1.86	1.26
11	.78	2.56	2.93	16.11	17.05	19.94	10.65	5.86	6.94	1.79	1.96	1.12
12	.77	2.58	2.95	17.11	16.46	20.43	10.01	5.60	6.66	1.74	2.04	1.38
13	.89	2.55	3.10	17.77	15.83	20.67	9.30	5.40	6.32	2.76	2.12	1.65
14	.99	2.50	3.29	18.17	15.17	20.69	8.54	5.21	5.95	3.63	2.26	1.62
15	1.02	2.38	3.42	18.48	14.57	20.54	7.81	5.09	5.55	3.67	2.49	1.51
16	1.04	2.23	3.45	18.81	14.40	20.31	7.10	5.02	5.20	3.76	2.80	1.35
17	1.04	2.15	3.42	19.01	14.28	20.23	6.35	4.85	4.89	3.85	3.13	1.22
18	1.03	2.12	3.33	19.17	14.06	19.89	5.75	4.60	4.58	3.83	3.38	1.16
19	1.01	2.02	3.18	19.30	13.86	19.49	5.33	4.28	4.30	3.71	3.61	1.05
20	.97	1.88	3.05	19.43	13.83	19.09	4.87	3.92	4.02	3.45	3.72	.97
21	.93	1.73	3.68	19.67	13.92	18.73	4.45	3.54	3.72	3.06	3.67	.92
22	.89	1.71	4.47	20.36	14.17	18.42	4.12	3.21	3.39	2.75	3.55	.90
23	.88	1.83	4.81	20.68	14.54	18.07	3.87	2.92	2.97	2.46	3.44	.88
24	1.38	1.99	7.13	20.84	14.76	17.75	3.62	2.58	2.66	2.26	3.32	.85
25	1.57	2.13	8.02	20.96	14.91	17.40	3.41	2.33	2.35	2.50	3.20	.81
26	2.08	2.18	8.28	21.09	15.18	17.04	3.29	2.12	2.07	2.93	3.11	.77
27	2.22	2.18	8.47	21.25	15.60	16.67	3.20	1.79	1.74	2.96	3.06	.74
28	2.12	2.24	8.61	21.32	15.79	16.30	3.21	1.60	1.46	2.95	2.98	.71
29	2.19	2.79	8.70	21.31	---	15.92	3.17	1.44	1.19	3.03	3.02	.67
30	2.41	3.13	8.70	21.26	---	15.53	3.20	1.28	.88	3.10	3.02	.63
31	2.53	---	8.64	21.14	---	15.11	---	1.12	---	3.09	3.00	---
MAX	2.53	3.13	8.70	21.32	21.16	20.69	14.69	6.94	7.17	3.85	3.72	2.96
MIN	.77	1.71	2.93	8.05	13.83	15.11	3.17	1.12	.88	.84	1.63	.63

RED RIVER BASIN

07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

LOCATION.--Lat 32°44'20", long 92°54'15", in sec.8, T.20 N., R.5 W., Claiborne Parish, Hydrologic Unit 08040206, attached to pier of catwalk to drop inlet structure, 50 ft upstream from dam on Bayou D'Arbonne, and 2.0 mi northeast of Aycock.

DRAINAGE AREA.--133 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft above sea level (levels by Louisiana Department of Transportation and Development).

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft sluice gates in upstream face of drop inlet. Invert of sluice gates at -24.75 ft, gage datum, capacity, 100,000 acre-ft to 9.0 ft, gage datum. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.23 ft, Apr. 28, 1991; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.00 ft, Jan. 8; minimum, 7.93 ft, Sept. 11.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.53	8.95	9.48	9.80	9.82	10.12	9.86	9.59	9.23	8.76	8.29	8.18
2	8.51	8.95	9.46	9.76	9.82	10.05	9.83	9.56	9.20	8.75	8.26	8.16
3	8.50	8.93	9.57	9.73	9.81	9.98	9.82	9.58	9.18	8.74	8.24	8.14
4	8.48	8.89	9.59	9.73	9.78	9.93	9.75	9.56	9.16	8.73	8.23	8.11
5	8.46	8.95	9.57	9.77	9.76	9.90	9.72	9.52	9.21	8.72	8.22	8.09
6	8.45	9.02	9.55	10.01	9.73	9.87	9.68	9.51	9.24	8.70	8.25	8.07
7	8.43	9.02	9.54	10.74	9.70	10.02	9.66	9.51	9.21	8.68	8.28	8.06
8	8.43	9.01	9.65	10.96	9.68	10.71	9.65	9.49	9.18	8.67	8.28	8.04
9	8.44	9.01	9.69	10.79	9.66	10.73	9.63	9.47	9.18	8.64	8.27	8.00
10	8.44	9.03	9.69	10.58	9.66	10.56	9.60	9.46	9.17	8.62	8.25	7.95
11	8.42	9.04	9.66	10.42	9.76	10.42	9.57	9.43	9.16	8.60	8.25	7.98
12	8.40	9.07	9.63	10.47	9.75	10.29	9.54	9.41	9.15	8.57	8.36	8.22
13	8.57	9.12	9.60	10.45	9.74	10.19	9.53	9.39	9.14	8.59	8.42	8.36
14	8.60	9.15	9.58	10.36	9.73	10.12	9.52	9.37	9.12	8.59	8.44	8.39
15	8.58	9.16	9.56	10.29	9.75	10.06	9.51	9.37	9.10	8.58	8.45	8.50
16	8.56	9.16	9.54	10.19	9.94	10.12	9.52	9.37	9.07	8.56	8.44	8.51
17	8.54	9.16	9.53	10.11	10.12	10.63	9.48	9.35	9.04	8.55	8.43	8.52
18	8.53	9.16	9.52	10.05	10.16	10.67	9.51	9.34	9.03	8.53	8.42	8.51
19	8.51	9.17	9.50	9.98	10.14	10.58	9.55	9.33	9.01	8.50	8.41	8.51
20	8.51	9.17	9.50	9.92	10.10	10.43	9.54	9.31	8.99	8.48	8.39	8.50
21	8.52	9.18	9.78	9.92	10.04	10.29	9.54	9.30	8.97	8.47	8.37	8.50
22	8.55	9.19	9.90	9.99	10.04	10.20	9.52	9.28	8.95	8.48	8.35	8.50
23	8.57	9.19	9.93	10.01	10.07	10.12	9.49	9.26	8.93	8.46	8.33	8.47
24	8.82	9.19	10.31	9.99	10.04	10.04	9.47	9.25	8.90	8.47	8.32	8.46
25	8.87	9.19	10.35	9.94	10.00	9.98	9.45	9.24	8.88	8.44	8.31	8.45
26	8.96	9.20	10.27	9.95	10.06	9.93	9.43	9.24	8.85	8.43	8.30	8.43
27	8.94	9.20	10.17	9.95	10.17	9.88	9.49	9.24	8.83	8.41	8.28	8.43
28	8.93	9.25	10.09	9.92	10.18	9.87	9.64	9.23	8.81	8.39	8.26	8.42
29	8.92	9.45	10.01	9.89	---	9.83	9.63	9.24	8.79	8.37	8.24	8.40
30	8.91	9.49	9.92	9.86	---	9.78	9.61	9.24	8.78	8.35	8.22	8.39
31	8.93	---	9.86	9.83	---	9.86	---	9.23	---	8.32	8.20	---
MAX	8.96	9.49	10.35	10.96	10.18	10.73	9.86	9.59	9.24	8.76	8.45	8.52
MIN	8.40	8.89	9.46	9.73	9.66	9.78	9.43	9.23	8.78	8.32	8.20	7.95

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in NW 1/4 sec.1, T.22 N., R.3 W., Union Parish, Hydrologic Unit 08040206, left bank on downstream side of bridge on State Highway 15, 1.4 mi east of Lillie, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--208 mi².

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

REVISED RECORDS.--WDR LA-79-1: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft above sea level. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956 to May 31, 1978, water-stage recorder, at site 500 ft downstream at same datum.

REMARKS.--Records good above 100 cfs and fair below except for estimated discharge, which is poor.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 25	0200	1,800	7.87	Mar. 10	2000	1,750	7.82
Jan. 9	1100	1,890	*7.93	Mar. 19	1300	*1,900	*7.93

REVISIONS.--The minimum discharge for water year 1997 is unknown; the previously published figure was not the minimum; revised daily discharges are given below. These figures supersede those published in the 1997 report.

Sep. 22	e8.7	Sep. 23	e7.6	Sep. 24	e6.5	Sep. 25	e5.7	Sep. 26	e5.0
Sep. 27	e5.6	Sep. 28	e4.7	Sep. 29	e3.9	Sep. 30	e3.0		
September 1996	TOTAL 480.7	MEAN 16.0	MAX 76	MIN 3.0	AC-FT 953	CFSM 0.08	IN. 0.09		

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2.5	31	249	73	270	643	210	91	30	e.30	14	17
2	e1.9	24	194	58	247	699	243	61	26	e.25	9.1	17
3	e1.4	17	210	52	249	514	287	59	22	e.23	6.5	17
4	e1.0	13	237	51	233	306	262	84	19	e.20	9.2	16
5	e.80	22	160	85	246	166	162	85	18	e.30	21	16
6	e.60	91	94	262	207	156	109	70	18	e.20	26	15
7	e.45	92	75	1100	136	314	89	52	19	e.10	28	14
8	e.35	76	144	1600	100	1220	79	46	25	.00	24	12
9	e.85	62	276	1850	84	1300	91	41	26	.00	22	6.8
10	e1.7	40	245	1590	81	1540	95	37	24	e.10	20	7.1
11	e4.0	30	202	960	154	1300	95	38	e16	e.25	19	8.3
12	e8.5	29	177	768	198	745	83	37	e6.5	.00	26	30
13	e19	59	111	723	198	465	71	30	e3.0	.00	84	135
14	29	106	64	637	230	283	63	27	e1.6	.00	99	167
15	17	107	49	990	231	181	61	27	e2.3	.00	184	203
16	12	100	41	776	361	209	57	27	e3.8	.00	272	292
17	7.6	86	36	532	560	786	60	26	e4.2	.00	165	282
18	7.0	58	35	390	666	1130	58	24	e2.6	.00	73	255
19	5.2	40	33	324	763	1750	101	22	e3.6	.00	43	177
20	4.6	31	29	257	725	1250	107	22	e2.5	.00	32	77
21	5.6	27	163	181	566	726	100	21	e1.7	.00	28	43
22	23	25	391	267	431	485	81	20	e1.1	.00	25	35
23	23	23	442	417	390	327	66	19	e.70	.00	24	30
24	80	23	1030	490	339	205	58	18	e1.1	e.85	22	27
25	139	22	1580	617	310	154	49	17	e2.0	25	21	26
26	188	18	1250	669	391	132	44	18	e1.3	29	21	25
27	189	18	1220	561	589	125	77	24	e1.0	22	21	24
28	88	25	753	432	580	116	621	29	e.70	15	20	22
29	33	173	415	402	---	105	520	28	e.50	14	19	21
30	18	307	222	472	---	95	195	30	e.39	19	19	20
31	14	---	109	410	---	118	---	35	---	20	18	---
TOTAL	926.05	1775	10236	17996	9535	17545	4194	1165	283.59	146.78	1414.8	2037.2
MEAN	29.9	59.2	330	581	341	566	140	37.6	9.45	4.73	45.6	67.9
MAX	189	307	1580	1850	763	1750	621	91	30	29	272	292
MIN	.35	13	29	51	81	95	44	17	.39	.00	6.5	6.8
AC-FT	1840	3520	20300	35700	18910	34800	8320	2310	563	291	2810	4040
CFSM	.14	.28	1.59	2.79	1.64	2.72	.67	.18	.05	.02	.22	.33
IN.	.17	.32	1.83	3.22	1.71	3.14	.75	.21	.05	.03	.25	.36

e Estimated

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1998, BY WATER YEAR (WY)

MEAN	56.1	148	253	333	412	388	406	247	160	74.5	31.5	44.1
MAX	660	977	1112	1140	1256	1074	2764	852	1391	985	202	464
(WY)	1985	1958	1983	1974	1975	1997	1991	1991	1974	1989	1996	1974
MIN	.45	8.88	20.7	40.7	58.5	48.3	49.8	11.5	3.40	1.19	1.49	.54
(WY)	1988	1996	1957	1967	1964	1966	1981	1988	1966	1988	1956	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1956 - 1998		
ANNUAL TOTAL	136177.15			67254.42					
ANNUAL MEAN	373			184			211		
HIGHEST ANNUAL MEAN							502		
LOWEST ANNUAL MEAN							52.3		
HIGHEST DAILY MEAN	8210	Apr	6	1850	Jan	9	20000	Apr	28
LOWEST DAILY MEAN	.35	Oct	8	.00	Many days		.00	Many days	
ANNUAL SEVEN-DAY MINIMUM	.78	Oct	3	.00	Many days		.00	Many days	
INSTANTANEOUS PEAK FLOW				1900	Mar	19	24000	Jun	9
INSTANTANEOUS PEAK STAGE				7.93	Jan	9	17.54	Jun	9
INSTANTANEOUS LOW FLOW				.00	Many days		.00	Many days	
ANNUAL RUNOFF (AC-FT)	270100			133400			153200		
ANNUAL RUNOFF (CFSM)	1.79			.89			1.02		
ANNUAL RUNOFF (INCHES)	24.35			12.03			13.81		
10 PERCENT EXCEEDS	938			563			540		
50 PERCENT EXCEEDS	98			49			52		
90 PERCENT EXCEEDS	11			1.1			4.6		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.43	3.66	5.83	4.53	5.54	6.61	5.03	4.05	2.89	1.73	2.26	2.44
2	2.44	3.46	5.57	4.29	5.45	6.73	5.19	3.59	2.74	1.69	1.99	2.42
3	2.39	3.25	5.65	4.17	5.46	6.31	5.38	3.55	2.61	1.65	1.80	2.40
4	2.36	3.08	5.78	4.16	5.39	5.68	5.27	3.96	2.51	1.64	1.96	2.39
5	2.40	3.35	5.35	4.65	5.44	5.02	4.68	3.97	2.46	1.69	2.59	2.36
6	2.42	4.74	4.80	5.82	5.25	4.96	4.13	3.73	2.46	1.62	2.75	2.35
7	2.44	4.78	4.55	7.32	4.82	5.58	3.86	3.41	2.51	1.62	2.81	2.29
8	2.44	4.58	5.20	7.74	4.50	7.37	3.73	3.29	2.71	1.54	2.69	2.19
9	2.47	4.36	5.95	7.90	4.31	7.48	3.89	3.18	2.76	1.52	2.63	1.82
10	2.50	3.88	5.82	7.71	4.26	7.67	3.96	3.08	2.68	1.62	2.55	1.85
11	2.54	3.64	5.61	7.12	4.92	7.43	3.95	3.10	2.55	1.63	2.50	1.93
12	2.59	3.60	5.47	6.86	5.21	6.73	3.78	3.06	2.51	1.57	2.71	2.79
13	2.99	4.28	4.97	6.77	5.21	6.11	3.60	2.89	2.42	1.56	3.93	4.56
14	3.62	4.94	4.39	6.60	5.37	5.52	3.46	2.79	2.21	1.56	4.17	4.90
15	3.23	4.95	4.10	7.16	5.38	5.01	3.43	2.79	2.15	1.51	4.97	5.15
16	3.01	4.88	3.93	6.86	5.86	5.09	3.35	2.80	2.19	1.52	5.48	5.56
17	2.84	4.71	3.80	6.35	6.42	6.77	3.40	2.75	2.21	1.52	4.83	5.52
18	2.81	4.27	3.77	5.97	6.66	7.27	3.36	2.70	2.06	1.51	3.78	5.41
19	2.70	3.89	3.71	5.75	6.85	7.82	4.01	2.62	2.18	1.50	3.21	4.94
20	2.65	3.66	3.61	5.49	6.77	7.38	4.10	2.62	2.12	1.50	2.94	3.83
21	2.71	3.54	5.12	5.12	6.44	6.69	4.02	2.58	2.05	1.50	2.82	3.23
22	3.41	3.50	6.34	5.52	6.09	6.10	3.76	2.53	1.99	1.50	2.73	3.02
23	3.43	3.44	6.49	6.05	5.97	5.54	3.51	2.52	1.95	1.51	2.67	2.89
24	4.56	3.43	7.28	6.25	5.80	5.00	3.36	2.47	1.91	1.56	2.62	2.80
25	5.23	3.39	7.73	6.55	5.70	4.63	3.19	2.44	1.90	2.71	2.57	2.74
26	5.53	3.27	7.51	6.66	5.96	4.40	3.09	2.45	1.87	2.84	2.58	2.71
27	5.54	3.28	7.49	6.43	6.49	4.32	3.45	2.69	1.79	2.63	2.58	2.68
28	4.68	3.46	7.02	6.09	6.47	4.22	6.46	2.85	1.79	2.30	2.55	2.64
29	3.71	5.36	6.40	6.00	---	4.08	6.24	2.82	1.77	2.29	2.50	2.58
30	3.27	6.07	5.69	6.21	---	3.95	5.02	2.89	1.75	2.51	2.49	2.56
31	3.13	---	4.96	6.03	---	4.22	---	3.01	---	2.54	2.46	---
MAX	5.54	6.07	7.73	7.90	6.85	7.82	6.46	4.05	2.89	2.84	5.48	5.56
MIN	2.36	3.08	3.61	4.16	4.26	3.95	3.09	2.44	1.75	1.50	1.80	1.82

RED RIVER BASIN

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW 1/4 NW 1/4 sec.6, T.20 N., R.1 E., Union Parish, Hydrologic Unit 08040206, near right bank on downstream side of bridge on State Highway 33, 0.6 mi southwest of Farmerville, and 5.0 mi upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi² at dam, 1,470 mi² at site.

PERIOD OF RECORD.--December 1964 to current year (gage heights and miscellaneous discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg District. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

REVISED RECORDS.--WDR LA-71: Drainage area.

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

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft at spillway crest, 39.60 ft, gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft gage datum. Dam complete and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 50.38 ft, April 30, 1991.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1925, 45.71 ft, April 30, 1958, (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 42.11 ft, Jan. 9; minimum 39.11 ft, Aug. 5.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.67	40.14	---	41.20	40.57	40.83	40.08	40.51	39.86	39.41	39.22	39.79
2	39.65	40.11	---	41.04	40.60	40.77	40.24	40.46	39.83	39.61	39.19	39.79
3	39.63	40.07	40.48	40.90	40.59	40.74	40.36	40.41	39.82	39.71	39.16	39.77
4	39.61	40.03	40.51	40.77	40.53	40.75	40.39	40.36	39.80	39.71	39.14	39.75
5	39.60	40.08	40.54	40.72	40.42	40.76	40.45	40.34	39.84	39.70	39.13	39.73
6	39.59	40.13	40.53	40.88	40.32	40.82	40.47	40.31	39.88	39.68	39.17	39.71
7	39.58	40.14	40.50	41.60	40.21	40.94	40.47	40.29	39.85	39.66	39.16	39.69
8	39.57	40.14	40.59	41.88	40.12	41.51	40.45	40.26	39.83	39.64	39.17	39.67
9	39.57	40.14	40.64	42.06	40.01	41.63	40.39	40.23	39.83	39.62	39.16	39.64
10	39.56	40.14	40.68	42.09	39.93	41.78	40.34	40.20	39.82	39.60	39.15	39.60
11	39.55	40.14	40.65	41.99	39.95	41.83	40.32	40.16	39.81	39.57	39.14	39.60
12	39.53	40.16	40.62	42.05	39.95	41.79	40.31	40.14	39.79	39.54	39.35	39.88
13	39.62	40.19	40.58	41.96	39.96	41.67	40.30	40.11	39.78	39.53	39.66	40.07
14	39.67	40.20	40.54	41.81	39.93	41.46	40.31	40.09	39.76	39.53	39.76	40.15
15	39.67	40.20	40.49	41.65	39.92	41.21	40.30	40.08	39.74	39.52	39.87	40.20
16	39.66	40.19	40.45	41.48	40.09	41.05	40.30	40.07	39.71	39.50	39.97	40.22
17	39.64	40.19	40.41	41.37	40.39	41.27	40.26	40.04	39.69	39.48	40.00	40.22
18	39.64	40.20	40.37	41.26	40.65	41.31	40.31	40.03	39.67	39.47	40.01	40.20
19	39.63	40.20	40.34	41.10	40.84	41.30	40.35	40.01	39.65	39.43	40.00	40.18
20	39.63	40.19	40.31	40.93	40.94	41.33	40.37	39.99	39.63	39.41	39.98	40.16
21	39.65	40.19	40.49	40.84	40.96	41.46	40.36	39.97	39.61	39.38	39.96	40.14
22	39.69	---	40.66	40.98	40.98	41.48	40.33	39.95	39.59	39.36	39.94	40.12
23	39.73	---	40.85	41.05	40.98	41.35	40.29	39.93	39.56	39.35	39.92	40.08
24	39.97	---	41.26	41.04	40.94	41.13	40.26	39.92	39.53	39.38	39.90	40.05
25	40.06	---	41.40	40.97	40.87	40.90	40.23	39.91	39.50	39.36	39.89	40.03
26	40.18	---	41.52	40.92	40.85	40.69	40.21	39.90	39.47	39.35	39.87	40.01
27	40.18	---	41.58	40.87	40.86	40.49	40.20	39.90	39.45	39.34	39.86	39.99
28	40.18	---	41.61	40.83	40.86	40.32	40.28	39.89	39.44	39.31	39.84	39.96
29	40.18	---	41.54	40.77	---	40.15	40.40	39.88	39.42	39.29	---	39.93
30	40.17	---	41.45	40.69	---	40.00	40.51	39.88	39.40	39.26	---	39.91
31	40.16	---	41.34	40.60	---	39.93	---	39.87	---	39.24	39.79	---
MAX	40.18	---	---	42.09	40.98	41.83	40.51	40.51	39.88	39.71	---	40.22
MIN	39.53	---	---	40.60	39.92	39.93	40.08	39.87	39.40	39.24	---	39.60

RED RIVER BASIN

07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE 1/4 NE 1/4 sec.43, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi north of Sherrouse School at Monroe, and 4.0 mi upstream from mouth, and 1 mi north of Monroe.

DRAINAGE AREA.--Not determined.

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

GAGE.--Water-stage recorder. Datum of the gage is 31.17 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 42.32 ft, May 9, 1991; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 37.01 ft, Mar. 14; minimum gage height, 30.42, June 29, 30, July 1, and 9.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.67	30.66	31.20	31.88	36.15	35.32	36.62	31.14	30.50	30.45	30.46	30.73
2	30.67	30.66	31.06	31.78	36.40	35.39	36.43	30.87	30.50	30.48	30.45	30.61
3	30.67	30.65	31.08	31.72	36.47	35.44	36.21	30.85	30.49	30.48	30.59	30.66
4	30.67	30.65	31.10	31.65	36.54	35.46	35.93	30.80	30.48	30.47	31.03	30.62
5	30.67	30.80	31.03	31.65	36.59	35.48	35.66	30.75	30.56	30.46	30.77	30.60
6	30.66	30.94	30.90	32.65	36.64	35.56	35.36	30.69	30.80	30.46	30.69	30.57
7	30.66	30.79	30.85	35.26	36.67	35.80	35.06	30.68	30.68	30.45	30.64	30.58
8	30.66	30.71	31.51	35.41	36.61	36.42	34.72	30.69	30.63	30.44	30.62	30.60
9	30.66	30.69	31.45	35.17	36.47	36.66	34.30	30.66	30.61	30.47	30.57	30.58
10	30.66	30.69	31.27	34.95	36.40	36.75	33.78	30.65	30.58	30.55	30.52	30.59
11	30.66	30.68	31.09	34.81	36.43	36.81	33.07	30.62	30.57	30.51	30.49	30.63
12	30.66	30.68	30.99	35.03	36.28	36.89	32.06	30.62	30.54	30.49	30.79	31.64
13	30.90	30.74	30.94	35.04	36.05	36.95	31.19	30.60	30.54	30.54	31.04	31.88
14	30.95	30.79	30.93	35.01	35.79	36.96	30.81	30.58	30.53	30.58	31.01	31.83
15	30.75	30.76	30.88	35.05	35.55	36.79	30.74	30.59	30.54	30.58	30.99	31.48
16	30.70	30.77	30.83	35.11	35.52	36.67	30.72	30.58	30.52	30.56	30.96	31.11
17	30.69	30.72	30.78	35.03	35.41	36.79	30.70	30.57	30.51	30.55	30.96	30.91
18	30.68	30.71	30.75	34.85	35.24	36.69	30.95	30.54	30.50	30.54	31.03	30.81
19	30.68	30.83	30.75	34.68	35.07	36.54	31.31	30.53	30.49	30.53	30.78	30.81
20	30.67	30.78	30.75	34.55	34.93	36.43	31.14	30.52	30.49	30.52	30.68	30.76
21	30.67	30.74	31.68	34.57	34.83	36.53	30.90	30.50	30.48	30.51	30.62	30.78
22	30.72	30.72	31.76	35.06	34.85	36.61	30.77	30.52	30.47	30.51	30.58	30.75
23	30.80	30.70	31.82	35.42	34.90	36.67	30.75	30.50	30.47	30.51	30.57	30.66
24	31.48	30.73	33.51	35.52	34.87	36.72	30.73	30.49	30.46	30.50	30.56	30.68
25	31.17	30.68	33.01	35.58	34.85	36.76	30.71	30.48	30.47	30.50	30.56	30.74
26	31.13	30.68	32.55	35.68	35.00	36.80	30.69	30.47	30.46	30.51	30.88	30.68
27	30.99	30.67	32.24	35.80	35.20	36.83	30.84	30.47	30.46	30.50	31.09	30.68
28	30.75	30.85	32.14	35.86	35.26	36.85	32.57	30.47	30.45	30.49	30.66	30.67
29	30.69	31.91	32.10	35.91	---	36.87	32.13	30.48	30.44	30.48	30.54	30.64
30	30.68	31.49	32.09	35.96	---	36.84	31.55	30.49	30.43	30.47	30.51	30.59
31	30.67	---	31.99	36.00	---	36.75	---	30.51	---	30.47	30.73	---
MAX	31.48	31.91	33.51	36.00	36.67	36.96	36.62	31.14	30.80	30.58	31.09	31.88
MIN	30.66	30.65	30.75	31.65	34.83	35.32	30.69	30.47	30.43	30.44	30.45	30.57

RED RIVER BASIN

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE 1/4 NE 1/4 sec.21, T.23 N., R.10 E., Morehouse - West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi downstream from Arkansas - Louisiana State line, and 7.5 mi southwest of Kilbourne.

DRAINAGE AREA.--785 mi² (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage heights and daily discharges below 200 ft³/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft³/s only). October 1979 to January 1986 (gage heights only). February 1986 to current year (daily gage heights and daily discharges below 3,800 ft³/s only).

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft above sea level (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957 to Oct. 1, 1961, water-stage recorder on left bank 300 ft upstream. Prior to Oct. 1, 1978, datum 2.00 ft higher. May 4, 1959 to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962 to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi downstream from base gage at datum 74.35 ft above sea level.

REMARKS.--Records fair except for estimated discharge and daily discharges below 200 cfs and above 3000 cfs, which are poor. No gage height recorded below 2.54 ft. Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow re-enters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, Feb. 11, 1966; maximum gage height, 26.39 ft, present datum, May 5, 1991; no flow at times most years as a result of pumping for irrigation.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.20 ft, Jan. 9; minimum gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	.00	497	243	632	1290	.00	375	---	.00	.00	.00
2	.01	1.2	245	172	2920	606	.00	94	---	.00	.00	.00
3	.00	.00	121	122	1120	393	176	5.3	511	.00	.00	.00
4	.00	.00	421	102	532	312	117	.00	86	.00	.00	.00
5	.00	.00	406	934	322	513	12	.00	.06	.00	.00	.00
6	.00	72	192	---	210	1000	.00	.00	132	.00	.00	.00
7	.00	247	56	---	121	---	.00	.00	860	.00	.00	.00
8	.00	78	325	---	61	---	.00	.00	344	.00	.02	.00
9	.00	32	759	---	43	---	.00	.00	16	.00	115	.00
10	.00	.17	663	---	113	---	.00	.00	.00	.00	108	.00
11	.00	.00	455	---	1850	---	.00	.00	.00	.00	6.5	.00
12	.00	.00	219	---	1970	772	.00	.00	.00	.00	53	.00
13	.00	.00	75	---	990	440	.00	.00	.00	822	174	145
14	.00	17	21	---	429	289	.00	.00	.00	---	521	311
15	.00	335	.04	---	282	206	.00	.00	.00	2360	868	130
16	.00	336	.00	---	---	286	.00	.00	.00	1340	1770	49
17	.00	110	.00	---	---	---	.00	.00	.00	604	1130	3.2
18	.00	24	.00	1460	---	2310	.00	.00	.00	160	489	5.0
19	.00	.98	.00	879	---	1020	.00	.00	.00	9.8	239	18
20	.00	.00	.00	626	980	517	.04	.00	.00	.45	177	.30
21	.00	.00	1350	1170	527	301	.00	.00	.00	.00	131	.00
22	.00	.00	---	---	728	183	.00	.00	.00	.00	79	.00
23	.00	.00	2100	---	1720	93	.00	.00	.00	.00	53	.00
24	76	.00	---	---	965	55	.00	.00	.00	.00	20	.00
25	1190	.00	---	1230	558	37	.00	.00	.00	77	.00	.00
26	2310	.00	---	1220	---	17	.00	.00	.00	219	.00	.00
27	1530	.00	---	---	---	4.7	.00	.00	.00	148	.00	.00
28	501	4.7	926	2270	---	.10	587	.00	.00	12	.00	.00
29	154	1000	641	1090	---	.01	1860	---	.00	.00	.00	.00
30	16	750	454	621	---	.00	997	---	.00	.00	.00	.00
31	.00	---	346	398	---	.00	---	---	---	.00	.00	---
TOTAL	5790.01	3008.05	---	---	---	---	3749.04	---	---	---	5933.52	661.50
MEAN	187	100	---	---	---	---	125	---	---	---	191	22.0
MAX	2310	1000	---	---	---	---	1860	---	---	---	1770	311
MIN	.00	.00	---	---	---	---	.00	---	---	---	.00	.00
CFSM	.24	.13	---	---	---	---	.16	---	---	---	.24	.03
IN.	.27	.14	---	---	---	---	.18	---	---	---	.28	.03

RED RIVER BASIN

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

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.99	5.02	6.05	5.53	6.21	7.11	5.00	5.87	17.01	---	2.94	4.36
2	4.87	5.14	5.68	5.42	9.06	6.21	4.95	5.43	9.61	---	---	4.31
3	4.79	5.00	5.49	5.34	6.90	5.89	5.46	5.14	6.06	---	---	4.31
4	4.68	4.68	5.94	5.31	6.10	5.78	5.47	4.82	5.39	---	---	4.23
5	4.58	4.52	5.91	6.51	5.79	6.06	5.21	4.48	5.07	---	---	3.93
6	4.51	5.10	5.60	9.11	5.63	6.74	5.09	3.87	5.46	---	---	3.72
7	4.46	5.68	5.35	19.56	5.49	9.11	5.01	---	6.56	---	---	3.60
8	4.40	5.41	5.79	22.84	5.37	19.78	4.91	---	5.82	---	3.69	3.50
9	4.37	5.28	6.42	23.11	5.31	20.89	4.76	---	5.13	---	5.45	3.33
10	4.34	5.12	6.29	22.12	5.43	17.20	4.61	---	4.52	---	5.45	3.15
11	4.32	4.97	5.98	17.39	7.81	8.76	4.56	---	3.82	---	5.19	3.01
12	4.27	4.87	5.64	14.81	7.96	6.44	4.55	---	---	---	5.33	3.51
13	4.26	4.85	5.40	16.02	6.73	5.96	4.53	---	---	3.99	5.57	5.43
14	4.30	5.07	5.25	12.80	5.95	5.74	4.52	---	---	9.72	6.09	5.77
15	4.33	5.81	5.11	10.43	5.73	5.62	4.44	---	---	8.43	6.57	5.50
16	4.30	5.81	5.02	12.15	12.18	5.73	4.33	---	---	7.18	7.71	5.33
17	4.24	5.46	4.97	9.50	16.44	10.11	3.84	---	---	6.20	6.90	5.16
18	4.17	5.25	4.94	7.32	14.64	8.35	4.20	---	---	5.54	6.03	5.16
19	4.13	5.13	4.96	6.59	8.95	6.77	4.95	---	---	5.20	5.67	5.24
20	4.09	4.99	4.97	6.24	6.72	6.08	5.12	---	---	5.02	5.58	5.12
21	4.06	4.91	6.99	6.92	6.09	5.76	5.05	---	---	4.54	5.50	4.98
22	4.04	4.88	9.64	15.39	6.35	5.59	4.94	---	---	3.93	5.42	4.88
23	4.02	4.85	8.12	17.45	7.65	5.44	4.88	---	---	3.68	5.35	4.81
24	4.77	4.80	15.36	11.33	6.70	5.36	4.74	---	---	3.41	5.23	4.72
25	6.71	4.75	18.17	7.04	6.14	5.30	4.74	---	---	5.05	4.99	4.62
26	8.16	4.77	14.86	7.01	8.06	5.24	4.90	---	---	5.64	4.87	4.56
27	7.42	4.80	8.12	10.08	14.27	5.17	4.99	---	---	5.53	4.73	4.45
28	6.05	4.82	6.52	8.31	10.40	5.14	6.07	---	---	5.16	4.60	4.32
29	5.54	6.74	6.12	6.86	---	5.11	7.83	---	---	4.65	4.41	4.22
30	5.21	6.41	5.83	6.23	---	5.07	6.74	15.68	---	4.02	4.35	4.16
31	4.96	---	5.67	5.90	---	5.04	---	18.70	---	3.39	4.35	---
MAX	8.16	6.74	18.17	23.11	16.44	20.89	7.83	---	---	---	---	5.77
MIN	4.02	4.52	4.94	5.31	5.31	5.04	3.84	---	---	---	---	3.01

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA

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

DRAINAGE AREA.--1,226 mi² (see REMARKS).

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

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

REMARKS.--Records fair except for days of estimated discharge which are poor. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Low level dam of steel sheet piles with concrete cap located approximately 7 miles downstream, pool stage 55 ft, since Dec. 1991.

AVERAGE DISCHARGE.--60 years, 300 ft³/s, 217,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft³/s, May 2, 1958; maximum gage height, 21.51 ft, May 6, 1958, present datum; no flow at times after 1993; minimum gage height, 2.61 ft, June 25, 1981.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,030 ft³/s, January 12, gage height, 14.96 ft; minimum discharge, no flow at times in October, May, June, and July; minimum gage height, 5.97 ft, June 23,24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	5.9	246	44	97	313	11	38	184	.44	20	29
2	1.9	3.7	175	23	274	214	8.6	22	299	1.6	14	26
3	1.1	2.3	123	15	310	112	8.5	17	289	1.7	10	25
4	.56	1.4	93	11	240	54	7.1	11	181	1.6	8.9	24
5	.17	2.2	78	29	143	28	5.4	6.9	94	1.3	8.3	23
6	.00	4.0	61	187	82	23	4.4	5.7	79	1.6	8.2	23
7	.00	5.5	44	654	49	151	4.1	5.6	41	1.5	17	23
8	.00	8.0	92	877	30	563	5.0	5.5	20	1.4	23	24
9	.00	8.7	141	988	27	717	4.5	5.2	10	1.0	27	22
10	.00	9.1	153	1020	41	799	3.3	4.7	5.2	.62	32	21
11	.00	8.4	124	1010	111	780	2.3	4.4	2.9	1.2	38	24
12	.43	7.8	92	1020	136	605	1.8	3.9	1.7	1.0	47	80
13	2.9	7.5	65	916	103	346	1.4	3.3	1.2	5.4	53	128
14	5.4	7.2	47	783	61	164	1.6	2.8	.19	36	54	123
15	4.8	7.4	33	646	44	77	1.6	3.1	.62	130	73	109
16	4.0	6.8	25	526	181	59	1.6	2.9	.37	181	84	91
17	3.3	5.9	20	424	323	191	1.2	2.7	.00	155	87	71
18	2.8	5.8	17	319	436	241	5.0	2.7	.00	104	96	55
19	2.5	7.7	14	197	471	223	7.6	2.7	.00	61	91	43
20	2.4	9.8	12	104	380	144	4.6	2.9	.00	30	76	34
21	3.1	31	115	66	224	80	3.2	2.3	.00	17	62	29
22	4.5	37	236	239	149	43	2.4	1.3	.00	14	52	26
23	9.5	32	336	455	164	25	1.6	.60	.00	20	45	24
24	153	30	593	597	152	17	1.3	.20	.00	22	40	22
25	255	26	632	578	99	14	1.2	1.3	.00	20	37	21
26	233	21	659	401	124	16	.94	2.0	.00	27	35	20
27	142	17	634	255	212	13	1.8	2.1	.00	42	34	20
28	75	21	499	188	299	11	40	1.9	.00	45	32	19
29	37	191	303	154	---	12	66	2.8	.00	41	31	19
30	18	276	164	102	---	12	61	3.4	.00	33	30	18
31	9.8	---	86	59	---	12	---	19	---	26	29	---
TOTAL	974.76	807.1	5912	12887	4962	6059	270.04	189.90	1209.18	1024.36	1294.4	1216
MEAN	31.4	26.9	191	416	177	195	9.00	6.13	40.3	33.0	41.8	40.5
MAX	255	276	659	1020	471	799	66	38	299	181	96	128
MIN	.00	1.4	12	11	27	11	.94	.20	.00	.44	8.2	18
AC-FT	1930	1600	11730	25560	9840	12020	536	377	2400	2030	2570	2410
CAL YR 1997	TOTAL 55809.22		MEAN 153		MAX 1510		MIN .00		AC-FT 110700			
WTR YR 1998	TOTAL 36805.74		MEAN 101		MAX 1020		MIN .00		AC-FT 73000			

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.12	6.18	8.85	6.63	7.22	9.52	6.25	6.57	8.18	6.08	6.38	6.48
2	6.10	6.13	8.09	6.41	9.14	8.51	6.22	6.41	9.38	6.11	6.30	6.45
3	6.09	6.10	7.48	6.31	9.50	7.36	6.22	6.34	9.29	6.11	6.24	6.44
4	6.07	6.08	7.15	6.26	8.78	6.74	6.20	6.26	8.15	6.11	6.23	6.42
5	6.06	6.09	6.98	6.47	7.71	6.47	6.17	6.19	7.16	6.10	6.22	6.41
6	6.06	6.14	6.80	8.17	7.03	6.42	6.15	6.17	7.00	6.11	6.22	6.41
7	6.06	6.17	6.63	12.25	6.68	7.77	6.14	6.17	6.60	6.11	6.33	6.42
8	6.05	6.21	7.14	13.87	6.49	11.57	6.16	6.17	6.37	6.11	6.41	6.42
9	6.06	6.22	7.70	14.64	6.45	12.73	6.15	6.16	6.24	6.10	6.46	6.41
10	6.06	6.23	7.84	14.89	6.60	13.33	6.12	6.15	6.17	6.09	6.51	6.40
11	6.06	6.22	7.50	14.77	7.34	13.19	6.10	6.15	6.13	6.10	6.57	6.42
12	6.07	6.21	7.13	14.83	7.64	11.88	6.08	6.14	6.11	6.10	6.66	7.01
13	6.13	6.20	6.85	14.15	7.26	9.78	6.08	6.12	6.10	6.17	6.72	7.54
14	6.19	6.20	6.66	13.21	6.80	7.95	6.08	6.11	6.08	6.54	6.73	7.49
15	6.18	6.20	6.52	12.20	6.64	6.97	6.08	6.12	6.09	7.58	6.94	7.33
16	6.16	6.19	6.43	11.28	8.14	6.80	6.08	6.11	6.08	8.15	7.05	7.12
17	6.14	6.18	6.38	10.47	9.60	8.26	6.07	6.11	6.07	7.86	7.08	6.91
18	6.13	6.17	6.33	9.57	10.57	8.80	6.15	6.11	6.07	7.28	7.18	6.74
19	6.12	6.21	6.30	8.32	10.85	8.60	6.21	6.11	6.07	6.80	7.13	6.62
20	6.12	6.24	6.27	7.27	10.10	7.73	6.15	6.11	6.06	6.49	6.97	6.53
21	6.14	6.48	7.41	6.86	8.61	7.00	6.12	6.10	6.04	6.33	6.82	6.48
22	6.17	6.56	8.75	8.75	7.79	6.62	6.10	6.07	6.03	6.29	6.71	6.45
23	6.23	6.51	9.70	10.71	7.97	6.44	6.08	6.06	5.98	6.37	6.64	6.42
24	7.45	6.48	11.81	11.84	7.83	6.33	6.07	6.04	5.98	6.40	6.59	6.40
25	8.10	6.45	12.10	11.69	7.22	6.30	6.07	6.07	6.02	6.38	6.56	6.39
26	7.97	6.39	12.31	10.27	7.50	6.32	6.06	6.09	6.05	6.46	6.55	6.38
27	7.38	6.33	12.12	8.94	8.49	6.28	6.08	6.09	6.07	6.61	6.53	6.38
28	6.89	6.38	11.07	8.23	9.39	6.25	6.59	6.09	6.08	6.64	6.51	6.37
29	6.56	8.25	9.40	7.85	---	6.27	6.86	6.11	6.08	6.60	6.50	6.36
30	6.35	9.16	7.96	7.25	---	6.27	6.80	6.13	6.07	6.52	6.49	6.35
31	6.24	---	7.07	6.79	---	6.27	---	6.33	---	6.45	6.48	---
MAX	8.10	9.16	12.31	14.89	10.85	13.33	6.86	6.57	9.38	8.15	7.18	7.54
MIN	6.05	6.08	6.27	6.26	6.45	6.25	6.06	6.04	5.98	6.08	6.22	6.35

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in NW 1/4 SW 1/4 sec.36, T.18 N., R.5 E., Ouachita - Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi upstream from Illinois Central Gulf Railroad bridge, and 2.5 mi west of town of Crew Lake.

DRAINAGE AREA.--361 mi² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938, monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft above sea level (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Estimated daily discharges. Records fair, except for periods of indefinite stage-discharge relationship at times during the year, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station.

AVERAGE DISCHARGE.--60 years, 1,870 ft/s, 1,350,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,700 ft³/s, Nov. 2, 1991, gage height, 30.18 ft; maximum gage height, 30.34 ft, May 9, 1991. Maximum daily reverse flow 210 ft³/s, Apr. 27, 1989; no flow at times in August, September, October 1952, and June 1984, result of pumping for irrigation. No flow Mar. 17, 1989, backwater from Ouachita River.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,600 ft³/s, Jan. 10, gage height, 26.15 ft; maximum gage height, 26.23 ft, Jan. 10; minimum not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	116	1590	e1100	e2500	e7400	e400	1670	8470	36	22	38
2	85	82	804	e800	e7500	e5900	e330	914	7670	48	17	37
3	e76	88	1140	e720	e8000	e3700	e240	494	3240	94	16	38
4	e73	78	1080	e700	e7400	e1600	e180	322	1170	111	20	37
5	e67	74	1010	1720	e6600	e1100	e150	234	419	103	19	37
6	e62	260	780	5030	e5700	e850	e130	205	554	91	16	31
7	e59	411	535	14200	e4100	e2000	e120	189	973	87	23	27
8	53	454	2180	16600	e2000	12200	e115	176	1150	67	69	24
9	45	322	2700	17300	e800	13800	e110	161	607	42	234	25
10	46	242	1780	17400	e700	13700	e106	142	227	27	428	22
11	44	163	1410	17000	e3500	e12200	e104	142	101	52	376	22
12	43	112	1020	15800	e4100	e10600	e102	198	69	86	304	420
13	52	110	660	14800	e3700	e9500	e100	209	58	399	462	1960
14	65	155	623	13400	e2300	e7800	e98	265	59	3650	703	1990
15	45	258	534	11100	e700	e5500	e104	288	55	5230	1230	1340
16	39	573	433	10100	5820	e1400	e250	257	46	4020	1690	1040
17	36	496	242	8530	10800	e6000	e950	257	46	2260	2200	493
18	36	320	194	5040	10900	6610	e1100	272	41	1250	1810	279
19	37	251	165	e2500	e10100	e6500	e1110	256	36	468	1180	220
20	40	205	160	e1030	e7300	e6300	e1080	246	28	232	756	193
21	43	160	2580	e3000	e3500	e6100	653	272	29	119	605	142
22	59	155	6680	10400	e2000	e5700	358	225	25	77	399	103
23	55	119	6560	13300	e4100	e5200	209	192	29	64	323	80
24	1290	102	12100	12800	e3500	e4600	143	138	24	73	270	57
25	1630	82	13700	e11000	e1800	e4000	122	111	30	134	201	46
26	2440	72	13500	e9800	e7000	e3300	114	86	39	722	182	39
27	3570	74	e13200	e9000	8560	e2300	115	68	36	686	156	31
28	2310	94	e10000	e7500	e8100	e1700	1240	68	36	412	109	26
29	1250	3590	e5200	e4200	---	e1200	2270	68	37	186	85	23
30	403	3900	e2700	e2900	---	e720	2720	2990	35	74	68	21
31	189	---	e1350	e1200	---	e540	---	7190	---	35	53	---
TOTAL	14349	13118	106610	259970	143080	170020	14823	18305	25339	20935	14026	8841
MEAN	463	437	3439	8386	5110	5485	494	590	845	675	452	295
MAX	3570	3900	13700	17400	10900	13800	2720	7190	8470	5230	2200	1990
MIN	36	72	160	700	700	540	98	68	24	27	16	21
AC-FT	28460	26020	211500	515700	283800	337200	29400	36310	50260	41520	27820	17540
CAL YR 1997	TOTAL 914623		MEAN 2506		MAX 17800		MIN 36		AC-FT 1814000			
WTR YR 1998	TOTAL 809416		MEAN 2218		MAX 17400		MIN 16		AC-FT 1605000			

e Estimated

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.11	1.16	8.69	8.90	16.55	16.66	11.91	6.22	17.12	.58	.42	.61
2	.96	.94	6.13	7.40	20.82	13.85	11.70	3.88	16.45	.71	.36	.60
3	---	.98	4.52	5.91	20.97	12.87	11.53	2.66	11.02	1.06	.34	.61
4	---	.91	4.32	4.68	18.37	12.40	11.31	2.08	5.56	1.18	.40	.60
5	---	.88	4.15	6.16	16.62	12.02	11.08	1.75	2.44	1.12	.38	.60
6	---	1.84	3.52	12.62	15.72	12.50	10.89	1.63	2.85	1.04	.33	.54
7	---	2.38	2.79	24.09	14.98	15.43	10.70	1.55	4.04	1.02	.43	.49
8	.71	2.53	6.76	25.63	14.29	23.46	10.40	1.49	4.50	.86	.87	.45
9	.64	2.08	8.83	26.02	13.69	24.59	10.08	1.42	3.02	.65	1.76	.46
10	.65	1.78	7.16	26.17	13.36	24.76	9.76	1.32	1.74	.48	2.48	.42
11	.63	1.43	5.60	26.16	15.84	23.99	9.47	1.32	1.11	.73	2.31	.42
12	.62	1.14	4.16	26.07	16.09	20.97	9.19	1.59	.88	1.01	2.05	2.18
13	.70	1.13	3.17	25.82	14.63	17.79	8.77	1.64	.79	2.15	2.59	7.65
14	.81	1.39	3.06	25.38	13.25	16.00	8.27	1.87	.80	9.55	3.31	8.17
15	.64	1.83	2.79	24.54	12.37	15.16	7.73	1.96	.77	12.41	4.71	6.56
16	.58	2.91	2.46	23.85	17.21	14.83	7.04	1.84	.68	10.87	5.77	4.34
17	.55	2.66	1.78	22.82	21.83	19.30	6.13	1.84	.68	7.67	6.89	2.65
18	.55	2.08	1.57	20.43	22.42	20.01	5.51	1.90	.64	4.81	6.06	1.93
19	.55	1.82	1.44	17.52	20.53	17.34	4.92	1.84	.58	2.60	4.57	1.69
20	.59	1.62	1.41	15.71	16.74	15.49	4.16	1.80	.50	1.77	3.46	1.57
21	.61	1.41	7.22	15.45	14.13	14.49	3.14	1.90	.51	1.22	3.03	1.32
22	.76	1.39	15.63	22.25	14.13	14.00	2.21	1.71	.46	.95	2.39	1.09
23	.72	1.18	16.66	24.34	16.68	13.68	1.64	1.56	.51	.84	2.13	.93
24	5.31	1.08	22.88	24.42	15.20	13.36	1.33	1.30	.44	.91	1.93	.75
25	7.46	.94	24.17	22.73	13.59	13.12	1.21	1.14	.52	1.19	1.64	.65
26	8.24	.87	24.23	19.90	14.51	12.92	1.15	.97	.62	3.36	1.56	.58
27	9.92	.88	22.94	19.71	20.11	12.80	1.16	.84	.59	3.26	1.44	.50
28	7.81	.98	18.58	19.62	19.94	12.58	4.69	.84	.59	2.42	1.16	.44
29	4.82	9.67	14.50	17.97	---	12.42	7.09	.84	.60	1.56	1.00	.40
30	2.35	12.04	12.27	16.46	---	12.35	8.21	7.90	.58	.91	.88	.36
31	1.55	---	10.55	15.79	---	12.09	---	15.35	---	.57	.75	---
MAX	---	12.04	24.23	26.17	22.42	24.76	11.91	15.35	17.12	12.41	6.89	8.17
MIN	---	.87	1.41	4.68	12.37	12.02	1.15	.84	.44	.48	.33	.36

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA

LOCATION.--Lat 32°25'55", long 91°22'00", in NW 1/4 sec.29, T.17 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, near right bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft upstream from Illinois Central Gulf Railroad bridge, and 2.8 mi east of Waverly.

DRAINAGE AREA.--309 mi² (see REMARKS).

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

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft above sea level. Prior to July 11, 1944, nonrecording gage at site 1,000 ft upstream at same datum. July 11, 1944 to Sept. 14, 1954, nonrecording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Records good except for periods of estimated daily discharge, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--63 years (water years 1936-98), 354 ft³/s, 256,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft³/s, Nov. 19, 1948; maximum gage height, 27.21 ft, May 5, 1991; minimum discharge, 1.7 ft³/s, Oct. 5, 1981, but may have been less during period of indefinite stage-discharge relationship in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 15, 1927 (affected by overflow from Mississippi River) reached a stage of 34.02 ft and is the highest since then.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,730 ft³/s, Jan. 7; maximum gage height, 23.28 ft, Jan. 8; minimum discharge, 3.0 ft³/s, Sep. 29,30, gage height, 5.26 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	18	819	864	e800	e1250	57	274	1300	41	29	9.5
2	5.7	21	614	751	e1700	e1000	49	185	1110	39	28	8.6
3	4.9	25	544	674	e1850	e880	45	115	902	41	27	7.0
4	4.6	23	635	642	e1550	e740	43	76	715	49	27	5.9
5	4.6	20	515	1870	e1200	647	40	57	554	61	25	5.5
6	4.5	18	388	2320	e940	560	37	46	485	66	27	5.5
7	4.5	19	276	2730	e780	1170	36	39	455	61	40	5.6
8	4.3	20	383	2670	e640	2330	34	34	417	51	80	5.4
9	4.4	19	580	2570	e540	2240	32	33	362	44	113	5.4
10	4.4	18	493	2480	e480	2050	31	33	310	38	125	4.8
11	4.9	17	397	2370	e700	e1750	30	34	257	35	121	4.8
12	6.1	17	287	2390	e900	e1480	29	33	209	34	122	9.2
13	10	17	197	2300	e820	1280	29	32	171	36	112	16
14	13	18	132	2130	e680	1020	30	34	141	49	115	21
15	12	18	96	1960	e550	847	30	43	113	74	112	17
16	12	18	71	1910	e1700	747	36	46	96	98	98	13
17	11	21	51	1720	e1850	1250	39	45	93	92	96	10
18	11	25	35	1450	e1650	1230	46	43	85	75	82	8.4
19	11	27	27	1210	e1450	968	123	41	74	60	67	7.0
20	11	25	22	1000	e1250	816	172	38	63	50	48	6.0
21	12	59	363	958	e1000	677	142	37	55	44	31	5.2
22	14	241	1090	2090	e1050	573	96	37	48	40	19	4.8
23	15	202	1170	e2100	e1300	498	63	36	44	39	13	4.6
24	63	132	2240	e1930	e1150	427	44	35	42	36	11	4.3
25	201	85	2230	e1700	e950	351	35	31	40	36	9.6	4.1
26	166	55	2090	e1500	e1020	289	29	28	40	42	9.5	4.1
27	113	38	1940	e1400	e1600	246	29	29	43	45	10	4.0
28	75	28	1740	e1190	e1530	182	244	28	47	44	10	4.2
29	48	589	1500	e970	---	131	407	38	48	38	9.8	3.8
30	31	1040	1250	e850	---	94	361	781	45	33	9.3	3.1
31	22	---	1030	e740	---	71	---	1320	---	31	10	---
TOTAL	910.6	2873	23205	51439	31630	27794	2418	3681	8364	1522	1636.2	217.8
MEAN	29.4	95.8	749	1659	1130	897	80.6	119	279	49.1	52.8	7.26
MAX	201	1040	2240	2730	1850	2330	407	1320	1300	98	125	21
MIN	4.3	17	22	642	480	71	29	28	40	31	9.3	3.1
AC-FT	1810	5700	46030	102000	62740	55130	4800	7300	16590	3020	3250	432
CAL YR 1997	TOTAL 173168.2			MEAN 474		MAX 2630		MIN 4.2		AC-FT 343500		
WTR YR 1998	TOTAL 155690.6			MEAN 427		MAX 2730		MIN 3.1		AC-FT 308800		

e Estimated

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.52	5.73	13.25	15.85	14.90	17.86	6.41	8.82	14.95	5.97	5.74	5.49
2	5.49	5.78	11.97	14.64	18.62	16.63	6.27	7.99	14.04	5.93	5.71	5.46
3	5.47	5.88	11.23	13.54	19.70	15.44	6.20	7.24	12.98	5.97	5.71	5.41
4	5.46	5.84	11.67	12.91	18.70	14.33	6.17	6.72	11.96	6.13	5.69	5.37
5	5.46	5.75	10.96	18.49	17.41	13.27	6.12	6.42	11.12	6.38	5.66	5.36
6	5.45	5.72	9.85	20.84	16.13	12.27	6.06	6.22	10.67	6.49	5.70	5.36
7	5.46	5.74	8.84	22.86	14.96	15.19	6.02	6.09	10.33	6.38	5.96	5.36
8	5.46	5.76	9.65	23.27	13.84	21.20	5.99	6.00	9.96	6.19	6.72	5.35
9	5.46	5.74	11.09	23.19	12.71	21.72	5.96	5.96	9.54	6.03	7.22	5.35
10	5.46	5.72	10.63	22.98	11.94	21.42	5.93	5.96	9.12	5.91	7.36	5.33
11	5.48	5.69	9.84	22.63	15.10	20.72	5.90	5.99	8.67	5.86	7.32	5.33
12	5.52	5.69	8.93	22.63	15.60	19.76	5.89	5.96	8.24	5.84	7.32	5.48
13	5.64	5.69	8.12	22.34	14.66	18.67	5.89	5.94	7.86	5.88	7.21	5.67
14	5.73	5.71	7.44	21.79	13.56	17.59	5.91	6.00	7.54	6.13	7.24	5.79
15	5.70	5.72	7.00	21.17	12.69	16.55	5.92	6.16	7.22	6.62	7.20	5.71
16	5.69	5.72	6.67	20.82	17.13	15.72	6.04	6.22	7.00	7.02	7.03	5.60
17	5.68	5.80	6.35	20.08	19.35	17.47	6.10	6.19	6.95	6.94	7.01	5.52
18	5.67	5.88	6.08	19.01	19.26	17.61	6.21	6.16	6.82	6.65	6.82	5.47
19	5.67	5.92	5.91	17.86	18.30	16.58	7.32	6.13	6.63	6.35	6.61	5.42
20	5.67	5.87	5.81	16.75	17.18	15.70	7.87	6.06	6.43	6.15	6.32	5.38
21	5.70	6.41	9.04	16.16	16.05	14.79	7.55	6.05	6.26	6.02	6.01	5.35
22	5.75	8.53	14.39	19.90	15.90	13.81	7.00	6.05	6.11	5.96	5.74	5.34
23	5.78	8.17	15.63	21.16	17.46	12.83	6.51	6.03	6.03	5.93	5.60	5.33
24	6.55	7.44	20.87	20.96	16.99	11.78	6.18	6.02	5.98	5.87	5.53	5.32
25	8.15	6.85	21.65	20.23	15.88	10.67	6.00	5.93	5.95	5.88	5.50	5.31
26	7.81	6.42	21.54	19.34	16.30	9.61	5.90	5.88	5.95	5.99	5.49	5.31
27	7.22	6.13	21.17	18.86	19.03	8.70	5.88	5.88	6.00	6.05	5.51	5.30
28	6.72	5.95	20.46	18.05	18.96	7.97	8.44	5.87	6.10	6.03	5.52	5.31
29	6.31	10.86	19.45	17.02	---	7.42	9.88	6.05	6.10	5.91	5.50	5.29
30	5.99	13.95	18.27	16.04	---	6.97	9.54	12.10	6.05	5.82	5.49	5.26
31	5.81	---	17.04	15.12	---	6.64	---	15.05	---	5.77	5.52	---
MAX	8.15	13.95	21.65	23.27	19.70	21.72	9.88	15.05	14.95	7.02	7.36	5.79
MIN	5.45	5.69	5.81	12.91	11.94	6.64	5.88	5.87	5.95	5.77	5.49	5.26

RED RIVER BASIN

07370000 BAYOU MACON NEAR DELHI, LA

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

DRAINAGE AREA.--782 mi².

PERIOD OF RECORD.--Daily discharge and gage height records October 1935 to September 1992. October 1992 to current year, gage heights and annual maximum discharge only. Monthly discharge only for some periods published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg District; and since January 1932 in reports of Corps of Engineers, Vicksburg District.

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

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

REMARKS.--Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--57 years (water years 1935-1992), 975 ft³/s, 706,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft³/s, Apr. 29, 1991; maximum gage height, 26.86 ft, May 5, 1991; no flow observed, May 25, 26, 28, June 1, 1963, June 11, 1988, and June 12 to July 4, 1988 result of temporary dam; minimum gage height 4.13 ft, June 21, 1988.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,910 ft³/s, Jan. 8, maximum gage height, 21.24 ft, Jan. 8; minimum gage height, 4.98 ft., Jul. 1.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.74	6.91	8.85	7.59	8.40	8.67	7.02	7.17	15.34	5.05	6.59	6.70
2	6.72	6.90	7.77	7.47	11.57	8.07	6.98	6.99	15.76	6.50	6.61	6.72
3	6.71	6.82	7.55	7.40	12.10	7.71	6.96	6.95	15.29	7.49	6.57	6.71
4	6.70	6.77	7.77	7.65	10.30	7.53	6.94	6.89	13.75	7.66	6.59	6.68
5	6.71	6.78	7.55	12.30	8.47	7.45	6.91	6.80	11.15	7.59	6.48	6.65
6	6.71	6.94	7.50	14.94	7.85	7.35	6.90	6.68	9.19	7.60	6.42	6.64
7	6.71	6.92	7.46	19.01	7.64	8.81	6.91	6.41	8.40	7.51	6.91	6.52
8	6.71	6.84	8.51	21.07	7.53	15.56	6.85	6.21	7.86	7.14	7.22	6.47
9	6.71	6.76	8.90	21.02	7.45	18.69	6.63	6.22	7.47	6.74	7.28	6.54
10	6.71	6.73	8.32	20.14	7.57	18.90	6.52	6.52	7.13	6.61	7.23	6.55
11	6.70	6.74	7.93	18.47	10.28	18.01	6.55	6.57	6.86	6.64	7.14	6.94
12	6.69	6.76	7.66	17.45	9.91	16.28	6.64	6.56	6.84	6.83	7.09	7.53
13	6.75	6.77	7.50	16.89	8.57	13.98	6.71	6.58	6.84	7.22	7.23	8.01
14	6.79	6.78	7.38	15.31	7.89	11.25	6.76	6.43	6.83	8.00	7.27	7.78
15	6.76	6.81	7.33	13.44	7.68	8.73	6.72	6.22	6.81	8.65	7.46	7.58
16	6.75	6.82	7.30	13.90	11.26	7.92	6.55	6.26	6.76	8.61	8.29	7.49
17	6.71	6.80	7.26	13.67	14.11	10.66	6.39	6.74	6.70	8.19	7.86	7.51
18	6.71	6.79	7.22	11.96	14.41	10.91	6.54	6.93	6.67	7.78	7.55	7.38
19	6.70	6.84	7.20	9.69	12.99	9.12	7.15	6.88	6.61	7.53	7.30	7.06
20	6.72	6.84	7.19	8.24	10.57	8.15	7.35	6.71	6.56	7.33	7.12	6.84
21	6.76	7.42	9.16	8.35	8.50	7.75	7.14	6.53	6.54	7.02	6.98	6.79
22	6.79	7.71	11.12	13.42	8.60	7.54	6.96	6.37	6.47	6.78	6.85	6.78
23	6.80	7.24	11.19	16.93	10.02	7.41	6.86	6.30	6.06	6.71	6.80	6.92
24	9.39	6.99	16.81	17.05	9.05	7.33	6.79	6.14	5.74	6.68	6.84	7.25
25	8.98	6.85	18.75	15.67	8.20	7.25	6.69	6.09	5.52	6.62	6.87	7.43
26	8.08	6.80	18.14	13.61	8.76	7.23	6.42	6.24	5.40	6.74	6.86	7.54
27	7.79	6.77	16.50	12.50	10.64	7.18	6.30	6.38	5.30	6.83	6.85	7.58
28	7.38	6.79	14.08	11.60	9.88	7.12	7.54	6.58	5.25	6.73	6.83	7.58
29	7.07	10.08	11.27	9.96	---	7.08	7.83	7.25	5.21	6.59	6.72	7.55
30	6.91	10.47	8.70	8.49	---	7.05	7.49	11.30	5.09	6.49	6.68	7.55
31	6.86	---	7.83	7.98	---	7.04	---	13.92	---	6.49	6.68	---
MAX	9.39	10.47	18.75	21.07	14.41	18.90	7.83	13.92	15.76	8.65	8.29	8.01
MIN	6.69	6.73	7.19	7.40	7.45	7.04	6.30	6.09	5.09	5.05	6.42	6.47

RED RIVER BASIN

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

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

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to September 1996, continuous stage and discharge. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only), October 1996 to present, continuous stage and peak discharge only.

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

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

REMARKS.--Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,500 ft³/s, Dec. 28, 1982; maximum gage height, 21.20 ft., from flood mark, Dec. 28, 1982; minimum discharge, 0.40 ft³/s, Aug. 31, 1954; minimum gage height, 2.67 ft, Sep. 26, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.12 ft, Jan. 8; discharge, 11,800 ft³/s; minimum gage height, 3.28 ft, July 7.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.63	4.40	8.39	8.98	10.26	11.61	6.81	7.79	3.70	3.46	3.44	3.43
2	3.60	4.22	8.56	8.33	13.34	11.42	6.83	6.61	3.78	3.43	3.47	3.63
3	3.59	3.97	7.93	7.81	13.04	10.89	7.03	5.70	3.78	3.45	3.46	3.72
4	3.59	3.99	8.22	7.47	12.69	10.18	6.78	5.32	3.75	3.44	3.42	3.74
5	3.58	4.02	8.85	7.83	12.11	9.46	6.40	6.07	3.72	3.40	3.39	3.73
6	3.58	4.11	9.09	9.72	11.45	8.99	6.13	6.46	3.78	3.32	3.41	3.77
7	3.55	4.06	8.68	14.19	10.72	9.65	5.86	5.68	3.97	3.28	3.49	3.68
8	3.64	4.44	8.38	15.99	9.96	11.34	5.64	4.98	4.50	3.37	3.54	3.45
9	3.78	4.76	9.18	15.07	9.31	11.96	5.49	4.58	4.62	3.50	3.53	3.35
10	3.77	4.47	9.65	13.54	8.99	12.24	5.33	4.36	4.23	3.51	3.50	3.38
11	3.73	4.24	9.87	12.47	9.91	12.03	5.14	4.25	3.90	3.48	3.48	3.50
12	3.71	4.10	9.50	12.40	10.65	11.44	4.96	4.13	3.71	3.43	3.46	4.21
13	3.90	4.14	8.46	12.55	10.70	10.76	4.77	3.99	3.60	3.57	3.50	5.86
14	4.08	4.24	7.47	12.30	10.68	10.01	4.63	3.85	3.56	3.73	3.61	6.50
15	3.83	4.29	6.72	12.52	10.39	9.34	4.53	3.73	3.54	3.73	3.89	8.67
16	3.92	4.61	6.31	12.34	10.65	9.21	4.49	3.63	3.49	3.58	4.32	8.99
17	4.21	4.71	6.04	11.82	11.56	11.22	4.46	3.55	3.46	3.55	4.28	8.97
18	3.92	4.51	5.82	11.33	12.24	12.26	4.56	3.54	3.49	3.54	4.02	8.62
19	3.64	4.46	5.62	10.88	12.30	12.52	5.21	3.56	3.51	3.49	3.78	7.06
20	3.43	4.51	5.48	10.31	12.12	12.09	6.27	3.59	3.53	3.46	3.60	5.39
21	3.42	4.48	7.62	9.78	11.72	11.43	7.23	3.59	3.56	3.43	3.49	4.62
22	3.64	4.79	10.44	11.35	11.22	10.69	6.82	3.58	3.57	3.44	3.46	4.33
23	3.85	4.70	11.30	13.39	11.23	9.87	5.88	3.60	3.60	3.40	3.44	4.07
24	8.09	4.53	12.51	13.69	11.25	9.12	5.18	3.56	3.60	3.40	3.38	3.89
25	9.68	4.39	13.20	12.86	11.10	8.63	4.77	3.53	3.54	3.40	3.39	3.95
26	9.34	4.22	13.15	12.08	11.21	8.24	4.55	3.51	3.47	3.39	3.40	4.18
27	8.74	4.09	12.78	11.49	11.65	7.93	4.46	3.49	3.47	3.40	3.39	3.94
28	7.07	4.04	12.07	10.91	11.67	7.70	6.00	3.50	3.45	3.44	3.40	3.76
29	5.70	5.16	11.42	10.46	---	7.43	8.33	3.59	3.44	3.47	3.41	3.65
30	5.07	7.32	10.72	10.15	---	7.19	8.42	3.56	3.46	3.44	3.43	3.62
31	4.64	---	9.87	9.73	---	6.97	---	3.54	---	3.41	3.38	---
MAX	9.68	7.32	13.20	15.99	13.34	12.52	8.42	7.79	4.62	3.73	4.32	8.99
MIN	3.42	3.97	5.48	7.47	8.99	6.97	4.46	3.49	3.44	3.28	3.38	3.35

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in NW 1/4 sec.41, T.9 N., R.1 E., Grant - La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft upstream from Louisiana Midland Railway Co. bridge, 1.1 mi northeast of Zenoria, and 3.0 mi southeast of Rochelle.

DRAINAGE AREA.--1,899 mi².

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

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

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

REMARKS.--Records fair, except for estimated daily discharges which are poor. Natural flow is supplemented by effluent from operation of several oil fields upstream from station.

AVERAGE DISCHARGE.--38 years, (1928-1996), 2,338 ft³/s, 16.72 in/yr, 1,694,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft³/s, Dec. 29, 1982, gage height, 45.88 ft, from floodmark; minimum discharge, 9.6 ft³/s, Sept. 26, 27, 1980, gage height, 4.87 ft. (Extremes do not include the 1997 water year)

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 26,400 ft³/s, Jan. 11; minimum discharge 27 ft³/s, Oct. 3-5; minimum gage height, 4.89 ft, Oct. 10-16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	37	699	856	10200	7800	11300	1560	1220	e167	e47	e30	e31	
2	31	597	913	9290	7080	10700	1280	1260	e153	e44	e30	e31	
3	28	449	911	8150	6670	10100	1150	1290	e146	e50	e29	e30	
4	27	314	981	6920	6620	9250	e1000	1230	e134	e54	e29	e29	
5	28	220	1020	5570	7910	8250	e870	1120	e118	e52	e33	e29	
6	28	156	982	4600	11000	7190	e730	968	e141	e42	e47	e29	
7	28	118	929	6350	12400	6450	e590	809	e165	e34	e138	e29	
8	29	97	1000	8840	11600	7150	e475	641	e193	e33	e150	e30	
9	29	80	1230	14600	10400	8110	e420	506	e202	e38	e143	e29	
10	29	71	1430	24400	9350	9050	e445	387	e195	e49	e132	e29	
11	30	65	1500	26400	8770	10000	e510	370	e170	e54	108	e32	
12	31	63	1460	24900	8340	10700	e550	383	e160	56	83	371	
13	31	65	1380	22100	7800	10500	e565	347	e150	55	65	2550	
14	31	73	1240	19100	7250	9870	e550	320	e138	52	72	3370	
15	31	87	1060	16800	6790	8970	e510	311	e109	44	89	3070	
16	32	94	942	14700	e7600	8040	e495	303	e99	40	87	2660	
17	34	91	875	12700	e8100	8390	e490	294	e90	38	82	2280	
18	37	88	814	11200	e8200	8910	439	290	e84	39	80	1950	
19	39	91	710	10200	e8300	9230	504	281	e75	37	62	1540	
20	41	96	565	9320	e8400	9320	561	275	e71	35	46	1090	
21	41	107	684	8600	e8600	9300	627	270	e62	34	39	780	
22	38	122	1750	9030	e9000	9000	649	264	e54	36	38	620	
23	38	131	2740	9740	e9400	8380	648	253	e63	34	41	533	
24	262	130	5300	10600	e10000	7640	618	244	e53	34	41	439	
25	1070	143	6850	12600	10300	6970	566	240	e54	33	38	329	
26	1330	173	8270	13000	10600	6160	531	229	e67	33	34	230	
27	1270	175	10300	11600	11400	5200	480	219	e92	e32	33	167	
28	1130	165	12000	10500	11600	4300	e338	210	e91	e32	33	127	
29	972	355	12100	9830	---	3400	e545	190	e61	e31	33	113	
30	851	649	11600	9180	---	2640	1050	189	e53	e31	e32	99	
31	765	---	11000	8520	---	1970	---	e170	---	e30	e32	---	
TOTAL	8398	5764	103392	379540	251280	246440	19746	15083	3410	1253	1929	22646	
MEAN	271	192	3335	12240	8974	7950	658	487	114	40.4	62.2	755	
MAX	1330	699	12100	26400	12400	11300	1560	1290	202	56	150	3370	
MIN	27	63	565	4600	6620	1970	338	170	53	30	29	29	
AC-FT	16660	11430	205100	752800	498400	488800	39170	29920	6760	2490	3830	44920	
CFSM	.14	.10	1.76	6.45	4.73	4.19	.35	.26	.06	.02	.03	.40	
IN.	.16	.11	2.03	7.43	4.92	4.83	.39	.30	.07	.02	.04	.44	
WTR YR 1998	TOTAL 1058881			MEAN 2901		MAX 26400		MIN 27		AC-FT 2100000		CFSM 1.53	IN. 20.74

e Estimated

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.16	10.80	11.44	30.84	29.96	31.61	19.75	13.95	10.82	9.19	5.08	5.08
2	5.03	10.26	11.85	30.23	29.28	31.24	19.28	13.76	10.77	8.87	5.08	5.08
3	4.94	9.40	11.85	29.45	28.83	30.81	18.99	13.88	10.75	8.48	5.08	5.07
4	4.92	8.42	12.17	28.41	28.76	30.27	18.71	13.78	10.75	8.11	5.08	5.07
5	4.91	7.58	12.39	26.92	30.04	29.59	18.53	13.44	10.78	7.72	5.08	5.07
6	4.91	6.92	12.24	25.25	32.37	28.80	18.31	13.02	10.92	7.37	5.46	5.07
7	4.91	6.42	11.96	28.29	33.14	28.15	18.10	12.65	11.06	7.02	8.15	5.07
8	4.90	6.09	12.25	30.83	32.76	28.62	17.88	12.35	10.94	6.62	10.63	5.07
9	4.90	5.86	13.23	33.79	32.01	29.32	17.62	12.22	10.90	6.29	9.84	5.07
10	4.89	5.73	14.07	36.19	31.25	29.84	17.37	12.18	10.84	5.97	7.77	5.07
11	4.89	5.63	14.33	36.53	30.81	30.52	17.10	12.24	10.70	5.68	6.52	5.07
12	4.89	5.61	14.18	36.28	30.44	31.01	16.79	12.35	10.55	5.49	5.90	8.21
13	4.89	5.64	13.89	35.80	29.96	31.01	16.39	12.49	10.39	5.48	5.64	19.65
14	4.89	5.75	13.38	35.23	29.44	30.64	15.90	12.69	10.31	5.42	5.74	22.36
15	4.89	5.96	12.66	34.65	28.97	30.05	15.37	12.84	10.27	5.29	5.99	21.49
16	4.90	6.05	12.07	33.98	29.10	29.45	14.80	12.90	10.21	5.22	5.96	20.13
17	4.94	6.01	11.71	33.26	29.43	29.63	14.25	12.94	10.17	5.18	5.89	18.70
18	4.99	5.97	11.42	32.54	29.60	29.95	13.85	12.95	10.14	5.20	5.86	17.40
19	5.03	6.01	10.92	31.86	29.60	30.14	13.59	12.89	10.09	5.16	5.59	15.69
20	5.07	6.08	10.13	31.23	29.62	30.12	13.21	12.80	10.07	5.12	5.33	13.52
21	5.07	6.22	10.55	30.67	29.66	30.11	12.90	12.77	10.05	5.11	5.20	11.76
22	5.02	6.37	15.29	31.01	29.80	29.93	12.58	12.64	10.04	5.14	5.19	10.72
23	5.02	6.46	18.66	31.53	30.27	29.56	12.27	12.49	10.03	5.11	5.24	10.11
24	7.25	6.46	25.26	32.09	30.66	29.04	11.93	12.33	10.01	5.10	5.24	9.47
25	12.41	6.54	27.66	33.21	30.83	28.44	11.53	12.18	10.01	5.09	5.18	8.65
26	13.67	6.85	29.06	33.37	31.07	27.70	11.18	12.02	10.01	5.09	5.11	7.81
27	13.46	6.92	30.63	32.75	31.62	26.71	10.87	11.84	9.98	5.09	5.09	7.10
28	12.92	6.85	31.76	32.08	31.82	25.41	12.35	11.60	9.94	5.09	5.08	6.60
29	12.21	8.24	31.98	31.59	---	23.84	14.68	11.32	9.91	5.09	5.08	6.25
30	11.62	10.30	31.74	31.13	---	22.17	14.83	11.13	9.56	5.09	5.08	6.00
31	11.16	---	31.33	30.59	---	20.67	---	10.98	---	5.09	5.08	---
MAX	13.67	10.80	31.98	36.53	33.14	31.61	19.75	13.95	11.06	9.19	10.63	22.36
MIN	4.89	5.61	10.13	25.25	28.76	20.67	10.87	10.98	9.56	5.09	5.08	5.07

RED RIVER BASIN

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

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

DRAINAGE AREA.--51 mi², approximately.

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

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

GAGE.--Water-stage recorder with a concrete control. Datum of gage is 76.69 ft above sea level. See WDR-LA-88-1 for history of changes prior to Oct. 1, 1988.

REMARKS.--Satellite telemetry and raingage at site. Records good. No estimated discharge.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 24	1000	1,010	8.95	Jan. 22	1000	1,020	8.99
Jan. 7	1200	*2,610	*11.54				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	20	31	37	48	79	46	39	18	13	11	14
2	15	19	28	36	54	66	40	35	16	14	12	12
3	15	18	49	36	65	59	43	31	16	14	14	11
4	15	17	54	37	51	57	39	30	16	14	11	10
5	15	18	33	48	46	56	36	29	20	13	11	9.9
6	15	21	29	317	44	56	36	28	80	13	31	10
7	15	21	28	2000	42	142	36	29	30	12	41	10
8	15	20	51	667	41	301	35	28	23	11	31	10
9	15	20	43	148	41	113	31	26	20	12	20	9.8
10	16	24	34	95	63	73	31	25	19	14	17	9.4
11	16	25	29	75	185	63	29	24	18	13	15	24
12	15	28	27	257	74	58	29	23	17	12	15	392
13	23	35	26	153	56	56	29	23	20	12	14	554
14	27	28	26	92	50	54	30	23	17	14	15	82
15	19	25	26	108	77	53	30	23	17	15	15	62
16	17	26	25	101	193	140	30	23	24	14	15	47
17	17	23	25	70	168	454	31	23	20	13	14	35
18	16	24	25	60	87	136	62	21	17	12	14	29
19	16	38	25	55	66	88	93	21	16	11	13	26
20	17	30	24	51	65	70	45	21	16	12	13	24
21	16	26	134	66	57	63	35	20	15	17	12	24
22	16	24	77	803	267	58	33	20	14	28	12	24
23	21	23	309	341	229	54	31	20	14	17	12	22
24	180	22	869	106	90	51	30	20	14	14	12	20
25	44	21	187	79	70	50	28	20	13	15	12	19
26	26	21	78	71	363	48	28	19	13	24	12	19
27	23	21	64	64	335	47	30	19	14	16	11	18
28	21	25	53	57	109	46	242	19	15	13	11	17
29	21	145	47	54	---	44	73	19	16	13	10	16
30	21	45	42	52	---	42	48	21	15	12	11	16
31	21	---	39	49	---	43	---	19	---	11	17	---
TOTAL	745	853	2537	6185	3036	2720	1359	741	583	438	474	1576.1
MEAN	24.0	28.4	81.8	200	108	87.7	45.3	23.9	19.4	14.1	15.3	52.5
MAX	180	145	869	2000	363	454	242	39	80	28	41	554
MIN	15	17	24	36	41	42	28	19	13	11	10	9.4
AC-FT	1480	1690	5030	12270	6020	5400	2700	1470	1160	869	940	3130
CFSM	.47	.56	1.60	3.91	2.13	1.72	.89	.47	.38	.28	.30	1.03
IN.	.54	.62	1.85	4.51	2.21	1.98	.99	.54	.43	.32	.35	1.15

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1998, BY WATER YEAR (WY)

MEAN	33.2	48.0	69.7	97.1	111	100	99.9	83.8	42.1	34.6	25.0	29.3
MAX	288	391	470	352	474	313	462	698	284	240	105	161
(WY)	1985	1988	1983	1990	1966	1995	1991	1953	1989	1969	1961	1985
MIN	7.87	12.4	15.7	19.4	25.1	23.5	21.5	15.4	10.1	9.22	6.85	5.82
(WY)	1964	1968	1955	1956	1964	1955	1956	1956	1963	1956	1963	1956

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1943 - 1998		
ANNUAL TOTAL	22841			21247.1					
ANNUAL MEAN	62.6			58.2			64.6		
HIGHEST ANNUAL MEAN							139		
LOWEST ANNUAL MEAN							22.7		
HIGHEST DAILY MEAN	2160	Feb	13	2000	Jan	7	10100	May	17
LOWEST DAILY MEAN	15	Apr	22	9.4	Sep	10	3.9	Sep	28
ANNUAL SEVEN-DAY MINIMUM	15	Oct	2	9.9	Sep	4	4.1	Sep	24
INSTANTANEOUS PEAK FLOW				2610	Jan	7	23500	Apr	29
INSTANTANEOUS PEAK STAGE				11.54	Jan	7	18.58	Nov	16
INSTANTANEOUS LOW FLOW				9.4	Sep	10	3.7	Sep	29
INSTANTANEOUS LOW STAGE				2.73	Sep	10			
ANNUAL RUNOFF (AC-FT)	45310			42140			46820		
ANNUAL RUNOFF (CFSM)	1.23			1.14			1.27		
ANNUAL RUNOFF (INCHES)	16.66			15.50			17.22		
10 PERCENT EXCEEDS	101			92			95		
50 PERCENT EXCEEDS	29			25			30		
90 PERCENT EXCEEDS	17			13			13		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.90	2.98	3.14	3.20	3.31	3.53	3.29	3.23	2.94	2.85	2.79	2.85
2	2.88	2.96	3.10	3.19	3.36	3.45	3.24	3.18	2.91	2.85	2.81	2.80
3	2.87	2.94	3.30	3.19	3.44	3.40	3.26	3.14	2.90	2.85	2.85	2.77
4	2.87	2.93	3.35	3.21	3.34	3.39	3.23	3.13	2.90	2.86	2.79	2.76
5	2.87	2.95	3.16	3.31	3.29	3.38	3.20	3.11	2.96	2.85	2.78	2.75
6	2.88	3.00	3.11	5.01	3.28	3.37	3.19	3.10	3.52	2.83	3.08	2.76
7	2.88	2.99	3.09	10.75	3.26	3.84	3.19	3.10	3.12	2.82	3.24	2.76
8	2.88	2.97	3.33	6.86	3.25	4.80	3.18	3.09	3.03	2.79	3.14	2.76
9	2.87	2.97	3.26	3.88	3.24	3.71	3.14	3.07	2.98	2.81	2.98	2.75
10	2.89	3.04	3.17	3.62	3.39	3.50	3.14	3.06	2.96	2.86	2.92	2.74
11	2.89	3.05	3.12	3.51	4.07	3.43	3.12	3.04	2.94	2.83	2.88	2.98
12	2.88	3.09	3.09	4.53	3.50	3.39	3.11	3.03	2.93	2.81	2.87	5.49
13	3.01	3.18	3.08	3.91	3.38	3.37	3.11	3.02	2.96	2.80	2.87	6.70
14	3.08	3.10	3.07	3.60	3.33	3.37	3.13	3.02	2.92	2.86	2.89	3.54
15	2.96	3.06	3.07	3.68	3.48	3.35	3.12	3.03	2.91	2.88	2.89	3.42
16	2.93	3.06	3.06	3.65	4.11	3.90	3.12	3.02	3.04	2.86	2.88	3.30
17	2.91	3.03	3.05	3.48	3.98	5.97	3.13	3.02	2.98	2.83	2.86	3.19
18	2.91	3.04	3.05	3.41	3.57	3.82	3.39	2.99	2.93	2.80	2.85	3.11
19	2.91	3.21	3.05	3.37	3.45	3.58	3.59	2.99	2.91	2.79	2.84	3.07
20	2.91	3.12	3.05	3.34	3.44	3.48	3.28	2.99	2.91	2.80	2.83	3.04
21	2.91	3.07	3.77	3.43	3.39	3.43	3.18	2.98	2.88	2.89	2.82	3.03
22	2.90	3.05	3.50	8.01	4.72	3.39	3.16	2.98	2.87	3.10	2.82	3.05
23	2.96	3.02	5.03	5.16	4.38	3.36	3.13	2.97	2.86	2.91	2.81	3.01
24	4.04	3.01	8.37	3.68	3.59	3.34	3.12	2.97	2.85	2.85	2.80	2.98
25	3.26	3.00	4.15	3.53	3.48	3.33	3.10	2.97	2.84	2.87	2.81	2.96
26	3.06	3.00	3.53	3.48	5.39	3.31	3.09	2.97	2.84	3.03	2.80	2.95
27	3.02	2.99	3.44	3.44	5.12	3.30	3.12	2.96	2.86	2.89	2.79	2.95
28	3.00	3.03	3.36	3.39	3.69	3.29	4.42	2.96	2.88	2.84	2.77	2.93
29	2.99	3.86	3.30	3.36	---	3.28	3.49	2.96	2.89	2.83	2.77	2.91
30	2.99	3.28	3.26	3.35	---	3.26	3.31	2.99	2.87	2.81	2.78	2.91
31	3.00	---	3.23	3.32	---	3.27	---	2.96	---	2.80	2.92	---
MAX	4.04	3.86	8.37	10.75	5.39	5.97	4.42	3.23	3.52	3.10	3.24	6.70
MIN	2.87	2.93	3.05	3.19	3.24	3.26	3.09	2.96	2.84	2.79	2.77	2.74

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

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

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

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1954 to September 1972, October 1974 to April 17, 1990.

WATER TEMPERATURES: August 1954 to September 1972, October 1974 to April 17, 1990.

SULFATE: October 1974 to September 1978.

CHLORIDE: October 1974 to April 17, 1990.

DISSOLVED SOLIDS: October 1978 to April 17, 1990.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURES: Maximum daily, 32.0 °C July 24, 1983; minimum daily, 1.0 °C Jan. 29, 30, 1961, Dec. 25, 1989.

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

CHLORIDE: Maximum daily, 63 mg/L July 5, 1977; minimum daily, 7.2 mg/L Nov. 2, 1984.

DISSOLVED SOLIDS: Maximum, 321 mg/L Jan. 21-31, 1981; minimum, 125 mg/L Mar. 1-10, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)
NOV											
17...	1330	305000	465	7.61	24.0	5	21	<1.0	10.4	--	190
DEC											
16...	1130	343000	540	7.61	7.0	5	21	<1.0	11.5	1.5	550
JAN											
28...	1230	889000	310	7.75	7.0	15	54	<1.0	11.3	1.4	1100
FEB											
27...	1145	872000	316	7.58	8.5	20	62	<1.0	10.5	1.4	900
MAR											
18...	1050	759000	350	7.68	9.0	5	54	<1.0	11.0	2.5	1200
APR											
02...	1200	959000	349	7.92	13.5	20	--	<1.0	8.9	.5	330
30...	1230	794000	337	8.03	17.0	5	24	<1.0	8.5	1.7	K350
MAY											
13...	1200	901000	360	7.84	20.0	10	26	<1.0	7.9	1.5	260
28...	1200	787000	341	7.80	25.0	15	21	<1.0	5.9	1.1	580
JUN											
09...	1145	541000	350	7.94	26.0	5	46	<1.0	5.9	.8	K240
25...	1230	620000	370	8.02	26.0	5	49	<1.0	8.4	.7	K280
30...	1330	--	--	--	--	--	--	--	--	--	--
JUL											
09...	1100	708000	354	7.98	26.0	5	53	<1.0	6.1	.9	K29
30...	1130	471000	375	7.92	30.0	15	59	<1.0	6.1	.6	K300
AUG											
19...	1230	414000	321	7.89	28.5	10	41	<1.0	6.1	.3	200
SEP											
28...	1130	254000	471	8.27	27.5	5	20	<1.0	7.4	1.3	K250

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

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

LOWER MISSISSIPPI RIVER BASIN
07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCHI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS, TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV 17...	K19	K22	160	39	14	31	3.7	121	73	25	.2
DEC 16...	73	52	170	44	15	41	3.5	110	91	37	.2
JAN 28...	160	120	120	32	8.6	17	2.9	80	38	21	.2
FEB 27...	K60	140	110	31	9.0	16	2.5	83	35	17	.1
MAR 18...	180	K42	120	33	10	17	2.5	90	36	22	.1
APR 02...	K14	K16	--	--	--	--	--	90	--	--	--
30...	K43	K32	140	37	11	12	3.4	98	35	15	.2
MAY 13...	K33	K47	140	38	11	15	3.0	101	42	17	.2
28...	K10	K10	140	36	11	11	2.8	121	27	10	<.1
JUN 09...	K72	K12	150	40	13	15	3.3	107	45	16	.2
25...	100	K26	150	40	12	14	3.0	107	45	14	.2
30...	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	K28	K49	150	40	12	11	3.6	112	32	13	.2
30...	K19	K42	150	41	12	13	3.8	121	33	16	.2
AUG 19...	140	K6	110	30	9.6	12	3.2	104	31	13	.2
SEP 28...	K9	<3	170	43	15	23	3.7	145	58	23	.2
DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV 17...	8.2	270	266	<.01	.90	<.02	.3	.2	.11	.05	--
DEC 16...	5.8	336	308	<.01	1.0	<.02	.3	.2	.08	.04	.06
JAN 28...	6.6	196	180	.02	1.2	.03	.6	.3	.17	.03	.05
FEB 27...	5.9	178	169	.01	1.2	.03	.6	.2	.23	.04	.05
MAR 18...	6.2	193	188	.03	1.6	.03	.4	.3	.15	.07	.04
APR 02...	--	--	--	--	--	--	--	--	--	--	--
30...	6.6	198	192	.02	2.0	.04	.5	.3	.14	.04	.06
MAY 13...	6.1	206	201	.02	1.9	.03	.4	.3	.06	.04	.06
28...	5.7	--	174	.02	1.6	<.02	.6	.3	.15	.06	.06
JUN 09...	6.5	230	216	.01	2.0	.05	.7	.2	.23	.08	.08
25...	7.0	223	210	<.01	2.1	.03	.9	.3	.30	.07	--
30...	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	7.9	225	201	<.01	2.6	.04	.4	.2	.16	.09	.11
30...	8.8	230	209	<.01	1.8	.02	.8	.2	.35	.07	--
AUG 19...	6.3	192	170	.11	.58	.07	.6	.2	.22	.08	.10
SEP 28...	5.3	288	263	<.01	.92	<.02	--	--	.11	.09	.08

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

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

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INIUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
NOV 17...	2	<1	1	57	<1	62	<1	<1	<1	2	<3	<1
DEC 16...	2	<1	1	63	<1	69	<1	2	<1	2	<10	<1
JAN 28...	--	<1	1	49	<1	31	<1	2	<1	2	--	<1
FEB 27...	3	<1	<1	43	<1	29	<1	1	<1	2	<10	<1
MAR 18...	6	<1	<1	48	<1	26	<1	<1	<1	1	<10	<1
APR 02...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	7	<1	1	53	<1	33	<1	2	<1	2	<10	<1
JUN 13...	2	<1	1	57	<1	31	<1	1	<1	2	<10	<1
JUN 28...	2	<1	1	56	<1	30	<1	2	<1	2	<10	<1
JUN 09...	3	<1	1	58	<1	41	<1	1	<1	2	<10	<1
JUN 25...	5	<1	1	57	<1	40	<1	2	<1	2	<10	<1
JUL 30...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	5	<1	2	58	<1	35	<1	1	<1	2	<10	<1
JUL 30...	4	<1	2	63	<1	40	<1	1	<1	2	<10	<1
AUG 19...	5	<1	2	51	<1	34	<1	2	<1	2	<10	<1
SEP 28...	5	<1	2	71	<1	60	<1	<1	<1	2	<10	<1
DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
NOV 17...	15	3	3	2	<1	<1	220	<6	2	2	3.0	7.4
DEC 16...	14	3	3	2	<1	<1	260	<10	2	2	3.0	.5
JAN 28...	5	5	1	2	<1	<1	150	<10	2	<1	4.2	2.1
FEB 27...	4	1	1	1	<1	<1	140	<10	2	<1	5.1	.4
MAR 18...	7	4	1	2	<1	<1	140	<10	5	<1	3.7	2.6
APR 02...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	4	2	1	2	<1	<1	160	<10	1	1	5.5	.7
JUN 13...	5	1	1	2	<1	<1	160	<10	2	1	3.5	1.2
JUN 28...	5	<1	1	2	<1	<1	150	<10	2	<1	4.0	1.0
JUN 09...	7	<1	2	2	<1	<1	170	<10	--	1	3.7	3.9
JUN 25...	7	<1	2	1	<1	<1	160	<10	1	1	3.7	3.1
JUL 30...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	6	<1	2	1	<1	<1	160	<10	2	1	3.9	3.0
JUL 30...	9	<1	2	2	<1	<1	150	<10	3	1	3.7	3.1
AUG 19...	5	<1	2	1	<1	<1	130	<10	4	<1	3.6	2.3
SEP 28...	11	<1	3	2	<1	<1	210	<10	3	2	--	--

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

LOWER MISSISSIPPI RIVER BASIN
07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
NOV 17...	<.007	<.002	.018	E.009	E.013	.010	<.003	<.002	<.006	<.004	<.004
DEC 16...	<.007	<.002	.022	E.009	E.030	.021	<.003	<.002	<.006	<.004	<.004
JAN 28...	<.007	<.002	.023	E.004	E.024	.020	<.003	<.002	<.006	<.004	<.004
FEB 27...	<.007	<.002	.020	E.004	E.018	.012	<.003	<.002	<.006	<.004	<.004
MAR 18...	<.007	<.002	.018	E.003	E.022	.022	<.003	<.002	<.006	<.004	<.004
APR 02...	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	<.007	<.002	.091	E.008	E.024	.061	<.003	<.002	<.006	<.004	<.004
JUN 13...	<.007	<.002	.115	E.011	E.052	.163	<.003	<.002	<.006	<.004	<.004
JUN 28...	<.007	<.002	.144	E.011	E.097	.288	<.003	<.002	<.006	<.004	<.004
JUN 09...	<.007	<.002	.122	E.012	E.122	.375	<.003	<.002	<.006	<.004	<.004
JUN 25...	<.007	<.002	.088	.019	E.268	.193	<.003	<.002	<.006	<.004	<.004
JUN 30...	<.007	<.002	.077	E.014	E.190	.153	<.003	<.002	E.002	<.004	<.004
JUL 09...	<.007	<.002	.065	E.013	E.445	.132	<.003	<.002	<.006	<.004	<.004
JUL 30...	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	<.007	<.002	.021	E.012	E.084	.059	<.003	<.002	<.006	<.004	<.004
SEP 28...	<.007	<.002	.016	E.009	E.069	.026	<.003	<.002	<.006	<.004	<.004
DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
NOV 17...	<.001	.046	<.005	<.004	E.004	.120	.006	.014	<.004	<.003	<.002
DEC 16...	<.001	.037	<.005	<.004	.006	.118	.006	<.002	<.004	<.003	<.002
JAN 28...	<.001	.050	<.005	<.004	E.001	.122	E.002	.007	<.004	<.003	<.002
FEB 27...	<.001	.033	<.005	<.004	<.002	.072	E.003	.012	<.004	<.003	<.002
MAR 18...	<.001	.062	<.005	<.004	E.002	.080	<.002	.007	<.004	<.003	<.002
APR 02...	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	<.001	.226	<.005	<.004	E.003	.617	.013	.066	.009	<.003	E.003
JUN 13...	<.001	.515	<.005	<.004	E.003	1.55	.025	.192	.013	<.003	<.002
JUN 28...	<.001	.855	<.005	<.004	<.002	1.86	.026	.213	.019	<.003	<.002
JUN 09...	<.001	1.36	.005	<.004	<.002	1.88	.053	.558	.042	<.003	<.002
JUN 25...	<.001	.862	<.005	<.004	.006	1.11	.050	.222	.032	<.003	.006
JUN 30...	E.001	.781	<.005	<.004	.005	.901	.043	.214	.023	<.003	.006
JUL 09...	<.001	1.09	<.005	<.004	.004	.904	.038	.185	.025	<.003	<.002
JUL 30...	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	<.001	.194	.012	<.004	<.002	.392	.008	.013	<.004	<.003	<.002
SEP 28...	<.001	.064	E.003	<.004	<.002	.240	<.002	E.004	<.004	<.003	<.002

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

LOWER MISSISSIPPI RIVER BASIN
07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
NOV 17...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004	<.003
DEC 16...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004	<.003
JAN 28...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.009	<.004	<.003
FEB 27...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.006	<.004	<.003
MAR 18...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.010	<.004	<.003
APR 02...	--	--	--	--	--	--	--	--	--	--
30...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.009	<.004	<.003
MAY 13...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.011	<.004	<.003
28...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.012	<.004	<.003
JUN 09...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	.049	<.003
25...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.015	<.004	<.003
30...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.012	E.002	<.003
JUL 09...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.010	<.004	<.003
30...	--	--	--	--	--	--	--	--	--	--
AUG 19...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.008	.004	<.003
SEP 28...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.010	<.004	<.003
DATE	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
NOV 17...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
DEC 16...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JAN 28...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
FEB 27...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	E.012	<.002	<.002
MAR 18...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
APR 02...	--	--	--	--	--	--	--	--	--	--
30...	<.002	E.006	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
MAY 13...	<.002	E.015	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
28...	<.002	E.006	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JUN 09...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
25...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
30...	<.002	E.007	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JUL 09...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
30...	--	--	--	--	--	--	--	--	--	--
AUG 19...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
SEP 28...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002

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

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL-AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
17...	<.004	<.003	<.013	<.001	<.005	1.3	<.10	76	62600	93
DEC										
16...	<.004	<.003	<.013	<.001	<.005	.58	<.10	72	66700	61
JAN										
28...	<.004	<.003	<.013	<.001	<.005	1.8	<.10	160	384000	69
FEB										
27...	<.004	<.003	<.013	<.001	<.005	.32	<.10	278	655000	69
MAR										
18...	<.004	<.003	<.013	<.001	<.005	1.2	<.10	233	477000	73
APR										
02...	--	--	--	--	--	--	--	214	554000	63
30...	<.004	<.003	<.013	<.001	<.005	1.3	<.10	140	300000	74
MAY										
13...	<.004	<.003	<.013	<.001	<.005	1.8	<.10	105	255000	64
28...	<.004	<.003	<.013	<.001	<.005	1.5	<.10	--	--	--
JUN										
09...	<.004	<.003	<.013	<.001	<.005	1.2	<.10	222	324000	90
25...	<.004	<.003	<.013	<.001	<.005	.88	<.10	230	385000	96
30...	<.004	<.003	<.013	<.001	<.005	--	--	--	--	--
JUL										
09...	<.004	<.003	<.013	<.001	<.005	.73	<.10	227	434000	86
30...	--	--	--	--	--	2.2	<.10	185	235000g	98
AUG										
19...	<.004	<.003	<.013	<.001	<.005	1.1	<.10	96	107000	99
SEP										
28...	<.004	<.003	<.013	<.001	<.005	6.4	<.10	183	126000	97

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)

LOCATION.--Lat 29°56'19", long 90°21'49", T.13 S., R.21 E., St. Charles Parish, Hydrologic Unit 08090100, cross section of river at Luling-Destrehan ferry crossing, 17 mi west of New Orleans, and at mile 120.6.

DRAINAGE AREA.--1,125,800 mi², arbitrarily determined.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1957 to September 1972, October 1974 to September 1975, October 1976 to April 19, 1990.

WATER TEMPERATURES: October 1957 to September 1972, October 1977 to April 19, 1990.

CHLORIDE: October 1974 to September 1975, October 1976 to April 19, 1990.

SULFATE: October 1974 to September 1975, October 1976 to September 1978.

DISSOLVED SOLIDS: October 1978 to April 19, 1990.

REMARKS.--All dissolved constituents are results from water that has been filtered through 0.45 micron filters.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 636 micromhos Oct. 12, 1959; minimum daily, 194 micromhos Dec. 18, 1983.

WATER TEMPERATURES: Maximum daily, 38.5 °C July 6, 7, 13, 1984; minimum daily, 2.0 °C Jan. 14, 15, 1984.

CHLORIDE: Maximum daily, 69 mg/L June 24, 1977; minimum daily, 11 mg/L Mar. 22, 1975, June 12, 1983, Mar. 7-10, 12-16, 1989.

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

DISSOLVED SOLIDS: Maximum, 339 mg/L Nov. 21-30, 1978; minimum, 151 mg/L Mar. 11-20, 1989, Feb. 11-20, 1990.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

CHLORIDE: Minimum, 8.3 mg/L Dec. 20, 1988.

SULFATE: Minimum, 20 mg/L Mar. 13, 1991.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS/ 100 ML) (31625)
DEC 17...	1030	556	7.81	8.5	5	36	<1.0	11.3	1.4	K95	K38
MAR 03...	1130	316	7.72	9.5	30	90	<1.0	10.4	.7	600	K35
MAY 14...	1130	377	7.29	20.5	5	37	<1.0	7.6	1.4	280	K22
JUL 06...	0950	356	7.83	26.0	15	180	<1.0	6.0	.1	K110	K50
AUG 25...	1015	385	8.08	29.5	20	48	<1.0	6.3	1.4	280	58
SEP 16...	1100	458	8.44	29.0	5	16	<1.0	9.8	2.4	520	--
DATE	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS Ca) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg) (00925)	ANC WATER UNFLTRD FET FIELD MG/L AS CaCO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG C, SUS- PENDEd (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)
DEC 17...	180	47	16	116	95	36	.34	6.7	342	--	.014
MAR 03...	110	29	8.6	88	37	18	.20	6.0	196	--	.020
MAY 14...	150	40	12	100	43	22	.20	6.6	236	--	.016
JUL 06...	150	39	12	105	38	16	.24	8.0	230	260	<.010
AUG 25...	140	36	12	114	39	21	.28	7.3	242	94	<.010
SEP 16...	170	44	15	140	51	26	.37	--	284	35	.010

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

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
DEC 17...	.011	1.2	1.2	.05	.049	<.20	<.20	.14	.09	.09	.07
MAR 03...	.020	1.4	1.4	.05	.022	.55	.23	.23	.09	.16	.06
MAY 14...	.022	1.8	1.7	.03	.022	.54	.27	.15	.06	.06	.06
JUL 06...	<.010	2.8	2.8	<.01	.012	1.1	.31	.30	.09	.12	.09
AUG 25...	<.010	1.4	1.4	<.01	<.010	.52	.31	.23	.12	.11	.10
SEP 16...	<.010	.73	.74	<.01	<.010	.50	<.20	.14	.08	.10	.09
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TRI- FLUR- ALIN, WATER, DISS, REC (UG/L) (04023)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	HEXA- ZINONE, WATER, DISS, REC (UG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (UG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (UG/L) (04027)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (UG/L) (04030)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)
DEC 17...	4.0	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
MAR 03...	6.5	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
MAY 14...	5.2	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JUL 06...	8.9	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
AUG 25...	5.5	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
SEP 16...	4.8	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
DATE	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	VERNO- LATE, WATER, DISS, REC (UG/L) (04034)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	PROP- AZINE WATER DISS REC (UG/L) (38535)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)
DEC 17...	<.050	<.050	E.030	<.050	<.050	<.05	.053	E.049	<.050	<.050	.064
MAR 03...	<.050	<.050	E.023	<.050	<.050	<.05	E.034	<.200	<.050	<.050	E.034
MAY 14...	<.050	<.050	.089	<.050	<.050	E.030	.097	E.150	<.050	<.050	.301
JUL 06...	<.050	<.050	E.036	<.050	<.050	.187	.597	E.065	<.050	<.050	1.1
AUG 25...	<.050	<.050	E.035	<.050	<.050	.097	.165	E.082	<.050	<.050	.170
SEP 16...	<.050	<.050	E.021	<.050	<.050	.067	.113	E.034	<.050	<.050	.094

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

E Estimated.

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	2,4-DP TOTAL (UG/L) (82183)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
DEC										
17...	.15	.02	<.01	<.01	<.05	<.05	<.01	<.05	.38	<.10
MAR										
03...	.08	.11	<.01	<.01	<.05	<.05	<.01	<.05	1.6	<.10
MAY										
14...	1.1	.06	<.01	<.01	E.01	.10	<.01	<.05	1.1	<.10
JUL										
06...	.22	<.01	<.01	<.01	E.04	.17	<.01	.08	--	--
AUG										
25...	.38	<.01	<.01	<.01	<.05	<.05	<.01	<.05	.32	<.10
SEP										
16...	.29	<.01	<.01	<.01	<.05	<.05	<.01	<.05	12	E.20

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

E Estimated.

LOWER MISSISSIPPI RIVER BASIN
07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°51'25", long 89°58'40", in lot 20, T.14 S., R.12 E., Plaquemines Parish, Hydrologic Unit 08090100, at ferry crossing at Belle Chasse and at mile 76.0.

DRAINAGE AREA.--1,125,930 mi², arbitrarily determined.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to May 1990.

WATER TEMPERATURES: October 1975 to May 1990.

CHLORIDE: October 1974 to May 1990.

SULFATE: October 1974 to September 1978.

DISSOLVED SOLIDS: October 1978 to May 1990.

REMARKS.--Dissolved constituents are results from water that has been filtered through 0.45 micron filters.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 1.5 °C was observed on Feb. 9, 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 692 microsiemens Jan. 31, 1981; minimum daily, 223 microsiemens Mar. 7, 1989.

WATER TEMPERATURES: Maximum daily, 38.0 °C June 9, 1984; minimum daily, 2.0 °C Feb. 7, 1984.

CHLORIDE: Maximum daily, 85 mg/L June 26, 27, 1977; minimum daily, 11 mg/L Apr. 21, May 12, 1975, May 12, 1984, Mar. 7, 1989.

SULFATE: Maximum daily, 93 mg/L Oct. 30, 1976; minimum daily, 28 mg/L Feb. 3, 1975.

DISSOLVED SOLIDS: Maximum, 415 mg/L Nov. 1-10, 1988; minimum, 145 mg/L Feb. 21-28, 1989, Mar. 1-10, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)		
	NOV 20...	1400	469	8.5	12.6	10	9.7	K2100	240	K2100	123	
	DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L ASC) (00689)	
	NOV 20...	.01	.85	<.02	.2	.2	.10	.06	.09	3	.4	
DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
	NOV 20...	<.007	<.002	.0169	E.0080	E.0112	.0090	<.003	<.002	<.006	<.004	<.001
DATE	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
	NOV 20...	.0439	<.005	<.004	.0042	.109	.0046	.0076	<.004	<.003	<.002	<.004

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

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

LOWER MISSISSIPPI RIVER BASIN

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	
	NOV 20...	<.007	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
	DATE	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL-AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
	NOV 20...	<.017	<.001	<.004	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005	
						SED. SUSP. SEDI-MENT, SUS-PENDED (MG/L) (80154)	SIEVE DIAM. % FINER THAN .062 MM (70331)						
						DATE							
						NOV 20...	26	95					

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

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA

LOCATION.--Lat 29°42'29", long 89°43'10", Plaquemines Parish, Hydrologic Unit 08090203, on a three-pile platform 8 miles southeast of Delacroix.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--May 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 10.42 ft, Sep. 27, 1998; minimum, 1.25 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT PERIOD.--May 1997 to September 1997: Maximum gage height, 7.03 ft, July 18; minimum, 2.60 ft., July 20.

Water Year 1998: Maximum elevation, 10.42 ft, Sep. 27; minimum, 1.25 ft, Dec. 31.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										4.29	3.04	3.68
22										4.51	2.94	3.83
23										4.50	3.25	3.95
24										4.81	3.18	4.00
25										4.58	3.43	3.98
26										4.37	3.42	3.93
27										4.31	3.12	3.73
28										4.32	2.99	3.70
29										4.77	3.70	4.34
30										4.82	4.28	4.61
31										4.56	3.59	4.10
MONTH										---	---	---

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	4.31	3.40	3.93	4.25	2.96	3.77	5.08	3.33	4.40	4.38	3.63	4.03
2	4.39	3.19	3.88	4.08	2.89	3.49	5.12	4.26	4.74	4.57	3.81	4.24
3	4.61	3.19	4.01	4.06	2.87	3.46	5.07	4.18	4.67	4.38	3.56	3.92
4	4.57	3.20	3.94	4.41	2.94	3.77	4.58	3.73	4.21	4.36	3.83	4.17
5	4.65	3.33	4.06	4.75	3.22	3.99	4.39	3.48	3.86	5.66	4.13	4.87
6	5.16	4.04	4.66	---	---	---	4.54	3.49	4.05	5.85	5.40	5.60
7	4.90	3.89	4.39	---	---	---	4.36	3.70	4.06	5.42	4.79	5.12
8	4.94	3.63	4.34	---	---	---	4.19	3.65	3.93	5.13	4.39	4.72
9	5.47	4.06	4.78	4.00	3.17	3.68	4.26	3.66	3.93	4.85	3.99	4.45
10	6.38	5.30	5.79	3.71	2.98	3.45	4.36	3.51	3.91	4.66	3.67	4.24
11	5.92	5.04	5.30	3.64	3.16	3.43	4.18	3.51	3.81	4.87	3.92	4.40
12	5.06	4.51	4.85	3.87	3.23	3.59	4.41	3.48	3.96	4.86	4.02	4.48
13	4.51	3.93	4.25	4.04	3.23	3.67	4.38	3.35	3.92	4.87	4.10	4.57
14	4.09	3.34	3.84	4.52	3.44	3.95	4.35	3.23	3.85	4.85	4.01	4.50
15	4.09	3.34	3.71	4.45	3.54	4.06	4.31	3.19	3.79	4.80	3.97	4.40
16	4.32	3.28	3.88	4.48	3.36	4.06	4.57	3.19	4.01	4.74	4.06	4.38
17	4.17	3.13	3.66	4.48	3.34	4.11	4.58	3.41	4.04	4.69	4.05	4.33
18	4.23	2.85	3.76	7.03	4.25	5.60	4.49	3.41	3.98	4.59	4.02	4.36
19	4.40	2.78	3.67	4.25	2.84	3.65	4.40	3.40	3.91	4.84	4.00	4.42
20	4.31	2.97	3.65	3.97	2.60	3.27	3.91	3.28	3.56	4.98	4.12	4.56
21	4.51	2.93	3.79	4.06	2.78	3.45	4.05	3.21	3.59	4.72	3.78	4.24
22	4.44	3.07	3.79	4.03	2.84	3.43	4.17	3.75	4.00	4.50	3.55	4.07
23	4.23	3.02	3.64	3.99	2.97	3.60	4.50	3.85	4.15	4.75	3.82	4.31
24	4.54	3.11	3.91	4.03	3.28	3.74	4.49	3.77	4.14	4.71	3.61	4.27
25	4.14	3.57	3.89	3.78	3.43	3.61	4.56	3.91	4.30	4.23	3.04	3.72
26	4.08	3.50	3.82	3.72	3.29	3.54	4.82	3.92	4.46	4.48	3.24	3.97
27	4.11	3.60	3.83	4.16	3.36	3.75	4.49	3.50	4.10	4.48	3.64	4.18
28	4.15	3.53	3.86	4.35	3.22	3.87	4.17	3.38	3.79	4.35	3.53	4.10
29	4.42	3.51	4.02	4.28	3.15	3.83	4.35	3.39	3.95	3.73	3.16	3.43
30	4.43	3.32	4.02	4.50	3.15	3.91	4.26	3.42	3.86	3.66	3.14	3.33
31	---	---	---	4.59	3.29	4.02	4.26	3.44	3.93	---	---	---
MONTH	6.38	2.78	4.10	---	---	---	5.12	3.19	4.03	5.85	3.04	4.31

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	3.59	2.83	3.16	4.93	4.04	4.37	4.30	3.24	3.81	3.49	2.59	3.01
2	4.31	3.59	4.05	4.49	3.25	3.84	4.52	3.48	4.04	4.00	2.80	3.41
3	4.22	3.31	3.75	3.96	2.26	3.03	4.85	3.62	4.29	4.13	3.39	3.80
4	4.76	3.79	4.23	3.69	2.64	3.18	4.74	3.03	3.80	4.45	3.78	4.10
5	5.02	4.14	4.55	4.18	3.13	3.65	4.07	2.84	3.41	4.87	4.42	4.64
6	5.23	4.41	4.78	4.28	2.53	3.41	3.66	2.70	3.18	4.97	4.04	4.50
7	5.66	4.86	5.24	3.48	2.51	3.01	3.85	3.21	3.47	5.53	4.45	4.98
8	5.96	4.92	5.41	3.58	2.77	3.14	4.76	3.85	4.29	4.45	2.60	3.32
9	5.80	5.08	5.43	3.80	3.14	3.48	4.78	3.57	4.10	3.96	2.11	2.78
10	6.09	5.37	5.72	3.98	3.58	3.76	4.75	3.45	3.94	4.18	2.77	3.42
11	5.95	5.55	5.73	4.55	3.68	4.06	4.26	3.21	3.72	4.27	3.03	3.64
12	6.28	5.48	5.91	5.27	4.52	4.84	4.27	3.14	3.70	4.43	3.47	4.00
13	5.97	5.06	5.69	5.28	4.44	4.89	4.29	2.74	3.43	4.75	3.44	4.08
14	5.17	4.58	4.88	5.08	3.51	4.18	3.72	2.00	2.75	5.27	3.99	4.60
15	5.29	4.94	5.11	4.67	3.33	3.99	3.19	2.05	2.67	4.94	3.58	4.36
16	5.02	4.42	4.74	4.23	2.98	3.55	3.48	2.09	2.77	3.58	2.51	2.94
17	5.03	4.12	4.55	4.44	3.52	3.94	3.37	2.17	2.83	3.39	2.58	3.04
18	4.93	3.67	4.25	4.34	3.21	3.80	3.58	2.48	3.09	3.78	3.17	3.45
19	4.65	3.40	4.00	4.92	3.72	4.27	3.75	2.64	3.23	4.03	2.90	3.37
20	4.33	3.17	3.71	4.65	3.86	4.29	3.99	2.92	3.42	4.77	4.01	4.27
21	4.34	3.18	3.72	4.50	3.80	4.17	4.27	3.95	4.10	5.13	4.11	4.58
22	4.27	3.34	3.72	4.49	3.50	4.00	4.26	3.57	3.87	5.34	4.63	5.00
23	4.74	3.85	4.30	4.43	3.61	4.04	4.76	3.75	4.21	5.17	3.95	4.47
24	5.03	3.78	4.41	4.40	4.05	4.25	4.71	3.69	4.12	4.78	3.51	4.11
25	5.12	4.29	4.76	4.21	3.30	3.81	4.34	3.14	3.78	4.68	3.66	4.02
26	5.04	3.99	4.50	4.22	3.30	3.75	4.56	3.78	4.20	5.13	4.06	4.57
27	4.26	3.87	3.92	4.84	3.35	3.99	4.52	2.55	3.41	5.13	3.16	3.99
28	4.46	4.06	4.20	5.26	3.74	4.40	3.83	2.77	3.34	4.43	3.20	3.76
29	4.27	3.66	3.97	5.85	4.57	5.08	3.62	1.34	2.20	4.13	3.03	3.65
30	4.70	3.60	4.08	5.25	3.27	4.13	2.33	1.29	1.77	4.26	3.23	3.80
31	4.82	4.14	4.52	---	---	---	2.62	1.25	1.92	4.79	4.12	4.48
MONTH	6.28	2.83	4.55	5.85	2.26	3.94	4.85	1.25	3.45	5.53	2.11	3.94

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.45	4.76	4.95	4.24	3.29	3.78	5.37	4.05	4.74	5.00	4.31	4.64
2	6.77	5.45	6.38	3.42	2.51	3.15	5.01	4.37	4.72	4.32	3.53	3.86
3	6.32	4.17	5.22	3.81	2.02	2.98	4.66	3.67	4.13	3.84	3.18	3.53
4	4.17	2.97	3.42	4.40	3.08	3.74	4.27	2.87	3.63	4.29	2.88	3.60
5	4.07	2.96	3.45	4.65	3.46	4.06	4.48	3.83	4.14	4.54	3.75	4.17
6	4.19	3.19	3.70	5.42	3.84	4.46	4.63	3.48	4.05	4.59	4.19	4.37
7	4.09	3.05	3.51	6.59	5.07	5.54	4.63	3.92	4.31	4.51	3.56	4.13
8	3.92	2.76	3.34	6.60	4.43	5.39	4.55	4.04	4.32	4.32	3.34	3.81
9	4.48	2.86	3.56	4.43	2.94	3.50	4.15	3.00	3.45	4.92	3.83	4.47
10	5.10	3.55	4.19	4.05	2.92	3.34	3.41	2.60	3.00	4.02	3.04	3.67
11	5.18	3.45	4.11	3.56	3.17	3.35	4.03	2.63	3.50	4.67	3.04	4.05
12	4.28	3.26	3.78	3.67	3.17	3.44	4.03	3.00	3.50	4.62	3.37	4.08
13	4.33	3.50	3.98	3.81	3.26	3.56	4.84	3.73	4.35	4.67	3.66	4.21
14	5.18	3.95	4.43	3.64	3.21	3.42	4.48	3.60	4.12	4.78	3.77	4.27
15	8.69	5.18	6.58	3.96	3.33	3.66	4.86	3.52	4.29	4.69	3.46	4.12
16	7.57	5.61	6.18	4.95	3.58	4.36	5.21	4.17	4.68	4.35	3.26	3.81
17	5.99	3.65	4.90	6.16	4.95	5.58	5.13	3.93	4.58	4.56	2.98	3.79
18	4.21	3.16	3.63	5.58	4.90	5.24	5.11	4.25	4.67	4.66	3.26	4.04
19	4.46	3.33	3.85	5.38	4.88	5.12	4.84	4.15	4.48	4.67	3.67	4.24
20	4.22	3.35	3.81	4.88	3.32	3.85	4.95	4.09	4.54	4.45	3.70	4.09
21	4.80	3.13	3.88	4.00	2.59	3.24	4.42	3.69	4.03	4.05	3.34	3.70
22	5.58	3.78	4.87	4.31	3.40	3.85	3.71	2.77	3.13	3.90	3.00	3.49
23	3.84	2.52	3.11	4.12	2.82	3.51	3.51	2.99	3.27	4.09	3.02	3.61
24	3.89	2.80	3.40	4.09	2.91	3.53	3.74	3.17	3.47	4.27	3.02	3.71
25	4.86	3.13	3.78	4.47	3.35	3.87	4.05	3.18	3.70	4.59	3.12	3.99
26	5.09	4.29	4.72	4.57	3.91	4.23	4.63	3.54	4.24	4.84	3.30	4.18
27	4.63	3.82	4.30	4.73	4.43	4.59	4.82	3.73	4.38	5.92	3.51	4.78
28	4.86	4.01	4.55	4.86	4.32	4.57	7.25	4.05	5.38	6.09	4.86	5.51
29	---	---	---	4.97	4.37	4.74	7.36	5.32	6.31	5.78	4.87	5.32
30	---	---	---	5.27	4.45	4.89	6.73	4.79	5.55	5.60	4.47	5.07
31	---	---	---	5.36	4.62	5.06	---	---	---	5.23	4.28	4.73
MONTH	8.69	2.52	4.27	6.60	2.02	4.12	7.36	2.60	4.22	6.09	2.88	4.16
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	4.67	3.94	4.29	3.47	2.88	3.19	3.53	2.90	3.30	5.55	4.21	4.97
2	4.26	3.65	3.95	3.75	3.08	3.38	4.56	3.41	4.17	7.90	5.55	6.97
3	4.36	3.65	3.98	4.00	3.03	3.55	5.34	4.41	4.91	7.06	5.67	6.57
4	4.74	4.00	4.34	4.03	2.88	3.53	5.14	4.20	4.81	5.73	4.79	5.43
5	4.88	3.94	4.39	3.53	2.79	3.18	5.04	4.07	4.61	5.80	4.75	5.30
6	5.47	3.95	4.74	4.01	2.89	3.56	5.14	3.96	4.59	5.62	4.72	5.10
7	5.57	3.90	4.92	4.36	2.88	3.71	5.26	4.13	4.71	5.35	4.89	5.04
8	5.64	4.49	5.11	4.19	2.91	3.61	5.05	4.06	4.58	5.11	4.72	4.95
9	5.53	4.31	5.07	3.97	2.74	3.34	4.71	3.91	4.28	5.95	4.80	5.16
10	5.33	4.17	4.78	3.67	2.53	3.09	4.51	3.62	4.03	7.69	5.95	6.82
11	5.15	4.00	4.59	3.89	2.58	3.22	4.12	3.55	3.79	8.37	7.42	7.74
12	4.93	3.65	4.30	3.82	2.54	3.18	3.81	3.43	3.61	7.94	6.68	7.40
13	4.42	3.34	3.88	3.75	2.70	3.27	3.99	3.20	3.59	7.29	5.91	6.68
14	4.00	2.98	3.53	3.73	2.97	3.36	4.11	2.97	3.59	6.85	5.88	6.38
15	4.08	2.94	3.55	3.60	3.07	3.36	4.12	2.96	3.62	6.73	5.80	6.25
16	4.40	3.41	3.96	3.27	2.89	3.08	4.26	3.20	3.75	7.00	5.88	6.54
17	4.49	3.73	4.17	3.55	2.72	3.14	4.30	3.12	3.77	7.45	6.40	6.97
18	4.44	3.71	4.09	4.06	2.77	3.47	4.45	3.15	3.93	6.59	5.86	6.37
19	4.18	3.27	3.88	4.17	2.95	3.64	4.71	3.36	4.19	6.68	5.85	6.28
20	4.26	3.12	3.74	4.29	2.96	3.74	5.35	3.77	4.71	6.82	5.18	6.07
21	4.57	3.18	3.95	4.37	3.23	3.90	6.37	4.88	5.64	5.24	4.65	5.04
22	4.60	3.18	3.98	4.45	3.37	3.95	6.08	5.32	5.66	4.66	4.17	4.47
23	4.66	3.31	4.02	4.59	3.27	4.10	5.37	4.82	5.22	4.82	4.50	4.68
24	4.76	3.26	4.04	---	---	---	5.13	4.64	4.88	5.57	4.71	5.18
25	5.11	3.37	4.26	---	---	---	4.80	4.34	4.54	5.88	5.49	5.68
26	4.89	3.63	4.30	---	---	---	4.44	3.85	4.18	6.08	5.34	5.74
27	4.78	3.63	4.17	---	---	---	4.21	3.86	4.07	10.42	5.97	8.44
28	4.66	3.46	4.06	3.94	3.37	3.73	4.20	3.62	3.93	9.64	5.16	7.31
29	4.08	3.35	3.74	3.69	3.25	3.50	4.46	3.78	4.13	5.16	3.89	4.38
30	3.66	2.92	3.38	3.65	3.18	3.36	4.63	3.78	4.27	5.24	4.43	4.91
31	---	---	---	3.68	3.19	3.39	4.83	4.04	4.46	---	---	---
MONTH	5.64	2.92	4.17	---	---	---	6.37	2.90	4.31	10.42	3.89	5.96

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- May 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1997 to current year.

WATER TEMPERATURES: May 1997 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 27,200 microsiemens, Oct. 12, 1997; minimum daily, 1500 microsiemens, Feb. 8, 1998.

WATER TEMPERATURE: Maximum daily, 34.3° C, Aug. 28, 1998; minimum daily, 5.6°C Dec. 15, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: May 1997 to Sept. 1997: Maximum daily, 24,700 microsiemens, Sept. 6; minimum daily, 5,640 microsiemens, July 13.

Water Year 1998: Maximum daily, 27,200 microsiemens, Oct. 12; minimum daily, 1,500 microsiemens, Feb. 8.

WATER TEMPERATURE: May 1997 to Sept. 1997: Maximum daily, 33.3°C, Aug. 15; minimum daily, 24.4°C, July 19.

Water Year 1998: Maximum daily, 34.3° C, Aug. 28; minimum daily, 5.6°C Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										7530	6980	7290
22										7680	6700	7190
23										7690	7000	7340
24										8310	7000	7500
25										7540	6900	7200
26										7320	6810	7120
27										7130	6520	6880
28										6920	6120	6640
29										8200	6680	7230
30										8340	7420	8000
31										7820	6470	7030
MONTH										---	---	---

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7150	6200	6730	8070	7230	7760	8590	6340	7360	11700	10400	11200
2	6780	5920	6360	7780	6940	7440	10900	7500	9330	13100	11100	12000
3	6740	5840	6370	7580	6650	7220	11100	8410	9910	12900	11000	11900
4	6820	5930	6420	7470	6740	7230	10000	8160	9150	13400	12200	12800
5	7020	6100	6570	7680	7000	7340	8200	6810	7570	20400	13100	15400
6	8610	6680	7660	8190	7090	7610	8020	6670	7540	24700	20400	22500
7	8150	6920	7530	7860	7130	7500	7980	7180	7740	24100	19100	21000
8	8410	6980	7590	7540	6680	7250	7900	6560	7480	21000	18300	19600
9	10300	7430	8570	7220	6080	6760	7590	6560	7130	19400	16500	18200
10	13000	10200	11600	6900	5800	6500	7510	6190	7120	18800	15400	17300
11	12600	10500	11200	6830	5760	6370	7040	6150	6750	18000	15400	16900
12	10700	10100	10500	6730	5830	6370	7170	6290	6900	18400	16300	17400
13	10100	8620	9190	6600	5640	6360	7420	6650	7090	19000	17100	18100
14	8620	7630	8120	6720	6220	6570	7330	6310	6930	19000	17500	18200
15	8420	7630	8030	7390	6220	6850	7080	6200	6710	18500	17300	17900
16	8460	7560	8100	7800	6440	7110	7980	6310	7200	18300	17000	17500
17	8260	7730	8010	7950	6510	7270	8610	7380	7990	17800	16400	17100
18	8240	7810	8060	18000	7930	14300	8950	7220	8050	17800	16800	17400
19	8170	7590	7920	13200	8250	10300	8980	7420	8140	18400	17100	17700
20	8010	7510	7860	8250	6860	7760	8560	6810	7640	19600	17800	18700
21	8200	7490	7890	7960	6520	7350	7890	6630	7050	19000	17100	18200
22	8260	7550	7940	7550	6540	7160	8630	7840	8070	18300	16400	17500
23	8150	7570	7880	7480	6640	7210	9950	8620	9250	18800	16600	18200
24	8460	7640	8080	7510	6880	7330	10500	8500	9550	19200	17700	18400
25	8350	7980	8200	7480	6510	7100	11400	8820	10700	17900	15500	17000
26	8360	7930	8180	6960	5910	6490	13300	11000	12300	16900	15400	16500
27	8240	7850	8070	6950	5910	6670	12700	10100	11600	17800	16100	17200
28	8200	7740	8020	7120	6410	6830	11900	9570	10500	18600	16300	17600
29	8260	7600	8030	6930	6380	6730	11600	9460	10800	16500	15000	15900
30	8220	7600	8020	6870	6220	6570	11300	10000	10800	15900	13700	14700
31	---	---	---	7100	6170	6760	11500	10200	10900	---	---	---
MONTH	13000	5840	8090	18000	5640	7360	13300	6150	8560	24700	10400	17000

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15200	13000	14100	19400	18300	18900	13700	12200	13000	12500	11200	11500
2	17500	14900	16400	18900	17800	18400	13400	12600	13000	13700	12400	13000
3	17000	15900	16400	18600	17200	17900	13900	12500	13200	15300	13600	14400
4	19500	17000	17900	17300	16700	16900	13100	11700	12500	17900	15300	16400
5	21200	18800	19900	17200	16700	17000	12600	11200	11900	18800	16000	17300
6	23000	20000	21200	17400	16400	17000	12200	10800	11600	17000	15100	15800
7	25200	22300	23700	17300	16400	17000	12100	11600	11900	17000	13900	15100
8	26300	23200	24900	17200	16400	17000	12900	12100	12400	14000	9810	11600
9	25900	23900	25100	17300	16900	17000	12800	11900	12200	9850	9210	9490
10	26600	24900	26000	17300	17100	17200	12800	11800	12200	9910	8970	9410
11	26600	25100	26000	19000	17300	17800	12800	11700	12300	9680	8650	9200
12	27200	25700	26700	19900	19000	19700	13000	12300	12700	9540	8190	8990
13	26500	25600	26100	19800	19300	19600	13000	12000	12500	8920	7310	8180
14	25600	24200	24800	19300	16300	17700	12600	10800	11800	9150	7560	8260
15	25200	23600	24300	16900	15200	16100	12200	10900	11700	8190	5560	7170
16	23800	22300	23200	16300	14700	15400	11700	11200	11500	5560	2820	3850
17	23900	21200	22700	15700	15200	15500	11600	10900	11300	4660	2580	3220
18	23100	20300	21900	15700	15200	15500	11600	11100	11400	3880	2690	3360
19	21900	19700	21000	16200	15300	15800	11600	11200	11500	3380	2380	2820
20	21300	18600	20100	16000	15500	15700	12200	11400	11600	3810	3050	3340
21	20200	18400	19500	16000	14900	15500	13800	12200	13300	5030	3590	4040
22	19700	18500	19200	15400	14500	15100	14600	12200	13100	5580	4350	5050
23	19900	19300	19500	15500	14900	15300	16800	13800	14800	5580	3840	4440
24	20700	18900	19700	15300	15000	15200	16900	13900	15200	4690	3320	3880
25	20600	19100	19800	15300	14700	15100	15000	12700	13900	4120	2720	3250
26	20300	18200	19300	15300	14900	15100	15600	14000	14800	3780	3330	3560
27	18600	17100	17800	15400	14900	15000	15700	12500	13900	3770	2600	3190
28	19200	18600	18900	16600	15100	15400	13800	12000	13100	3160	1910	2560
29	19200	17800	18600	18900	13800	16000	13400	11200	11800	2790	1640	2230
30	19100	16700	18500	15600	12700	14200	12100	10900	11400	2370	1780	2150
31	19300	19100	19200	---	---	---	11800	11000	11400	2490	2210	2340
MONTH	27200	13000	21000	19900	12700	16500	16900	10800	12500	18800	1640	7390

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued
 SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	3770	2490	2970	3560	3010	3260	5690	4500	5050	6850	5740	6350
2	9690	3770	7550	3010	2340	2640	5500	4630	5010	5920	5130	5590
3	7900	3810	5950	3000	2340	2640	5050	4170	4530	5800	4900	5330
4	3810	3000	3280	3080	2680	2840	4430	3750	4150	5640	5010	5290
5	3240	2400	2810	3650	2870	3060	4390	4010	4250	5520	5230	5380
6	3190	2180	2670	4060	3020	3380	4430	4020	4270	5660	5290	5520
7	3030	1660	2220	6230	3700	4440	4430	4120	4300	5640	5150	5490
8	2440	1500	1790	6410	3890	4780	4490	4020	4360	5640	5240	5450
9	2120	1620	1930	3900	2710	3100	4400	3810	4130	5630	5300	5550
10	2330	1960	2080	3310	2550	2760	4390	3540	3870	5620	5230	5490
11	2470	1730	2130	2900	2370	2560	4170	3530	4040	5680	5270	5540
12	2210	1520	1850	3010	2380	2710	4220	3910	4030	5760	5390	5600
13	2140	1700	1980	2900	2430	2720	4770	3920	4250	5750	5430	5650
14	2500	1880	2080	2850	2420	2670	4480	4110	4290	5840	5590	5780
15	13800	2500	7480	2870	2640	2770	4970	4120	4470	5890	5570	5810
16	13500	7220	9560	3120	2470	2770	5570	4460	5000	5960	5620	5830
17	8730	5310	6700	6820	3120	5110	5520	4560	4970	5960	5730	5860
18	5310	3400	4420	5820	4570	5110	5640	4750	5130	5980	5650	5890
19	3970	3350	3570	5360	4690	5000	5510	4730	5110	6010	5740	5950
20	3850	3040	3450	4900	3190	3950	5490	4780	5260	6090	5990	6050
21	3640	2720	3120	3530	3180	3310	5410	4700	5060	6150	5860	6080
22	4670	3320	3930	3540	3240	3390	4700	4240	4470	6120	5660	5940
23	3620	2590	3140	3490	3030	3230	4980	4150	4670	6110	5670	5950
24	3190	2390	2850	3290	3020	3170	4940	4210	4770	6140	5880	6060
25	3110	2720	2950	3340	3150	3270	4910	4590	4750	6210	6070	6140
26	3970	3000	3580	3790	3340	3490	5130	4680	4920	---	---	---
27	3630	3210	3420	4210	3720	3990	5440	4890	5160	8510	6360	7200
28	3900	3560	3690	4410	3850	4230	9310	5220	6280	9700	7060	8160
29	---	---	---	5000	4100	4640	8930	6970	7790	9160	7560	8350
30	---	---	---	5570	4520	5010	7960	6760	7320	8860	6970	7980
31	---	---	---	6280	4730	5590	---	---	---	8110	7320	7640
MONTH	13800	1500	3680	6820	2340	3600	9310	3530	4860	9700	4900	6100
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7440	6890	7190	6340	3700	4930	3640	1910	2940	17700	11200	13600
2	7220	6570	6880	5930	3710	5050	8950	3290	5640	24000	17700	22200
3	7040	6440	6790	5910	4300	5350	20200	8950	15600	22900	20900	22100
4	7220	6880	7060	5870	4110	5270	22500	13100	18000	21000	18900	19800
5	7450	6990	7200	5490	3240	4510	20400	13800	17300	19000	17500	18400
6	7780	6860	7290	5740	3240	5230	20200	12100	16900	18400	16900	17700
7	8710	6790	7680	6430	4490	5520	20800	14500	18100	17500	15800	16500
8	10200	7520	8640	6250	4710	5550	19900	18200	19000	16900	15600	16300
9	10700	8210	9350	5900	4100	5140	19800	17300	18100	17800	15600	16400
10	10000	7950	8810	5240	3230	4440	17300	13700	15200	21500	17800	19900
11	9970	7760	8730	5290	3160	4300	14600	12300	13300	21400	19400	20700
12	9010	7620	8240	5310	3070	4260	13200	11400	12800	19600	17600	18600
13	8030	7240	7640	5110	3510	4400	11400	10400	11000	17600	14800	16600
14	7570	6870	7240	4650	3940	4350	10400	9470	10200	16500	14400	15600
15	7330	6630	7030	4480	2800	3900	9580	7790	9130	15600	13900	15000
16	7950	7240	7510	3690	1730	2400	8990	7260	8460	15800	13800	15100
17	8640	7230	7950	3600	1740	2940	8690	6970	8000	16400	15100	15800
18	8660	7760	8200	4350	2130	3390	9220	6670	8270	15600	14800	15300
19	7920	7130	7700	4980	3230	4060	10400	6840	8870	15200	14400	14900
20	8610	6970	7700	6180	3130	4710	15400	8290	11600	15300	13500	14500
21	9870	6970	8420	7600	3750	5760	23300	14200	19000	13500	11300	12300
22	10300	7320	8750	8230	4430	6210	22000	16800	19500	11400	9290	10300
23	10900	7820	9180	---	---	---	19300	17500	17900	11200	8560	9830
24	11500	7750	9470	---	---	---	17500	14700	15700	11000	9520	10500
25	13100	7970	10300	---	---	---	14900	12800	13800	12500	10800	11500
26	12900	9120	11000	---	---	---	13300	11300	12100	12700	11800	12100
27	12200	8930	10400	---	---	---	13300	10100	11600	19300	12300	16900
28	11700	8040	9850	---	---	---	11800	8790	10200	18900	12700	15800
29	9760	6800	8100	3830	2080	2910	11800	9800	10900	13100	10800	11600
30	7040	4310	5940	3550	1800	2600	11900	10100	11300	13600	11000	12500
31	---	---	---	3770	1770	2870	12400	10600	11800	---	---	---
MONTH	13100	4310	8210	8230	1730	4400	23300	1910	13000	24000	8560	15600

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										28.1	26.8	27.6
22										28.1	25.9	27.0
23										29.5	26.8	28.1
24										29.0	26.7	28.0
25										27.3	25.0	26.2
26										28.8	26.3	27.5
27										29.9	27.7	28.8
28										29.8	27.3	28.6
29										28.2	27.0	27.5
30										27.4	25.9	26.5
31										27.0	25.0	26.0
MONTH										---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.2	24.9	25.9	32.0	29.7	30.5	30.3	27.8	29.1	32.0	30.3	31.1
2	28.1	25.6	26.6	32.1	29.5	30.6	29.6	27.4	28.3	32.3	30.6	31.4
3	28.5	26.1	27.1	32.6	29.9	31.1	30.2	28.5	29.3	32.1	30.1	31.2
4	29.1	26.5	27.7	33.2	30.9	32.0	30.3	28.8	29.5	31.6	30.0	30.7
5	28.3	27.0	27.6	32.7	29.9	31.6	31.0	28.8	29.9	30.5	28.6	29.5
6	28.0	26.4	27.1	30.1	28.9	29.7	31.9	30.1	30.9	28.6	27.7	28.2
7	27.3	26.3	26.7	30.0	28.0	29.1	31.1	29.8	30.4	28.8	26.9	27.9
8	27.5	25.8	26.5	29.6	28.2	29.1	30.6	29.4	30.1	29.8	27.4	28.5
9	27.5	25.8	26.7	30.0	27.6	28.7	31.1	29.0	30.0	30.0	28.5	29.3
10	27.4	26.1	26.8	30.6	28.4	29.0	31.4	29.6	30.4	30.4	28.7	29.5
11	27.4	26.4	26.9	31.2	29.9	30.5	32.6	29.8	30.9	30.2	28.3	29.2
12	29.1	26.5	27.4	32.6	29.6	30.9	33.0	30.6	31.6	30.2	28.3	29.2
13	30.7	27.8	29.0	31.5	30.4	30.9	33.0	31.4	32.1	30.5	28.8	29.5
14	31.1	28.0	29.4	32.1	29.3	30.5	32.6	31.4	31.9	30.4	29.3	29.8
15	32.0	29.3	30.5	32.3	30.3	31.1	33.3	30.8	31.8	30.8	29.3	30.0
16	32.0	30.1	30.9	31.4	29.7	30.9	32.5	31.2	31.8	30.9	29.3	30.0
17	30.5	27.5	29.4	29.7	27.9	28.9	32.1	31.0	31.4	31.6	29.3	30.3
18	27.6	26.4	27.1	27.9	25.1	26.1	33.2	30.4	31.6	31.1	29.6	30.4
19	28.1	26.2	27.0	27.7	24.4	25.8	33.1	31.2	32.0	30.8	29.7	30.3
20	29.9	27.0	28.3	28.2	26.5	27.3	33.1	31.0	31.9	30.8	28.9	29.8
21	30.8	28.4	29.5	29.8	26.9	28.2	32.5	30.6	31.5	31.4	29.0	30.2
22	31.8	29.1	30.4	30.3	28.7	29.5	32.0	30.2	30.9	32.1	29.7	30.8
23	31.7	29.7	30.6	30.1	29.2	29.6	30.9	29.0	29.8	31.3	29.6	30.2
24	31.0	29.1	30.0	30.9	29.2	30.0	30.3	28.1	29.3	30.0	28.8	29.3
25	30.0	28.3	28.8	32.5	29.7	30.8	30.4	27.9	29.2	29.1	25.6	27.6
26	29.2	27.5	28.4	32.6	30.1	31.1	30.8	28.5	29.6	26.5	25.0	25.7
27	30.1	28.6	29.3	33.0	30.5	31.6	31.8	29.1	30.2	26.6	25.3	25.9
28	30.2	29.3	29.7	32.8	30.8	31.7	31.6	29.2	30.5	27.9	25.9	26.6
29	30.6	28.7	29.5	31.7	29.9	31.1	32.1	30.1	30.9	27.5	25.4	26.5
30	30.9	29.3	30.0	31.5	29.7	30.5	32.4	30.6	31.5	28.8	26.7	27.6
31	---	---	---	31.4	30.2	30.6	32.4	31.0	31.6	---	---	---
MONTH	32.0	24.9	28.4	33.2	24.4	30.0	33.3	27.4	30.6	32.3	25.0	29.2

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	29.1	26.8	28.0	22.7	19.1	20.7	17.8	15.8	17.0	11.5	9.0	10.0
2	28.6	26.5	27.3	21.7	19.7	20.8	17.2	16.1	16.7	13.8	10.3	11.8
3	27.2	25.1	26.3	20.3	17.2	18.4	17.7	16.6	17.1	15.5	12.4	13.8
4	27.5	25.5	26.5	19.3	16.6	17.8	17.2	15.5	16.4	16.0	14.3	15.0
5	27.9	26.2	26.9	19.4	17.3	18.2	15.6	13.6	14.3	16.5	15.6	16.1
6	28.0	26.5	27.1	20.0	17.1	18.8	13.7	11.9	12.6	16.8	16.2	16.5
7	27.3	26.1	26.6	17.1	13.6	15.6	12.5	11.0	11.5	18.1	16.8	17.6
8	27.6	25.6	26.5	15.6	13.4	14.3	14.1	11.3	12.4	17.7	13.3	15.7
9	27.5	26.3	26.8	16.5	13.7	14.9	15.6	14.1	14.8	13.6	11.7	12.9
10	27.2	26.1	26.6	15.3	14.6	15.0	18.1	15.6	17.0	14.6	12.2	13.3
11	26.9	25.8	26.4	15.2	14.8	15.0	16.9	12.2	13.9	15.7	13.0	14.3
12	26.9	25.2	26.0	15.3	14.9	15.1	12.3	9.1	10.0	17.2	14.6	15.9
13	26.8	25.8	26.3	16.5	15.2	15.7	9.2	7.9	8.4	17.1	16.5	16.9
14	25.9	20.3	22.7	17.2	15.8	16.4	7.9	5.8	6.9	16.7	16.3	16.5
15	20.3	17.9	19.0	16.9	15.2	16.1	8.8	5.6	6.8	17.0	15.1	16.3
16	19.1	16.9	18.2	15.8	12.5	13.8	10.7	7.0	8.4	15.1	11.8	13.5
17	19.9	17.6	18.8	12.6	11.1	11.9	12.9	8.4	10.1	15.7	12.5	14.2
18	20.2	17.7	19.0	12.8	11.4	12.0	14.5	10.3	11.9	16.0	14.5	15.3
19	20.5	18.1	19.3	12.7	12.4	12.6	15.8	12.0	13.5	16.2	14.9	15.6
20	22.1	19.0	20.4	15.4	12.6	13.8	15.1	13.4	14.1	15.1	13.4	14.3
21	23.8	20.2	21.7	19.3	14.8	16.8	16.1	14.1	14.9	15.4	14.0	14.6
22	23.3	21.4	22.4	19.9	18.2	19.0	16.5	15.5	16.0	15.8	15.4	15.6
23	22.4	21.3	21.8	18.6	16.9	17.6	16.1	15.5	15.7	15.5	14.7	15.1
24	23.8	21.4	22.4	17.0	15.9	16.4	17.2	15.5	16.3	14.7	12.4	13.6
25	24.7	22.8	23.6	16.5	14.7	15.7	16.2	14.3	15.4	13.6	11.8	12.9
26	24.7	21.5	23.7	17.2	15.0	16.2	15.6	14.1	14.8	13.2	12.8	13.0
27	21.5	18.0	18.8	18.4	16.5	17.4	14.1	11.0	12.2	13.0	11.4	12.1
28	18.1	16.0	16.9	18.9	17.4	18.2	11.5	9.5	10.5	13.5	10.2	11.8
29	16.6	15.7	16.2	19.8	18.6	19.4	10.4	8.1	9.3	14.8	11.7	13.0
30	17.8	15.9	16.8	19.5	17.8	18.5	10.0	7.0	8.5	15.2	13.0	14.0
31	19.6	17.6	18.5	---	---	---	11.5	8.5	9.8	14.3	13.2	13.9
MONTH	29.1	15.7	22.8	22.7	11.1	16.4	18.1	5.6	12.8	18.1	9.0	14.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.5	13.3	13.9	17.9	16.0	17.1	22.8	21.1	22.0	23.8	21.6	22.5
2	14.4	13.8	14.2	16.5	14.0	15.2	23.1	21.6	22.3	25.4	22.3	23.8
3	13.8	12.7	13.3	15.5	12.6	14.2	24.9	22.8	23.5	26.4	23.9	24.9
4	13.3	11.0	12.3	15.9	13.3	14.6	23.5	21.2	22.5	27.4	24.2	25.7
5	12.2	10.4	11.1	15.9	15.3	15.6	22.0	18.9	20.8	27.1	25.4	26.3
6	11.2	10.1	10.5	17.3	15.9	16.5	22.0	19.3	20.7	26.4	25.2	25.8
7	11.6	8.9	10.3	17.1	16.8	17.0	22.3	20.6	21.4	27.5	25.6	26.3
8	12.4	9.9	11.2	18.5	16.1	17.7	23.3	22.0	22.6	28.6	25.8	27.1
9	12.5	11.6	12.1	16.1	12.4	14.0	23.3	21.1	22.4	28.1	26.7	27.5
10	14.9	11.9	13.4	14.3	11.2	12.9	22.3	19.9	21.0	27.9	26.1	26.9
11	17.0	14.2	15.3	12.6	9.5	11.1	21.7	19.0	20.2	27.9	25.6	26.6
12	16.1	14.0	15.4	11.8	8.7	10.5	22.3	20.0	21.0	28.6	26.3	27.4
13	17.2	14.9	16.0	13.0	9.9	11.4	21.3	19.7	20.7	28.4	26.5	27.4
14	16.3	15.2	15.8	14.3	11.8	13.0	23.2	20.6	21.7	28.4	26.2	27.2
15	15.2	14.4	14.6	16.3	13.5	14.9	23.3	22.3	22.9	29.1	26.7	27.8
16	15.0	14.4	14.7	17.3	15.2	16.3	24.1	22.7	23.4	28.7	26.9	27.7
17	16.1	13.8	14.9	17.9	16.6	17.1	24.4	23.9	24.1	29.4	26.8	28.1
18	15.5	13.2	14.5	17.9	17.5	17.7	24.9	23.5	24.1	30.3	27.8	29.0
19	15.5	14.6	14.9	18.6	17.4	17.9	23.6	21.6	22.5	31.0	28.6	29.7
20	15.3	13.6	14.5	18.5	15.3	16.9	22.8	20.2	21.6	31.3	28.7	30.0
21	16.4	14.6	15.5	15.6	13.3	14.5	22.9	21.0	22.0	30.1	28.4	29.2
22	16.7	15.1	15.8	16.3	13.2	14.8	22.7	20.4	21.5	29.7	27.7	28.6
23	16.6	13.2	14.9	17.4	14.4	15.9	22.3	20.3	21.2	29.4	27.7	28.5
24	17.3	14.2	15.7	19.0	16.0	17.5	23.0	20.4	21.7	29.9	27.8	28.7
25	17.8	15.3	16.5	20.4	17.7	19.1	22.6	21.2	21.9	29.7	27.8	28.8
26	17.9	16.7	17.3	21.8	18.9	20.3	22.7	20.5	21.7	29.6	27.8	28.7
27	18.4	16.5	17.5	22.0	19.7	20.9	23.9	21.7	22.7	29.9	28.2	28.9
28	18.9	17.2	18.0	23.0	20.6	21.9	23.7	21.0	22.3	30.5	28.1	29.1
29	---	---	---	23.6	21.9	22.7	21.0	19.9	20.2	29.7	28.4	29.0
30	---	---	---	24.0	22.3	23.1	23.0	19.8	21.2	30.6	28.2	29.2
31	---	---	---	23.4	22.4	23.0	---	---	---	30.6	28.6	29.5
MONTH	18.9	8.9	14.4	24.0	8.7	16.6	24.9	18.9	21.9	31.3	21.6	27.6

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.1	29.1	30.1	31.2	29.6	30.4	32.9	31.6	32.3	31.1	28.0	29.6
2	31.2	29.3	30.2	30.9	30.1	30.5	31.8	30.6	31.2	28.0	27.0	27.3
3	31.5	29.3	30.5	31.7	29.4	30.5	31.1	29.6	30.4	29.4	26.5	27.6
4	31.4	29.7	30.6	32.4	30.1	31.1	30.4	29.1	29.8	30.5	27.9	28.8
5	31.4	29.4	30.4	32.6	30.3	31.3	30.0	29.1	29.6	29.5	28.7	29.0
6	30.7	27.9	28.9	33.1	30.5	31.9	30.9	29.0	29.9	28.7	27.5	28.2
7	28.0	26.7	27.2	33.5	31.2	32.3	31.7	29.9	30.7	27.8	27.1	27.4
8	28.4	26.0	27.1	33.6	31.5	32.4	32.3	30.6	31.4	27.9	26.8	27.3
9	30.4	27.4	28.6	33.2	30.8	32.0	32.4	31.1	31.8	27.6	26.9	27.3
10	31.6	29.0	30.1	32.1	30.3	31.3	32.5	30.5	31.4	26.9	26.1	26.3
11	31.1	29.4	30.2	31.8	30.1	30.9	32.2	30.7	31.5	26.1	25.1	25.7
12	31.5	29.2	30.3	32.4	29.8	31.1	33.3	30.8	31.8	25.2	24.7	24.9
13	31.4	29.1	30.2	32.3	30.3	31.3	32.6	30.9	31.8	26.1	24.8	25.3
14	30.7	29.0	29.9	31.4	30.2	30.6	31.6	29.9	30.5	27.5	25.7	26.4
15	30.6	28.0	29.2	31.6	29.5	30.5	30.4	29.1	29.7	28.3	26.6	27.3
16	30.7	28.4	29.6	30.8	29.4	30.2	31.8	29.0	30.1	28.5	27.4	27.9
17	31.6	29.1	30.3	30.8	28.7	29.6	31.9	29.8	30.7	28.0	27.0	27.4
18	32.6	30.2	31.3	31.3	29.1	30.2	31.3	30.4	30.9	28.4	26.8	27.5
19	33.1	31.1	32.0	31.9	30.0	30.9	31.6	30.1	30.9	28.1	27.6	27.8
20	33.1	30.9	31.8	32.3	30.4	31.3	31.3	30.1	30.7	28.8	27.0	27.8
21	32.3	30.7	31.5	31.5	30.3	30.9	30.4	27.8	28.9	28.7	27.7	28.1
22	32.1	30.1	31.0	30.9	29.7	30.2	29.7	27.3	28.4	28.8	27.5	28.1
23	32.8	30.4	31.5	31.2	29.4	30.3	30.7	28.9	29.6	30.1	28.1	29.1
24	33.2	30.9	32.0	---	---	---	31.4	29.8	30.6	29.6	28.6	29.1
25	32.1	29.2	30.7	---	---	---	32.3	30.3	31.2	28.8	27.7	28.1
26	29.2	27.7	28.3	---	---	---	32.8	30.3	31.5	28.7	27.1	27.8
27	28.0	27.0	27.4	---	---	---	33.0	30.8	32.0	27.7	25.1	26.5
28	29.5	26.7	27.9	30.4	29.1	29.5	34.3	31.2	32.5	25.1	23.7	24.3
29	30.9	28.5	29.5	32.2	29.6	30.8	34.1	31.7	32.9	24.3	23.4	23.8
30	31.7	29.4	30.2	33.3	31.0	32.0	33.5	31.8	32.3	26.6	23.6	24.8
31	---	---	---	33.6	31.1	32.4	32.1	31.0	31.4	---	---	---
MONTH	33.2	26.0	30.0	33.6	28.7	31.0	34.3	27.3	30.9	31.1	23.4	27.2

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA

LOCATION.--Lat 29°34'14", long 89°42'14", Plaquemines Parish, Hydrologic Unit 08090203, on a three-pile platform 8 miles east of Pointe a la Hache.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--May 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 9.20 ft, July 18, 1997, but was higher during periods of no record caused by Hurricane Georges Sep. 27-28; minimum, 0.70 ft, revised, Dec. 29, 1997.

EXTREMES FOR CURRENT PERIOD.--May 1997 to September 1997: Maximum gage height, 9.20 ft, July 18; minimum, 2.22 ft, June 19. Water Year 1998: Maximum elevation recorded, 9.12 ft, Sep. 27; minimum, 0.70 ft, Dec. 29.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										4.00	2.50	3.32
22										4.54	2.53	3.66
23										4.35	2.75	3.63
24										4.65	2.59	3.65
25										4.33	2.74	3.55
26										4.02	2.78	3.46
27										4.09	2.58	3.34
28										4.25	2.49	3.41
29										4.55	3.28	4.15
30										4.55	3.70	4.17
31										4.10	3.27	3.68
MONTH										---	---	---

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.13	3.02	3.70	3.93	2.25	3.30	5.32	2.91	4.44	4.13	3.33	3.76
2	4.16	2.73	3.57	3.83	2.25	3.11	5.05	3.77	4.51	4.38	3.28	3.91
3	4.58	2.72	3.80	3.93	2.31	3.16	4.87	3.25	4.27	4.24	3.25	3.61
4	4.52	2.72	3.71	4.22	2.45	3.46	4.29	2.88	3.70	4.23	3.36	3.97
5	4.60	2.78	3.85	4.75	2.65	3.63	4.09	2.86	3.46	5.72	4.04	4.93
6	5.04	3.40	4.37	4.56	2.96	3.80	4.15	2.88	3.62	5.58	4.91	5.21
7	4.77	3.16	3.94	4.19	3.03	3.65	3.95	3.11	3.68	5.00	4.31	4.70
8	4.88	2.99	3.99	4.07	3.02	3.58	3.98	3.29	3.61	4.67	3.99	4.33
9	5.53	3.48	4.64	3.86	2.90	3.43	4.05	3.38	3.67	4.64	3.54	4.12
10	6.32	4.92	5.57	3.71	2.84	3.40	4.15	3.12	3.62	4.42	3.14	3.87
11	5.09	4.35	4.68	3.64	3.06	3.32	4.10	3.30	3.65	4.96	3.45	4.24
12	4.56	3.77	4.31	3.76	3.07	3.45	4.23	3.18	3.78	4.84	3.61	4.32
13	4.03	3.42	3.73	4.05	3.16	3.66	4.14	2.93	3.63	4.82	3.57	4.34
14	3.77	2.87	3.41	4.70	3.24	3.89	4.24	2.79	3.58	4.76	3.35	4.18
15	3.88	2.98	3.43	4.44	3.26	3.95	4.18	2.63	3.51	4.64	3.40	4.04
16	3.95	2.62	3.40	4.48	2.84	3.85	4.57	2.86	3.77	4.62	3.48	4.04
17	3.60	2.66	3.17	5.13	3.03	4.05	4.51	2.89	3.80	4.54	3.58	4.08
18	3.97	2.22	3.34	9.20	3.23	5.73	4.53	2.89	3.79	4.43	3.64	4.10
19	4.32	2.22	3.40	3.63	2.31	3.28	4.38	2.91	3.73	4.84	3.66	4.24
20	4.11	2.35	3.26	4.09	2.27	3.14	3.67	2.96	3.34	4.86	3.81	4.31
21	4.38	2.33	3.46	4.02	2.35	3.27	4.09	3.04	3.58	4.47	3.48	3.96
22	4.34	2.42	3.47	4.01	2.40	3.29	4.17	3.66	3.93	4.34	3.17	3.78
23	4.14	2.42	3.40	3.82	2.67	3.45	4.49	3.54	3.99	4.60	3.36	4.01
24	4.18	2.73	3.65	3.78	2.98	3.53	4.53	3.45	3.98	4.51	2.96	3.80
25	3.91	3.15	3.56	3.67	3.17	3.44	4.57	3.82	4.17	3.92	2.90	3.53
26	3.85	3.21	3.57	3.66	3.04	3.37	4.68	3.39	4.11	4.62	3.35	4.00
27	3.89	3.25	3.54	4.04	3.01	3.54	4.24	2.97	3.70	4.41	3.61	4.05
28	3.86	3.14	3.57	4.10	2.79	3.54	4.01	2.92	3.48	4.13	3.04	3.75
29	4.16	3.00	3.66	4.13	2.64	3.56	4.13	2.87	3.61	3.56	2.87	3.16
30	4.09	2.71	3.57	4.48	2.83	3.71	4.00	2.93	3.52	3.53	2.87	3.14
31	---	---	---	4.50	2.74	3.72	4.04	3.09	3.65	---	---	---
MONTH	6.32	2.22	3.76	9.20	2.25	3.59	5.32	2.63	3.77	5.72	2.87	4.05

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.50	2.70	3.05	4.52	3.15	3.73	4.10	2.50	3.28	3.62	2.29	2.96
2	4.49	3.37	3.98	4.31	2.70	3.31	4.38	2.98	3.66	3.91	2.36	3.14
3	4.21	3.07	3.62	3.47	1.59	2.45	4.47	2.77	3.63	3.85	2.96	3.47
4	4.97	3.55	4.14	3.72	2.16	2.90	4.36	2.23	3.15	4.16	3.42	3.79
5	5.07	3.84	4.37	4.02	2.63	3.33	3.62	2.33	2.97	4.39	3.82	4.12
6	5.42	4.00	4.67	3.98	2.21	2.99	3.37	2.28	2.81	4.49	3.38	4.04
7	5.54	4.43	4.97	3.45	2.31	2.89	3.64	2.88	3.20	4.78	3.57	4.20
8	5.71	4.25	4.98	3.45	2.41	2.94	4.27	3.35	3.80	3.57	1.93	2.26
9	5.52	4.50	5.06	3.59	2.78	3.21	4.21	3.06	3.62	3.90	1.84	2.68
10	5.75	4.67	5.31	3.70	3.23	3.43	3.93	2.75	3.36	4.13	2.33	3.20
11	5.50	5.00	5.28	4.32	3.40	3.84	4.32	3.07	3.65	4.31	2.57	3.39
12	5.68	4.61	5.26	5.03	4.09	4.50	4.30	2.92	3.51	4.31	2.68	3.54
13	5.39	4.06	4.90	4.80	3.72	4.31	4.19	2.26	3.06	5.14	2.95	3.84
14	5.28	4.18	4.82	4.32	2.47	3.43	3.52	1.69	2.36	5.24	3.09	4.09
15	5.35	4.52	5.02	4.42	2.63	3.51	3.21	1.69	2.46	4.58	2.70	3.76
16	4.88	3.94	4.48	4.21	2.75	3.41	3.30	1.56	2.37	3.09	2.01	2.45
17	4.82	3.72	4.29	4.49	3.17	3.75	3.25	1.66	2.47	3.12	2.14	2.72
18	4.73	3.01	3.87	4.52	2.76	3.50	3.33	1.95	2.69	3.34	2.85	3.09
19	4.48	2.92	3.70	4.89	3.37	4.01	3.37	2.14	2.79	4.07	2.80	3.31
20	4.05	2.72	3.41	4.42	3.29	3.82	3.94	2.54	3.13	4.52	3.83	4.12
21	4.16	2.72	3.46	4.01	2.92	3.51	3.94	3.41	3.59	4.85	3.73	4.29
22	4.03	3.15	3.57	4.01	2.99	3.54	3.86	3.22	3.51	4.97	3.93	4.46
23	4.48	3.79	4.14	4.34	3.21	3.77	4.42	3.47	3.94	4.51	3.29	3.90
24	4.57	2.80	3.78	4.23	3.70	3.97	4.11	3.04	3.49	4.23	2.88	3.57
25	4.72	3.89	4.36	3.81	2.93	3.42	4.01	2.56	3.35	4.53	3.20	3.70
26	4.44	3.53	3.95	3.79	2.81	3.29	4.66	3.51	4.05	4.79	3.50	4.18
27	4.32	3.64	3.88	4.46	2.76	3.55	4.49	2.07	3.03	4.60	2.25	3.22
28	4.33	3.61	3.96	5.25	3.02	3.93	3.84	2.32	3.01	4.12	2.45	3.17
29	3.90	3.18	3.59	5.26	3.38	4.21	3.01	.70	1.50	3.75	2.27	3.13
30	4.47	3.17	3.76	4.63	2.04	3.13	2.17	1.04	1.56	3.82	2.57	3.30
31	4.50	3.50	4.04	---	---	---	3.14	1.32	1.89	4.43	3.73	4.15
MONTH	5.75	2.70	4.25	5.26	1.59	3.52	4.66	.70	3.06	5.24	1.84	3.52

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.33	4.26	4.54	4.22	3.15	3.70	8.91	3.79	6.05	4.66	3.54	4.17
2	6.68	5.33	6.29	3.43	2.16	3.00	7.02	3.70	5.12	3.80	2.91	3.41
3	5.99	3.27	4.30	4.23	1.96	3.22	3.71	2.88	3.37	3.55	2.92	3.24
4	3.27	2.26	2.70	4.54	3.02	3.81	4.20	2.36	3.39	4.28	2.72	3.56
5	3.63	2.36	3.02	4.58	3.22	3.95	4.26	3.72	3.94	4.40	3.59	4.02
6	3.75	2.76	3.27	5.39	3.48	4.34	4.30	3.00	3.73	4.24	3.77	4.00
7	3.49	2.36	2.94	6.29	4.52	5.32	4.24	3.39	3.88	4.12	3.00	3.66
8	3.47	2.24	2.90	5.99	3.04	4.36	4.13	3.59	3.85	4.21	3.00	3.57
9	4.23	2.20	3.15	4.22	2.10	2.92	3.68	2.69	3.09	4.62	3.01	4.07
10	4.70	2.86	3.71	4.22	2.95	3.34	3.49	2.52	3.03	3.90	2.86	3.35
11	4.65	2.18	3.13	3.78	3.26	3.52	4.05	2.66	3.49	4.71	2.86	3.94
12	3.82	2.72	3.34	3.93	3.39	3.72	3.91	2.66	3.37	4.43	2.86	3.84
13	3.87	2.94	3.45	3.82	3.27	3.54	4.68	3.22	4.07	4.50	3.22	3.94
14	5.21	3.54	4.32	3.59	3.14	3.32	4.17	3.15	3.79	4.57	3.12	3.93
15	8.82	5.21	6.55	3.90	3.24	3.56	4.71	3.16	4.12	4.51	2.89	3.74
16	5.69	4.40	5.01	5.04	3.43	4.37	4.68	3.64	4.23	4.20	2.70	3.49
17	4.89	2.07	3.19	5.90	4.44	5.21	5.08	3.30	4.34	4.52	2.58	3.58
18	3.73	2.07	2.99	5.30	4.37	4.87	4.96	3.90	4.50	4.49	2.80	3.78
19	4.18	2.90	3.51	4.99	3.77	4.58	5.05	4.31	4.64	4.41	3.25	3.92
20	3.78	2.82	3.38	3.77	2.57	3.15	5.11	4.06	4.58	4.20	3.28	3.70
21	4.81	2.67	3.71	3.78	2.16	3.04	4.37	3.45	3.93	3.71	2.96	3.32
22	5.61	2.84	4.00	4.08	3.09	3.56	3.68	3.04	3.24	3.65	2.59	3.18
23	3.80	1.82	2.64	3.83	2.24	3.10	3.70	3.14	3.47	3.88	2.56	3.33
24	3.80	2.40	3.20	3.82	2.42	3.18	3.85	3.11	3.55	4.05	2.60	3.43
25	5.29	2.81	3.85	4.25	2.78	3.53	3.87	3.23	3.60	4.40	2.65	3.71
26	5.29	3.81	4.37	4.28	3.36	3.79	4.59	3.38	4.07	4.77	2.74	3.90
27	4.71	3.60	4.16	4.41	3.82	4.13	4.86	3.44	4.29	4.89	2.87	4.07
28	4.89	3.82	4.39	4.44	3.73	4.06	7.76	3.64	5.82	5.02	3.24	4.18
29	---	---	---	4.58	3.72	4.25	8.10	4.46	6.00	4.57	3.14	3.85
30	---	---	---	4.94	3.72	4.40	5.90	3.94	4.90	4.39	2.84	3.67
31	---	---	---	4.84	3.65	4.41	---	---	---	3.90	2.74	3.33
MONTH	8.82	1.82	3.79	6.29	1.96	3.85	8.91	2.36	4.11	5.02	2.56	3.71
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.48	2.58	3.02	3.06	2.36	2.73	3.22	2.54	2.98	5.54	3.88	4.70
2	3.06	2.42	2.71	3.30	2.62	2.94	4.47	3.17	4.02	8.58	5.54	7.12
3	3.23	2.53	2.85	3.62	2.45	3.09	5.31	4.11	4.73	6.14	4.07	5.47
4	3.53	2.68	3.12	3.73	2.27	3.07	4.92	3.58	4.47	4.88	3.68	4.40
5	3.79	2.72	3.23	3.24	2.30	2.83	4.80	3.36	4.22	5.32	3.75	4.59
6	4.71	2.78	3.74	3.79	2.26	3.19	5.12	3.36	4.27	5.45	3.75	4.53
7	5.04	2.90	4.16	4.20	2.33	3.34	5.15	3.33	4.33	5.02	4.23	4.51
8	4.87	3.29	4.11	3.93	2.03	3.12	4.85	3.20	4.14	4.68	4.18	4.40
9	4.54	2.78	3.92	3.71	1.96	2.88	4.61	3.09	3.84	5.83	4.25	4.89
10	4.53	2.78	3.74	3.41	1.88	2.68	4.33	2.97	3.68	7.14	5.75	6.43
11	4.28	2.52	3.48	3.77	2.11	2.94	3.90	3.02	3.48	7.24	6.09	6.55
12	4.08	2.34	3.27	3.68	2.01	2.85	3.59	3.11	3.37	6.36	4.86	5.71
13	3.64	2.09	2.90	3.41	2.16	2.87	3.84	2.93	3.37	6.13	4.38	5.28
14	2.95	1.86	2.47	3.40	2.54	3.03	4.00	2.46	3.27	5.98	4.72	5.35
15	3.19	1.80	2.58	3.28	2.69	2.98	3.95	2.52	3.33	5.75	4.68	5.27
16	3.69	2.45	3.19	3.05	2.54	2.77	4.19	2.78	3.49	6.35	5.06	5.80
17	3.82	2.92	3.43	3.39	2.28	2.85	4.15	2.63	3.49	6.78	4.99	6.06
18	3.72	2.89	3.31	4.00	2.55	3.24	4.31	2.86	3.68	5.71	4.64	5.28
19	3.60	2.39	3.13	3.97	2.33	3.30	4.64	3.01	3.94	5.76	4.85	5.48
20	3.70	2.24	3.04	4.09	2.64	3.42	5.43	3.30	4.63	5.75	3.80	4.70
21	4.15	2.36	3.36	4.21	2.80	3.53	6.51	4.56	5.44	4.41	3.62	4.09
22	4.22	2.36	3.45	4.21	2.64	3.57	5.71	4.40	5.15	4.03	3.41	3.75
23	4.30	2.49	3.46	4.36	2.61	3.52	4.90	4.02	4.58	4.41	4.00	4.21
24	4.43	2.40	3.49	3.90	2.56	3.32	4.62	3.76	4.32	5.26	4.41	4.90
25	4.94	2.46	3.69	4.09	2.58	3.47	4.40	3.75	4.05	5.60	5.08	5.32
26	4.35	2.71	3.53	3.83	2.49	3.32	4.00	3.37	3.73	6.65	4.99	5.46
27	4.34	2.80	3.47	3.62	2.78	3.28	3.87	3.48	3.70	---	---	---
28	4.36	2.67	3.48	3.45	2.71	3.18	3.88	3.24	3.56	---	---	---
29	3.62	2.51	3.13	3.39	2.71	3.07	4.13	3.37	3.77	---	---	---
30	3.26	2.44	2.92	3.32	2.67	2.93	4.37	3.27	3.88	---	---	---
31	---	---	---	3.37	2.79	3.02	4.60	3.48	4.10	---	---	---
MONTH	5.04	1.80	3.31	4.36	1.88	3.11	6.51	2.46	3.97	---	---	---

MISSISSIPPI RIVER DELTA
073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.-- May 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1997 to current year.

WATER TEMPERATURES: May 1997 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--Records fair. The maximum specific conductance for water year 1998 was higher during period of no record caused by Hurricane Georges on Sept. 27-28.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 31,800 microsiemens, June 6, 1998; minimum daily mean, 3,110 microsiemens, Feb. 8, 1998.

WATER TEMPERATURE: Maximum daily, 34.3° C, Aug. 28, 1998; minimum daily, 5.6° C Dec. 30, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: May 1997 to Sept. 1997, maximum daily, 26,000 microsiemens, Sept. 6; minimum daily, 5660 microsiemens, July 30.

Water year 1998: maximum daily, 31,800 microsiemens, June 6; minimum daily, 3,110 microsiemens, Feb. 8.

WATER TEMPERATURE: May 1997 to Sept. 1997: Maximum daily, 33.8° C, Aug. 20; minimum daily, 23.7° C June 1.

Water year 1998: Maximum daily, 34.3° C, Aug. 28; minimum daily, 5.6° C, Dec. 30.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										9360	6270	7430
22										10900	6170	8160
23										10300	6490	8270
24										11900	6650	8700
25										9430	6470	7490
26										8100	6250	7020
27										8040	6010	6740
28										8400	5830	6750
29										9890	6980	8700
30										10200	8690	9170
31										9440	6700	7840
MONTH										---	---	---

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7470	6120	6820	8200	7100	7690	14500	5800	10400	17100	12900	15100
2	7830	5770	6870	7480	6770	7200	14200	8810	11900	18500	14000	16700
3	8900	5770	7330	7570	6740	7090	13200	7970	10700	17200	13400	14700
4	9090	6020	7330	9000	6830	7550	9490	7390	8170	17500	14600	16500
5	9470	6220	7720	11300	7050	8650	8470	6980	7540	26000	16500	21200
6	10900	7670	9530	10500	7550	9080	8860	6810	7690	26000	22500	24500
7	10100	7660	8690	9250	7480	8230	8250	6760	7580	23500	20600	22400
8	10700	7650	8930	8310	6990	7650	7850	6480	7100	23400	17900	20600
9	11700	8230	9980	7260	6110	6990	7840	6310	6860	20100	17600	19000
10	13600	9770	11700	6540	6110	6340	8050	5990	7000	20000	16500	18400
11	12300	9570	10200	6300	5970	6150	7420	5970	6740	23100	16800	19600
12	10200	9290	9670	6580	5730	6200	8520	6050	7550	23400	17300	20400
13	9290	8520	8760	6760	5670	6150	9250	5920	7680	23800	18400	21500
14	8520	7720	8200	9310	6110	7210	8710	5770	7140	23900	18400	20800
15	7980	7700	7890	9180	6590	7920	8370	5670	6840	22700	18600	20500
16	7980	7100	7700	9780	6640	8030	11300	5670	8170	22700	18800	20600
17	7330	6810	7130	11200	6690	8450	11500	6290	8860	22700	19200	20500
18	7510	6790	7150	15800	9770	12600	12000	6810	9150	22900	20100	21500
19	8260	6840	7370	9770	7980	8800	11800	7110	9150	24200	20900	22600
20	8130	6900	7320	8310	6890	7710	8370	7270	7510	25600	22300	24400
21	9660	6850	7950	7340	6790	7060	8720	7220	7660	25600	20600	23000
22	10400	7030	8380	7300	6670	6880	11000	8370	10100	23700	20300	22200
23	9740	7160	8130	7210	6470	6910	13900	10900	12000	24800	20700	23200
24	11400	7360	9090	7240	6630	7010	14600	10900	12700	24900	21500	23500
25	9920	7760	8240	7030	6340	6650	16800	11000	14600	22200	19500	21300
26	8430	7890	8130	6410	6020	6260	18100	12700	16000	21900	19500	20800
27	8250	7860	8050	6740	6040	6310	15600	11700	14000	21200	19900	20800
28	8150	7510	7940	7040	6130	6580	13900	11300	12000	21000	20400	20800
29	8830	7330	8090	7100	5670	6370	14500	11200	12900	20400	19500	19900
30	8710	7120	8100	7350	5660	6230	14500	11200	12900	19700	18400	19100
31	---	---	---	8090	5720	6680	15300	11600	13600	---	---	---
MONTH	13600	5770	8280	15800	5660	7380	18100	5670	9750	26000	12900	20500

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18400	17200	17600	20000	17300	18400	14400	12000	13200	15000	12500	14000
2	19500	15600	18600	19300	16800	17600	15500	12300	14200	16300	12900	14300
3	18400	15600	16900	17500	15500	16600	17100	12400	14500	17700	15000	15800
4	19700	18000	18600	17400	15900	16500	15900	11300	12900	19600	17500	18600
5	20300	17800	19300	19300	16500	17600	12700	10700	11500	19500	15700	17800
6	20500	18900	19600	19000	15500	17300	12200	10400	11100	17300	11300	14800
7	21000	18500	19800	17500	15500	16300	12500	10900	12000	17400	9420	12000
8	20900	18300	19600	17700	15600	16500	14900	12200	13600	9850	6730	7290
9	20600	19400	19800	17600	16000	17100	15000	12400	13500	7750	6380	6720
10	21800	19300	20600	18600	17400	17800	14900	11500	12500	8010	6480	7020
11	22500	20800	21400	20400	18000	19300	14200	11700	12800	8060	6500	7160
12	22600	19600	21600	21300	18900	20300	14700	11500	12800	8410	6560	7480
13	22200	18800	20700	20400	16200	18100	14700	11000	12200	9170	6590	7690
14	21000	18800	20000	18300	14400	15900	12300	10400	11100	10200	6530	7790
15	22700	18900	21400	17800	14500	15700	11200	10300	10700	8570	5650	6730
16	20300	18400	19100	16000	13900	14900	11600	10700	11100	5650	4800	5120
17	19700	18600	19100	18900	15000	17000	12400	11000	11500	5020	4180	4440
18	20700	17700	18800	17500	14400	16000	13700	11000	12300	4980	4160	4470
19	19200	17400	18100	21400	15300	17700	13700	11200	12800	5080	3700	4250
20	18300	17000	17600	19200	15200	17200	14200	12600	13500	7380	4900	5900
21	18200	16700	17300	18200	16200	17200	14800	13400	14100	8500	5360	6850
22	18200	16400	17400	18300	14600	16200	15300	14000	14600	8480	6060	7300
23	19500	17600	18700	19100	14500	16900	16900	14700	15700	7450	5020	5630
24	19600	16900	18300	19200	16600	18600	17200	13400	14500	6080	4700	5060
25	21100	18700	19900	19100	14900	16900	15000	12900	14200	5630	4670	4910
26	19800	17300	18500	18200	14800	16500	17000	14700	15500	6240	5080	5530
27	18600	17100	17600	20200	14400	17200	17900	12500	14100	6220	3900	4650
28	18600	17800	18200	21100	16100	18800	15100	12500	13500	4480	3880	4090
29	18600	16700	17600	22100	14700	17200	13700	11600	12400	4130	3630	3850
30	19200	16800	18000	17300	12500	14200	12400	10800	11200	4130	3650	3830
31	19800	18000	19000	---	---	---	12500	10600	11000	5470	3880	4630
MONTH	22700	15600	19000	22100	12500	17100	17900	10300	12900	19600	3630	7930

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7590	5390	6300	4240	3700	3990	5520	4570	5050	4620	4540	4600
2	10400	7370	8990	3870	3640	3760	5200	4820	5020	4560	4280	4450
3	9340	5150	6410	---	---	---	4950	4350	4580	4410	4030	4300
4	5330	4120	4740	---	---	---	4580	4210	4440	4300	4010	4190
5	4300	3580	3930	---	---	---	4830	4440	4610	4630	4160	4320
6	3870	3670	3730	5290	3850	4300	4810	4300	4560	4640	4460	4560
7	3920	3280	3680	---	---	---	4870	4440	4690	4640	4270	4400
8	3500	3110	3300	---	---	---	4900	4550	4750	4520	4220	4310
9	3530	3250	3360	---	---	---	4550	3880	4270	5580	4230	4570
10	5090	3350	3790	---	---	---	4070	3830	3940	4320	4160	4260
11	5090	3700	4080	---	---	---	4550	3940	4140	5090	4210	4520
12	3890	3170	3610	---	---	---	4620	4100	4250	5670	4290	4780
13	3960	3250	3630	---	---	---	5120	4240	4660	6290	4490	5280
14	---	---	---	---	---	---	4910	4370	4610	7120	4640	5800
15	---	---	---	---	---	---	4940	4410	4730	7370	4710	5940
16	7180	5990	6260	---	---	---	4960	3800	4630	6630	4760	5380
17	6510	5360	5630	---	---	---	4820	3830	4430	10600	4670	6590
18	---	---	---	---	---	---	4710	4120	4440	11400	4850	7830
19	4660	3990	4300	5190	4340	4720	4680	4320	4510	11200	5870	9140
20	4510	3900	4060	4370	3620	3930	4750	4390	4550	10100	6410	8470
21	4890	3600	3930	3730	3380	3600	4800	4630	4760	8030	5570	6500
22	5480	4000	4650	3660	3510	3580	4810	4440	4630	6140	5200	5510
23	4070	3390	3780	3620	3340	3500	4670	4440	4540	6840	5230	5880
24	3550	3290	3430	3640	3360	3480	4610	4510	4570	8490	5330	6740
25	4420	3400	3670	4080	3400	3690	4790	4570	4660	13900	5380	9380
26	---	---	---	4420	3910	4110	4900	4670	4780	15800	5970	11500
27	---	---	---	4820	4330	4510	4960	4800	4880	19100	7630	13900
28	---	---	---	4970	4530	4730	5490	4760	5030	19800	9580	14900
29	---	---	---	5190	4710	4920	5090	4700	4830	15500	10700	13000
30	---	---	---	5390	4660	5030	4860	4600	4750	14700	9530	11700
31	---	---	---	5400	4730	5130	---	---	---	11100	8280	9430
MONTH	---	---	---	---	---	---	5520	3800	4610	19800	4010	6970
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8280	7110	7450	13400	11100	12100	12000	8930	10700	20200	17500	19000
2	7110	6500	6800	13500	11600	12400	17600	11600	14800	20000	19100	19700
3	6840	6240	6490	22100	12000	18300	19700	16900	18500	19200	18200	18900
4	11600	6530	7810	21500	18100	19500	22800	19400	21400	18200	17700	18000
5	19200	6500	12300	18100	15700	16900	21800	19600	20700	18000	17500	17800
6	31800	8060	21100	17800	14400	16500	20800	19000	19800	18100	17600	17800
7	30500	8630	23100	19400	14300	16900	21000	18200	19500	17900	17300	17500
8	31600	18100	25400	18400	15200	16800	19700	17200	18500	17500	16900	17100
9	28900	16100	23900	16800	13700	15200	17200	15700	16200	17900	16900	17300
10	28000	14600	20700	14100	12900	13400	16000	15000	15300	18700	17900	18300
11	23400	14000	18100	14200	11800	12800	15700	14000	14500	18700	18100	18500
12	21600	12900	16300	14400	11900	12900	14000	12500	13000	18200	16000	17500
13	16000	11500	13200	13200	9180	12000	12800	11600	12300	16500	14700	15700
14	11600	8780	9910	10200	8670	9150	12800	11100	11900	16900	15300	15800
15	13100	8440	9950	9210	8580	8940	11700	10300	11200	16100	14900	15500
16	24100	9010	16600	8610	6990	8140	12700	10300	11400	15000	14700	14900
17	25500	19000	23100	7560	6430	7070	12600	10100	11500	14900	14700	14700
18	24200	19700	22300	16000	6470	12400	13500	10100	11800	16100	14300	14900
19	22500	16100	19700	16900	13800	15600	15600	10400	12800	15500	14100	14500
20	22000	13500	17900	16400	13500	15200	18600	12500	15100	15900	13400	14800
21	26400	13200	20500	17100	14900	16100	19600	17900	18400	13700	12400	13000
22	27500	12800	21400	17000	14500	16300	20300	18800	19300	13100	12400	12800
23	27700	14300	21400	16300	12900	14700	19700	18100	18700	12400	11600	12100
24	28600	14200	21200	15100	11900	13700	18100	17200	17600	11600	11000	11200
25	29500	14700	22500	15200	11300	13100	17300	16500	16800	11900	11200	11700
26	25900	16400	21100	14000	13000	13300	16500	14600	15400	12800	11900	12300
27	25300	15100	19400	13200	11100	12300	15000	14700	14900	---	---	---
28	24700	16600	20700	11100	9760	10100	15000	14600	14800	---	---	---
29	17500	12700	15300	10000	9630	9810	15600	14600	15000	---	---	---
30	15800	12400	13800	10400	9320	9810	17400	15500	16400	---	---	---
31	---	---	---	10200	9490	9900	19100	15600	17900	---	---	---
MONTH	31800	6240	17300	22100	6430	13300	22800	8930	15700	20200	11000	15800

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										28.4	26.1	27.4
22										28.6	25.5	27.2
23										29.1	26.9	28.1
24										29.0	26.8	27.9
25										27.3	24.6	26.1
26										29.2	26.2	27.5
27										29.9	27.6	28.7
28										30.8	28.2	29.4
29										29.0	26.6	27.5
30										26.8	25.1	26.1
31										26.2	25.1	25.6
MONTH										---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.4	23.7	24.9	31.4	28.6	29.9	30.2	27.9	28.9	32.4	28.8	30.6
2	26.9	24.3	25.7	31.6	28.6	30.4	28.9	26.6	27.8	32.0	29.4	30.6
3	27.7	24.7	26.3	32.2	28.8	30.7	29.3	27.8	28.7	31.6	29.8	30.9
4	28.8	25.2	27.2	33.2	29.8	31.6	29.6	28.3	29.0	31.4	29.2	30.1
5	28.4	26.2	27.6	32.5	30.0	31.4	31.1	28.5	29.8	29.9	28.2	28.9
6	27.7	25.6	26.7	30.5	28.9	29.8	31.7	29.4	30.4	28.6	27.4	27.9
7	26.6	25.8	26.1	30.0	27.8	29.1	31.9	29.0	30.1	28.7	26.4	27.5
8	27.1	25.0	26.2	29.1	28.3	28.7	30.6	29.0	29.9	29.1	27.3	28.1
9	27.0	24.9	26.1	29.3	27.5	28.2	30.5	28.1	29.2	29.8	27.9	28.8
10	27.0	25.6	26.4	31.2	27.9	29.1	30.7	29.2	29.9	29.9	28.3	28.9
11	27.9	26.2	27.0	31.5	29.4	30.4	31.5	29.3	30.0	29.6	27.6	28.5
12	28.7	26.9	27.6	32.4	29.1	30.5	32.3	30.1	30.8	29.5	27.7	28.6
13	30.3	28.0	28.6	31.5	29.4	30.4	32.2	30.5	31.2	30.2	27.9	29.1
14	31.0	28.1	29.1	31.2	28.7	29.8	32.1	29.8	31.0	31.1	28.7	29.8
15	31.0	28.6	29.8	31.6	29.3	30.5	32.6	29.7	31.1	30.6	29.3	29.9
16	31.5	28.7	30.1	31.8	29.5	30.6	32.6	29.9	31.4	30.7	29.2	29.9
17	31.4	28.6	29.4	30.3	27.0	28.4	32.4	30.1	31.5	31.1	29.0	30.0
18	28.6	26.7	27.1	27.0	24.9	25.7	33.1	30.4	31.8	31.2	29.4	30.3
19	28.2	26.4	27.2	27.2	24.5	25.5	32.5	30.4	31.6	31.3	28.9	29.9
20	29.6	26.7	28.2	29.0	26.6	27.6	33.8	31.1	32.3	30.9	28.3	29.4
21	30.5	27.6	29.4	30.1	26.8	28.4	32.9	29.8	31.2	31.0	28.7	29.8
22	31.5	28.4	30.1	30.0	28.6	29.4	31.6	28.7	30.2	31.1	29.4	30.2
23	32.0	29.2	30.6	29.6	28.4	29.0	30.7	28.0	28.8	30.2	28.9	29.6
24	30.3	28.5	29.5	31.7	28.4	29.4	29.1	27.0	27.9	29.7	28.4	29.0
25	29.4	27.6	28.2	31.1	29.7	30.3	29.8	27.1	28.1	29.1	25.4	27.6
26	28.5	27.3	27.9	31.7	29.1	30.0	29.8	28.0	28.7	26.2	24.6	25.3
27	28.9	27.7	28.5	31.7	30.1	30.9	30.8	27.7	29.0	26.3	24.7	25.4
28	29.6	27.6	28.3	32.2	30.2	31.0	31.5	28.6	29.9	26.7	24.6	25.6
29	30.5	28.1	29.0	32.2	30.0	30.7	31.5	29.1	30.2	28.2	25.6	26.9
30	30.8	28.4	29.3	31.1	29.0	30.1	31.7	29.5	30.8	29.0	26.4	27.6
31	---	---	---	30.8	29.3	30.1	32.6	29.8	31.0	---	---	---
MONTH	32.0	23.7	27.9	33.2	24.5	29.6	33.8	26.6	30.1	32.4	24.6	28.8

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	30.1	27.0	28.3	22.3	19.2	20.8	18.1	16.0	16.9	13.7	9.1	10.5
2	28.2	25.6	26.5	21.5	20.0	20.5	17.5	16.1	16.6	15.1	10.7	12.3
3	27.1	24.7	25.8	20.0	16.9	18.4	17.7	16.4	17.1	15.9	12.8	14.0
4	27.6	25.1	26.1	19.1	16.6	17.7	17.1	14.3	16.4	16.0	14.4	15.1
5	28.2	25.4	26.5	19.5	17.2	18.3	14.8	13.1	14.2	16.5	15.8	16.2
6	28.3	26.2	26.9	19.6	15.8	18.7	13.6	11.6	12.5	16.8	16.3	16.6
7	27.5	25.6	26.4	15.8	14.2	15.1	12.2	10.8	11.2	18.0	16.7	17.6
8	27.4	25.4	26.3	15.1	12.8	13.7	13.3	11.1	12.2	17.5	14.3	15.7
9	27.7	26.1	26.8	15.7	13.4	14.5	16.2	13.0	14.5	15.7	13.1	14.0
10	26.8	25.9	26.3	15.5	14.6	15.1	18.9	16.1	17.4	16.5	13.1	14.1
11	26.9	25.4	26.1	15.2	14.7	14.9	17.2	11.2	13.9	17.4	13.7	15.0
12	26.6	24.9	25.6	15.6	14.9	15.3	11.3	8.9	10.2	18.5	14.9	16.5
13	26.6	25.5	26.1	17.1	15.4	16.1	9.1	7.8	8.5	17.6	16.8	17.3
14	26.0	19.9	22.9	17.8	15.8	16.5	8.3	6.1	7.2	16.8	16.5	16.6
15	19.9	18.2	19.1	16.9	15.2	15.9	9.5	5.9	7.3	16.9	15.6	16.4
16	20.2	17.7	18.8	15.3	12.7	13.8	11.4	7.4	8.8	15.6	12.9	14.1
17	19.7	18.0	18.8	12.7	11.0	11.7	13.1	8.6	10.5	16.8	13.1	14.6
18	19.7	17.9	18.8	13.7	11.3	12.2	15.0	10.5	12.3	17.3	15.2	16.3
19	20.0	17.8	19.0	12.9	12.7	12.8	17.6	12.5	14.3	17.2	14.7	16.0
20	21.7	18.9	20.1	15.7	12.8	14.0	15.9	14.1	14.8	15.1	13.1	14.3
21	22.6	20.3	21.3	19.7	15.0	16.9	16.8	14.6	15.9	15.7	13.9	14.9
22	22.6	21.4	22.0	19.5	18.1	18.8	17.1	15.7	16.2	15.8	15.5	15.7
23	22.4	21.0	21.6	18.6	16.4	17.3	16.2	15.6	15.9	15.7	14.6	15.2
24	23.9	21.3	22.4	16.9	15.3	16.1	17.2	15.7	16.5	15.0	12.9	13.9
25	24.6	22.9	23.8	17.6	15.2	16.1	16.7	15.0	15.8	15.0	12.4	13.4
26	24.6	22.0	23.8	19.0	15.8	17.0	15.4	13.7	14.6	13.5	12.9	13.2
27	22.0	17.0	19.6	19.4	16.9	17.9	13.9	11.0	12.2	13.2	11.5	12.2
28	17.1	15.4	16.3	19.6	17.6	18.4	12.3	9.8	11.0	14.2	10.8	12.2
29	16.6	15.7	16.2	20.0	18.8	19.6	11.2	6.6	9.7	14.9	11.9	13.1
30	18.3	16.0	17.1	19.6	17.0	18.4	12.0	5.6	8.6	16.8	13.3	14.4
31	20.2	17.4	18.7	---	---	---	12.6	9.0	9.9	15.3	13.2	14.2
MONTH	30.1	15.4	22.7	22.3	11.0	16.4	18.9	5.6	13.0	18.5	9.1	14.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.8	13.4	14.1	18.2	16.2	17.4	22.7	20.7	22.0	23.9	21.4	22.5
2	14.5	14.0	14.4	16.6	14.7	15.7	23.2	21.4	22.3	25.3	22.3	23.6
3	14.0	13.2	13.5	---	---	---	24.8	22.8	23.5	26.4	23.5	24.5
4	13.2	11.4	12.3	---	---	---	23.5	21.3	22.7	27.1	24.5	25.7
5	12.4	11.0	11.6	15.9	15.3	15.6	22.0	18.3	20.3	27.3	24.9	26.0
6	11.7	10.4	11.0	17.7	15.9	16.8	21.7	19.8	20.7	26.9	25.0	25.9
7	13.3	9.6	11.1	17.4	16.9	17.1	22.0	20.7	21.4	27.6	25.7	26.3
8	13.8	10.2	11.8	---	---	---	24.0	21.5	22.8	28.6	26.1	27.3
9	13.0	12.1	12.5	---	---	---	24.4	21.8	22.9	28.8	26.9	27.7
10	16.3	12.2	14.1	---	---	---	21.9	18.6	20.6	28.8	26.4	27.4
11	17.0	15.2	16.1	---	---	---	21.2	17.6	19.4	27.7	24.6	26.4
12	17.4	14.4	15.8	---	---	---	22.3	19.1	20.9	29.0	25.4	27.3
13	18.6	15.4	16.8	---	---	---	21.9	19.3	20.7	28.8	25.4	27.3
14	---	---	---	---	---	---	23.8	20.7	22.2	28.4	25.3	27.0
15	---	---	---	---	---	---	24.2	21.9	23.3	29.0	26.0	27.5
16	15.1	14.5	14.8	---	---	---	24.7	22.8	23.9	29.0	26.8	28.0
17	16.4	13.9	15.1	---	---	---	24.8	24.1	24.4	29.7	27.2	28.4
18	16.4	13.9	15.3	---	---	---	25.2	23.7	24.5	30.2	27.7	29.1
19	15.8	14.5	14.9	18.9	17.5	18.1	23.9	22.2	22.8	30.9	28.5	29.7
20	15.9	13.8	14.8	18.5	15.9	17.0	22.6	19.7	21.6	30.9	28.9	30.0
21	16.8	14.1	15.4	16.7	13.6	15.2	23.8	21.1	22.3	31.1	29.4	30.0
22	16.8	15.3	15.9	16.6	14.0	15.4	22.3	19.9	21.3	30.3	28.5	29.2
23	17.7	13.3	15.1	17.9	14.8	16.5	21.8	18.9	20.2	29.3	27.0	28.2
24	19.2	14.6	16.3	20.1	16.6	18.3	23.1	19.5	21.3	29.6	26.9	28.5
25	18.4	15.8	17.2	21.4	18.1	19.8	23.4	20.2	21.8	29.9	27.0	28.6
26	---	---	---	22.3	19.4	20.7	23.3	20.8	21.8	29.4	27.0	28.5
27	---	---	---	22.2	19.7	21.0	24.0	21.3	22.7	29.9	27.4	28.8
28	19.6	17.3	18.2	22.8	20.5	21.7	23.4	20.5	22.1	30.4	27.6	29.2
29	---	---	---	23.2	21.4	22.3	20.5	19.7	19.9	29.5	28.3	28.9
30	---	---	---	23.8	21.4	22.6	22.2	19.6	20.6	30.8	28.0	29.1
31	---	---	---	23.5	21.9	22.8	---	---	---	30.9	29.3	30.0
MONTH	19.6	9.6	14.5	---	---	---	25.2	17.6	21.9	31.1	21.4	27.6

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	32.4	29.3	30.6	32.6	30.0	31.2	32.8	30.9	31.6	30.8	27.4	29.0
2	31.9	30.2	30.9	31.4	29.3	30.2	32.2	30.4	31.2	27.4	26.8	27.1
3	31.8	29.4	30.8	30.9	28.8	29.8	30.8	29.4	30.1	28.6	26.3	27.2
4	31.2	28.5	30.0	32.2	29.5	30.8	30.3	28.4	29.3	29.7	27.8	28.6
5	30.7	27.9	29.6	32.4	30.2	31.6	29.5	28.7	29.1	29.5	28.1	28.5
6	30.5	27.7	28.4	32.6	30.4	31.7	30.8	28.5	29.6	28.3	27.5	27.9
7	28.1	25.6	26.4	33.7	30.9	32.5	31.4	29.2	30.4	27.5	26.9	27.2
8	27.3	24.3	26.1	33.5	31.3	32.7	31.8	30.2	31.0	27.4	26.5	27.0
9	29.7	26.2	27.9	33.5	31.1	32.5	31.9	30.4	31.2	27.3	26.6	26.9
10	31.2	28.0	29.7	32.8	30.3	31.8	32.9	30.1	31.3	26.6	25.8	26.0
11	30.8	28.6	30.0	31.8	29.8	30.8	32.8	31.0	31.8	25.9	25.3	25.7
12	31.7	28.9	30.4	32.3	29.8	31.0	32.6	30.9	31.7	25.4	25.0	25.2
13	31.9	29.3	30.6	32.5	30.0	31.2	32.2	30.0	31.0	26.0	25.0	25.4
14	31.1	29.4	30.2	31.2	29.8	30.4	30.8	29.9	30.3	27.0	25.6	26.2
15	31.0	28.4	29.7	31.3	29.3	30.3	30.6	28.8	29.7	28.2	26.2	27.0
16	31.7	28.1	30.0	31.2	29.3	30.2	30.8	28.9	29.7	28.5	27.2	27.8
17	32.6	29.1	30.9	30.2	28.2	29.4	31.3	29.2	30.0	28.0	26.8	27.1
18	32.2	30.4	31.4	31.1	28.4	29.8	31.3	29.8	30.4	28.0	26.5	27.2
19	32.9	30.5	31.8	32.4	29.8	30.7	31.6	29.3	30.4	28.0	27.2	27.6
20	32.9	30.2	31.6	32.5	30.5	31.8	31.1	29.6	30.4	28.7	27.0	27.7
21	32.7	30.5	31.5	32.5	30.5	30.9	30.4	27.7	28.7	28.7	28.0	28.3
22	32.4	29.5	31.3	30.9	29.0	30.0	29.6	27.1	28.1	30.0	28.0	28.8
23	32.8	29.6	31.6	30.6	29.2	30.0	30.8	28.4	29.5	30.9	28.8	29.8
24	33.3	30.3	32.0	30.3	29.1	29.8	32.3	29.4	30.6	30.7	28.5	29.3
25	32.2	28.9	30.5	32.0	29.1	30.4	32.9	30.5	31.6	28.8	27.5	28.0
26	28.9	26.7	27.7	30.4	29.1	29.7	33.2	31.0	32.1	28.3	26.8	27.4
27	27.5	26.5	27.0	29.5	28.5	29.1	34.1	31.5	32.7	---	---	---
28	29.0	26.6	27.7	30.9	28.5	29.5	34.3	32.1	33.1	---	---	---
29	32.0	28.5	30.0	30.9	29.4	30.1	33.8	31.9	32.7	---	---	---
30	31.1	29.4	30.3	32.4	29.7	30.9	33.3	31.8	32.4	---	---	---
31	---	---	---	32.3	30.4	31.3	31.9	30.8	31.3	---	---	---
MONTH	33.3	24.3	29.9	33.7	28.2	30.7	34.3	27.1	30.7	30.9	25.0	27.5

MISSISSIPPI RIVER DELTA

07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA

LOCATION.--Lat 29°38'12", long 89°33'49", Plaquemines Parish, Hydrologic Unit 08090203, on a three-pile platform 13 miles northeast of Pointe a la Hache.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--March 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to Oct. 1, 1995, datum of gage was 8.4 ft below sea level. (Levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station. Maximum elevation for period of record and current year may have higher during period of missing record caused by Hurricane Georges.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.49 ft, Sept. 27, 1998; minimum, -3.06 ft, revised, Mar. 13, 1993.

REVISIONS.--Minimum elevation has been revised to reflect the datum used prior to Oct. 1, 1995.

EXTREMES FOR CURRENT PERIOD.--Maximum elevation recorded, 7.49 ft, Sept. 27; minimum, -2.51 ft, Dec. 29.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.15	.24	.49	2.06	.76	1.35	1.61	-.20	.68	1.22	-.49	.29
2	1.86	.80	1.33	1.62	.20	.86	1.88	.03	.93	1.36	-.38	.52
3	1.74	.43	1.02	1.11	-.70	.03	1.93	.12	1.01	1.31	.31	.85
4	2.41	.80	1.52	1.39	-.47	.43	1.83	-.42	.52	1.49	.74	1.11
5	2.45	.94	1.61	1.51	.05	.80	1.07	-.32	.34	1.65	1.13	1.42
6	2.83	1.08	1.92	1.49	-.33	.42	.75	-.29	.19	1.70	.66	1.31
7	2.83	1.46	2.14	.89	-.31	.30	1.07	.16	.54	2.34	.89	1.60
8	2.93	1.35	2.22	.89	-.05	.43	1.75	.82	1.19	.89	-1.04	-.24
9	3.01	1.66	2.34	1.01	.23	.69	1.77	.50	1.11	1.18	-1.04	.00
10	3.12	1.95	2.54	1.11	.70	.88	1.40	.15	.77	1.39	-.62	.40
11	2.83	2.13	2.53	1.66	.74	1.19	---	---	---	1.59	-.39	.57
12	3.09	1.93	2.60	2.45	1.37	1.86	---	---	---	1.65	-.12	.81
13	2.89	1.50	2.31	2.16	1.15	1.76	---	---	---	2.42	.04	1.03
14	2.37	1.41	1.94	1.84	-.16	.85	---	---	---	2.49	.23	1.28
15	2.37	1.81	2.11	1.77	.00	.84	---	---	---	1.83	.01	1.06
16	2.08	1.20	1.76	1.63	-.05	.61	---	---	---	.46	-.71	-.17
17	2.08	.95	1.57	1.69	.26	.91	.89	-.95	-.02	.46	-.55	.04
18	2.04	.36	1.19	1.99	-.06	.78	.89	-.61	.18	.82	.19	.52
19	1.85	.17	1.01	2.23	.53	1.25	.87	-.50	.24	1.24	.02	.61
20	1.48	.01	.76	1.83	.61	1.20	1.30	-.13	.51	1.73	.86	1.27
21	1.55	.05	.83	1.49	.57	.95	1.30	.82	1.04	2.13	.90	1.51
22	1.44	.40	.92	---	---	---	1.30	.65	.97	2.37	1.29	1.78
23	1.96	.97	1.47	---	---	---	1.74	.70	1.23	1.88	.43	1.21
24	2.09	.46	1.35	---	---	---	1.50	.69	1.05	1.51	.06	.89
25	2.17	1.35	1.84	1.24	.28	.77	1.45	-.14	.76	1.85	.33	.93
26	2.08	1.01	1.47	1.26	.21	.72	1.79	.63	1.27	2.37	.49	1.45
27	1.55	1.03	1.25	1.95	.15	1.02	1.55	-.82	.26	1.98	-.72	.50
28	1.56	.98	1.25	2.76	.38	1.37	1.26	-.41	.40	1.62	-.34	.51
29	1.27	.56	.94	2.74	.72	1.61	.43	-2.51	-1.33	1.26	-.48	.52
30	1.94	.50	1.17	2.17	-.53	.56	-.14	-1.55	-.85	1.28	-.20	.67
31	2.06	.93	1.52	---	---	---	.72	-1.74	-.72	1.69	1.15	1.41
MONTH	3.12	.01	1.58	---	---	---	---	---	---	2.49	-1.04	.83

MISSISSIPPI RIVER DELTA

07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.40	1.44	1.80	1.27	.25	.78	2.78	.35	1.74	2.08	.24	1.32
2	3.92	2.40	3.41	.55	-1.11	.17	2.08	.74	1.49	1.24	-.01	.67
3	2.95	.47	1.51	1.31	-1.23	.29	1.39	-.13	.86	1.06	.07	.54
4	.56	-.44	.08	1.54	-.01	.83	1.68	-.41	.80	1.56	-.07	.85
5	1.03	-.42	.36	1.79	.20	1.09	1.64	.89	1.23	1.61	.77	1.22
6	1.15	-.14	.60	2.46	.56	1.48	1.63	.35	1.08	1.44	1.03	1.22
7	.83	-.32	.34	3.80	1.42	2.48	1.50	.72	1.22	1.45	.41	.99
8	.90	-.54	.29	3.38	.15	1.64	1.64	.92	1.27	1.53	.44	.96
9	1.64	-.63	.51	1.14	-1.12	.00	1.12	.01	.42	1.95	.50	1.37
10	2.64	.13	1.12	1.14	.02	.30	.88	-.28	.30	1.27	-.13	.67
11	2.21	-.45	.58	.68	.25	.45	1.29	-.05	.69	1.97	.02	1.14
12	1.22	.02	.74	.72	.35	.55	1.20	.12	.65	1.72	.30	1.09
13	1.22	.26	.80	.88	.21	.57	1.93	.42	1.25	1.76	.44	1.13
14	2.42	.91	1.47	.75	.23	.47	1.51	.28	1.01	1.88	.02	1.13
15	6.37	2.42	3.69	1.03	.44	.70	2.03	.43	1.36	1.87	-.13	1.01
16	3.07	1.62	2.28	2.13	.59	1.53	2.30	.52	1.55	1.61	-.13	.80
17	2.24	-.70	.59	3.36	1.64	2.53	2.28	.45	1.57	1.96	-.20	.96
18	1.17	-.70	.34	2.54	1.61	2.09	2.25	.93	1.58	1.93	.03	1.18
19	1.43	.12	.75	2.43	.77	1.88	2.16	1.02	1.59	1.83	.58	1.31
20	1.08	-.03	.60	1.04	-.25	.48	2.15	.74	1.52	1.60	.65	1.11
21	1.87	-.28	.89	1.25	-.56	.51	1.49	.32	.92	1.21	.40	.75
22	2.70	-.03	1.29	1.52	.07	.88	.58	.10	.32	1.08	-.07	.57
23	1.05	-1.34	-.16	1.38	-.53	.56	.81	.19	.52	1.30	-.19	.67
24	.90	-.65	.27	1.21	-.30	.58	.88	.20	.57	1.53	-.20	.77
25	2.40	-.33	.85	1.60	.07	.89	1.08	.24	.69	1.83	-.04	1.03
26	2.40	.65	1.45	1.75	.55	1.06	1.65	.26	1.12	2.14	.09	1.25
27	1.75	.61	1.26	1.86	1.06	1.44	1.96	.63	1.31	2.33	.21	1.46
28	1.95	.67	1.39	1.86	1.06	1.40	4.53	.74	2.83	2.41	.49	1.54
29	---	---	---	1.93	1.03	1.55	5.16	.90	2.72	2.05	.24	1.24
30	---	---	---	2.30	1.20	1.74	2.43	.69	1.72	1.87	.18	1.11
31	---	---	---	2.27	.35	1.73	---	---	---	1.48	.09	.83
MONTH	6.37	-1.34	1.04	3.80	-1.23	1.05	5.16	-.41	1.20	2.41	-.20	1.03
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.10	-.01	.54	.46	-.14	.19	.68	-.09	.35	2.70	1.34	1.89
2	.77	-.10	.30	.73	.03	.37	1.66	.57	1.21	5.30	2.70	4.02
3	.85	.06	.44	.93	-.18	.41	2.37	1.04	1.72	3.48	1.29	2.68
4	1.20	.26	.69	1.08	-.31	.42	2.11	.62	1.43	2.17	.83	1.63
5	1.31	.20	.76	.63	-.38	.28	1.94	.48	1.29	2.57	.90	1.78
6	2.20	-.10	1.03	1.14	-.56	.48	2.33	.52	1.44	2.64	.97	1.74
7	2.25	.52	1.39	1.57	-.40	.66	2.52	.58	1.59	2.23	1.42	1.73
8	2.22	.57	1.41	1.28	-.80	.39	2.25	.46	1.45	2.04	1.38	1.66
9	1.98	.12	1.24	1.15	-.94	.22	1.85	.20	1.14	3.00	1.51	2.10
10	1.88	.01	1.08	.96	-.86	.11	1.61	.20	.95	4.08	2.87	3.38
11	1.79	-.36	.88	1.19	-.78	.32	1.18	.28	.74	4.19	2.93	3.56
12	1.65	-.61	.69	1.09	-.78	.22	1.03	.45	.65	3.63	1.89	2.83
13	1.25	-.77	.37	.97	-.54	.33	1.16	.28	.74	3.36	1.40	2.44
14	1.03	-.77	.25	1.02	-.09	.43	1.40	-.28	.64	3.27	1.75	2.53
15	.98	-.45	.37	.73	-.08	.33	1.35	-.26	.67	2.98	1.71	2.43
16	1.25	-.01	.76	.38	-.14	.11	1.58	.08	.80	3.36	2.38	2.87
17	1.25	.35	.85	.63	-.43	.16	1.41	-.21	.71	3.79	2.22	3.08
18	1.18	.35	.73	1.19	-.21	.50	1.47	-.06	.82	2.93	1.85	2.52
19	.98	-.14	.53	1.21	-.53	.47	1.56	.08	.97	2.96	2.18	2.65
20	1.20	-.41	.49	1.35	-.25	.62	2.35	.55	1.66	2.95	1.18	2.04
21	1.54	-.40	.69	1.43	-.17	.67	3.51	1.63	2.36	1.81	.99	1.46
22	1.52	-.27	.72	1.49	-.31	.70	2.81	1.38	2.14	1.42	.81	1.14
23	1.60	-.40	.72	1.58	-.35	.67	2.07	1.23	1.73	1.77	1.30	1.53
24	1.75	-.33	.78	1.25	-.27	.57	1.93	1.09	1.61	2.45	1.77	2.08
25	2.48	-.28	.98	1.35	-.26	.71	1.79	1.14	1.43	2.74	2.12	2.41
26	1.87	-.15	.82	1.13	-.28	.61	1.45	.84	1.18	3.83	1.91	2.54
27	1.77	-.06	.81	.97	.08	.64	1.31	.10	.98	---	---	---
28	1.62	-.21	.75	.84	.09	.54	1.27	.58	.94	---	---	---
29	.91	-.21	.44	.76	.12	.49	1.54	.70	1.12	---	---	---
30	.70	-.20	.35	.55	-.02	.24	1.74	.58	1.23	---	---	---
31	---	---	---	.72	.17	.38	1.92	.75	1.40	---	---	---
MONTH	2.48	-.77	.73	1.58	-.94	.43	3.51	-.28	1.20	---	---	---

MISSISSIPPI RIVER DELTA
07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE 'A--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.-- March 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 43,600 microsiemens, Oct. 7, 1996; minimum daily, 291 microsiemens, Mar. 3, 1994.

WATER TEMPERATURE: Maximum daily, 33.5° C, Aug. 19, 1995; minimum daily, 2.1° C Jan. 18, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily recorded, 42,600 microsiemens, Aug. 3, but could have been higher during period of no record caused by Hurricane Georges, Sep. 27, 28; minimum daily, 3,300 microsiemens, July 16.

WATER TEMPERATURE: Maximum daily, 33.4° C, Aug. 29; minimum daily recorded, 8.8° C Dec. 17, 30.

SPECIFIC CONDUCTANCE, μ S/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26600	22400	23900	32400	18000	27600	25800	16200	20300	30000	18000	24000
2	29300	25300	26600	32900	22800	25800	24500	18000	21600	29400	19800	25300
3	29000	23800	25900	25500	15300	21200	25700	19300	22400	32000	19700	26200
4	30400	24700	27000	28300	15000	22600	27100	14000	19600	30900	21800	27900
5	28500	26100	27300	32500	19100	25100	22000	15200	18300	33900	21000	28900
6	29300	25300	27500	29400	17900	23100	21400	12800	17700	32000	21900	26900
7	29700	27100	28100	32600	17100	24100	27600	15400	19400	30900	19500	24900
8	31700	27300	28400	33100	19300	27100	35900	21400	25900	22500	13300	17200
9	30100	26200	28300	35000	24000	27900	30500	23100	27300	18800	11700	15000
10	32800	29000	30200	39100	23500	29900	28900	20900	25600	20900	13500	16600
11	33500	29900	31100	38000	26400	31100	---	---	---	18600	12400	16100
12	33600	28400	31300	38400	27100	32200	---	---	---	23600	12600	17100
13	32100	27700	30300	35500	27900	31000	---	---	---	20800	10500	15200
14	32100	27000	28700	33000	21400	27600	---	---	---	20600	9850	16100
15	33300	28800	30400	34000	19700	26700	---	---	---	18400	10300	14000
16	31800	25100	27900	31600	20600	25800	---	---	---	10300	7490	8630
17	30600	25100	28000	33100	22200	28200	31500	19400	23200	10500	7210	8830
18	31500	24100	27500	33100	18300	26100	30400	18400	23800	11000	8040	9690
19	30700	22700	26400	33100	25300	28900	31500	20200	24000	14600	7110	9970
20	28500	23600	25400	36300	21100	28100	27900	22800	24800	17500	12000	14500
21	31300	23000	26300	31400	22300	27500	40500	23200	28700	20100	12600	15700
22	31500	23900	26600	---	---	---	32200	21100	28900	20400	10800	16200
23	31200	27400	29000	---	---	---	41200	23000	28500	19900	10700	14100
24	35800	15900	27300	---	---	---	34600	25900	29000	16700	7960	12700
25	32200	21100	28000	29500	16900	25300	32900	21800	26800	15300	10000	12200
26	34500	19000	27600	32600	18200	25200	36900	23900	29900	18600	12600	14800
27	31900	25400	27800	34000	21000	26400	30600	14500	25200	17900	5560	10000
28	31300	27000	28800	33000	23000	27600	28400	18800	24900	14000	7100	9800
29	30200	24800	27700	31600	19200	27400	25400	11700	17900	10600	6450	8660
30	30800	24800	27500	26500	15300	21100	25800	14500	17800	10700	6650	8630
31	36000	25500	29600	---	---	---	25000	13200	18800	15000	9100	12200
MONTH	36000	15900	27900	39100	15000	26700	41200	11700	23600	33900	5560	16100

MISSISSIPPI RIVER DELTA

07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	24800	13900	16700	8840	6360	7670	9470	7610	8370	8280	6660	7580
2	22200	11100	16000	6390	4070	5540	9640	7930	8530	7620	6360	7020
3	18500	9750	13700	7550	3890	5760	8460	6400	7230	7630	5650	6480
4	10000	5750	7180	8120	5410	6950	7660	5510	6530	6340	5040	5910
5	10800	5100	7180	9120	6920	7890	10400	6960	8570	6950	4940	6140
6	12500	6580	8890	9500	6940	8120	9050	7170	7900	6950	5610	6280
7	12600	5760	8950	10400	6580	8410	9150	7540	8300	6020	3890	5260
8	11500	4500	7660	8920	6190	7940	8400	6100	7680	6740	4900	5540
9	11100	5700	8010	6710	4320	5130	7200	5830	6570	8750	5260	6810
10	13800	8680	10700	6510	4120	5010	7440	5530	6280	5760	4710	5230
11	14500	5140	9060	6760	5200	5990	7300	5750	6590	14700	5650	10600
12	10000	5320	7580	8000	6260	7190	6920	5050	6270	14700	10300	11700
13	10900	6780	8380	8420	6610	7710	9880	6350	7690	13700	10600	12000
14	17400	8600	10900	7980	6180	6950	7860	6260	7120	14100	8340	11400
15	26500	8360	17200	7800	6100	6900	7810	6330	6960	12800	9970	11100
16	18000	10600	14700	9810	7090	8330	7690	5760	6800	12600	9210	10800
17	20300	7890	11500	12000	9150	11000	7120	5630	6440	14700	9570	12400
18	9680	7210	8350	11600	9600	11100	7850	5600	6610	17900	12300	14400
19	11100	6720	8400	11500	9520	10600	9060	6120	7780	18800	12400	15500
20	8910	5990	7700	10600	5750	7060	9560	6580	8040	18500	13700	16200
21	12500	6250	8320	8790	4930	6670	9620	5750	7820	16500	12800	14600
22	13700	7210	11000	10300	6250	7960	6890	5620	6080	16700	10500	13500
23	11000	4510	6270	8980	4780	6750	7750	5370	6150	15500	10800	13300
24	11000	4460	6760	8100	5110	6420	8460	5950	6940	18900	11800	14300
25	11200	6400	8080	9420	5180	6930	8010	6140	7000	19200	12700	15600
26	11300	7520	9620	9310	7220	7910	9450	6140	8370	20500	14000	17100
27	9070	6960	8240	10300	7690	8860	10400	7310	9000	23000	14100	19600
28	9790	7640	8620	10000	8220	9240	10400	7620	9110	25800	16500	21600
29	---	---	---	10600	8580	9610	10500	6950	8530	24700	17200	20900
30	---	---	---	9850	7990	8950	10100	7750	8560	26400	17200	23000
31	---	---	---	9240	7750	8700	---	---	---	21900	17000	19700
MONTH	26500	4460	9840	12000	3890	7720	10500	5050	7460	26400	3890	12300
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19100	13600	16900	26800	22300	24400	30700	23100	28600	23400	22500	23100
2	18100	11700	14700	26500	23000	25400	35100	28600	32000	23300	21700	22500
3	20200	11700	16800	28700	22600	25800	42600	30000	38200	24400	21600	22400
4	32400	19800	26100	27600	21900	25600	40500	34800	38000	23700	21800	22700
5	36200	23300	30500	27200	20500	24400	41400	32700	36400	22600	21600	22200
6	40700	24200	34600	37900	24900	30500	---	---	---	22700	21300	22200
7	36900	24200	32500	37200	26700	32700	---	---	---	22200	21400	21900
8	35600	31100	33300	35700	25400	30500	---	---	---	22200	21300	21700
9	36400	30300	34200	33600	22600	28300	---	---	---	21900	21300	21700
10	35100	29900	32900	31700	21600	26700	---	---	---	22900	21500	22100
11	34100	28800	32100	37100	22500	29600	---	---	---	22700	22100	22400
12	33600	26100	30400	34200	21300	26700	---	---	---	22600	20100	21300
13	33900	23300	28400	33900	22600	28000	---	---	---	20900	19200	20100
14	32500	19700	26000	32600	24300	29200	---	---	---	20100	18100	19500
15	34800	23400	30800	32500	17200	28400	---	---	---	---	---	---
16	35900	26000	32500	17200	3300	4440	---	---	---	---	---	---
17	33100	28500	31400	5450	3560	4590	---	---	---	---	---	---
18	33400	30000	31400	9220	4820	6650	---	---	---	---	---	---
19	34400	27200	31000	21200	6920	15000	---	---	---	---	---	---
20	33600	26900	30400	18500	10500	15300	---	---	---	---	---	---
21	34300	27500	31300	18300	11600	14200	---	---	---	---	---	---
22	34800	28100	31700	17000	10100	13800	---	---	---	---	---	---
23	34200	29500	32000	17100	9190	13900	---	---	---	---	---	---
24	34200	29700	32100	16300	9550	13000	---	---	---	---	---	---
25	36400	29400	32500	17400	10100	14000	---	---	---	---	---	---
26	33800	29600	31600	21700	13200	17200	---	---	---	---	---	---
27	32800	29400	30800	21800	10700	16900	---	---	---	---	---	---
28	33200	27400	30200	22900	12000	16900	23300	21900	22700	---	---	---
29	30200	22800	28300	26400	12500	21100	23500	22700	23100	---	---	---
30	30800	21500	25700	22700	18400	21000	24100	22400	23300	---	---	---
31	---	---	---	25800	18400	22700	24500	22500	23400	---	---	---
MONTH	40700	11700	29400	37900	3300	20900	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28.3	27.0	27.5	20.8	18.9	19.9	18.0	16.5	17.1	11.3	9.6	10.4
2	27.7	26.0	26.6	20.8	19.2	19.9	17.2	16.4	16.9	12.4	10.6	11.4
3	26.7	25.1	25.9	19.3	17.9	18.7	17.4	16.8	17.0	13.6	11.6	12.5
4	26.7	25.2	26.0	19.0	17.3	18.1	16.9	15.7	16.5	14.6	12.8	13.6
5	27.3	25.7	26.4	19.5	17.6	18.4	15.7	14.1	14.9	15.1	13.9	14.4
6	27.4	26.2	26.7	19.6	17.7	18.8	14.1	12.7	13.4	15.5	14.7	15.1
7	27.1	25.9	26.5	17.7	15.1	16.3	12.9	12.1	12.4	16.5	15.5	16.1
8	27.2	25.7	26.4	15.7	14.6	15.1	13.4	12.2	12.7	16.5	14.1	15.7
9	27.4	26.5	26.9	15.7	14.4	15.1	14.9	13.2	13.7	14.4	13.7	14.2
10	27.0	26.3	26.6	15.5	14.8	15.2	15.3	14.9	15.1	14.6	13.5	14.1
11	26.7	25.8	26.3	15.4	15.0	15.2	---	---	---	15.2	13.8	14.5
12	26.6	25.4	25.9	15.8	15.3	15.6	---	---	---	15.8	14.7	15.3
13	26.4	25.7	26.1	16.2	15.6	15.9	---	---	---	16.2	15.6	15.9
14	25.8	21.7	23.6	16.4	15.8	16.1	---	---	---	16.1	15.8	15.9
15	21.7	19.8	20.7	16.5	15.2	15.8	---	---	---	16.4	15.5	16.0
16	19.9	18.5	19.4	15.4	13.5	14.2	---	---	---	15.5	13.7	14.4
17	19.9	18.3	19.1	13.5	12.0	12.6	11.3	8.8	9.6	15.0	13.5	14.3
18	19.6	18.0	18.8	13.1	12.0	12.5	12.3	9.8	10.7	15.6	14.4	15.0
19	19.8	18.0	18.7	13.1	12.8	12.9	13.5	10.8	12.0	15.7	14.6	15.3
20	20.7	18.6	19.5	14.5	12.9	13.7	13.4	11.7	12.5	14.9	13.8	14.4
21	21.7	19.6	20.5	16.3	14.0	15.2	13.5	12.4	13.1	15.1	14.3	14.7
22	21.8	20.5	21.1	---	---	---	14.8	13.5	13.9	15.3	15.1	15.2
23	21.5	20.7	21.1	---	---	---	14.5	14.1	14.2	15.2	14.6	15.0
24	22.8	21.0	21.8	---	---	---	15.7	14.1	14.8	14.6	13.6	14.1
25	23.3	22.2	22.7	16.3	15.3	15.8	15.3	14.5	14.9	14.0	12.7	13.5
26	23.3	21.4	23.0	17.3	15.6	16.4	14.7	13.8	14.4	13.6	13.3	13.4
27	21.4	18.6	19.9	17.6	16.5	17.0	13.8	11.9	12.8	13.3	12.0	12.6
28	18.6	17.3	17.8	18.1	17.0	17.5	11.9	11.0	11.5	13.1	11.5	12.1
29	17.3	16.8	17.0	18.5	18.1	18.4	11.1	9.4	10.4	13.8	11.9	12.8
30	18.1	16.7	17.3	18.6	17.3	18.1	10.5	8.8	9.6	14.3	12.7	13.5
31	19.2	18.0	18.4	---	---	---	10.9	9.3	10.1	14.0	13.2	13.6
MONTH	28.3	16.7	22.7	20.8	12.0	16.2	18.0	8.8	13.4	16.5	9.6	14.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.2	13.3	13.7	17.4	16.3	16.9	22.6	21.6	22.1	23.2	21.0	22.0
2	14.1	13.7	14.0	16.5	15.1	15.8	22.9	21.7	22.3	24.2	21.9	23.1
3	13.9	13.0	13.5	15.3	13.9	14.7	24.0	22.6	23.2	25.2	23.3	24.3
4	13.2	11.9	12.6	15.5	13.9	14.8	23.5	21.4	22.5	25.5	24.2	24.8
5	12.2	11.2	11.7	15.6	15.3	15.4	22.0	20.3	21.1	26.2	24.6	25.3
6	11.9	10.8	11.2	16.5	15.6	16.0	22.1	20.3	21.1	26.1	24.8	25.5
7	11.4	10.1	10.8	16.6	16.2	16.4	21.9	20.9	21.4	26.6	25.4	25.9
8	12.1	10.5	11.3	17.6	16.3	17.1	22.9	21.6	22.2	28.1	25.8	26.6
9	12.1	11.6	12.0	16.3	13.6	14.6	22.9	21.5	22.2	28.0	26.7	27.3
10	13.7	12.0	12.9	14.3	12.1	13.1	21.5	19.9	20.7	27.7	26.1	26.7
11	15.3	13.4	14.3	12.5	10.8	11.6	20.9	19.1	20.0	26.7	25.2	25.9
12	15.3	14.0	14.6	11.5	10.0	10.9	21.6	19.4	20.5	27.2	25.7	26.3
13	15.8	14.3	15.1	12.1	10.1	11.2	21.1	19.8	20.5	27.9	25.8	26.7
14	15.5	14.6	15.1	13.7	11.5	12.6	22.5	20.5	21.5	27.9	26.0	26.9
15	14.6	14.1	14.3	15.3	13.0	14.2	22.9	21.8	22.3	27.9	26.4	27.1
16	14.9	14.4	14.6	15.7	14.5	15.2	23.5	22.2	22.9	27.7	26.3	27.1
17	15.8	14.3	14.9	16.5	15.7	16.2	24.1	23.4	23.7	28.4	26.8	27.5
18	15.6	13.8	14.7	16.8	16.4	16.6	24.7	23.5	24.0	29.2	27.4	28.2
19	15.0	14.5	14.7	18.1	16.7	17.3	23.5	22.4	23.0	30.0	28.0	28.9
20	15.5	14.1	14.7	17.6	15.6	16.7	22.6	21.3	21.9	30.7	28.6	29.4
21	16.0	14.6	15.3	15.7	14.3	15.1	23.3	21.4	22.2	30.2	28.4	29.2
22	16.2	15.1	15.6	15.8	14.0	15.0	22.2	20.8	21.5	29.5	27.9	28.7
23	15.5	14.2	15.0	16.6	14.6	15.6	21.5	19.8	20.7	29.1	27.7	28.3
24	16.3	14.6	15.5	17.6	15.8	16.8	23.1	20.5	21.3	29.4	27.7	28.5
25	16.9	15.3	16.1	18.8	17.1	18.0	22.6	20.8	21.6	29.7	28.1	28.7
26	17.3	16.5	16.8	20.3	18.2	19.3	22.6	20.9	21.7	29.8	28.1	28.8
27	17.6	16.5	17.0	21.0	19.2	20.1	23.5	21.6	22.5	29.8	28.6	29.1
28	18.2	16.7	17.4	22.2	20.2	21.3	22.9	20.9	22.1	30.2	28.6	29.4
29	---	---	---	22.7	21.3	22.1	20.9	20.4	20.6	29.6	28.9	29.2
30	---	---	---	23.3	21.8	22.5	21.9	20.2	20.9	30.6	29.0	29.6
31	---	---	---	23.3	22.3	22.8	---	---	---	30.8	29.0	29.9
MONTH	18.2	10.1	14.3	23.3	10.0	16.3	24.7	19.1	21.8	30.8	21.0	27.3

MISSISSIPPI RIVER DELTA

07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.4	28.9	30.1	32.2	29.5	30.6	32.0	30.5	31.0	31.2	28.5	30.0
2	31.4	29.4	30.4	31.2	30.0	30.5	31.6	30.1	30.8	28.5	27.1	27.8
3	31.4	29.4	30.4	31.3	29.6	30.5	30.5	28.8	29.7	28.5	26.8	27.4
4	30.9	29.4	30.1	32.1	30.3	31.0	30.3	28.7	29.4	29.5	27.8	28.4
5	31.1	29.3	30.1	32.6	30.5	31.3	29.9	29.1	29.5	29.0	28.1	28.6
6	30.3	27.8	28.6	32.4	29.4	30.9	30.8	29.0	29.9	28.4	27.7	28.1
7	27.8	26.6	27.2	32.4	30.6	31.5	31.4	29.7	30.5	27.9	27.3	27.5
8	27.8	26.0	26.9	33.1	31.4	31.9	32.4	30.5	31.3	27.5	26.8	27.2
9	29.4	27.1	28.2	33.1	30.8	31.7	32.3	31.0	31.7	27.4	26.9	27.1
10	30.6	28.4	29.2	32.2	30.4	31.2	32.7	30.7	31.6	26.9	26.3	26.5
11	30.9	28.6	29.8	31.5	30.4	30.9	32.9	30.8	31.7	26.3	25.7	26.1
12	31.2	29.2	30.1	32.0	30.0	30.9	32.5	31.6	32.0	25.7	25.2	25.3
13	31.5	29.3	30.2	32.1	30.4	31.1	32.5	31.0	31.6	26.3	25.1	25.6
14	30.8	29.3	30.0	31.0	30.3	30.6	31.2	29.9	30.7	26.6	25.8	26.2
15	30.2	28.4	29.3	31.3	29.9	30.5	30.6	29.6	29.9	27.7	26.2	26.8
16	30.9	28.5	29.7	30.8	29.3	30.2	30.9	29.2	30.0	28.0	27.1	27.5
17	31.6	29.5	30.5	30.8	28.8	29.8	30.6	29.4	30.1	27.4	27.0	27.2
18	32.3	30.3	31.2	31.2	29.1	30.1	30.9	30.2	30.6	28.3	26.8	27.5
19	32.7	30.5	31.5	31.8	30.1	30.7	31.8	30.2	30.9	27.7	27.4	27.5
20	32.7	30.9	31.7	32.1	30.5	31.2	31.0	29.9	30.6	28.4	27.1	27.7
21	32.3	31.0	31.6	31.7	30.3	31.1	29.9	28.2	29.1	28.2	27.8	28.0
22	32.5	30.9	31.6	31.8	30.3	30.7	29.7	27.9	28.8	29.5	27.7	28.3
23	33.0	31.1	31.9	31.2	29.9	30.6	30.6	28.7	29.6	29.7	28.4	29.0
24	33.0	31.3	32.0	31.1	30.0	30.5	31.4	29.5	30.4	29.2	28.2	28.8
25	31.8	29.4	30.8	32.5	30.1	30.9	32.1	30.6	31.2	28.5	27.8	28.1
26	29.4	27.9	28.7	31.4	29.7	30.4	32.7	30.7	31.6	28.5	27.4	27.9
27	28.1	27.3	27.7	30.6	29.7	30.1	32.5	31.2	31.7	---	---	---
28	29.3	27.0	28.0	32.0	29.5	30.4	32.6	31.3	31.9	---	---	---
29	31.9	28.3	29.7	32.3	30.1	30.9	33.4	31.3	32.1	---	---	---
30	31.4	29.0	30.2	32.6	30.8	31.5	32.7	31.9	32.3	---	---	---
31	---	---	---	31.7	30.8	31.2	32.2	31.2	31.8	---	---	---
MONTH	33.0	26.0	29.9	33.1	28.8	30.8	33.4	27.9	30.8	31.2	25.1	27.5

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA

LOCATION.--Lat 29°35'04", long 89°36'23", Plaquemines Parish, Hydrologic Unit 08090203, on a three-pile platform 13.0 mi east southeast of Point-A-La-Hache.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to May 2, 1996, datum of gage was 8.1 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide. Satellite telemetry with raingage, wind speed and direction at station. Extreme for maximum may have been higher during periods of no record caused by Hurricane Georges, Sept. 28.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 8.80 ft, Sept. 27, 1998; minimum recorded, -2.64 ft, Mar. 19, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 8.80 ft, Sept. 27; minimum, -2.16 ft, Dec. 29.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.00	.10	.46	1.95	.69	1.24	1.54	-.11	.74	1.33	-.14	.62
2	1.87	.75	1.31	1.90	.17	.81	1.81	.23	1.04	1.65	-.02	.86
3	1.59	.42	.97	.98	-.82	-.06	1.98	.20	1.09	1.65	.68	1.20
4	2.30	.77	1.44	1.12	-.52	.30	1.90	-.30	.68	1.89	1.10	1.47
5	2.31	.98	1.58	1.42	-.01	.72	1.16	-.17	.48	1.97	1.57	1.78
6	2.63	1.14	1.88	1.40	-.36	.43	.88	-.20	.33	2.09	1.04	1.67
7	2.73	1.47	2.11	.91	-.29	.33	1.16	.31	.65	2.44	1.48	1.95
8	2.90	1.34	2.18	.91	-.17	.38	1.76	.93	1.30	1.48	-.63	-.06
9	2.85	1.66	2.30	.95	.17	.61	1.82	.62	1.18	1.25	-.92	.00
10	3.01	1.91	2.50	1.04	.67	.82	1.72	.30	.95	1.47	-.50	.48
11	2.76	2.15	2.49	1.59	.73	1.15	1.85	.54	1.14	1.63	-.27	.65
12	2.95	1.86	2.51	2.36	1.37	1.81	1.85	.36	1.03	1.65	-.03	.86
13	2.73	1.41	2.22	2.23	1.08	1.71	1.74	-.14	.66	2.18	.17	1.10
14	2.51	1.58	2.06	1.89	-.20	.81	1.20	-.68	.01	2.47	.35	1.37
15	2.52	1.81	2.22	1.77	-.02	.85	.88	-.82	.08	1.90	.30	1.20
16	2.12	1.22	1.76	1.58	.06	.69	.97	-.98	-.02	.43	-.66	-.15
17	2.09	.98	1.60	1.76	.35	.98	.95	-.76	.14	.48	-.52	.08
18	2.05	.36	1.17	1.76	-.07	.76	1.04	-.42	.37	.78	.23	.51
19	1.79	.16	.97	2.20	.62	1.28	1.01	-.27	.44	1.35	.16	.68
20	1.38	.00	.71	1.79	.58	1.17	1.49	.11	.71	1.78	1.03	1.35
21	1.48	.04	.76	1.40	.45	.94	1.54	1.03	1.25	2.16	.98	1.56
22	1.37	.39	.87	1.39	.39	.93	1.54	.88	1.19	2.38	1.36	1.83
23	1.78	.95	1.39	1.56	.58	1.07	2.02	1.01	1.49	1.93	.64	1.29
24	1.86	.34	1.20	1.47	1.11	1.25	1.84	.88	1.26	1.75	.21	.96
25	2.08	1.29	1.76	1.24	.33	.79	1.70	.16	1.01	1.87	.46	.96
26	1.89	.95	1.41	1.24	.23	.71	2.30	1.04	1.62	2.27	.61	1.47
27	1.57	1.03	1.26	1.93	.18	.98	2.30	-.39	.69	2.10	-.53	.59
28	1.58	.91	1.23	2.68	.43	1.34	1.49	-.10	.71	1.59	-.30	.54
29	1.18	.60	.88	2.75	.77	1.66	.93	-2.16	-1.01	1.17	-.45	.50
30	1.82	.45	1.08	2.15	-.48	.64	.05	-1.24	-.65	1.25	-.16	.66
31	1.90	.86	1.43	---	---	---	.84	-1.20	-.42	1.70	1.09	1.41
MONTH	3.01	.00	1.54	2.75	-.82	.90	2.30	-2.16	.65	2.47	-.92	.95

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.45	1.46	1.78	1.30	.28	.85	2.79	.49	1.75	2.02	.67	1.35
2	4.04	2.45	3.56	.53	-.93	.21	2.08	.95	1.55	1.18	-.01	.64
3	3.41	.78	1.79	1.30	-1.15	.26	1.28	.36	.88	.94	.09	.54
4	.78	-.40	.12	1.52	.00	.80	1.74	-.30	.82	1.56	-.03	.80
5	1.06	-.36	.38	1.80	.23	1.08	1.73	1.06	1.33	1.62	.79	1.21
6	1.20	.04	.68	2.47	.61	1.45	1.67	.31	1.08	1.44	1.04	1.23
7	1.00	-.27	.39	3.73	1.51	2.46	1.67	.73	1.26	1.49	.38	1.00
8	.91	-.43	.31	3.58	.41	1.77	1.57	.98	1.28	1.52	.41	.90
9	1.66	-.54	.51	1.25	-1.05	.02	1.17	.11	.58	1.98	.42	1.40
10	2.53	.20	1.10	1.29	.17	.46	.91	-.17	.40	1.28	.08	.69
11	2.53	-.44	.65	.77	.40	.58	1.37	-.01	.80	2.00	.03	1.19
12	1.22	.09	.75	.88	.51	.71	1.23	-.01	.62	1.78	.03	1.09
13	1.28	.32	.86	.92	.30	.63	1.97	.41	1.26	1.79	.38	1.16
14	2.36	.94	1.52	.78	.26	.50	1.49	.31	1.05	1.86	.27	1.18
15	6.35	2.36	3.76	1.07	.45	.73	2.05	.31	1.34	1.97	.03	1.02
16	3.12	1.74	2.36	2.19	.54	1.50	2.13	.81	1.50	1.60	-.10	.80
17	2.42	-.72	.65	3.18	1.69	2.50	2.33	.50	1.56	1.96	-.18	.92
18	1.07	-.72	.29	2.61	1.60	2.14	2.26	.97	1.62	1.93	.06	1.14
19	1.43	.14	.77	2.47	1.27	1.99	2.21	1.36	1.74	1.85	.62	1.32
20	1.09	.01	.65	1.27	.12	.65	2.30	1.09	1.66	1.62	.67	1.13
21	1.86	-.19	.88	1.23	-.43	.50	1.63	.46	1.04	1.19	.34	.76
22	2.73	.27	1.37	1.54	.50	.97	.80	.15	.39	1.04	-.10	.55
23	1.03	-1.25	-.15	1.43	-.45	.54	.82	.23	.56	1.24	-.20	.65
24	1.00	-.55	.32	1.24	-.25	.57	.91	.21	.63	1.47	-.19	.76
25	2.34	-.27	.80	1.59	.10	.87	1.08	.26	.69	1.84	-.11	1.04
26	2.38	.72	1.47	1.60	.60	1.08	1.69	.31	1.13	2.18	-.01	1.24
27	1.74	.65	1.27	1.79	1.08	1.45	2.03	.31	1.33	2.33	.09	1.40
28	1.98	.85	1.47	1.86	1.09	1.46	4.66	.65	2.75	2.41	.55	1.53
29	---	---	---	1.92	1.12	1.60	5.11	1.09	2.87	2.01	.48	1.26
30	---	---	---	2.30	1.03	1.72	2.98	1.02	1.97	1.83	.22	1.08
31	---	---	---	2.26	.72	1.79	---	---	---	1.41	.15	.77
MONTH	6.35	-1.25	1.08	3.73	-1.15	1.09	5.11	-.30	1.25	2.41	-.20	1.02
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.01	.01	.50	.51	-.15	.21	.61	-.06	.37	3.00	1.23	1.93
2	.66	-.14	.22	.75	.05	.37	1.69	.55	1.26	5.67	2.55	4.32
3	.74	-.03	.31	1.03	-.12	.49	2.46	1.24	1.86	3.56	1.38	2.87
4	1.10	.15	.62	1.14	-.28	.50	2.16	.78	1.60	2.24	.95	1.74
5	1.25	.16	.69	.72	-.30	.29	2.05	.59	1.43	2.66	1.01	1.89
6	2.10	.13	1.10	1.22	-.38	.62	2.33	.61	1.49	2.69	1.02	1.82
7	2.31	.14	1.45	1.63	-.30	.75	2.41	.56	1.56	2.33	1.50	1.81
8	2.22	.61	1.61	1.37	-.72	.52	2.16	.42	1.40	2.07	1.49	1.72
9	1.93	.09	1.26	1.20	-.73	.32	1.80	.24	1.12	3.06	1.56	2.13
10	1.88	.07	1.09	1.03	-.79	.18	1.59	.21	.95	4.21	2.96	3.54
11	1.74	-.22	.88	1.27	-.54	.41	1.22	.31	.79	4.33	3.04	3.65
12	1.58	-.34	.69	1.17	-.64	.30	.99	.38	.68	3.62	2.01	2.92
13	1.20	-.59	.35	.98	-.44	.37	1.13	.29	.67	3.39	1.51	2.52
14	.79	-.77	.08	1.03	-.01	.50	1.29	-.31	.55	3.30	1.85	2.60
15	.80	-.62	.17	.82	.18	.46	1.25	-.24	.64	3.05	1.82	2.51
16	1.18	-.09	.66	.53	-.01	.23	1.54	.07	.80	3.51	2.27	3.00
17	1.23	.35	.84	.81	-.27	.30	1.43	-.12	.76	4.00	2.33	3.29
18	1.16	.35	.73	1.36	-.07	.62	1.60	.11	.95	3.00	1.90	2.59
19	1.04	-.18	.58	1.37	-.32	.66	1.79	.36	1.19	3.02	2.04	2.68
20	1.23	-.38	.50	1.50	-.06	.78	2.57	.58	1.83	2.97	1.16	2.09
21	1.58	-.28	.77	1.57	.03	.85	3.62	1.67	2.55	1.75	.97	1.47
22	1.60	-.26	.80	1.60	-.10	.89	2.91	1.50	2.27	1.41	.79	1.11
23	1.67	-.26	.80	1.74	-.12	.86	2.09	1.24	1.76	1.69	1.29	1.53
24	1.78	-.32	.84	1.30	-.15	.69	1.87	1.02	1.57	2.42	1.66	2.11
25	2.45	-.22	1.03	1.42	-.10	.80	1.67	1.02	1.33	2.76	2.22	2.47
26	1.72	-.06	.82	1.18	-.19	.65	1.28	.70	1.04	3.85	2.08	2.63
27	1.73	.07	.84	.93	.12	.61	1.24	.78	1.03	---	---	---
28	1.68	-.01	.83	.84	.10	.57	1.30	.66	.99	---	---	---
29	.99	-.14	.51	.76	.10	.49	1.59	.79	1.18	---	---	---
30	.74	-.16	.38	.65	-.12	.31	1.81	.68	1.31	---	---	---
31	---	---	---	.76	.16	.40	2.00	.85	1.48	---	---	---
MONTH	2.45	-.77	.73	1.74	-.79	.52	3.62	-.31	1.24	---	---	---

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1992 to current year.

WATER TEMPERATURES: January 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--Records fair. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record caused by Hurricane Georges Sep. 28.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 42,200 microsiemens, Aug. 4, 1998; minimum daily, 1,300 microsiemens, Feb. 3, 1994.

WATER TEMPERATURES: Maximum daily, 34.2 °C, Aug. 16, 1995; minimum daily, 2.5 °C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 42,200 microsiemens, Aug. 4; minimum daily, 2,850 microsiemens, Mar. 31.

WATER TEMPERATURE: Maximum daily, 33.4 °C, July 8, Aug. 29; minimum daily, 6.9 °C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25300	21200	23200	29100	23000	25900	22900	17600	20700	22500	18900	20900
2	26900	22300	24800	27800	21400	24700	22300	18400	20300	23800	20300	21600
3	26600	22500	24400	24800	17900	21300	22800	18500	20500	24900	21300	22700
4	27900	24300	25600	24500	19900	22200	22600	16200	19200	24300	22300	23200
5	28400	24700	26600	25800	21200	23700	19600	15600	18300	25700	22400	23900
6	28400	25100	26600	25600	20500	23100	18800	15600	17500	23500	19800	21800
7	31000	24900	27800	24100	20800	22200	19500	16800	17800	22900	17200	19900
8	31100	27000	28900	24400	21000	22500	23100	17800	19900	17400	11800	14200
9	31000	27300	29200	25800	22300	24000	24800	16400	21100	16800	9510	12200
10	31800	27100	29400	27200	24100	25800	22300	17800	20400	16700	11100	13800
11	31600	28200	29800	29400	25500	27700	24000	18400	20600	16500	13000	14400
12	31200	27900	29700	33000	28400	31100	26000	18700	21200	16900	13400	15000
13	31300	28300	29700	32300	28200	30300	25700	16700	20500	17100	12800	14700
14	30400	27000	28500	29600	22700	26200	21600	14500	17100	18000	13200	15100
15	29900	27000	28400	28200	22500	25500	19900	15700	17700	15000	9690	13300
16	29000	26900	27800	26800	22200	24000	21900	14800	17800	9690	6490	8100
17	29500	25100	27300	28800	22500	25500	20900	14900	18500	9060	6320	7880
18	28000	23100	26000	27900	22900	25000	23200	18200	20800	9620	7580	8360
19	27500	23000	25400	29800	24200	26100	23000	18200	20800	9620	6810	7790
20	25700	20800	23400	27200	24100	25400	22700	20300	21400	10700	8770	9630
21	25500	20900	23400	25500	21300	23600	24300	21800	23100	11900	10100	10900
22	25700	22400	23800	28100	22600	25800	27200	20600	24500	13600	11400	12000
23	27400	23800	25000	27100	24000	25400	26500	23400	24800	12800	10100	11000
24	29600	22800	25700	26500	23200	25300	25800	21300	23800	12300	7950	9940
25	30100	24500	26700	26900	23300	24800	24800	20100	23100	10200	8590	9320
26	26400	23200	24700	25700	21900	24300	26200	23000	24600	11800	9090	10200
27	26000	21600	24100	27900	22300	24700	27000	18700	22400	11700	5720	8540
28	25700	23100	24500	28800	24200	26400	24600	21100	22300	9000	5660	7630
29	26000	23200	24300	29600	24300	26600	22400	11700	15500	7820	4730	6610
30	25800	23200	24500	25900	18900	22100	17100	12600	15100	7960	5050	6770
31	28300	23900	25800	---	---	---	20000	14300	16000	10900	6950	9140
MONTH	31800	20800	26300	33000	17900	25000	27200	11700	20200	25700	4730	13200

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CMAT}$ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	13200	10800	11500	7040	5300	6230	7200	4620	5950	8250	6380	7420
2	18700	12900	17000	6170	3410	4760	6460	4700	5370	7100	5200	6180
3	18200	9320	13900	6180	2930	4360	6910	5220	5850	6690	5130	5850
4	9320	5940	6990	6260	4890	5570	6600	4420	5530	6330	4820	5720
5	7760	4000	5970	6370	5150	5800	6730	5400	6200	6490	5400	5930
6	7760	5370	6400	6620	5740	6110	6650	5220	6120	6660	4820	6020
7	7210	3960	5290	6710	5990	6380	7370	5400	6320	6570	4260	5460
8	6000	3120	4790	7030	5020	6210	6550	5460	6160	5670	4420	5090
9	8910	3160	5380	5380	4090	4720	6740	4920	5690	8360	4590	6420
10	11900	5400	7790	5170	3620	4370	6530	4550	5510	8590	4040	5820
11	12300	4580	7560	4810	3530	4120	6580	4980	5830	11600	5550	8400
12	7480	5190	6360	4530	3640	4060	6680	4480	5770	11700	7810	9310
13	8360	6070	6980	4310	3700	4060	8160	5460	6410	14300	9560	10800
14	10900	6350	7540	4360	3570	3980	7730	5330	6500	17500	12000	13800
15	15000	10600	12700	5020	3780	4290	7690	5660	6430	16000	12000	13300
16	13600	12700	13300	8700	4070	5990	7710	5010	6000	15400	10900	12600
17	13100	6180	9610	9920	7400	8750	6920	4850	6090	16800	8350	12500
18	7820	5800	6800	9050	8040	8560	5870	4850	5430	15800	11900	13600
19	7610	5590	6820	9270	7550	8380	6760	4900	5840	19600	12600	15400
20	7580	5120	6590	7550	5030	6170	7120	5180	6450	18200	13500	15300
21	6900	4760	6050	6300	3230	4420	7390	4950	6430	16200	13700	15000
22	9240	5640	7440	5540	4530	5090	7910	5610	6190	17100	11000	14200
23	5940	3710	4750	5620	3790	4830	7240	5080	6210	17100	13500	15400
24	5670	4170	5000	5620	4500	4940	7390	5560	6390	17700	13900	15900
25	7290	4910	5650	6530	4000	5260	7090	4880	6000	21000	14800	18200
26	8110	6550	7310	7310	5470	6560	7070	5370	6030	24900	16500	20500
27	7400	5770	6540	8560	6620	7580	7620	5390	6500	25400	19400	22200
28	7800	6310	6790	8840	6210	7350	13100	6070	8300	30600	19900	24600
29	---	---	---	7410	5860	6800	12800	7640	9830	29800	23300	26600
30	---	---	---	7180	3970	5790	10800	7640	8760	29300	21700	25000
31	---	---	---	6660	2850	4510	---	---	---	24100	20300	22200
MONTH	18700	3120	7810	9920	2850	5680	13100	4420	6340	30600	4040	13100
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	21300	16500	18600	30100	19200	23600	26400	10500	21500	28100	21500	24200
2	18600	14800	16600	28500	19900	24600	33700	20700	28800	27200	15600	23200
3	23700	13200	17000	29400	21000	26100	39600	28900	33300	28400	14700	23300
4	34700	15900	27200	29400	18700	24500	42200	29200	35000	24700	19600	22300
5	38000	22600	32100	27400	18500	22000	38000	27400	33600	27500	17300	22600
6	37800	26800	34000	28500	20100	24600	40700	26100	34400	25300	19400	22300
7	38700	30900	35100	32000	21400	26500	41600	31900	35000	29400	16400	22600
8	36800	31500	34800	31900	21500	26700	40200	26700	34500	27500	12700	22400
9	35400	31800	33800	30200	19500	23600	37100	27200	32300	25800	18000	22300
10	35600	28600	32200	28100	19400	23200	38700	24100	31000	27300	15100	22600
11	34900	26200	30900	29700	19700	24200	32500	25400	29700	32200	15700	22300
12	33100	22100	28000	28800	18500	22800	29800	20600	26400	24200	13400	20000
13	32900	24900	29000	30400	21000	24600	29700	22500	26600	25500	14200	19800
14	28100	21000	25200	30300	24000	25900	30400	21700	26000	25000	13400	19000
15	28400	20300	23800	31200	20500	24400	35800	21600	25600	24000	13400	18000
16	28600	21900	25600	32400	18600	21800	28100	16500	23500	24000	14600	18300
17	32400	25800	28400	27900	18200	23100	28800	18300	23700	21600	12000	18100
18	29100	24100	27300	30300	19600	25800	29900	18300	25300	22300	15600	18700
19	30500	25400	28200	30200	22500	26700	32300	19000	26200	27000	13900	18600
20	33000	25500	27200	32600	22500	28200	36500	21300	28600	21100	14400	17300
21	32300	25300	28700	35500	24800	28800	32500	26500	30000	19200	9240	14500
22	34000	25700	29500	34100	24500	29200	35900	26700	30000	14500	9690	12600
23	32300	27300	29800	31200	23000	27900	34200	24100	29100	21900	8430	13600
24	36100	25700	31500	31400	22500	26900	33300	22800	28200	17100	12200	14200
25	33500	29900	31600	30800	22400	27200	33000	15800	26300	19700	15400	17100
26	35600	29400	31100	28700	20400	25300	27100	17900	24800	23200	14500	18200
27	33800	29200	31500	27200	20700	24700	28000	19700	24500	---	---	---
28	32500	28000	30300	28300	20500	24000	32000	18100	22900	---	---	---
29	31400	22500	27800	29500	19700	23600	30100	18800	23800	---	---	---
30	27100	20000	23500	28100	14300	20900	30500	19900	23800	---	---	---
31	---	---	---	24900	15700	19500	27200	20300	23600	---	---	---
MONTH	38700	13200	28300	35500	14300	24900	42200	10500	28000	32200	8430	19500

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	31.9	27.0	27.8	21.0	18.6	19.8	18.1	16.6	17.3	11.5	9.8	10.5
2	28.0	25.9	26.6	20.7	19.5	20.1	17.3	16.5	16.9	12.9	10.6	11.7
3	26.7	25.2	25.9	19.6	18.1	18.8	17.4	16.8	17.1	14.6	12.1	12.9
4	27.1	25.3	26.1	19.4	17.2	18.2	17.1	15.7	16.6	14.5	13.2	13.8
5	27.5	25.8	26.6	19.4	17.7	18.6	15.7	14.2	14.9	15.0	14.2	14.6
6	27.9	26.4	26.9	19.6	17.7	18.9	14.2	12.8	13.4	15.6	14.9	15.3
7	27.8	26.1	26.8	17.7	14.6	16.1	13.0	11.7	12.1	16.7	15.6	16.3
8	27.3	25.8	26.6	15.4	14.1	14.7	13.3	11.8	12.6	16.8	14.6	15.9
9	27.6	26.5	27.0	15.7	14.4	15.0	14.8	13.0	13.7	14.8	13.5	14.1
10	26.9	26.2	26.6	15.5	15.0	15.3	15.9	14.8	15.4	14.9	13.3	14.2
11	26.7	25.7	26.2	15.4	15.0	15.2	15.6	12.3	13.8	15.6	13.9	14.7
12	26.6	25.1	25.8	15.7	15.3	15.5	12.3	9.9	10.8	16.2	15.1	15.6
13	26.5	25.8	26.1	16.5	15.6	15.9	10.2	8.7	9.4	16.5	16.1	16.3
14	25.9	21.2	23.3	16.7	15.9	16.3	8.9	7.2	8.0	16.4	16.2	16.3
15	21.2	19.4	20.1	16.6	15.4	16.0	8.9	6.9	7.8	16.7	15.8	16.2
16	19.8	18.5	19.2	15.8	13.3	14.4	9.9	7.7	8.8	15.8	13.4	14.5
17	19.7	18.2	19.0	13.4	11.8	12.5	10.8	8.8	9.8	15.8	13.6	14.6
18	19.8	18.3	19.0	13.2	11.8	12.5	12.3	10.2	11.1	16.0	14.8	15.4
19	20.2	18.2	19.2	13.1	12.8	13.0	13.6	11.5	12.3	16.2	15.2	15.8
20	21.1	18.9	20.0	14.7	13.0	13.7	13.5	12.4	13.0	15.2	13.8	14.5
21	22.2	19.7	20.8	16.6	14.4	15.4	14.6	13.1	13.8	15.6	14.3	14.9
22	22.2	20.8	21.4	17.2	16.4	16.8	14.8	14.1	14.5	15.4	15.3	15.4
23	21.8	20.9	21.3	17.2	16.2	16.7	14.8	14.4	14.6	15.3	14.9	15.1
24	23.0	21.4	22.1	16.2	15.4	15.8	16.0	14.5	15.3	14.9	13.6	14.1
25	23.8	22.5	23.1	16.8	15.3	15.9	15.5	14.7	15.1	14.3	12.7	13.5
26	23.8	21.8	23.4	17.1	15.7	16.3	15.4	13.8	14.6	13.5	13.2	13.3
27	21.8	17.8	19.8	17.9	16.5	17.2	13.9	11.8	12.8	13.2	12.0	12.7
28	18.4	17.1	17.5	18.5	17.4	17.9	12.3	10.8	11.6	13.1	11.5	12.2
29	17.4	16.7	16.8	19.1	18.4	18.8	11.3	9.2	10.3	13.8	12.1	13.0
30	18.0	16.4	17.2	19.0	17.6	18.4	11.0	8.7	9.7	14.5	12.9	13.7
31	19.3	17.8	18.4	---	---	---	11.2	9.5	10.3	14.5	13.3	13.9
MONTH	31.9	16.4	22.8	21.0	11.8	16.3	18.1	6.9	12.8	16.8	9.8	14.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.5	13.4	13.9	17.8	16.7	17.1	22.6	21.2	21.9	22.9	21.3	22.1
2	14.4	13.9	14.2	16.7	15.2	15.9	22.8	21.5	22.0	24.4	22.3	23.2
3	13.9	13.2	13.6	15.5	13.4	14.6	23.9	22.4	23.1	25.0	23.1	24.0
4	13.2	12.0	12.7	15.6	13.9	14.8	23.5	21.6	22.4	25.7	24.0	24.6
5	12.4	11.4	11.9	15.6	15.1	15.4	22.0	19.6	20.6	26.2	24.4	25.3
6	12.0	10.6	11.2	16.6	15.5	16.1	21.9	20.0	20.9	26.0	24.8	25.4
7	11.9	10.2	10.9	16.9	16.4	16.6	21.7	20.7	21.2	26.8	25.5	26.0
8	12.3	10.8	11.5	17.8	16.6	17.3	22.7	21.4	22.1	27.7	25.7	26.4
9	12.3	11.8	12.1	16.6	13.2	14.4	23.0	21.7	22.4	27.4	26.0	26.7
10	14.1	12.0	13.0	13.3	12.0	12.7	22.1	19.7	20.8	27.7	26.3	26.9
11	15.6	13.8	14.6	12.3	10.4	11.3	20.7	17.9	19.4	27.1	25.3	25.9
12	15.8	14.3	14.9	11.2	9.3	10.3	21.3	19.1	20.0	27.5	25.9	26.4
13	16.5	14.9	15.7	12.1	10.0	10.9	21.0	19.1	20.2	27.6	25.9	26.5
14	16.3	14.8	15.5	13.7	11.3	12.4	22.3	20.4	21.2	27.7	25.9	26.5
15	14.9	14.3	14.6	15.2	13.0	14.0	22.7	21.6	22.2	28.1	26.5	27.1
16	15.1	14.6	14.8	16.5	14.4	15.5	23.8	22.1	22.9	27.9	26.8	27.3
17	15.6	14.3	15.0	16.8	16.3	16.6	24.3	23.4	23.7	28.5	26.6	27.5
18	15.7	13.8	14.7	16.9	16.6	16.8	24.7	23.6	24.1	28.8	27.6	28.1
19	15.1	14.6	14.8	18.3	16.8	17.2	23.9	22.3	22.9	29.2	28.0	28.6
20	15.1	14.1	14.5	17.9	15.7	16.9	22.4	20.5	21.5	30.6	28.5	29.4
21	16.4	14.5	15.4	15.9	14.3	15.2	22.9	20.9	21.7	30.0	28.6	29.4
22	16.3	15.4	15.8	15.9	13.7	14.8	22.0	20.7	21.3	29.6	27.7	28.8
23	15.9	13.8	15.0	17.0	14.6	15.5	21.3	19.9	20.6	29.0	27.6	28.3
24	17.0	14.6	15.7	18.4	15.8	16.9	22.5	20.2	21.0	29.4	27.6	28.4
25	18.3	15.7	16.6	20.1	17.3	18.4	22.2	20.6	21.5	29.2	27.6	28.2
26	17.5	16.6	17.0	20.6	18.5	19.5	22.2	20.4	21.4	29.4	27.8	28.3
27	18.2	16.6	17.3	21.4	19.4	20.4	23.0	21.4	22.1	29.4	28.2	28.6
28	18.5	16.9	17.6	22.3	20.3	21.3	22.8	20.9	22.0	29.8	28.3	28.9
29	---	---	---	22.9	21.4	22.1	20.9	20.2	20.5	29.7	28.7	29.0
30	---	---	---	23.2	21.8	22.5	22.1	20.1	20.8	30.3	28.4	29.1
31	---	---	---	23.0	22.1	22.6	---	---	---	30.8	29.1	29.8
MONTH	18.5	10.2	14.4	23.2	9.3	16.3	24.7	17.9	21.6	30.8	21.3	27.1

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	31.3	29.0	30.0	32.2	29.6	30.7	32.3	30.2	31.2	31.0	27.7	29.6
2	31.0	29.2	30.3	31.6	29.7	30.4	31.7	30.3	30.9	27.8	27.0	27.4
3	31.3	29.4	30.3	31.5	29.1	30.2	30.5	29.2	29.8	28.3	26.7	27.3
4	30.8	29.2	30.0	32.7	30.3	31.1	30.3	28.8	29.3	29.5	27.7	28.4
5	30.7	28.9	29.8	32.5	30.5	31.3	29.8	29.1	29.4	29.1	28.0	28.4
6	30.3	27.8	28.7	32.5	30.3	31.2	30.7	28.9	29.6	28.5	27.7	28.1
7	28.0	26.5	27.0	32.8	30.5	31.5	31.6	29.4	30.2	27.7	27.2	27.5
8	27.3	25.5	26.1	33.4	31.4	32.0	32.4	30.4	31.1	27.4	26.7	27.1
9	29.2	26.6	27.6	32.8	30.8	31.6	32.4	30.9	31.5	27.2	26.6	27.0
10	30.4	28.2	28.9	32.1	30.3	31.2	32.4	30.7	31.4	26.7	26.1	26.3
11	30.1	28.7	29.5	31.1	29.8	30.5	32.5	30.8	31.6	26.2	25.5	25.9
12	30.7	28.9	29.7	31.4	29.5	30.4	32.4	31.1	31.7	25.6	25.2	25.3
13	31.2	29.2	30.0	31.7	30.1	30.8	32.4	30.6	31.3	26.2	25.1	25.5
14	30.6	29.0	29.9	30.8	29.8	30.2	31.1	29.9	30.5	26.9	25.8	26.3
15	29.8	28.4	29.2	31.1	29.4	30.1	30.3	29.5	29.8	27.9	26.2	26.8
16	30.3	28.6	29.4	30.4	29.2	29.7	30.5	29.0	29.8	28.2	26.9	27.5
17	31.6	28.9	30.1	30.4	29.1	29.6	31.0	29.1	29.9	27.6	26.8	27.0
18	32.2	30.3	31.1	30.5	29.0	29.6	30.8	29.9	30.3	28.1	26.7	27.2
19	33.1	30.6	31.6	31.7	29.7	30.4	31.2	29.8	30.4	27.6	27.2	27.4
20	32.8	31.0	31.8	32.3	30.3	31.1	31.1	29.7	30.3	28.3	27.1	27.6
21	32.6	30.9	31.5	31.4	30.3	30.9	29.8	28.1	28.7	28.2	27.6	27.9
22	32.4	30.5	31.3	---	---	---	29.4	27.4	28.4	29.7	27.7	28.3
23	32.6	30.7	31.4	---	---	---	30.4	28.2	29.2	29.8	28.3	29.1
24	32.5	31.0	31.6	---	---	---	31.6	29.5	30.3	29.6	28.4	29.0
25	31.8	29.7	30.7	---	---	---	32.2	30.1	31.1	28.8	27.7	28.2
26	29.7	27.9	28.4	---	---	---	32.1	30.5	31.2	28.6	27.4	27.8
27	27.9	27.0	27.4	---	---	---	32.7	30.8	31.6	---	---	---
28	29.2	26.8	27.7	---	---	---	33.0	31.2	32.0	---	---	---
29	30.7	28.0	29.1	---	---	---	33.4	31.3	32.1	---	---	---
30	32.3	28.9	30.3	32.5	30.2	31.0	32.6	31.6	32.1	---	---	---
31	---	---	---	32.5	30.1	31.1	32.0	30.9	31.4	---	---	---
MONTH	33.1	25.5	29.7	---	---	---	33.4	27.4	30.6	31.0	25.1	27.5

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA

LOCATION.-- Lat. 29°31'28" long 89°33'43", Plaquemines Parish, Hydrologic Unit 08090203, on a three-pile structure 17.0 mi southeast of Pointe-a-la-Hache.

DRAINAGE AREA.-- Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.-- Feb. 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 9.37 ft (revised) below sea level (levels determined by Global Positioning System). Prior to Oct. 1, 1995, datum of gage was 9.23 ft below sea level (levels determined by GPS). Prior to Oct. 1, 1994, published wrong datum.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station. Extremes for maximums for period of record and current year occurred during period of missing record as a result of Hurricane Georges, Sept. 28, 1998.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.39 ft, Oct. 4, 1996; minimum, -2.63 ft, revised, Mar. 13, 1993.

REVISIONS.--Minimum gage height has been revised to reflect the datum used prior to Oct. 1, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 6.00 ft, Feb. 15 ; minimum recorded, -2.50 ft, Dec. 29.

GAGE HEIGHT, IN FEET BELOW DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.21	.22	.51	2.17	.65	1.23	1.48	-.28	.61	1.02	-.68	.13
2	1.91	.76	1.32	1.78	.18	.79	1.76	-.01	.86	1.12	-.58	.31
3	1.62	.43	.97	1.03	-.82	-.06	1.77	-.06	.87	1.06	.12	.64
4	2.26	.77	1.42	1.28	-.53	.33	1.82	-.46	.52	1.27	.54	.90
5	2.26	.93	1.53	1.39	-.05	.68	1.05	-.32	.33	1.39	.95	1.16
6	2.61	1.11	1.84	1.36	-.33	.44	.76	-.36	.15	1.48	.48	1.06
7	2.68	1.41	2.02	1.05	-.17	.41	.92	.09	.47	1.61	.71	1.24
8	2.82	1.31	2.10	.98	-.07	.43	1.37	.75	1.04	---	---	---
9	2.84	1.54	2.25	.96	.17	.62	1.53	.39	.95	1.18	.09	.45
10	2.97	1.85	2.45	1.10	.65	.82	1.25	.13	.72	1.39	-.62	.42
11	2.70	2.07	2.44	1.59	.73	1.17	1.77	.41	1.02	1.54	-.40	.56
12	2.87	1.83	2.44	2.35	1.27	1.81	1.56	.20	.85	1.64	-.29	.71
13	2.66	1.41	2.17	2.09	1.07	1.66	1.54	-.34	.42	2.20	.07	1.08
14	2.74	1.76	2.28	1.82	-.24	.77	.93	-1.02	-.21	2.20	.19	1.15
15	2.70	1.93	2.35	1.82	-.06	.83	.65	-1.16	-.19	1.76	.06	1.02
16	2.27	1.33	1.86	1.75	.06	.76	.65	-1.26	-.35	.39	-.62	-.12
17	2.22	1.07	1.67	1.83	.27	.93	.69	-1.07	-.17	.39	-.56	.00
18	2.17	.42	1.24	2.00	-.13	.75	.69	-.77	.01	.67	.18	.44
19	1.87	.25	1.02	2.21	.61	1.25	.66	-.62	.07	1.32	.22	.76
20	1.46	.02	.76	1.75	.56	1.10	1.08	-.25	.35	1.66	.95	1.28
21	1.55	.05	.81	1.37	.33	.88	1.09	.61	.82	2.04	.94	1.45
22	1.46	.55	.98	1.34	.41	.93	1.13	.51	.81	2.31	1.24	1.69
23	1.80	.96	1.44	1.60	.61	1.09	1.58	.61	1.10	1.95	.65	1.27
24	1.93	.36	1.24	1.44	.87	1.17	1.28	.48	.83	1.48	.22	.90
25	2.14	1.33	1.79	1.14	.24	.70	1.25	-.24	.60	1.74	.35	.91
26	1.94	1.10	1.53	1.12	.17	.63	2.10	.62	1.25	1.64	.47	.87
27	1.73	1.21	1.48	1.78	.11	.90	1.63	-.75	.29	---	---	---
28	1.67	1.04	1.32	2.56	.29	1.25	1.02	-.62	.19	---	---	---
29	1.33	.61	1.00	2.54	.60	1.41	.15	-2.50	-1.55	---	---	---
30	1.82	.58	1.14	2.01	-.67	.47	-.36	-1.70	-1.05	---	---	---
31	1.89	.87	1.41	---	---	---	.75	-1.81	-.79	1.60	1.10	1.35
MONTH	2.97	.02	1.57	2.56	-.82	.87	2.10	-2.50	.35	---	---	---

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX FEBRUARY	MIN FEBRUARY	MEAN FEBRUARY	MAX MARCH	MIN MARCH	MEAN MARCH	MAX APRIL	MIN APRIL	MEAN APRIL	MAX MAY	MIN MAY	MEAN MAY
1	2.54	1.33	1.75	1.26	.30	.88	2.78	.48	1.80	---	---	---
2	4.00	2.54	3.62	.55	-1.10	.16	2.02	.70	1.45	---	---	---
3	3.31	.53	1.82	1.27	-1.10	.39	1.32	.11	.83	---	---	---
4	.59	-.25	.21	1.42	-.05	.76	1.77	-.27	.96	---	---	---
5	1.06	-.34	.40	1.79	.21	1.06	1.68	1.03	1.35	---	---	---
6	1.21	.02	.69	2.44	.53	1.45	1.53	.40	1.06	---	---	---
7	.79	-.29	.35	3.58	1.34	2.39	1.46	.70	1.17	---	---	---
8	.85	-.45	.31	---	---	---	1.50	.95	1.24	1.43	.66	1.13
9	1.59	-.62	.51	---	---	---	1.20	.18	.60	1.83	.30	1.23
10	2.20	.15	1.05	---	---	---	1.01	-.04	.54	1.36	.10	.75
11	2.06	-.53	.51	---	---	---	1.37	.00	.83	1.96	.04	1.16
12	1.19	.10	.74	---	---	---	1.17	.08	.62	1.72	.17	1.07
13	1.24	.34	.81	---	---	---	1.88	.36	1.15	1.74	.30	1.07
14	2.39	.95	1.53	---	---	---	1.48	.30	1.01	1.86	.00	1.09
15	6.00	2.37	3.54	---	---	---	1.97	.33	1.30	1.87	-.11	.98
16	3.06	1.65	2.30	---	---	---	2.02	.60	1.42	1.57	-.11	.82
17	2.20	-.69	.42	---	---	---	2.33	.51	1.59	1.91	-.09	.97
18	1.02	-.55	.34	---	---	---	2.18	.88	1.63	1.89	.05	1.17
19	1.35	.11	.75	---	---	---	2.31	1.41	1.85	1.78	.63	1.30
20	1.02	-.02	.59	1.22	.14	.70	2.25	1.03	1.68	1.54	.69	1.10
21	1.72	-.24	.88	1.28	-.32	.64	1.66	.52	1.11	1.13	.39	.73
22	2.61	.13	1.19	1.48	.24	.93	.95	.24	.53	1.02	-.12	.52
23	1.04	-1.30	-.09	1.33	-.46	.53	.91	.39	.68	1.18	-.26	.59
24	.91	-.62	.25	1.16	-.31	.53	.98	.28	.67	1.36	-.29	.70
25	2.21	-.42	.77	1.49	-.01	.81	1.01	.16	.67	1.76	-.12	.95
26	2.16	.56	1.31	1.61	.44	.96	1.67	.25	1.08	2.10	.00	1.18
27	1.78	.63	1.28	1.68	.93	1.33	1.97	.52	1.31	2.24	.00	1.37
28	1.99	.92	1.42	1.76	1.01	1.34	---	---	---	2.32	.42	1.43
29	---	---	---	1.84	.87	1.47	---	---	---	1.95	.23	1.17
30	---	---	---	2.18	.98	1.59	---	---	---	1.73	.09	1.02
31	---	---	---	2.19	.48	1.64	---	---	---	1.38	.09	.75
MONTH	6.00	-1.30	1.04	---	---	---	---	---	---	---	---	---
DAY	MAX JUNE	MIN JUNE	MEAN JUNE	MAX JULY	MIN JULY	MEAN JULY	MAX AUGUST	MIN AUGUST	MEAN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER	MEAN SEPTEMBER
1	1.01	.04	.51	.47	-.14	.17	1.01	.02	.47	2.70	1.30	1.82
2	.66	-.09	.22	.69	-.03	.32	1.68	.61	1.28	5.61	2.70	4.32
3	.74	-.02	.34	.92	-.15	.41	2.46	1.22	1.85	3.53	1.27	2.71
4	1.06	.10	.58	1.10	-.32	.44	2.19	.80	1.60	2.18	.84	1.64
5	1.19	.07	.65	.90	-.28	.35	2.10	.63	1.43	2.56	.93	1.79
6	---	---	---	1.19	-.40	.55	2.34	.68	1.50	2.72	1.03	1.79
7	---	---	---	1.56	-.36	.70	2.43	.60	1.57	2.26	1.44	1.75
8	---	---	---	1.31	-.83	.41	2.19	.37	1.41	2.02	1.48	1.69
9	---	---	---	1.19	-.90	.27	1.78	.21	1.10	2.91	1.63	2.16
10	1.82	-.08	1.32	1.05	-.72	.20	1.59	.21	.96	4.01	2.85	3.38
11	1.69	-.44	.78	1.25	-.60	.42	1.23	.34	.84	4.14	2.95	3.47
12	1.54	-.69	.61	1.14	-.62	.30	1.20	.44	.76	3.47	1.79	2.73
13	1.21	-.69	.33	.94	-.54	.35	1.16	.31	.72	---	---	---
14	---	---	---	1.03	-.08	.51	1.26	-.32	.56	---	---	---
15	---	---	---	.75	.01	.39	1.29	-.20	.67	---	---	---
16	---	---	---	.50	-.11	.22	1.54	.05	.83	---	---	---
17	---	---	---	.78	-.22	.31	1.48	-.07	.79	---	---	---
18	1.10	.34	.83	1.30	-.03	.60	1.64	.14	.98	---	---	---
19	1.00	-.17	.53	1.29	-.35	.59	1.86	.36	1.21	---	---	---
20	1.20	-.47	.46	1.45	-.16	.72	2.65	.68	1.86	---	---	---
21	1.57	-.48	.71	1.43	-.10	.76	3.62	1.72	2.52	---	---	---
22	1.55	-.30	.73	1.51	-.20	.79	2.87	1.48	2.25	---	---	---
23	1.60	-.47	.71	1.65	-.27	.76	2.11	1.26	1.77	---	---	---
24	1.75	-.38	.78	1.26	-.21	.63	1.87	1.06	1.59	---	---	---
25	2.34	-.38	.92	1.36	-.23	.76	1.67	1.08	1.37	---	---	---
26	1.54	-.24	.69	1.13	-.25	.62	1.32	.81	1.09	---	---	---
27	1.68	-.14	.73	.97	.09	.63	1.21	.83	1.04	---	---	---
28	1.59	-.16	.75	.76	.10	.52	1.23	.62	.93	---	---	---
29	.94	-.18	.47	.75	.12	.45	1.46	.70	1.10	---	---	---
30	.76	-.18	.36	.70	.01	.35	1.71	.61	1.21	---	---	---
31	---	---	---	.84	.19	.46	1.89	.71	1.36	---	---	---
MONTH	---	---	---	1.65	-.90	.48	3.62	-.32	1.25	---	---	---

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA--Continued

WATER-QUALITY RECORD

PERIOD OF RECORD.-- Feb. 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Feb. 1992 to current year.

WATER TEMPERATURE: June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--Records poor. Maximum specific conductance extremes for period of record and current year were higher during period of no record caused by Hurricane Georges, Sep. 28.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily recorded, 47,400 microsiemens, July 19, 1998; minimum daily recorded, 1,390 microsiemens, Apr. 3, 1998.

WATER TEMPERATURE: Maximum daily, 34.3 °C, Aug. 19, 1995; minimum daily, 2.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily recorded, 47,400 microsiemens, July 19; minimum daily recorded, 1,390 microsiemens, Apr. 3.

WATER TEMPERATURE: Maximum daily recorded, 33.8 °C, Aug. 27, 28; minimum daily recorded, 6.8 °C Dec. 15

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	31700	19500	21800	31800	17900	25200	28600	12600	22500	33300	14900	24000
2	35300	18600	26200	30000	21400	25900	35500	16400	23100	36900	19500	27000
3	32300	17100	25000	27500	17900	23900	26100	16900	23400	34200	16400	27100
4	39300	11600	26800	32400	18500	24600	24100	17200	21800	32900	21500	27300
5	33900	25200	28300	31600	18900	25400	30500	11700	20500	31200	20900	26600
6	36900	27300	29900	34300	21500	26300	32700	17000	21900	26700	16000	23100
7	37100	22700	29100	30500	22900	25500	26800	15100	21300	23700	11400	19300
8	32500	22000	27400	27700	17300	24000	30300	21600	25000	---	---	---
9	27200	20500	25200	35600	21500	27400	27100	16400	22600	19800	14500	15800
10	33900	23200	26300	34500	18100	27700	25800	16200	22200	20600	12300	16000
11	30600	21400	25600	37800	20400	29600	34100	15900	23600	23100	9140	15800
12	29200	18800	23500	37300	28400	32600	31600	11300	23300	22900	8560	14800
13	33500	19000	23200	42000	22800	32200	35000	15500	26900	20400	7940	15400
14	35000	23000	27100	37800	27700	31400	32900	17600	23300	20400	8970	14700
15	32300	18400	28100	32100	23500	28400	34100	17500	23300	17600	10500	14200
16	33900	22100	28600	36800	22100	28400	34600	15500	24600	17600	10800	13600
17	33200	16700	26400	36000	23200	29900	37500	17500	26500	17900	8720	12800
18	39700	22100	27800	39200	21200	30600	35300	18700	25300	22000	8170	12500
19	37100	24500	28700	38500	25400	30600	30400	17600	25100	14800	8580	11900
20	32200	19500	26900	41500	25700	32300	33900	20700	27100	21300	9990	14400
21	30200	22200	26800	36800	18800	27200	32800	21500	26900	23100	11800	15800
22	31700	21600	27300	35100	17900	26200	30600	19600	25600	23900	9560	17500
23	34300	26300	29500	29300	22000	25400	33800	19200	26700	18400	7340	13200
24	40600	19100	29500	37700	20600	28600	29800	21400	26200	14700	7420	12100
25	33100	24000	28300	35700	22900	27200	32200	23100	26300	14900	8260	11800
26	32400	19800	26700	35700	15000	24600	35600	17600	26900	---	---	---
27	32300	19200	26000	28800	17800	22900	33600	17700	26600	---	---	---
28	36400	14400	28800	33000	14500	24100	36500	23300	26300	---	---	---
29	28900	25300	27900	30100	20500	24000	34100	17200	23500	---	---	---
30	35400	23300	28300	28600	16500	22500	28500	16500	21800	---	---	---
31	36700	22100	28600	---	---	---	33300	16300	22000	21700	9310	13900
MONTH	40600	11600	27100	42000	14500	27200	37500	11300	24300	36900	7340	17200

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	18000	7270	13600	10100	3860	6100	6650	1770	4280	---	---	---
2	15000	11600	13100	10100	3850	6310	5500	2680	4180	---	---	---
3	22500	8300	14100	7320	3910	5620	3940	1390	2440	---	---	---
4	25500	8300	13300	6550	2250	4260	4530	1860	3230	---	---	---
5	11800	8650	9990	7940	2090	4140	4510	2360	3470	---	---	---
6	10500	7540	9230	5920	1630	3680	5350	2760	4100	---	---	---
7	12300	5770	9190	4910	1980	3380	5420	2160	4480	---	---	---
8	11800	7500	9440	---	---	---	5340	2890	4040	32400	11900	17500
9	14100	6990	10400	---	---	---	3970	2010	2960	28700	13700	24300
10	14100	9340	11600	---	---	---	4950	2440	3910	36100	19900	26800
11	11800	8580	10400	---	---	---	5550	3180	4860	34200	12800	22800
12	13900	8070	10300	---	---	---	5180	3030	4460	32300	19800	25400
13	11800	8490	10400	---	---	---	7690	4110	6160	32700	17100	24300
14	12200	9170	10800	---	---	---	7400	5050	6300	34500	17000	21900
15	20000	9060	13400	---	---	---	7790	3970	5450	29400	17400	21300
16	20600	9950	12600	---	---	---	8190	4360	5810	28300	13400	21300
17	13100	8090	10300	---	---	---	8780	5060	6710	30800	16200	22500
18	9540	3370	6440	---	---	---	8960	4780	7160	24400	16300	20500
19	7880	2590	4050	---	---	---	6900	4450	6120	25600	13900	20000
20	7880	1560	4410	6910	4080	5910	8350	4580	6490	22200	15200	19700
21	8480	3350	6500	7370	4000	5960	8100	4910	6520	24400	15000	18900
22	7830	5300	6300	9300	1990	6490	7150	3880	5500	25800	12100	19800
23	8510	5020	6970	7350	5630	6190	6500	4810	5260	32300	15400	25500
24	9420	6070	7400	8120	3810	5920	5210	4250	4890	34500	25400	30000
25	9310	3740	6250	6190	2050	4510	6520	3310	5020	41200	23200	32100
26	6410	3720	4960	4840	1400	2570	4430	2120	3600	34000	26500	31200
27	5770	2710	4290	3310	1640	2370	7310	3330	5060	32600	22700	29700
28	6710	2590	4030	3130	1700	2530	---	---	---	31400	21800	26500
29	---	---	---	3420	1670	2190	---	---	---	32500	21900	25000
30	---	---	---	5430	1940	3110	---	---	---	29100	21700	24500
31	---	---	---	6630	1770	4360	---	---	---	31600	22400	26600
MONTH	25500	1560	9060	---	---	---	8960	1390	4910	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	34100	19600	28000	27800	10800	19000	35300	29300	31800	24900	15800	21600
2	43100	24600	35800	30900	18700	23600	---	---	---	31300	20300	27400
3	44900	34200	39800	30500	22700	27500	---	---	---	34600	15100	27700
4	46700	37100	42500	33000	22600	28400	---	---	---	29200	16300	24000
5	46900	39300	43700	43600	26900	35100	---	---	---	33000	16000	23800
6	---	---	---	41000	27800	35400	---	---	---	29900	17400	23600
7	---	---	---	44400	29700	36400	---	---	---	27700	19400	23200
8	---	---	---	37100	29800	33500	---	---	---	27100	17300	21900
9	---	---	---	38400	29900	33700	---	---	---	28500	16800	21100
10	30300	26500	27800	38600	25900	33500	---	---	---	24600	15100	19000
11	34600	25700	28400	39200	31500	35100	---	---	---	23100	16300	20800
12	36600	26600	30100	41400	23900	36300	---	---	---	23500	13600	19200
13	33300	27700	31000	43700	30600	35400	---	---	---	---	---	---
14	---	---	---	38900	29900	34000	---	---	---	---	---	---
15	---	---	---	38900	26800	33200	---	---	---	---	---	---
16	---	---	---	36300	23800	31600	---	---	---	---	---	---
17	---	---	---	38300	28300	33300	---	---	---	---	---	---
18	38700	29900	33000	39600	31300	34500	---	---	---	---	---	---
19	41700	32600	35700	47400	28600	34700	---	---	---	---	---	---
20	42500	33200	37800	41000	24600	31300	---	---	---	---	---	---
21	44000	35100	38800	37200	24200	30100	---	---	---	---	---	---
22	44600	35700	39600	37700	23200	28400	---	---	---	---	---	---
23	41900	27800	34800	30100	17000	24600	---	---	---	---	---	---
24	37700	22400	30300	28400	18500	23100	---	---	---	---	---	---
25	33400	19200	28300	27600	21200	24500	---	---	---	---	---	---
26	29600	23900	26800	30200	18100	24000	---	---	---	---	---	---
27	29600	15700	23100	31400	15700	23800	---	---	---	---	---	---
28	23500	10400	19600	26700	18700	23600	23000	15700	19100	---	---	---
29	24600	6580	17200	28500	22000	25600	23100	14500	18600	---	---	---
30	22400	10800	16100	36600	16700	27600	22700	14500	19500	---	---	---
31	---	---	---	35900	28700	31900	29300	16500	20800	---	---	---
MONTH	---	---	---	47400	10800	30100	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	29.2	27.2	28.2	21.6	19.7	20.7	17.9	15.6	16.8	11.7	9.0	10.3
2	28.2	25.9	26.7	21.3	19.4	20.3	17.7	16.1	16.9	13.4	10.4	11.6
3	26.4	24.7	25.7	19.4	17.2	18.2	17.6	16.7	17.1	14.1	11.9	13.0
4	26.9	24.7	26.0	19.0	16.7	17.8	17.1	15.4	16.4	15.0	13.6	14.2
5	27.8	25.4	26.5	19.8	17.3	18.5	15.4	13.7	14.4	15.4	14.5	15.0
6	27.7	26.0	26.7	20.4	17.5	19.2	14.0	12.3	13.1	15.6	14.0	15.2
7	27.2	25.4	26.3	17.5	14.5	16.2	12.5	11.6	12.1	16.7	15.6	16.4
8	27.3	25.6	26.4	16.0	13.7	14.8	13.9	11.9	12.9	---	---	---
9	27.6	26.2	26.8	16.2	14.0	15.1	15.7	13.5	14.4	14.7	14.0	14.3
10	26.8	26.1	26.4	16.0	14.6	15.4	17.4	15.6	16.5	15.1	12.9	14.1
11	26.9	25.5	26.1	15.6	15.2	15.4	15.8	12.3	13.6	15.9	13.9	14.9
12	26.6	25.2	25.9	16.1	15.5	15.9	12.3	10.0	11.0	16.5	14.8	15.6
13	26.7	25.6	26.1	17.1	15.8	16.3	10.0	8.6	9.5	17.2	15.7	16.3
14	25.9	21.1	23.5	17.0	15.7	16.5	8.8	7.1	8.0	16.7	15.7	16.1
15	21.1	19.7	20.4	17.0	15.5	16.3	9.6	6.8	8.0	16.9	14.9	16.2
16	20.3	18.3	19.4	15.9	12.8	14.3	11.2	7.9	9.5	14.9	12.3	13.6
17	20.1	18.2	19.2	13.4	11.8	12.6	12.7	9.0	10.7	15.7	13.3	14.5
18	20.0	17.7	18.8	14.3	12.2	13.1	13.7	10.7	12.1	16.2	14.9	15.6
19	20.2	17.8	19.0	13.6	13.3	13.5	14.8	12.5	13.5	16.5	15.2	15.9
20	21.2	18.4	19.8	15.3	13.4	14.3	14.7	13.2	13.8	15.2	13.9	14.5
21	22.7	19.6	21.0	17.0	14.9	16.0	14.6	13.4	14.0	15.5	14.5	15.0
22	23.0	20.8	22.0	18.6	16.6	17.7	15.5	14.3	14.9	15.6	15.0	15.2
23	22.4	21.2	21.8	18.2	16.1	17.1	15.3	14.9	15.1	15.4	14.6	15.1
24	24.0	21.4	22.3	16.5	15.3	15.8	16.8	15.0	15.8	14.6	13.4	14.1
25	24.1	22.7	23.3	17.0	15.2	16.1	15.9	14.7	15.3	14.4	12.8	13.6
26	23.8	21.5	23.4	17.9	15.6	16.7	15.2	13.8	14.7	13.9	13.5	13.7
27	21.8	18.1	20.1	18.6	16.8	17.6	13.8	11.5	12.6	---	---	---
28	18.2	17.3	17.8	19.0	17.7	18.3	12.4	10.1	11.3	---	---	---
29	17.5	17.0	17.3	19.7	18.0	19.0	13.8	8.2	9.9	---	---	---
30	18.6	17.0	17.7	18.9	17.0	18.2	10.4	7.9	9.1	---	---	---
31	20.1	18.3	19.2	---	---	---	12.1	9.0	10.5	15.0	13.2	14.2
MONTH	29.2	17.0	22.9	21.6	11.8	16.6	17.9	6.8	13.0	17.2	9.0	14.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.6	13.3	13.9	17.9	15.7	17.0	22.7	21.0	21.8	---	---	---
2	14.6	13.6	13.8	16.6	14.1	15.4	22.8	21.1	21.9	---	---	---
3	13.7	13.1	13.4	15.9	12.3	14.1	23.7	22.2	22.9	---	---	---
4	13.4	11.6	12.6	15.6	13.5	14.6	23.3	21.0	22.2	---	---	---
5	12.1	10.8	11.3	15.5	14.6	15.2	22.0	19.6	20.7	---	---	---
6	11.4	10.5	11.0	16.2	14.9	15.4	21.9	19.7	20.9	---	---	---
7	11.9	9.7	10.7	15.7	15.0	15.4	22.0	20.6	21.4	---	---	---
8	12.6	10.4	11.6	---	---	---	22.8	21.6	22.1	26.3	23.9	24.6
9	12.6	11.9	12.2	---	---	---	23.2	21.1	22.0	27.2	25.2	26.1
10	14.5	12.1	13.1	---	---	---	21.6	19.6	20.7	27.8	25.0	26.1
11	16.3	13.4	14.8	---	---	---	20.9	17.7	19.1	26.3	24.4	25.3
12	15.7	13.8	14.8	---	---	---	22.0	18.7	20.2	27.4	24.6	26.0
13	16.6	14.4	15.5	---	---	---	21.6	19.3	20.3	27.6	25.0	26.3
14	16.1	14.5	15.4	---	---	---	22.8	20.5	21.5	27.8	25.5	26.5
15	14.6	14.0	14.3	---	---	---	22.8	21.0	22.0	27.7	26.0	26.9
16	15.1	14.5	14.8	---	---	---	22.9	21.5	22.2	28.1	26.8	27.3
17	17.0	14.0	15.1	---	---	---	23.5	22.0	22.8	28.4	27.2	27.7
18	16.2	13.9	15.1	---	---	---	24.1	22.7	23.4	28.7	27.4	28.0
19	15.3	14.2	14.6	---	---	---	23.4	22.0	22.7	29.8	27.6	28.6
20	15.5	13.6	14.5	18.5	15.2	16.5	22.6	20.1	21.6	30.1	28.7	29.4
21	16.6	14.4	15.5	15.9	13.0	14.5	23.4	21.1	21.9	29.8	28.2	29.1
22	16.9	14.4	15.7	16.7	13.8	14.9	22.0	19.4	20.7	28.2	26.2	27.1
23	15.6	12.5	14.5	16.8	13.9	15.6	22.0	19.3	20.5	27.6	25.1	26.3
24	16.9	14.1	15.7	18.3	15.8	17.2	23.3	19.8	21.4	28.0	25.4	26.7
25	17.5	14.7	16.1	19.6	17.0	18.3	22.9	20.8	21.7	28.9	25.8	27.3
26	16.9	14.5	16.2	20.1	18.1	19.1	21.9	20.1	21.0	29.4	26.1	27.8
27	17.5	15.7	16.5	20.5	18.3	19.4	23.4	20.9	22.0	29.6	27.4	28.5
28	18.2	15.8	17.0	22.0	19.5	20.7	---	---	---	30.0	28.1	29.0
29	---	---	---	22.5	20.7	21.5	---	---	---	29.5	28.6	28.9
30	---	---	---	23.4	21.2	22.1	---	---	---	30.2	28.3	29.1
31	---	---	---	22.8	21.5	22.2	---	---	---	30.0	28.7	29.3
MONTH	18.2	9.7	14.3	---	---	---	24.1	17.7	21.5	---	---	---

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	29.8	28.3	28.9	32.4	28.5	30.0	32.4	29.6	30.7	30.6	27.9	29.2
2	29.3	27.9	28.8	30.2	28.6	29.2	31.5	29.6	30.6	27.9	26.9	27.5
3	29.3	27.2	28.2	30.9	26.3	28.7	30.3	28.5	29.4	28.7	26.5	27.2
4	28.5	27.0	27.7	31.7	28.1	29.9	30.1	28.3	29.1	30.6	27.6	28.9
5	28.6	26.3	27.4	30.3	28.1	29.4	29.9	28.9	29.3	29.1	28.1	28.6
6	---	---	---	32.3	28.7	30.2	31.2	28.8	29.8	28.4	27.5	27.9
7	---	---	---	33.6	29.8	31.4	31.9	29.4	30.2	27.7	26.9	27.3
8	---	---	---	32.6	30.1	31.4	31.7	30.3	30.7	27.4	26.6	27.0
9	---	---	---	32.9	29.6	31.0	32.2	30.4	31.2	27.2	26.7	27.0
10	30.7	27.6	28.8	32.4	29.2	31.0	32.9	30.7	31.7	26.7	26.3	26.5
11	30.6	28.4	29.6	31.5	29.1	30.1	33.3	31.0	32.2	26.4	25.8	26.2
12	31.3	28.7	29.8	31.7	28.9	30.3	32.2	30.8	31.6	25.8	25.2	25.5
13	31.1	28.9	30.0	30.9	29.3	30.2	32.2	30.1	31.0	---	---	---
14	---	---	---	30.5	29.1	29.5	30.9	29.2	29.9	---	---	---
15	---	---	---	30.8	28.7	29.5	30.0	29.0	29.4	---	---	---
16	---	---	---	30.6	28.6	29.4	30.4	28.4	29.4	---	---	---
17	---	---	---	31.0	28.2	29.4	31.3	28.6	29.9	---	---	---
18	33.2	29.5	31.8	30.9	28.4	29.6	31.1	30.0	30.5	---	---	---
19	32.9	29.6	31.0	32.9	29.5	30.8	31.9	29.7	30.7	---	---	---
20	33.1	29.6	31.2	32.9	30.5	31.5	31.4	29.9	30.6	---	---	---
21	32.8	28.4	30.7	31.7	29.9	30.8	30.1	27.7	28.7	---	---	---
22	32.0	29.0	30.6	31.0	29.3	29.9	29.9	27.4	28.5	---	---	---
23	32.1	28.7	30.6	29.7	29.0	29.4	31.3	28.5	29.7	---	---	---
24	32.4	29.8	31.2	30.3	28.5	29.3	31.1	29.7	30.2	---	---	---
25	31.8	28.5	30.0	32.0	29.4	30.2	32.5	30.2	31.3	---	---	---
26	28.5	27.5	27.9	30.5	29.3	29.8	33.0	30.4	31.6	---	---	---
27	27.7	26.9	27.2	30.2	29.0	29.6	33.8	30.9	32.1	---	---	---
28	29.4	26.6	27.8	32.0	28.8	30.1	33.8	30.7	32.1	---	---	---
29	30.9	28.1	29.5	31.0	29.6	30.5	33.6	31.0	32.3	---	---	---
30	31.9	28.9	30.0	32.0	29.3	30.5	32.9	31.3	32.0	---	---	---
31	---	---	---	31.0	29.4	29.9	31.9	30.6	31.2	---	---	---
MONTH	---	---	---	33.6	26.3	30.1	33.8	27.4	30.6	---	---	---

LOWER MISSISSIPPI RIVER BASIN

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)

LOCATION.--Lat 29°16'26", long 89°21'00", T.21 S., R.31 E., Plaquemines Parish, Hydrologic Unit 08090100, cross section of river at Venice and at mile 10.7.

DRAINAGE AREA.--Not determined.

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

REMARKS.--All dissolved constituents are results from water that has be filtered through 0.45 micron filters. Samples collected on Dec. 17 and Sep. 17 were dipped from centrum of flow.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	SETTLABLE MATTER (ML/L/HR) (50086)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC 17...	1530	570	7.85	9.0	5	19	<1.0	11.4	2.5	340	67
MAR 04...	1030	324	7.56	9.5	20	100	<1.0	10.5	.8	1000	110
MAY 14...	1630	388	7.51	20.5	5	50	<1.0	7.3	1.3	1200	70
JUL 07...	1000	375	7.98	28.0	10	1.9	<1.0	6.7	1.3	1200	500
AUG 26...	1100	342	8.33	29.0	15	53	<1.0	6.2	.9	790	500
SEP 17...	0945	1030	7.85	28.0	5	5.1	<1.0	7.3	.5	320	K320
DATE	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM DIS-SOLVED (MG/L AS Mg) (00925)	ANC WATER UNFLTRD FET FIELD (MG/L AS CaCO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
DEC 17...	170	45	15	113	92	47	.35	7.0	346	--	.018
MAR 04...	120	32	9.4	85	36	19	.19	6.5	--	--	.014
MAY 14...	150	41	12	100	44	25	.20	6.8	226	--	.012
JUL 07...	150	40	12	104	41	20	.23	8.1	242	--	<.010
AUG 26...	120	33	10	106	36	20	.25	7.1	214	75	<.010
SEP 17...	210	43	24	130	69	190	.36	6.2	626	10	<.010
DATE	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
DEC 17...	.012	1.2	1.1	.06	.046	<.20	<.20	.13	.11	.10	.09
MAR 04...	--	1.3	1.3	.05	.022	.64	.26	.23	.08	.13	.06
MAY 14...	--	1.9	1.9	.03	.022	.37	.28	.24	.05	.07	.06
JUL 07...	<.010	3.0	2.9	.01	<.010	1.1	.28	.32	.09	.12	.09
AUG 26...	<.010	1.3	1.3	<.01	--	.71	.27	.19	.11	.10	.09
SEP 17...	<.010	1.1	1.1	<.01	<.010	.23	<.20	.13	.12	.13	.13

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

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

LOWER MISSISSIPPI RIVER BASIN

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TRI- FLUR- ALIN, WATER, DISS, REC (UG/L) (04023)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	HEXA- ZINONE, WATER, DISS, REC (UG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (UG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (UG/L) (04027)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (UG/L) (04030)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)
DEC 17...	3.7	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
MAR 04...	7.7	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
MAY 14...	6.3	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JUL 07...	8.7	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
AUG 26...	4.9	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
SEP 17...	3.7	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
DATE	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	VERNO- LATE, WATER, DISS, REC (UG/L) (04034)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	PROP- AZINE WATER DISS REC (UG/L) (38535)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)
DEC 17...	<.050	<.050	E.028	<.050	E.019	<.050	.054	E.047	<.050	<.050	.062
MAR 04...	<.050	<.050	E.024	<.050	<.050	<.050	E.036	<.200	<.050	<.050	E.033
MAY 14...	<.050	<.050	.078	<.050	<.050	E.013	.075	E.120	<.050	<.050	.257
JUL 07...	<.050	<.050	E.032	<.050	<.050	.207	.628	E.056	<.050	<.050	1.14
AUG 26...	<.050	<.050	E.034	<.050	<.050	.102	.164	E.084	<.050	<.050	.180
SEP 17...	<.050	<.050	E.019	<.050	<.050	.071	.117	E.030	<.050	<.050	.104
DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	2,4-DP TOTAL (UG/L) (82183)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	
DEC 17...	.148	.04	<.01	<.01	<.050	<.050	<.01	<.050	.42	<.10	
MAR 04...	.078	.04	<.01	<.01	<.050	<.050	<.01	<.050	.30	<.10	
MAY 14...	.874	.06	<.01	<.01	E.009	.070	<.01	<.050	.83	<.10	
JUL 07...	.124	<.01	<.01	<.01	E.040	.187	<.01	.080	--	--	
AUG 26...	.400	<.01	<.01	<.01	<.050	<.050	<.01	<.050	.34	<.10	
SEP 17...	.293	<.01	<.01	<.01	<.050	<.050	<.01	<.050	1.2	<.10	

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

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'57", long 90°14'55", on line between SE 1/4 NE 1/4 and SW 1/4 NE 1/4 sec. 13, T. 5 S., R. 9 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08090201, near center of span on downstream side of bridge on State Highway 40, 1.2 mi upstream from Bull Branch, and 3.6 mi southwest of Folsom.

DRAINAGE AREA.--95.5 mi², not including Bull Branch which has a drainage area of 7.5 mi² at State Highway 40. Total drainage area for extreme floods is 103 mi².

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

REVISED RECORDS.--WSP 1057: 1944(M), 1945. WDR LA-83-2: 1948(M), 1953(M), 1961(M), 1962(M), 1973(M), 1977(M).

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft. above sea level. Prior to June 9, 1944, non-recording gage at same site and datum.

REMARKS.--Records good. Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 8	0500	5,030	18.54	Jan. 27	2300	1,430	13.98
Jan. 13	2000	3,230	17.01	Mar. 8	1500	*5,270	*18.71
Jan. 23	1700	1,640	14.50	Mar. 18	0300	2,830	16.47

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	55	128	98	192	340	e104	190	60	49	47	40
2	50	55	97	91	177	209	e101	126	58	48	46	40
3	48	60	86	86	167	166	e98	102	57	49	45	40
4	48	53	85	84	148	145	e95	92	56	48	45	39
5	48	52	83	304	131	139	e92	85	55	48	44	38
6	48	52	78	843	116	135	e89	80	61	50	43	38
7	48	55	75	2700	108	299	e85	78	68	55	42	38
8	48	54	85	3810	103	3980	e82	77	62	52	42	41
9	48	53	123	1210	98	2250	e79	74	57	49	43	40
10	48	53	103	467	94	721	76	72	56	47	45	40
11	48	54	90	259	331	308	72	71	55	46	45	58
12	48	73	82	832	633	226	70	69	54	46	45	208
13	50	240	77	2750	368	189	69	68	53	49	44	552
14	67	188	75	2020	192	165	69	67	52	50	44	466
15	85	91	73	1000	160	149	70	66	52	67	50	153
16	57	74	72	922	332	143	69	65	51	63	59	92
17	54	68	70	624	724	1090	68	65	50	53	60	72
18	52	65	70	333	995	2190	78	64	50	55	57	62
19	52	67	69	249	503	850	88	63	49	49	50	61
20	51	71	68	208	250	364	76	62	49	47	47	89
21	51	126	71	180	201	257	70	61	49	46	47	197
22	51	211	89	375	263	210	67	61	66	50	45	137
23	52	119	97	1340	551	172	64	61	62	108	45	127
24	55	88	186	1030	430	145	62	60	53	71	52	119
25	60	77	213	400	229	e136	62	59	51	59	47	86
26	62	74	129	317	206	e131	61	59	53	96	45	68
27	60	72	222	993	472	e125	60	58	53	98	43	60
28	55	69	292	1160	724	e120	112	57	54	67	41	63
29	54	139	169	539	---	e116	358	60	52	55	41	74
30	54	243	132	294	---	e111	354	65	50	51	40	73
31	54	---	112	230	---	e107	---	65	---	48	40	---
TOTAL	1656	2751	3401	25748	8898	15688	2900	2302	1648	1769	1429	3211
MEAN	53.4	91.7	110	831	318	506	96.7	74.3	54.9	57.1	46.1	107
MAX	85	243	292	3810	995	3980	358	190	68	108	60	552
MIN	48	52	68	84	94	107	60	57	49	46	40	38
CFSM	.56	.96	1.15	8.70	3.33	5.30	1.01	.78	.58	.60	.48	1.12
IN.	.65	1.07	1.32	10.03	3.47	6.11	1.13	.90	.64	.69	.56	1.25

e Estimated

MISSISSIPPI RIVER DELTA
07375000 TCHEFUNCTA RIVER NEAR FOLSOM--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

MEAN	70.2	121	185	254	305	263	251	164	101	94.5	96.7	90.1
MAX	351	800	866	1630	1257	621	1227	853	373	302	426	419
(WY)	1997	1962	1954	1993	1961	1973	1983	1953	1959	1949	1983	1977
MIN	32.0	39.5	51.3	57.7	57.7	53.6	50.6	44.8	35.5	36.8	34.3	31.1
(WY)	1969	1982	1970	1957	1968	1955	1963	1963	1968	1968	1968	1968

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1944 - 1998

ANNUAL TOTAL	73717	71401	
ANNUAL MEAN	202	196	
HIGHEST ANNUAL MEAN			165
LOWEST ANNUAL MEAN			313
HIGHEST DAILY MEAN	4660	Feb 26	3980
LOWEST DAILY MEAN	48	Oct 3	38
ANNUAL SEVEN-DAY MINIMUM	48	Oct 3	39
INSTANTANEOUS PEAK FLOW			5270
INSTANTANEOUS PEAK STAGE			18.71
INSTANTANEOUS LOW FLOW			37
INSTANTANEOUS LOW STAGE			5.20
ANNUAL RUNOFF (CFSM)	2.11		2.05
ANNUAL RUNOFF (INCHES)	28.71		27.81
10 PERCENT EXCEEDS	372		360
50 PERCENT EXCEEDS	111		70
90 PERCENT EXCEEDS	53		47

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.38	5.44	6.51	6.10	7.31	8.62	---	7.25	5.62	5.42	5.39	5.25
2	5.37	5.44	6.08	5.98	7.17	7.48	---	6.54	5.58	5.41	5.37	5.25
3	5.34	5.54	5.91	5.91	7.08	7.06	---	6.24	5.56	5.43	5.35	5.24
4	5.33	5.41	5.89	5.88	6.89	6.85	---	6.09	5.55	5.41	5.34	5.23
5	5.33	5.40	5.86	8.10	6.71	6.80	---	6.00	5.53	5.41	5.32	5.22
6	5.34	5.41	5.78	11.80	6.56	6.75	---	5.93	5.63	5.43	5.31	5.21
7	5.33	5.45	5.73	16.12	6.46	8.11	---	5.91	5.75	5.53	5.30	5.22
8	5.34	5.43	5.90	17.45	6.40	17.41	---	5.89	5.65	5.48	5.29	5.27
9	5.33	5.42	6.46	13.12	6.34	15.42	---	5.85	5.57	5.42	5.32	5.25
10	5.33	5.42	6.17	9.56	6.29	11.08	6.04	5.82	5.55	5.38	5.36	5.25
11	5.33	5.43	5.96	7.97	8.52	8.40	5.98	5.80	5.53	5.37	5.36	5.57
12	5.33	5.73	5.84	10.96	10.68	7.64	5.96	5.76	5.51	5.36	5.34	7.37
13	5.37	7.75	5.76	16.37	8.81	7.28	5.94	5.75	5.50	5.42	5.32	10.15
14	5.64	7.18	5.73	15.10	7.31	7.05	5.93	5.74	5.49	5.45	5.32	9.54
15	5.90	5.99	5.69	12.56	7.00	6.89	5.95	5.72	5.47	5.74	5.45	6.84
16	5.49	5.72	5.68	12.23	8.55	6.83	5.94	5.71	5.46	5.67	5.60	6.13
17	5.43	5.61	5.66	10.59	11.17	11.70	5.92	5.70	5.45	5.51	5.62	5.86
18	5.41	5.57	5.65	8.60	12.53	15.44	6.07	5.69	5.44	5.53	5.57	5.71
19	5.40	5.60	5.63	7.87	9.77	11.74	6.22	5.67	5.43	5.42	5.44	5.70
20	5.39	5.67	5.61	7.45	7.88	8.84	6.05	5.65	5.42	5.39	5.39	6.08
21	5.39	6.30	5.67	7.16	7.40	7.96	5.96	5.64	5.43	5.37	5.38	7.34
22	5.39	7.45	5.95	8.78	7.95	7.48	5.90	5.64	5.72	5.44	5.35	6.67
23	5.40	6.39	6.08	13.57	10.17	7.12	5.86	5.63	5.65	6.28	5.34	6.56
24	5.46	5.95	7.19	12.52	9.30	6.85	5.83	5.62	5.49	5.79	5.47	6.46
25	5.54	5.77	7.51	9.09	7.67	---	5.82	5.61	5.46	5.61	5.39	6.05
26	5.57	5.71	6.53	8.45	7.44	---	5.81	5.60	5.50	6.15	5.34	5.81
27	5.53	5.68	7.57	12.29	9.59	---	5.80	5.58	5.50	6.18	5.30	5.69
28	5.46	5.64	8.26	13.10	11.20	---	6.45	5.57	5.51	5.73	5.28	5.73
29	5.43	6.59	7.04	10.03	---	---	8.78	5.61	5.47	5.53	5.27	5.89
30	5.43	7.80	6.59	8.28	---	---	8.76	5.70	5.45	5.45	5.25	5.89
31	5.44	---	6.29	7.69	---	---	---	5.70	---	5.41	5.25	---
MAX	5.90	7.80	8.26	17.45	12.53	---	---	7.25	5.75	6.28	5.62	10.15
MIN	5.33	5.40	5.61	5.88	6.29	---	---	5.57	5.42	5.36	5.25	5.21

MISSISSIPPI RIVER DELTA
07375105 BOGUE FALAYA NEAR CAMP COVINGTON, LA

LOCATION.--Lat 30°32'54", long 90°08'46", sec. 26, T. 6 S., R. 11 E., St. Tammany Parish, Hydrologic Unit 08090201, at bridge on Million Dollar Road, approximately 0.1 mile east of State Highway 25, and approximately 7.0 miles northwest of Covington.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--January to September 1998.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Satellite telemetry and raingage at station.

EXTREMES FOR THE PERIOD OF RECORD.--Maximum elevation, 53.95 ft, Mar. 8, 1998; minimum, 34.23 ft, June 21, 1998.

EXTREMES FOR THE CURRENT YEAR.--Maximum elevation for the period January to September, 53.95 ft, Mar. 8; minimum, 34.23 ft, June 21.

GAGE HEIGHT, IN FEET NAVD 1988, WATER YEAR JANUARY 1998 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					35.36	35.69	34.96	35.17	34.39	34.26	34.39	34.33
2					35.62	35.39	34.88	34.83	34.35	34.25	34.37	34.33
3					35.56	35.21	34.89	34.68	34.33	34.25	34.36	34.32
4					35.34	35.09	34.81	34.60	34.32	34.25	34.35	34.30
5					35.14	35.05	34.68	34.54	34.32	34.25	34.34	34.29
6				39.58	35.03	35.07	34.60	34.50	34.39	34.27	34.33	34.29
7				49.75	34.95	41.05	34.57	34.48	34.47	34.35	34.32	34.31
8				43.56	34.89	51.31	34.55	34.47	34.41	34.34	34.31	34.32
9				38.03	34.85	41.02	34.54	34.44	34.37	34.28	34.32	34.31
10				36.57	34.85	37.44	34.50	34.43	34.33	34.27	34.36	34.33
11				35.97	37.44	36.39	34.46	34.41	34.31	34.29	34.35	34.82
12				44.71	36.79	35.96	34.45	34.40	34.32	34.29	34.35	37.62
13				45.42	35.69	35.74	34.46	34.39	34.31	34.32	34.36	39.87
14				41.42	35.30	35.58	34.47	34.39	34.30	34.44	34.39	37.24
15				40.37	35.25	35.45	34.49	34.38	34.29	34.57	34.52	35.48
16				39.28	37.50	35.35	34.49	34.37	34.27	34.46	34.78	34.97
17				37.21	38.70	38.12	34.48	34.37	34.26	34.41	34.62	34.75
18				36.26	37.37	38.69	34.47	34.37	34.26	34.35	34.49	34.74
19				35.82	36.12	36.91	34.52	34.36	34.27	34.32	34.43	34.94
20				35.51	35.68	36.05	34.50	34.35	34.26	34.30	34.41	36.46
21				35.32	35.44	35.63	34.45	34.35	34.24	34.36	34.39	36.81
22				38.94	36.53	35.38	34.43	34.34	34.29	34.47	34.38	35.69
23				40.07	37.15	35.22	34.40	34.34	34.34	34.54	34.43	35.13
24				37.26	36.12	35.11	34.39	34.34	34.29	34.59	34.40	34.89
25				36.13	35.58	35.03	34.39	34.33	34.27	34.71	34.40	34.77
26				36.86	35.66	34.96	34.39	34.33	34.31	35.59	34.36	34.65
27				39.75	37.18	34.91	34.39	34.32	34.33	35.16	34.34	34.58
28				37.88	36.34	34.87	36.35	34.31	34.31	34.81	34.34	34.79
29				36.41	---	34.84	36.93	34.34	34.29	34.57	34.32	35.42
30				35.87	---	34.81	35.96	34.48	34.28	34.48	34.31	35.17
31				35.56	---	34.75	---	34.46	---	34.43	34.31	---
MEAN				---	35.98	36.52	34.73	34.45	34.32	34.46	34.39	35.20
MAX				---	38.70	51.31	36.93	35.17	34.47	35.59	34.78	39.87
MIN				---	34.85	34.75	34.39	34.31	34.24	34.25	34.31	34.29

MISSISSIPPI RIVER DELTA
07375175 BOGUE FALAYA AT BOSTON STREET AT COVINGTON, LA

LOCATION.--Lat 30°28'35", long 90°05'22", sec. 26, T. 6 S., R. 11 E., St. Tammany Parish, Hydrologic Unit 08090201, at bridge 0.5 mile east of courthouse in Covington.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--December 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

EXTREMES FOR THE PERIOD OF RECORD.--Maximum elevation, 13.98 ft, Mar. 8, 1998; minimum, -0.48 ft, June 15, 1998.

EXTREMES FOR THE CURRENT YEAR.--Maximum elevation for the period December to September, 13.98 ft, Mar. 8; minimum, -0.48 ft, June 15.

GAGE HEIGHT, IN FEET NAVD 1988, WATER YEAR DECEMBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				.27	1.81	1.11	1.67	1.75	.51	-.10	-.04	1.30
2				.53	2.54	.60	1.59	1.18	.13	.16	.43	2.04
3				.85	2.26	.28	1.35	.86	.04	.28	1.08	2.52
4				1.17	1.29	.41	.64	.57	.41	.25	1.30	1.84
5				5.67	.75	.72	.84	.94	.45	-.01	1.24	1.56
6				6.42	.66	1.15	.85	1.32	.64	.10	1.21	1.49
7				11.27	.61	6.23	1.12	1.21	.69	.33	1.30	1.47
8				9.03	.46	12.69	1.19	.74	1.11	.37	1.26	1.39
9				3.61	.52	7.11	.67	1.13	1.36	.08	1.06	1.44
10				2.29	1.08	2.87	.04	.73	1.09	-.15	.89	2.33
11				1.87	2.25	1.77	.07	.47	.97	-.03	.61	4.14
12				5.91	1.98	1.33	.27	.65	.72	.00	.47	4.96
13				9.80	1.27	1.15	1.04	.88	.31	.02	.54	5.42
14				6.24	1.12	.99	1.14	1.02	.06	.71	.49	3.82
15				5.63	1.97	.93	1.09	.99	-.15	.43	.40	2.93
16				4.61	3.70	1.15	1.48	.76	-.02	.12	.53	2.72
17				2.72	3.78	3.43	1.26	.52	.39	.01	.56	2.72
18				1.95	2.44	4.61	1.36	.67	.69	.13	.64	2.87
19				1.54	1.52	3.92	1.27	.85	.40	.29	.70	2.65
20				1.59	1.18	2.22	1.13	.89	.20	.37	.96	3.24
21				1.92	1.02	1.35	.84	.60	.50	.63	1.84	2.53
22				4.63	2.12	1.14	.27	.30	.54	.76	2.10	1.57
23				5.24	2.17	.96	-.01	.37	.49	.75	1.79	1.28
24				2.83	1.39	.87	.19	.51	.51	.65	1.49	1.55
25				1.94	1.03	.94	.43	.72	.73	.91	1.16	2.00
26				2.67	1.57	1.25	.90	.91	1.01	1.45	.78	2.16
27				4.59	2.25	1.56	1.18	1.07	.92	.87	.78	2.21
28				3.10	1.84	1.64	2.51	1.25	.75	.55	.58	2.84
29				1.95	---	1.62	3.36	1.29	.52	.33	.74	1.65
30				1.54	---	1.78	2.70	1.08	.19	.09	.91	1.40
31			.31	1.53	---	2.03	---	.93	---	-.01	1.02	---
MEAN			---	3.71	1.66	2.25	1.08	.88	.54	.33	.93	2.40
MAX			---	11.27	3.78	12.69	3.36	1.75	1.36	1.45	2.10	5.42
MIN			---	.27	.46	.28	-.01	.30	-.15	-.15	-.04	1.28

MISSISSIPPI RIVER DELTA
07375500 TANGIPAHOA RIVER AT ROBERT, LA

LOCATION.--Lat 30°30'23", long 90°21'42", on line between secs. 39 and 40, T. 6 S., R. 8 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chapepeela Creek, and 6.0 mi east of Hammond.

DRAINAGE AREA.--646 mi².

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

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

REMARKS.--Records good. Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1921 reached a stage of 27.1 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 8	1330	*16,200	*19.04	Jan. 24	0030	8,960	16.69
Jan. 13	2030	12,100	17.83	Mar. 8	1930	12,200	17.87

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458	515	1170	917	1400	4370	844	1980	605	445	497	431
2	451	519	928	837	1300	2390	851	1270	e560	459	486	452
3	446	506	775	783	1190	1490	971	1010	e540	470	486	530
4	443	489	700	754	1120	1230	979	898	e517	480	474	463
5	442	476	657	2910	1040	1090	904	824	e507	481	466	435
6	439	477	629	4250	985	1020	844	774	e597	486	459	424
7	441	476	607	9400	946	3000	799	742	e649	490	457	421
8	440	475	681	15600	900	10800	771	720	e550	498	481	421
9	439	475	784	15500	868	10100	755	701	e530	467	475	419
10	440	473	898	10500	858	6550	735	682	e512	453	467	423
11	435	474	810	4780	1760	3330	713	660	e507	445	453	601
12	434	709	734	4950	2960	1860	698	643	e493	604	459	2060
13	449	1070	677	10800	1970	1460	684	632	e489	768	481	4450
14	552	872	640	10500	1330	1270	681	619	e486	630	539	3810
15	519	666	616	7730	1140	1140	675	611	479	591	605	1710
16	485	587	600	5670	1780	1060	674	604	474	559	589	942
17	460	553	588	3610	4160	3370	666	598	468	667	562	756
18	442	537	580	2290	5660	7040	688	591	464	760	558	674
19	437	548	572	1790	4070	5880	1120	583	461	647	501	691
20	435	544	566	1520	2170	3070	1150	574	459	539	482	1010
21	436	894	586	1340	1500	1840	969	567	457	532	472	1340
22	441	2380	1080	2790	1690	1430	846	562	468	597	466	975
23	448	1370	1560	7640	3170	1230	758	558	460	547	460	834
24	537	1070	2110	8430	3240	1100	707	555	452	545	482	901
25	510	801	3970	5830	2070	1020	677	548	453	561	451	734
26	522	684	4750	e3270	1530	974	654	545	454	701	442	647
27	715	621	4060	4760	2980	936	639	538	462	1140	435	599
28	841	592	2800	5160	4940	911	1530	533	462	883	431	601
29	650	866	1810	3250	---	887	2660	540	460	639	426	622
30	561	1070	1270	2130	---	863	3290	640	452	554	426	614
31	523	---	1030	1650	---	845	---	694	---	517	429	---
TOTAL	15271	21789	39238	161341	58727	83556	28932	21996	14927	18155	14897	28990
MEAN	493	726	1266	5205	2097	2695	964	710	498	586	481	966
MAX	841	2380	4750	15600	5660	10800	3290	1980	649	1140	605	4450
MIN	434	473	566	754	858	845	639	533	452	445	426	419
CFSM	.76	1.12	1.96	8.06	3.25	4.17	1.49	1.10	.77	.91	.74	1.50
IN.	.88	1.25	2.26	9.29	3.38	4.81	1.67	1.27	.86	1.05	.86	1.67

e Estimated

MISSISSIPPI RIVER DELTA
07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

MEAN	576	772	1308	1680	2031	1863	1818	1198	823	781	720	722
MAX	1594	3122	4534	5205	7611	5106	8813	4689	2746	3112	2114	3021
(WY)	1965	1949	1962	1998	1966	1943	1983	1953	1975	1946	1983	1971
MIN	270	294	315	381	487	530	437	362	356	363	345	321
(WY)	1968	1940	1940	1940	1968	1967	1963	1963	1963	1968	1968	1968

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1939 - 1998	
ANNUAL TOTAL	519501		507819			
ANNUAL MEAN	1423		1391		1186	
HIGHEST ANNUAL MEAN					2258	
LOWEST ANNUAL MEAN					525	
HIGHEST DAILY MEAN	12700	Feb 26	15600	Jan 8	78500	Apr 7 1983
LOWEST DAILY MEAN	434	Oct 12	419	Sep 9	245	Oct 30 1968
ANNUAL SEVEN-DAY MINIMUM	438	Oct 6	429	Sep 4	246	Oct 28 1968
INSTANTANEOUS PEAK FLOW			16200	Jan 8	85000	Apr 7 1983
INSTANTANEOUS PEAK STAGE			19.04	Jan 8	25.87	Apr 7 1983
INSTANTANEOUS LOW FLOW			417	Sep 9,10	245	Oct 30 1968
INSTANTANEOUS LOW STAGE			6.26	Sep 9,10	2.95	Oct 30 1939
ANNUAL RUNOFF (CFSM)	2.20		2.15		1.84	
ANNUAL RUNOFF (INCHES)	29.92		29.24		24.95	
10 PERCENT EXCEEDS	2850		3260		2120	
50 PERCENT EXCEEDS	872		666		650	
90 PERCENT EXCEEDS	475		452		388	

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.40	6.59	8.61	8.17	9.55	13.87	7.90	10.70	7.04	6.39	6.61	6.33
2	6.37	6.61	7.90	7.88	9.30	11.39	7.93	9.22	---	6.45	6.57	6.42
3	6.35	6.57	7.43	7.68	9.05	9.76	8.36	8.50	---	6.50	6.57	6.75
4	6.34	6.51	7.19	7.58	8.88	9.13	8.39	8.10	---	6.54	6.51	6.47
5	6.34	6.46	7.06	11.57	8.62	8.77	8.12	7.83	---	6.54	6.48	6.34
6	6.33	6.47	6.98	13.77	8.42	8.56	7.90	7.65	---	6.57	6.45	6.29
7	6.34	6.46	6.91	16.69	8.27	11.74	7.74	7.53	---	6.59	6.44	6.28
8	6.33	6.46	7.13	18.89	8.10	17.35	7.64	7.45	---	6.62	6.54	6.28
9	6.33	6.46	7.46	18.86	7.99	17.11	7.58	7.38	---	6.48	6.52	6.27
10	6.34	6.45	7.81	17.25	7.95	15.45	7.51	7.31	---	6.42	6.48	6.28
11	6.32	6.46	7.55	14.06	10.27	12.67	7.43	7.23	---	6.39	6.42	6.99
12	6.31	7.21	7.30	13.93	12.28	10.51	7.37	7.17	---	7.01	6.45	10.55
13	6.36	8.34	7.12	17.39	10.69	9.68	7.32	7.13	---	7.62	6.55	13.96
14	6.72	7.73	7.02	17.27	9.38	9.22	7.30	7.09	---	7.12	6.78	13.26
15	6.61	7.09	6.94	16.12	8.91	8.91	7.28	7.06	6.54	6.98	7.04	10.14
16	6.50	6.84	6.89	14.94	10.35	8.70	7.28	7.03	6.51	6.87	6.98	8.26
17	6.41	6.72	6.85	13.06	13.60	12.45	7.25	7.01	6.49	7.26	6.88	7.58
18	6.34	6.67	6.82	11.26	14.97	15.76	7.33	6.99	6.47	7.60	6.86	7.28
19	6.32	6.70	6.79	10.39	13.54	15.03	8.83	6.96	6.46	7.18	6.63	7.34
20	6.32	6.69	6.77	9.82	11.04	12.38	8.94	6.93	6.45	6.79	6.55	8.38
21	6.32	7.66	6.84	9.39	9.78	10.48	8.36	6.90	6.44	6.76	6.51	9.42
22	6.34	11.22	8.31	11.64	10.15	9.63	7.91	6.88	6.49	7.01	6.48	8.37
23	6.36	9.14	9.64	16.06	12.54	9.14	7.59	6.87	6.45	6.82	6.45	7.87
24	6.67	8.31	10.75	16.46	12.63	8.80	7.40	6.86	6.42	6.82	6.55	8.11
25	6.58	7.51	13.49	15.00	10.88	8.55	7.29	6.83	6.42	6.88	6.42	7.50
26	6.62	7.14	14.24	12.78	9.85	8.37	7.21	6.82	6.43	7.38	6.37	7.18
27	7.23	6.96	13.56	14.24	12.19	8.24	7.16	6.79	6.46	8.88	6.34	7.01
28	7.63	6.86	12.06	14.60	14.40	8.14	9.59	6.77	6.47	8.04	6.33	7.02
29	7.04	7.71	10.40	12.63	---	8.05	11.82	6.80	6.46	7.16	6.30	7.10
30	6.75	8.32	9.24	10.99	---	7.97	12.71	7.16	6.42	6.85	6.30	7.07
31	6.62	---	8.59	10.11	---	7.91	---	7.36	---	6.70	6.32	---
MAX	7.63	11.22	14.24	18.89	14.97	17.35	12.71	10.70	---	8.88	7.04	13.96
MIN	6.31	6.45	6.77	7.58	7.95	7.91	7.16	6.77	---	6.39	6.30	6.27

MISSISSIPPI RIVER DELTA

07375800 TICKFAW RIVER AT LIVERPOOL, LA

LOCATION.--Lat 30°55'50", long 90°40'24", on line between secs. 46 and 47, T. 1 S., R. 5 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on State Highway 38, 0.2 mi east of intersection of State Highways 38 and 441, 0.5 mi upstream from Cotton Patch Branch, and 1.0 mi north of Liverpool.

DRAINAGE AREA.--89.7 mi².

PERIOD OF RECORD.--March 1956 to September 1968, October 1979 to September 1981 (published as "near Liverpool"). October 1968 to September 1979 (annual maximums only), October 1981 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 204.44 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Oct. 1, 1982 altitude of gage, 206 ft, from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi west at same datum. Oct. 1, 1963, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at same site 0.2 mi west at same datum.

REMARKS.--Satellite telemetry and raingage at station.

AVERAGE DISCHARGE.--14 years (1957-68, 1980-81), 116 ft³/s, 17.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s, Apr. 6, 1983, maximum gage height, 13.30 ft; minimum gage height, 1.62 ft, July 22, 23, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,915 ft³/s, Jan. 8; gage height observed, 9.32 ft; minimum gage height, 1.67 ft, Jul. 9, 10, 11.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.84	1.92	2.49	---	---	3.61	---	3.21	1.86	1.72	1.73	2.22
2	1.81	1.93	2.22	---	---	3.02	2.13	2.57	1.84	1.72	1.73	1.92
3	1.80	1.87	2.13	---	---	2.74	2.20	2.27	1.83	1.71	---	1.86
4	1.80	1.86	2.09	---	2.38	2.57	2.21	2.10	1.82	1.71	---	1.85
5	1.83	1.87	2.06	---	2.31	---	2.14	1.99	1.81	1.72	---	1.84
6	1.81	1.88	2.04	---	2.26	---	---	1.92	2.00	1.71	---	1.86
7	1.82	1.88	2.03	---	---	---	---	1.89	1.88	1.69	---	1.88
8	1.79	1.88	2.35	---	---	---	---	2.19	1.83	1.70	1.71	1.88
9	1.79	1.88	2.57	6.63	2.15	---	---	2.15	1.82	1.69	1.71	1.89
10	1.79	1.89	2.49	3.66	2.13	3.65	2.00	2.13	1.80	1.68	1.72	1.90
11	1.80	1.89	2.30	3.12	---	2.92	1.98	2.10	1.78	1.77	1.77	2.19
12	1.79	2.10	2.20	5.31	---	2.65	1.96	2.08	1.77	1.97	1.81	5.08
13	1.81	2.16	2.14	7.96	---	2.49	1.96	2.06	1.76	1.91	2.27	6.99
14	1.82	2.04	2.10	5.80	2.54	2.39	1.95	2.04	1.75	---	2.06	4.49
15	1.81	1.95	2.07	4.02	2.52	2.32	1.95	2.03	1.74	1.82	1.91	2.99
16	1.81	1.91	2.05	3.82	4.39	---	1.94	2.01	1.74	1.83	1.87	2.46
17	1.81	1.90	2.03	3.24	6.85	---	2.18	2.00	1.73	1.79	1.98	2.22
18	1.81	1.91	2.02	2.89	6.31	7.23	5.29	1.98	1.72	1.73	1.92	2.11
19	1.82	1.99	2.01	2.69	3.62	4.24	5.35	1.97	1.71	1.72	1.77	2.14
20	1.82	1.97	2.01	2.51	3.04	3.16	3.66	1.96	1.71	1.71	1.76	2.19
21	1.82	2.01	3.06	2.44	2.77	---	2.69	1.95	1.72	1.71	1.76	2.11
22	1.85	2.51	4.17	5.90	3.87	---	2.34	1.94	1.71	1.71	1.77	2.09
23	1.85	2.32	4.46	8.90	5.95	---	2.16	1.93	1.71	1.75	1.76	2.09
24	1.92	2.09	6.97	6.65	4.22	2.32	2.06	1.93	1.71	1.83	1.76	1.95
25	1.90	2.00	7.08	3.53	3.12	2.25	1.99	1.92	1.71	1.75	1.76	1.84
26	2.38	1.97	4.16	3.24	3.59	2.20	1.95	1.91	1.71	2.26	1.76	1.83
27	2.18	1.95	4.77	4.32	6.74	2.16	1.92	1.89	1.73	2.42	1.76	1.84
28	1.95	1.95	4.85	4.07	6.62	2.14	3.04	1.88	1.72	2.03	1.76	1.84
29	1.90	2.91	3.43	3.23	---	2.12	5.16	1.90	1.72	1.81	1.77	1.84
30	1.89	3.23	2.90	---	---	2.09	4.35	1.91	1.71	1.78	1.78	1.85
31	1.90	---	---	---	---	---	---	1.87	---	1.75	1.99	---
MEAN	1.86	2.05	---	---	---	---	---	2.05	1.77	---	---	2.37
MAX	2.38	3.23	---	---	---	---	---	3.21	2.00	---	---	6.99
MIN	1.79	1.86	---	---	---	---	---	1.87	1.71	---	---	1.83

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in SE 1/4 NE 1/4 sec. 26, T. 6 S., R. 5 E., St. Helena Meridian, Livingston Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi west of Holden, and 5.1 mi upstream from Big Branch.

DRAINAGE AREA.--247 mi².

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

REVISED RECORDS.--WSP 1711: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above sea level. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944 to June 14, 1948, water-stage recorder, June 15, 1949 to Dec. 9, 1949, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records good. Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 9	0800	*8,220	*16.97	Mar. 9	1900	2,390	9.87
Jan. 15	0200	3,810	12.69	Mar. 19	0900	2,130	9.31
Jan. 24	2300	2,800	10.78	May 1	0730	2,190	9.43
Feb. 19	0300	2,070	9.17				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	107	190	314	423	1130	202	2060	130	107	116	94
2	106	105	213	267	381	1060	199	963	125	118	112	98
3	105	103	165	236	350	557	209	468	122	137	108	112
4	104	103	141	219	327	407	213	344	121	112	106	107
5	102	100	131	449	307	351	206	278	120	107	114	97
6	103	99	126	772	289	320	198	238	126	107	106	94
7	104	100	123	2380	272	880	190	216	132	109	104	93
8	102	100	134	4110	260	1970	184	200	135	110	105	93
9	101	99	138	7740	251	2340	179	189	127	106	107	92
10	101	99	157	5290	256	1900	174	180	122	104	104	99
11	101	101	162	3140	361	1190	170	172	119	103	109	158
12	99	201	156	2240	653	619	166	166	119	104	108	521
13	108	215	141	3110	593	428	163	161	117	106	104	1030
14	107	199	132	3690	436	364	162	157	116	117	114	1180
15	101	142	127	3440	381	325	160	154	113	140	131	958
16	99	123	124	2560	702	329	159	151	112	132	147	536
17	98	113	122	1450	1510	1000	157	148	111	128	125	286
18	98	111	121	774	1920	1820	156	145	110	117	131	212
19	98	116	119	567	1920	2050	204	143	109	113	124	179
20	98	112	118	466	1320	1480	514	140	108	108	121	167
21	98	298	126	405	634	851	572	138	107	111	116	187
22	98	267	226	996	608	474	371	136	107	120	114	179
23	98	153	580	2030	1040	385	255	134	108	109	110	194
24	121	147	681	2610	1210	331	211	132	108	116	108	216
25	104	141	1060	2560	950	295	189	132	107	124	107	167
26	113	125	1210	2310	624	267	176	130	111	130	104	149
27	111	116	1310	1530	982	247	168	129	110	188	101	140
28	155	114	1140	1190	1230	233	459	128	110	170	99	139
29	128	124	785	902	---	222	1240	128	112	153	97	142
30	112	149	587	645	---	214	1930	129	108	148	94	142
31	106	---	391	493	---	207	---	130	---	127	92	---
TOTAL	3286	4082	10936	58885	20190	24246	9536	8119	3482	3781	3438	7861
MEAN	106	136	353	1900	721	782	318	262	116	122	111	262
MAX	155	298	1310	7740	1920	2340	1930	2060	135	188	147	1180
MIN	98	99	118	219	251	207	156	128	107	103	92	92
CFSM	.43	.55	1.43	7.69	2.92	3.17	1.29	1.06	.47	.49	.45	1.06
IN.	.49	.61	1.65	8.87	3.04	3.65	1.44	1.22	.52	.57	.52	1.18

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1998, BY WATER YEAR (WY)

MEAN	157	232	436	620	733	663	631	399	239	201	208	210
MAX	591	957	1565	2152	2592	1696	2352	1989	927	891	840	1192
(WY)	1965	1978	1962	1990	1966	1943	1983	1991	1959	1946	1955	1977
MIN	71.2	76.7	101	98.1	115	138	118	97.4	101	97.7	85.1	75.0
(WY)	1969	1970	1961	1957	1968	1955	1963	1963	1965	1968	1968	1968

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1941 - 1998

ANNUAL TOTAL	175236	157842	
ANNUAL MEAN	480	432	392
HIGHEST ANNUAL MEAN			707
LOWEST ANNUAL MEAN			148
HIGHEST DAILY MEAN	6020	7740	19200
LOWEST DAILY MEAN	98	92	65
ANNUAL SEVEN-DAY MINIMUM	98	96	66
INSTANTANEOUS PEAK FLOW		8220	22500
INSTANTANEOUS PEAK STAGE		16.97	21.04
INSTANTANEOUS LOW FLOW		92	65
INSTANTANEOUS LOW STAGE		.47	.39
ANNUAL RUNOFF (CFSM)	1.94	1.75	1.59
ANNUAL RUNOFF (INCHES)	26.39	23.77	21.58
10 PERCENT EXCEEDS	1180	1160	814
50 PERCENT EXCEEDS	226	147	168
90 PERCENT EXCEEDS	107	103	100

* Aug 30, 31, Sep 1, 9, 10

** Oct 20-22

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.69	.75	1.54	2.34	3.09	6.39	1.61	9.13	.98	.70	.73	.49
2	.67	.74	1.72	2.01	2.80	6.11	1.58	5.66	.93	.81	.69	.53
3	.66	.72	1.35	1.78	2.59	3.87	1.66	3.37	.90	1.00	.65	.67
4	.65	.71	1.15	1.64	2.43	2.98	1.70	2.59	.89	.75	.63	.62
5	.63	.69	1.05	3.21	2.29	2.61	1.65	2.17	.88	.70	.70	.52
6	.64	.69	1.00	4.81	2.17	2.41	1.59	1.90	.94	.69	.62	.49
7	.65	.70	.97	9.85	2.05	5.19	1.53	1.73	1.00	.71	.60	.48
8	.64	.70	1.08	12.91	1.96	8.90	1.48	1.61	1.03	.72	.61	.48
9	.63	.70	1.11	16.69	1.89	9.76	1.43	1.52	.95	.68	.62	.47
10	.63	.70	1.28	14.65	1.93	8.68	1.39	1.44	.90	.66	.59	.54
11	.63	.72	1.32	11.42	2.67	6.60	1.36	1.37	.87	.64	.63	1.10
12	.62	1.58	1.27	9.54	4.38	4.19	1.31	1.32	.86	.65	.63	3.60
13	.71	1.73	1.14	11.41	4.09	3.12	1.28	1.27	.84	.67	.59	6.00
14	.70	1.60	1.06	12.50	3.17	2.71	1.27	1.23	.83	.78	.69	6.58
15	.64	1.13	1.01	12.04	2.80	2.45	1.26	1.21	.80	1.00	.85	5.73
16	.63	.95	.98	10.25	4.54	2.47	1.25	1.18	.79	.92	1.01	3.72
17	.62	.86	.96	7.38	7.64	5.82	1.23	1.15	.77	.88	.80	2.14
18	.62	.84	.95	4.95	8.78	8.54	1.22	1.12	.76	.77	.86	1.57
19	.63	.89	.93	3.95	8.78	9.10	1.60	1.10	.75	.73	.79	1.31
20	.63	.86	.92	3.37	7.04	7.56	3.64	1.08	.74	.68	.76	1.20
21	.63	2.19	1.00	2.96	4.27	5.22	3.98	1.06	.72	.70	.70	1.37
22	.63	2.09	1.75	5.74	4.16	3.42	2.77	1.04	.72	.79	.69	1.31
23	.64	1.24	4.02	9.04	6.02	2.85	2.02	1.02	.73	.68	.65	1.43
24	.87	1.19	4.52	10.36	6.66	2.50	1.70	1.00	.73	.75	.63	1.61
25	.70	1.14	6.13	10.24	5.70	2.27	1.52	1.00	.72	.82	.62	1.19
26	.80	.99	6.67	9.70	4.24	2.08	1.41	.98	.76	.88	.59	1.03
27	.77	.90	7.03	7.68	5.79	1.94	1.33	.97	.74	1.39	.56	.95
28	1.19	.88	6.43	6.61	6.77	1.84	3.26	.96	.74	1.25	.54	.94
29	.95	.98	5.02	5.51	---	1.76	6.74	.95	.76	1.10	.52	.97
30	.80	1.21	4.04	4.35	---	1.69	8.80	.97	.72	1.04	.49	.96
31	.74	---	2.87	3.54	---	1.65	---	.98	---	.84	.47	---
MAX	1.19	2.19	7.03	16.69	8.78	9.76	8.80	9.13	1.03	1.39	1.01	6.58
MIN	.62	.69	.92	1.64	1.89	1.65	1.22	.95	.72	.64	.47	.47

MISSISSIPPI RIVER DELTA

07376420 NATALBANY RIVER AT AMITE, LA.

LOCATION.--Lat 30°42'45", long 90°34'26", sec. 53, T. 4 S., R. 6 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070203, on downstream side of bridge on State Highway 16, 1.25 miles southwest of Coon Branch, and 2.75 miles west of Interstate 55.

DRAINAGE AREA.--34.5 mi².

PERIOD OF RECORD.--December 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 15.43 ft, Jan. 7, 1998; minimum, 7.04 ft, Sept. 8, 9, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation for the period December to September, 15.43 ft, Jan.7; minimum, 7.04 ft, Sept. 8, 9.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				7.10	7.65	8.43	7.48	8.47	7.31	7.27	7.34	7.12
2				7.05	7.58	8.11	7.75	8.00	7.27	8.23	7.33	7.10
3				7.02	7.52	7.89	8.05	7.78	7.26	7.56	7.32	7.09
4				6.99	7.44	7.77	7.70	7.64	7.24	7.39	7.30	7.07
5				8.19	7.37	7.70	7.57	7.55	7.24	7.34	7.29	7.06
6				8.96	7.32	7.66	7.50	7.49	7.32	7.31	7.28	7.05
7				13.84	7.29	8.95	7.47	7.45	7.30	7.29	7.27	7.05
8				12.26	7.26	11.57	7.42	7.43	7.27	7.29	7.26	7.05
9				9.06	7.24	9.93	7.40	7.41	7.24	7.28	7.26	7.04
10				8.24	7.27	8.65	7.36	7.39	7.23	7.29	7.26	7.04
11				7.93	8.32	8.28	7.34	7.35	7.22	7.27	7.25	7.36
12				10.67	8.02	8.05	7.33	7.35	7.22	7.25	7.26	9.59
13				12.18	7.65	7.91	7.32	7.34	7.21	7.21	7.25	9.89
14				9.83	7.50	7.81	7.30	7.32	7.21	7.29	7.27	8.81
15				9.62	7.53	7.74	7.29	7.30	7.21	7.58	7.31	8.07
16				9.14	9.14	7.72	7.28	7.28	7.19	7.68	7.32	7.74
17				8.39	11.22	11.44	7.27	7.27	7.19	7.42	7.31	7.59
18				8.06	9.40	10.77	7.26	7.26	7.18	7.35	7.32	7.49
19			6.66	7.83	8.45	---	7.26	7.25	7.17	7.31	7.31	7.42
20			6.62	7.64	8.14	---	7.24	7.25	7.17	7.37	7.32	7.42
21			6.87	7.52	7.93	---	7.30	7.25	7.16	7.62	7.43	7.39
22			6.94	10.40	9.15	---	7.25	7.23	7.15	7.41	7.34	7.97
23			7.23	11.48	9.50	---	7.24	7.23	7.14	7.34	7.31	8.42
24			9.04	9.02	8.53	---	7.23	7.23	7.13	7.31	7.29	7.96
25			8.46	8.31	8.16	7.22	7.21	7.23	7.16	7.39	7.26	7.70
26			7.62	8.48	8.85	7.71	7.21	7.22	7.21	9.25	7.24	7.55
27			8.62	9.83	10.89	7.62	7.21	7.23	7.20	7.89	7.22	7.47
28			8.23	8.74	9.00	7.58	10.05	7.22	7.19	7.57	7.20	7.56
29			7.64	8.25	---	7.55	11.18	7.23	7.19	---	7.17	7.58
30			7.39	7.99	---	7.52	9.84	7.24	7.18	7.38	7.15	7.43
31			7.21	7.78	---	7.51	---	7.25	---	7.35	7.13	---
MEAN			---	8.96	8.26	---	7.68	7.39	7.21	---	7.28	7.64
MAX			---	13.84	11.22	---	11.18	8.47	7.32	---	7.43	9.89
MIN			---	6.99	7.24	---	7.21	7.22	7.13	---	7.13	7.04

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA.

LOCATION.--Lat 30°30'15", long 90°32'45", in NE 1/4 NW 1/4 sec. 30, T. 6 S., R. 7 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070203, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi downstream from Still Branch, and 0.7 mi west of Baptist.

DRAINAGE AREA.--79.5 mi².

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

REVISED RECORDS.--WSP 1057: 1943.

GAGE.--Water-stage recorder. Datum of gage is 10.79 ft above sea level. Prior to July 29, 1994, the datum of gage was 11.28 ft above sea level. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft upstream at same datum.

REMARKS.--Records good. Satellite telemetry and raingage at station. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft³/s and maximum(*):
raingage

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 21	2300	1,970	12.73	Mar. 8	0600	*2,850	*14.28
Jan. 8	0130	2,820	14.23	Mar. 17	2100	1,780	12.34
Jan. 13	1200	2,790	14.18	Sep. 12	1800	1,930	12.65
Jan. 23	0430	2,120	13.03				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	16	24	30	75	148	43	172	15	10	12	8.6
2	10	14	18	26	95	99	42	82	15	21	11	8.7
3	10	9.7	18	23	71	77	66	55	15	27	12	8.0
4	10	9.4	21	22	57	64	50	42	15	15	10	7.7
5	10	9.6	16	1330	47	56	44	35	15	12	9.6	7.7
6	9.7	9.6	14	665	42	52	34	30	22	11	9.5	7.7
7	9.8	9.6	13	2570	38	1340	33	28	18	11	9.6	7.5
8	9.4	9.5	76	2420	34	2590	34	26	14	10	9.5	7.4
9	9.6	9.9	44	907	32	970	32	25	14	10	9.3	7.4
10	9.9	9.6	35	233	61	275	30	23	14	9.7	9.3	12
11	9.1	9.7	23	129	426	144	28	22	14	9.3	13	184
12	9.0	304	17	1410	175	103	28	21	13	9.2	9.9	1440
13	23	128	14	2540	93	81	28	21	13	9.5	9.2	1150
14	45	36	13	1460	62	68	28	21	13	17	10	368
15	16	19	12	992	171	60	28	21	13	36	19	112
16	14	14	12	595	722	58	27	20	13	27	19	53
17	10	12	11	270	1290	1380	27	20	13	18	17	31
18	9.9	11	11	165	590	1080	28	19	13	12	17	27
19	9.7	23	11	114	201	386	29	19	12	11	16	40
20	9.6	16	11	91	121	180	26	19	12	10	27	117
21	9.6	567	19	78	92	118	26	18	12	14	14	146
22	10	557	31	1090	503	88	26	18	13	50	12	65
23	10	59	124	1660	526	72	26	18	12	48	11	222
24	66	25	332	675	210	61	26	18	11	39	13	102
25	17	18	231	220	117	56	25	17	12	39	9.5	49
26	20	16	135	583	187	52	24	17	12	219	8.5	30
27	15	14	399	921	790	49	24	17	12	168	8.4	25
28	11	13	194	394	369	47	975	16	12	36	8.4	68
29	10	85	89	182	---	46	856	16	11	20	8.2	115
30	10	56	55	120	---	44	562	20	11	15	7.7	50
31	10	---	39	93	---	43	---	15	---	13	7.7	---
TOTAL	443.3	2089.6	2062	22008	7197	9887	3255	911	404	956.7	367.3	4476.7
MEAN	14.3	69.7	66.5	710	257	319	109	29.4	13.5	30.9	11.8	149
MAX	66	567	399	2570	1290	2590	975	172	22	219	27	1440
MIN	9.0	9.4	11	22	32	43	24	15	11	9.2	7.7	7.4
CFSM	.18	.88	.84	8.93	3.23	4.01	1.36	.37	.17	.39	.15	1.88
IN.	.21	.98	.96	10.30	3.37	4.63	1.52	.43	.19	.45	.17	2.09

MISSISSIPPI RIVER DELTA
07376500 NATALBANY RIVER AT BAPTIST, LA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

MEAN	37.6	78.3	139	192	252	215	205	118	60.7	54.0	58.9	59.6
MAX	356	750	710	710	1026	563	821	791	412	230	378	586
(WY)	1986	1949	1954	1998	1966	1995	1983	1953	1950	1946	1992	1977
MIN	2.61	3.47	6.97	9.48	19.3	15.2	8.36	5.60	5.88	4.55	4.94	5.86
(WY)	1964	1966	1959	1957	1968	1955	1963	1963	1955	1947	1948	1969

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1944 - 1998

ANNUAL TOTAL	54564.9	54057.6	
ANNUAL MEAN	149	148	122
HIGHEST ANNUAL MEAN			234
LOWEST ANNUAL MEAN			25.0
HIGHEST DAILY MEAN	2960	Feb 26	2590
LOWEST DAILY MEAN	9.0	Oct 12	7.4
ANNUAL SEVEN-DAY MINIMUM	9.5	Oct 6	7.6
INSTANTANEOUS PEAK FLOW			2850
INSTANTANEOUS PEAK STAGE			14.28
INSTANTANEOUS LOW FLOW			7.2
INSTANTANEOUS LOW STAGE			3.23
ANNUAL RUNOFF (CFSM)	1.88		1.86
ANNUAL RUNOFF (INCHES)	25.53		25.29
10 PERCENT EXCEEDS	387		389
50 PERCENT EXCEEDS	41		24
90 PERCENT EXCEEDS	11		9.6

* Oct 12, 13

** Oct 14-18

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.31	3.47	3.85	3.96	4.67	5.32	4.23	5.47	3.60	3.44	3.51	3.41
2	3.29	3.42	3.65	3.84	4.88	4.92	4.21	4.75	3.59	3.74	3.49	3.41
3	3.28	3.27	3.65	3.76	4.62	4.69	4.54	4.42	3.60	3.93	3.51	3.38
4	3.29	3.26	3.75	3.73	4.44	4.53	4.34	4.22	3.60	3.58	3.46	3.37
5	3.29	3.26	3.60	10.39	4.30	4.43	4.25	4.11	3.61	3.50	3.45	3.37
6	3.27	3.27	3.52	8.06	4.21	4.36	4.06	4.02	3.81	3.46	3.44	3.37
7	3.27	3.26	3.50	13.80	4.13	10.23	4.04	3.97	3.68	3.45	3.44	3.36
8	3.26	3.26	4.64	13.56	4.07	13.85	4.06	3.91	3.58	3.43	3.44	3.36
9	3.27	3.28	4.24	9.09	4.03	9.41	4.02	3.87	3.58	3.43	3.43	3.36
10	3.28	3.26	4.09	5.85	4.27	6.09	3.96	3.83	3.58	3.42	3.43	3.52
11	3.24	3.27	3.79	5.18	6.92	5.30	3.92	3.80	3.57	3.40	3.54	5.20
12	3.24	5.74	3.62	10.30	5.50	4.96	3.92	3.78	3.55	3.40	3.45	11.12
13	3.53	5.01	3.54	13.79	4.86	4.74	3.92	3.77	3.54	3.40	3.43	10.22
14	4.12	4.04	3.50	11.18	4.51	4.59	3.90	3.75	3.54	3.60	3.46	6.56
15	3.49	3.64	3.47	9.59	5.14	4.48	3.91	3.76	3.54	4.03	3.74	4.97
16	3.43	3.47	3.44	7.74	8.36	4.45	3.90	3.73	3.53	3.91	3.74	4.30
17	3.29	3.40	3.44	6.04	10.85	10.97	3.89	3.72	3.52	3.66	3.67	3.99
18	3.28	3.38	3.43	5.38	7.73	9.94	3.91	3.71	3.52	3.51	3.68	3.89
19	3.27	3.77	3.42	5.04	5.67	6.69	3.93	3.70	3.51	3.45	3.64	4.10
20	3.26	3.55	3.42	4.79	5.11	5.54	3.85	3.71	3.51	3.42	3.87	4.92
21	3.27	6.41	3.69	4.62	4.85	5.09	3.84	3.70	3.50	3.54	3.58	5.24
22	3.28	7.24	4.01	9.54	7.20	4.82	3.85	3.68	3.53	4.14	3.54	4.45
23	3.28	4.38	4.83	11.87	7.43	4.63	3.84	3.67	3.50	4.19	3.50	5.71
24	4.23	3.85	6.43	8.09	5.72	4.50	3.84	3.67	3.48	4.07	3.55	4.87
25	3.52	3.66	5.83	5.73	5.09	4.43	3.83	3.65	3.50	4.08	3.44	4.24
26	3.62	3.58	5.11	7.51	5.46	4.37	3.80	3.65	3.50	5.70	3.40	3.95
27	3.47	3.52	6.77	9.27	8.71	4.33	3.80	3.64	3.49	5.31	3.40	3.83
28	3.32	3.49	5.61	6.72	6.60	4.30	9.16	3.62	3.49	4.10	3.40	4.39
29	3.28	4.70	4.81	5.55	---	4.28	9.03	3.64	3.47	3.76	3.39	5.00
30	3.28	4.41	4.40	5.11	---	4.25	7.60	3.73	3.46	3.62	3.37	4.25
31	3.30	---	4.16	4.86	---	4.23	---	3.61	---	3.55	3.37	---
MEAN	3.38	3.92	4.17	7.55	5.69	5.77	4.45	3.88	3.55	3.78	3.51	4.64
MAX	4.23	7.24	6.77	13.80	10.85	13.85	9.16	5.47	3.81	5.70	3.87	11.12
MIN	3.24	3.26	3.42	3.73	4.03	4.23	3.80	3.61	3.46	3.40	3.37	3.36

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA

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

DRAINAGE AREA.--580 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above sea level. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

REMARKS.--Records good, except for estimated daily discharge, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry and raingage at station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 8	0530	*27,800	*17.58	Jan. 23	1400	11,100	13.31

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	460	1770	848	970	e2500	1500	1140	346	284	306	328
2	276	442	978	778	917	e1500	1590	813	335	347	301	320
3	270	401	800	737	903	1020	1120	670	330	366	300	297
4	268	378	768	713	869	886	903	587	327	315	300	289
5	264	372	730	1840	815	810	782	535	328	324	296	278
6	262	377	672	4190	762	762	664	502	366	304	297	273
7	260	374	635	14600	723	903	600	486	387	302	298	275
8	262	376	1050	23600	690	e1460	564	471	344	305	298	276
9	266	379	1670	9410	667	e5000	535	449	329	292	298	272
10	264	385	1200	2690	663	2540	503	431	323	291	294	273
11	267	392	953	1630	1720	1240	478	418	319	314	306	317
12	265	455	822	3350	2340	962	461	408	315	427	304	970
13	276	550	734	5660	1460	834	452	400	314	379	384	1430
14	367	501	685	3160	996	763	447	394	311	350	513	1130
15	364	451	647	2180	882	714	445	388	307	359	425	666
16	306	423	621	2450	3130	688	441	384	303	425	347	464
17	290	413	602	1840	5020	4400	490	380	300	734	346	388
18	288	416	588	1400	3650	e5300	819	375	299	421	334	356
19	290	450	575	1170	2090	e2950	1630	368	296	342	315	413
20	297	487	565	1040	1280	1410	1850	364	294	325	308	381
21	300	534	816	965	1060	1060	1190	356	292	317	302	371
22	307	2280	2100	5520	2000	885	748	353	287	314	317	392
23	314	1610	1840	10600	4260	784	610	351	282	321	307	389
24	335	876	4210	6660	2740	717	544	349	283	322	300	366
25	455	684	5340	2390	1460	668	505	347	285	330	308	336
26	837	598	3380	1520	2050	630	480	346	286	364	297	325
27	1600	556	2530	2500	e5400	600	464	341	288	397	288	317
28	779	533	2270	2500	e4500	578	1450	343	289	393	284	312
29	517	1670	1530	1680	---	562	2530	358	285	357	279	301
30	438	3270	1150	1270	---	542	1840	427	287	327	292	298
31	411	---	962	1080	---	543	---	371	---	313	286	---
TOTAL	11979	21093	43193	119971	54017	44211	26635	13905	9337	10961	9830	12803
MEAN	386	703	1393	3870	1929	1426	888	449	311	354	317	427
MAX	1600	3270	5340	23600	5400	5300	2530	1140	387	734	513	1430
MIN	260	372	565	713	663	542	441	341	282	284	279	272
CFSM	.67	1.21	2.40	6.67	3.33	2.46	1.53	.77	.54	.61	.55	.74
IN.	.77	1.35	2.77	7.69	3.46	2.84	1.71	.89	.60	.70	.63	.82

e Estimated

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1998, BY WATER YEAR (WY)

MEAN	463	569	1107	1297	1748	1589	1585	949	597	508	440	490
MAX	2964	2528	4106	3870	4793	5194	6032	4275	2915	2184	1491	2081
(WY)	1965	1958	1972	1998	1966	1980	1983	1953	1975	1989	1975	1975
MIN	197	225	263	339	363	413	347	257	264	261	218	220
(WY)	1964	1970	1967	1957	1970	1955	1963	1965	1969	1960	1954	1963

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1951 - 1998		
ANNUAL TOTAL	469763			377935					
ANNUAL MEAN	1287			1035			934		
HIGHEST ANNUAL MEAN							1924		
LOWEST ANNUAL MEAN							380		
HIGHEST DAILY MEAN	31100	Apr	28	23600	Jan	8	58500	Apr	7 1983
LOWEST DAILY MEAN	260	Oct	7	260	Oct	7	188	Oct	18 1956
ANNUAL SEVEN-DAY MINIMUM	264	Oct	5	264	Oct	5	190	Oct	6 1963
INSTANTANEOUS PEAK FLOW				27800	Jan	8	104000	Jan	25 1990
INSTANTANEOUS PEAK STAGE				17.58	Jan	8	22.05	Jan	25 1990
INSTANTANEOUS LOW FLOW				257	Oct	7,8	188	Oct	18 1956
INSTANTANEOUS LOW STAGE				1.86	Sep	10	0.39	Sep	6-9 1990
ANNUAL RUNOFF (CFSM)	2.22			1.79			1.61		
ANNUAL RUNOFF (INCHES)	30.13			24.24			21.88		
10 PERCENT EXCEEDS	2260			2270			1630		
50 PERCENT EXCEEDS	631			452			421		
90 PERCENT EXCEEDS	333			290			254		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.43	2.75	5.08	3.35	3.56	---	4.46	3.87	2.16	1.98	1.98	2.02
2	2.41	2.70	3.67	3.19	3.45	---	4.66	3.24	2.13	2.14	1.96	2.00
3	2.41	2.59	3.28	3.10	3.42	3.65	3.84	2.93	2.12	2.19	1.96	1.94
4	2.40	2.53	3.20	3.05	3.35	3.39	3.42	2.75	2.11	2.06	1.95	1.92
5	2.40	2.51	3.12	5.01	3.24	3.23	3.17	2.62	2.11	2.07	1.94	1.89
6	2.40	2.52	2.98	8.22	3.13	3.13	2.92	2.55	2.21	2.02	1.94	1.88
7	2.40	2.50	2.89	14.43	3.05	3.40	2.77	2.51	2.27	2.02	1.95	1.88
8	2.40	2.50	3.70	16.89	2.98	---	2.69	2.47	2.16	2.02	1.95	1.88
9	2.40	2.50	4.87	12.04	2.93	---	2.63	2.42	2.12	1.99	1.95	1.87
10	2.39	2.51	4.05	6.30	2.92	6.12	2.55	2.38	2.10	1.98	1.93	1.88
11	2.39	2.52	3.57	4.72	4.83	4.07	2.49	2.34	2.09	2.04	1.97	2.00
12	2.38	2.66	3.29	6.88	5.87	3.54	2.45	2.32	2.08	2.33	1.96	3.47
13	2.40	2.87	3.10	9.62	4.44	3.28	2.43	2.30	2.08	2.21	2.18	4.40
14	2.64	2.75	2.99	6.95	3.61	3.13	2.41	2.28	2.07	2.13	2.51	3.86
15	2.63	2.63	2.91	5.61	3.38	3.03	2.41	2.27	2.06	2.15	2.29	2.88
16	2.47	2.56	2.85	6.03	6.87	2.97	2.40	2.26	2.05	2.32	2.08	2.39
17	2.42	2.53	2.81	5.07	9.04	8.15	2.51	2.25	2.04	3.05	2.08	2.19
18	2.40	2.53	2.78	4.35	7.59	---	3.25	2.24	2.04	2.31	2.04	2.11
19	2.40	2.60	2.75	3.94	5.46	---	4.71	2.22	2.03	2.10	1.99	2.26
20	2.41	2.68	2.73	3.69	4.14	4.35	5.08	2.21	2.02	2.05	1.97	2.17
21	2.42	2.78	3.24	3.55	3.73	3.72	3.96	2.19	2.02	2.03	1.96	2.15
22	2.43	5.97	5.59	8.75	5.18	3.38	3.10	2.18	2.01	2.02	2.00	2.20
23	2.44	4.87	5.16	13.05	8.28	3.18	2.80	2.18	1.99	2.04	1.97	2.19
24	2.49	3.50	8.05	10.39	6.42	3.04	2.65	2.17	1.99	2.04	1.95	2.13
25	2.78	3.08	9.34	5.87	4.44	2.93	2.56	2.16	1.99	2.05	1.97	2.05
26	3.55	2.89	7.28	4.54	5.19	2.84	2.49	2.16	1.99	2.14	1.94	2.02
27	5.06	2.79	6.24	6.09	---	2.78	2.46	2.15	2.00	2.23	1.92	2.00
28	3.48	2.73	5.84	6.10	---	2.73	4.30	2.15	2.00	2.22	1.91	1.98
29	2.90	4.79	4.63	4.81	---	2.69	6.14	2.19	1.99	2.13	1.89	1.95
30	2.71	7.29	3.96	4.11	---	2.64	5.06	2.37	1.98	2.03	1.93	1.94
31	2.64	---	3.59	3.78	---	2.64	---	2.23	---	1.99	1.91	---
MAX	5.06	7.29	9.34	16.89	---	---	6.14	3.87	2.27	3.05	2.51	4.40
MIN	2.38	2.50	2.73	3.05	---	---	2.40	2.15	1.98	1.98	1.89	1.87

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in sec. 41, T. 3 S., R. 2 E., St. Helena Meridian, East Feliciana Parish Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67, 1,000 ft downstream from Knighton Bayou, and 1.3 mi northeast of Olive Branch.

DRAINAGE AREA.--145 mi².

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

REVISED RECORDS.--WSP 1177: 1948, 1949(M). WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft above sea level. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft upstream. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records fair, except for estimated daily discharge, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry and raingage at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 7	----	*Unknown	*Unknown	Jan. 23	0800	7,870	10.16

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	e49	167	110	e109	e377	e92	e400	62	56	48	49
2	44	e48	102	105	e102	e190	e225	e183	61	54	48	48
3	43	e47	88	102	e95	e143	e117	e140	61	55	47	49
4	43	47	87	102	e92	e122	e114	e124	61	56	47	47
5	43	46	89	660	e87	e110	e109	e101	61	55	47	46
6	43	47	80	1480	e83	e105	e100	e91	73	56	47	46
7	44	47	77	e8260	e80	e417	e98	e85	80	56	47	47
8	44	e49	132	e7300	e78	1070	e98	e81	e75	57	48	49
9	44	e49	363	e2850	e77	1040	e96	78	63	54	50	48
10	43	e51	135	248	e103	e344	e94	74	62	52	50	48
11	43	49	103	190	478	e160	e93	73	61	75	49	70
12	43	64	89	1090	347	e125	e91	72	62	61	49	349
13	e46	80	82	1940	e147	e112	e90	71	63	57	48	291
14	e56	66	80	1110	e101	e103	e92	69	63	62	143	146
15	e50	54	77	582	e166	e98	e91	68	63	67	77	120
16	e48	50	76	933	1070	e122	e92	68	61	63	52	77
17	44	49	75	310	1730	1320	e92	67	61	58	54	64
18	45	50	74	185	743	1170	e276	66	61	53	56	60
19	45	58	73	152	e247	e501	e376	65	60	51	49	73
20	45	60	72	135	e144	e214	e300	64	59	53	54	e80
21	45	75	329	125	e136	e135	e152	63	59	51	49	e82
22	e45	385	868	2750	926	e117	e108	63	58	51	48	e147
23	e52	138	293	5530	1160	e100	e91	63	58	53	48	200
24	57	76	1030	1110	512	e90	e88	63	57	64	48	82
25	53	65	1200	243	e181	e87	e86	63	58	52	48	64
26	79	61	289	e230	e398	e83	e84	62	57	53	47	59
27	e108	58	774	632	1750	e82	e83	62	57	52	47	58
28	e96	58	527	350	1460	e81	1070	62	57	51	46	56
29	55	314	181	208	---	e81	1780	70	57	50	47	53
30	51	671	138	e151	---	e80	1690	65	57	53	53	53
31	50	---	120	e122	---	e82	---	62	---	50	55	---
TOTAL	1591	2961	7870	39295	12602	8861	7968	2738	1848	1731	1646	2661
MEAN	51.3	98.7	254	1268	450	286	266	88.3	61.6	55.8	53.1	88.7
MAX	108	671	1200	8260	1750	1320	1780	400	80	75	143	349
MIN	43	46	72	102	77	80	83	62	57	50	46	46
CFM	.35	.68	1.75	8.74	3.10	1.97	1.83	.61	.42	.39	.37	.61
IN.	.41	.76	2.02	10.08	3.23	2.27	2.04	.70	.47	.44	.42	.68

e Estimated.

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1998, BY WATER YEAR (WY)

MEAN	111	153	281	420	465	422	407	218	139	123	118	109
MAX	774	758	1137	1506	1454	1266	1507	1232	609	570	512	623
(WY)	1986	1978	1983	1990	1966	1961	1997	1953	1975	1989	1975	1977
MIN	38.4	35.7	53.1	62.8	77.2	77.2	46.2	47.5	47.4	49.3	42.5	38.5
(WY)	1969	1969	1967	1957	1970	1955	1963	1963	1977	1956	1957	1972

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1943 - 1998

ANNUAL TOTAL	129525			91772								
ANNUAL MEAN	355			251						246		
HIGHEST ANNUAL MEAN										527		1983
LOWEST ANNUAL MEAN										83.1		1963
HIGHEST DAILY MEAN	14300	Apr 28		e8260	Jan 7					16200	Apr 6	1983
LOWEST DAILY MEAN	43	Oct 3		43	Oct 3					29	Oct 16	1972
ANNUAL SEVEN-DAY MINIMUM	43	Oct 1		43	Oct 1					31	Oct 12	1972
INSTANTANEOUS PEAK FLOW				Unknown	Jan 7					22400	Apr 22	1977
INSTANTANEOUS PEAK STAGE				Unknown	Jan 7					23.37	Mar 18	1961
INSTANTANEOUS LOW FLOW				42	Oct 3*					28	Oct 12	1972
INSTANTANEOUS LOW STAGE				.15	Oct 3*					.01	Sep **	1995
ANNUAL RUNOFF (CFSM)	2.45			1.73						1.70		
ANNUAL RUNOFF (INCHES)	33.23			23.54						23.05		
10 PERCENT EXCEEDS	455			487						441		
50 PERCENT EXCEEDS	94			74						81		
90 PERCENT EXCEEDS	47			47						47		

* Oct 3, 4, 5, 6, 7

** Sep 13, 14

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	---	.92	.55	---	---	---	---	.50	.48	.45	.47
2	.16	---	.49	.51	---	---	---	---	.50	.48	.45	.46
3	.16	---	.39	.49	---	---	---	---	.50	.48	.44	.46
4	.16	.19	.38	.49	---	---	---	---	.49	.49	.44	.44
5	.16	.19	.39	2.46	---	---	---	---	.50	.48	.44	.43
6	.16	.20	.32	4.32	---	---	---	---	.58	.48	.44	.43
7	.16	.20	.30	---	---	---	---	---	.63	.49	.44	.44
8	.16	---	.66	---	---	3.62	---	---	---	.49	.45	.47
9	.16	---	1.79	---	---	3.56	---	.61	.52	.48	.47	.45
10	.16	---	.73	1.41	---	---	---	.59	.50	.47	.47	.46
11	.16	.22	.50	1.09	2.19	---	---	.58	.50	.62	.46	.61
12	.16	.35	.40	3.16	1.74	---	---	.57	.51	.52	.46	1.77
13	---	.49	.34	4.95	---	---	---	.57	.52	.51	.45	1.58
14	---	.37	.32	3.49	---	---	---	.56	.52	.53	.95	.99
15	---	.27	.30	2.45	---	---	---	.55	.51	.57	.65	.86
16	---	.24	.29	3.32	3.56	---	---	.54	.51	.55	.49	.62
17	.17	.23	.28	1.63	4.66	4.02	---	.54	.51	.52	.51	.53
18	.17	.23	.27	1.06	2.89	3.80	---	.53	.51	.49	.52	.50
19	.18	.30	.27	.85	---	---	---	.53	.50	.47	.47	.58
20	.18	.32	.26	.73	---	---	---	.52	.49	.48	.50	---
21	.18	.42	1.37	.66	---	---	---	.52	.49	.47	.47	---
22	---	1.90	3.17	5.42	3.31	---	---	.52	.49	.47	.45	---
23	---	.81	1.58	8.44	3.81	---	---	.51	.49	.48	.45	1.22
24	.30	.40	3.47	3.41	2.30	---	---	.51	.49	.57	.45	.65
25	.26	.31	3.85	1.38	---	---	---	.52	.49	.48	.45	.53
26	.45	.27	1.52	---	---	---	---	.51	.49	.49	.44	.50
27	---	.25	2.94	2.57	4.68	---	---	.51	.49	.48	.44	.48
28	---	.26	2.26	1.77	4.29	---	3.56	.51	.49	.48	.43	.46
29	.28	1.51	1.03	1.23	---	---	4.73	.56	.49	.47	.43	.44
30	.25	2.71	.75	---	---	---	4.57	.53	.49	.49	.48	.44
31	.24	---	.62	---	---	---	---	.51	---	.47	.50	---
MAX	---	---	3.85	---	---	---	---	---	---	.62	.95	---
MIN	---	---	.26	---	---	---	---	---	---	.47	.43	---

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E 1/2 sec. 39, T. 5 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.--45 mi², approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above sea level (levels by Corps of Engineers).

REMARKS.--Records poor. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 7	1815	2,980	20.49	No other peak greater than base discharge.			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.07	.90	8.3	4.2	e2.5	18	7.5	19	e.47	.26	.03	.61
2	.08	.74	4.5	3.0	e2.0	11	8.8	9.9	e.45	.24	.11	.19
3	.07	.36	3.1	2.4	e1.7	7.5	5.0	7.4	.50	.24	.15	.11
4	.07	.30	2.3	5.1	e1.5	5.8	3.8	6.2	.50	.19	.02	.03
5	.06	.40	2.0	564	e1.4	4.8	3.3	e5.0	.46	.14	.02	.07
6	.05	.45	1.8	782	e1.3	4.3	3.1	e4.0	1.7	.40	10	.12
7	.07	.45	1.7	2850	e1.2	126	3.1	3.3	1.3	1.5	2.6	.15
8	.11	.46	6.2	1650	e1.1	540	3.1	2.8	.85	.49	.50	.11
9	.11	.49	7.8	64	e1.0	94	3.1	2.9	.63	.24	.28	.10
10	.11	.52	7.8	20	8.6	14	3.1	2.2	.53	.15	.11	.83
11	.12	.55	4.2	13	390	8.6	3.1	1.8	.46	4.9	.30	35
12	.11	12	2.9	609	61	6.3	3.1	1.6	.42	3.7	.09	129
13	2.7	5.1	2.1	618	13	5.0	6.6	1.5	.38	2.1	.05	23
14	1.3	1.9	1.7	190	7.6	4.1	6.7	1.4	.37	4.1	.07	5.9
15	.22	1.2	1.4	232	114	3.5	4.4	1.3	.32	1.3	.12	3.0
16	.16	1.0	1.3	195	696	15	3.5	1.3	.24	2.0	.09	2.0
17	.12	.92	1.1	28	670	761	18	1.3	.20	1.1	.07	1.4
18	.10	1.1	1.0	14	103	282	316	1.2	.16	.58	.06	1.0
19	.12	4.4	1.0	9.7	17	21	217	1.2	.15	.34	.04	5.3
20	.17	2.4	1.0	7.1	12	12	43	1.2	.14	.17	.03	2.4
21	.17	2.0	222	5.6	9.7	8.3	12	1.1	.21	.68	.11	1.5
22	.15	3.7	224	844	580	6.1	7.1	1.1	5.8	2.4	.25	1.4
23	.20	8.9	105	803	512	5.0	5.0	e1.0	4.7	4.1	.23	1.5
24	.38	3.9	429	64	43	4.4	4.7	e.90	1.4	1.3	.15	.64
25	.47	2.3	204	15	14	3.9	4.6	e.80	.87	.88	.04	.40
26	5.5	2.0	22	36	420	3.3	4.6	e.70	.67	.59	.09	.30
27	1.4	2.1	310	e16	686	3.1	4.5	e.65	.61	.39	.03	.38
28	.61	2.6	85	e9.0	125	3.1	805	e.90	.50	.25	.02	.57
29	.48	63	15	e5.0	---	3.0	940	e.60	.43	.17	.93	.31
30	.40	35	8.7	e4.0	---	3.0	118	e.55	.35	.11	4.2	.22
31	.98	---	5.6	e3.5	---	3.4	---	e.50	---	.06	1.3	---
TOTAL	16.66	161.14	1693.5	9665.6	4495.6	1990.5	2570.8	85.30	25.77	35.07	22.09	217.54
MEAN	.54	5.37	54.6	312	161	64.2	85.7	2.75	.86	1.13	.71	7.25
MAX	5.5	63	429	2850	696	761	940	19	5.8	4.9	10	129
MIN	.05	.30	1.0	2.4	1.0	3.0	3.1	.50	.14	.06	.02	.03
CFSM	.01	.12	1.21	6.93	3.57	1.43	1.90	.06	.02	.03	.02	.16
IN.	.01	.13	1.40	7.99	3.72	1.65	2.13	.07	.02	.03	.02	.18

e Estimated

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1998, BY WATER YEAR (WY)

MEAN	37.6	47.0	87.9	163	157	115	146	67.5	50.9	36.6	44.4	33.8
MAX	372	209	369	426	378	335	423	260	519	282	203	226
(WY)	1985	1978	1983	1990	1988	1980	1983	1991	1989	1975	1987	1988
MIN	.16	.60	7.90	2.52	15.1	13.4	1.11	1.50	.45	.68	.71	.016
(WY)	1991	1982	1997	1981	1989	1982	1981	1988	1995	1995	1998	1990

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1973 - 1998

ANNUAL TOTAL	33768.13	20979.57		
ANNUAL MEAN	92.5	57.5		
LOWEST ANNUAL MEAN			81.8	1983
HIGHEST DAILY MEAN			32.2	1976
LOWEST DAILY MEAN	4010	2850	4270	22 1977
ANNUAL SEVEN-DAY MINIMUM	.03	.02	.00	20 1974
INSTANTANEOUS PEAK FLOW	.04	.07	.00	3 1974
INSTANTANEOUS PEAK STAGE		2980	4730	6 1983
INSTANTANEOUS LOW FLOW		20.49	23.24	6 1983
INSTANTANEOUS LOW STAGE		.01	.01	5 1998
ANNUAL RUNOFF (CFMS)	2.06	1.28	1.82	
ANNUAL RUNOFF (INCHES)	27.93	17.40	24.69	
10 PERCENT EXCEEDS	159	107	167	
50 PERCENT EXCEEDS	4.5	1.8	4.4	
90 PERCENT EXCEEDS	.12	.11	.40	

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.88	1.95	2.53	2.32	---	3.20	2.56	3.15	---	1.76	1.68	1.84
2	1.88	1.92	2.26	2.21	---	2.86	2.69	2.71	---	1.76	1.71	1.74
3	1.87	1.83	2.12	2.15	---	2.67	2.43	2.56	1.82	1.76	1.73	1.72
4	1.87	1.81	2.03	2.27	---	2.56	2.33	2.48	1.82	1.75	1.65	1.67
5	1.86	1.83	1.99	10.06	---	2.48	2.28	---	1.81	1.73	1.63	1.69
6	1.85	1.84	1.98	11.75	---	2.43	2.26	---	2.03	1.77	2.22	1.73
7	1.86	1.84	1.97	20.17	---	4.62	2.26	2.22	1.97	1.99	2.10	1.73
8	1.86	1.83	2.39	15.33	---	10.22	2.26	2.16	1.90	1.82	1.82	1.72
9	1.86	1.84	2.50	4.44	---	4.91	2.25	2.18	1.85	1.76	1.77	1.72
10	1.86	1.84	2.50	3.24	2.78	3.04	2.25	2.10	1.83	1.74	1.72	1.82
11	1.86	1.84	2.25	2.94	8.95	2.73	2.25	2.04	1.81	2.22	1.77	3.54
12	1.86	2.68	2.13	9.58	4.36	2.57	2.25	2.01	1.80	2.24	1.72	5.64
13	2.14	2.36	2.04	10.78	3.00	2.47	2.53	2.00	1.79	2.08	1.69	3.25
14	2.07	2.05	1.99	6.68	2.71	2.40	2.54	1.99	1.78	2.26	1.70	2.43
15	1.87	1.95	1.96	7.22	4.35	2.34	2.36	1.98	1.78	1.97	1.73	2.19
16	1.85	1.92	1.93	6.64	11.34	2.67	2.28	1.98	1.76	2.06	1.72	2.07
17	1.84	1.90	1.91	3.54	11.08	11.76	2.77	1.97	1.75	1.94	1.71	1.99
18	1.82	1.92	1.90	2.99	5.12	7.31	8.13	1.96	1.74	1.84	1.70	1.93
19	1.83	2.30	1.90	2.77	3.18	3.31	7.02	1.96	1.74	1.78	1.69	2.36
20	1.84	2.09	1.91	2.61	2.93	2.88	3.92	1.95	1.73	1.74	1.68	2.12
21	1.83	2.04	6.19	2.51	2.83	2.69	2.84	1.95	1.75	1.82	1.71	2.00
22	1.83	2.16	7.04	11.25	9.49	2.54	2.55	1.95	2.21	2.11	1.76	1.97
23	1.83	2.59	5.18	11.93	9.84	2.45	2.40	---	2.33	2.26	1.75	1.99
24	1.87	2.24	9.07	4.35	3.97	2.41	2.37	---	2.00	1.97	1.73	1.85
25	1.89	2.07	6.60	3.05	3.06	2.36	2.36	---	1.90	1.90	1.68	1.80
26	2.42	2.03	3.25	3.55	7.33	2.31	2.36	---	1.86	1.84	1.71	1.77
27	2.06	2.03	8.19	---	11.28	2.28	2.35	---	1.85	1.79	1.67	1.79
28	1.91	2.06	4.74	---	5.37	2.27	10.92	---	1.82	1.76	1.65	1.84
29	1.88	4.46	2.96	---	---	2.26	12.82	---	1.80	1.74	1.78	1.77
30	1.86	3.57	2.63	---	---	2.26	5.39	---	1.78	1.72	2.26	1.75
31	1.95	---	2.43	---	---	2.30	---	---	---	1.70	1.97	---
MAX	2.42	4.46	9.07	---	---	11.76	12.82	---	---	2.26	2.26	5.64
MIN	1.82	1.81	1.90	---	---	2.26	2.25	---	---	1.70	1.63	1.67

MISSISSIPPI RIVER DELTA
07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", on line between secs. 24 and 44, T. 6 S., R. 1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near left bank on downstream side of bridge on State Highway 946, 0.5 mi downstream from Blackwater Bayou, and 2.6 mi west of Comite.

DRAINAGE AREA.--284 mi².

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

REVISED RECORDS.--WSP 1920: Drainage area. WDR LA-85-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 21.85 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 5.00 ft higher. Prior to Oct. 1, 1978, at datum 2.00 ft higher. Prior to Oct. 1, 1996, at datum 2.00 ft higher.

REMARKS.--Indefinite stage-discharge relationship. Jan. 9, 13, 23. Records fair, except for periods of estimated daily discharge, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry and raingage at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	92	427	169	210	899	168	1000	78	71	65	67
2	61	91	195	152	192	397	409	306	77	73	65	65
3	60	89	158	142	180	287	214	187	77	72	67	63
4	60	88	143	156	171	239	174	141	77	72	64	62
5	59	88	142	1930	161	212	161	114	76	71	64	60
6	59	88	139	4470	151	198	149	101	91	70	86	59
7	60	89	131	15300	145	888	145	92	91	79	119	59
8	60	90	163	14600	142	2100	144	87	93	72	73	60
9	61	90	310	e5810	141	1590	142	84	82	72	69	61
10	61	92	266	2470	199	689	139	82	77	69	71	69
11	62	93	181	760	1120	328	137	79	76	73	74	372
12	62	384	157	5570	749	250	134	78	75	87	68	2190
13	68	169	143	e6180	314	216	133	79	75	76	66	586
14	83	139	136	3260	210	195	135	78	74	80	70	239
15	74	118	132	1800	354	186	134	79	73	82	130	159
16	72	110	129	1580	2530	245	135	79	72	81	87	116
17	70	107	126	822	4650	3590	135	79	72	78	75	94
18	69	108	124	423	2080	2460	689	79	72	74	73	86
19	71	134	123	327	651	1090	990	78	72	70	74	80
20	72	123	122	275	342	455	751	78	71	68	68	92
21	73	390	2230	242	272	282	330	78	71	77	71	93
22	73	314	2060	5540	1940	229	220	77	98	88	69	168
23	76	343	851	e8100	3030	200	183	76	130	77	67	338
24	92	171	2060	4080	1300	181	166	76	83	75	64	159
25	89	139	2190	1190	453	168	156	77	80	88	62	97
26	144	127	872	665	1020	156	151	76	78	75	61	83
27	204	121	1340	982	4450	149	148	76	76	72	60	79
28	185	121	1140	827	2570	147	1790	79	73	69	60	76
29	108	524	375	398	---	147	4770	97	72	68	59	70
30	95	664	247	290	---	145	2700	87	71	66	72	68
31	93	---	198	240	---	149	---	80	---	68	70	---
TOTAL	2538	5296	17010	88750	29727	18467	15832	3859	2383	2313	2243	5870
MEAN	81.9	177	549	2863	1062	596	528	124	79.4	74.6	72.4	196
MAX	204	664	2230	15300	4650	3590	4770	1000	130	88	130	2190
MIN	59	88	122	142	141	145	133	76	71	66	59	59
CFSM	.29	.62	1.93	10.1	3.74	2.10	1.86	.44	.28	.26	.25	.69
IN.	.33	.69	2.23	11.63	3.89	2.42	2.07	.51	.31	.30	.29	.77

e Estimated

MISSISSIPPI RIVER DELTA
07378000 COMITE RIVER NEAR COMITE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1998, BY WATER YEAR (WY)

MEAN	229	270	561	913	971	809	868	485	266	233	236	209
MAX	1753	1230	3042	3690	3419	2435	3531	3261	2158	1139	1243	1460
(WY)	1965	1949	1983	1990	1966	1980	1983	1953	1989	1989	1975	1977
MIN	32.2	45.9	67.2	79.0	113	109	58.5	53.3	63.3	74.6	53.8	52.0
(WY)	1964	1957	1967	1957	1968	1955	1963	1963	1964	1998	1954	1952

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1945 - 1998

ANNUAL TOTAL	245678	194288	
ANNUAL MEAN	673	532	502
HIGHEST ANNUAL MEAN			1096
LOWEST ANNUAL MEAN			125
HIGHEST DAILY MEAN	18900	15300	34400
LOWEST DAILY MEAN	59	59	29
ANNUAL SEVEN-DAY MINIMUM	60	60	29
INSTANTANEOUS PEAK FLOW		17300	37000
INSTANTANEOUS PEAK STAGE		25.55	30.64
INSTANTANEOUS LOW FLOW		58	28
INSTANTANEOUS LOW STAGE		1.91	**
ANNUAL RUNOFF (CFSM)	2.37	1.87	1.77
ANNUAL RUNOFF (INCHES)	32.18	25.45	24.00
10 PERCENT EXCEEDS	1290	1160	1000
50 PERCENT EXCEEDS	175	121	126
90 PERCENT EXCEEDS	69	68	60

* Oct 5-7, 9-13.

** Not determined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.94	2.07	4.19	2.48	2.96	6.17	3.03	6.43	2.59	2.52	2.45	2.47
2	1.93	2.04	2.68	2.34	2.81	4.22	4.36	4.03	2.58	2.54	2.45	2.44
3	1.92	2.02	2.39	2.26	2.72	3.61	3.36	3.44	2.58	2.53	2.47	2.42
4	1.92	2.00	2.27	2.37	2.64	3.31	3.11	3.16	2.58	2.52	2.44	2.41
5	1.92	1.98	2.27	8.33	2.55	3.13	3.02	2.96	2.57	2.52	2.44	2.38
6	1.92	1.98	2.24	12.51	2.47	3.04	2.94	2.84	2.73	2.50	2.63	2.37
7	1.92	1.98	2.17	24.06	2.41	6.01	2.91	2.74	2.73	2.60	2.93	2.38
8	1.92	1.98	2.43	24.42	2.39	9.27	2.90	2.69	2.75	2.53	2.53	2.39
9	1.92	1.98	3.47	15.89	2.37	8.14	2.88	2.66	2.63	2.52	2.50	2.40
10	1.92	1.99	3.21	9.86	2.73	5.46	2.86	2.64	2.58	2.49	2.52	2.48
11	1.92	1.99	2.57	5.75	6.95	3.88	2.84	2.60	2.57	2.53	2.55	4.27
12	1.91	3.82	2.38	13.81	5.71	3.43	2.82	2.59	2.56	2.70	2.48	9.17
13	1.97	2.66	2.27	15.36	3.67	3.22	2.81	2.60	2.56	2.57	2.46	5.13
14	2.12	2.39	2.21	11.27	2.98	3.09	2.82	2.60	2.55	2.61	2.51	3.67
15	2.02	2.20	2.18	8.64	3.63	3.03	2.82	2.60	2.54	2.63	3.05	3.24
16	1.99	2.12	2.15	8.13	9.87	3.32	2.82	2.60	2.53	2.63	2.69	2.93
17	1.96	2.08	2.13	5.95	13.20	11.74	2.82	2.61	2.53	2.59	2.56	2.72
18	1.94	2.08	2.11	4.30	9.15	9.90	5.26	2.60	2.53	2.55	2.54	2.63
19	1.95	2.31	2.10	3.73	5.32	6.77	6.58	2.59	2.52	2.50	2.54	2.57
20	1.95	2.21	2.09	3.39	3.89	4.54	5.73	2.59	2.52	2.48	2.48	2.69
21	1.96	3.68	8.18	3.16	3.46	3.68	3.89	2.59	2.52	2.58	2.52	2.70
22	1.95	3.61	9.14	13.37	8.25	3.37	3.23	2.58	2.75	2.70	2.49	3.15
23	1.97	3.80	6.09	18.39	10.89	3.18	2.97	2.57	3.03	2.59	2.48	4.15
24	2.13	2.57	9.03	12.24	7.39	3.06	2.85	2.58	2.65	2.57	2.44	3.22
25	2.10	2.30	9.41	7.09	4.49	2.98	2.77	2.58	2.61	2.70	2.41	2.75
26	2.60	2.19	6.10	5.41	5.78	2.90	2.72	2.57	2.59	2.56	2.40	2.59
27	2.99	2.13	7.52	6.55	12.97	2.85	2.70	2.57	2.57	2.53	2.39	2.55
28	2.90	2.11	6.93	5.98	10.16	2.85	7.75	2.60	2.54	2.50	2.38	2.52
29	2.26	4.70	3.95	4.17	---	2.85	13.34	2.79	2.53	2.48	2.38	2.46
30	2.12	5.42	3.09	3.52	---	2.84	10.40	2.69	2.52	2.46	2.53	2.43
31	2.09	---	2.70	3.18	---	2.88	---	2.62	---	2.49	2.50	---
MEAN	2.07	2.55	3.92	8.64	5.49	4.47	4.04	2.85	2.60	2.56	2.52	3.06
MAX	2.99	5.42	9.41	24.42	13.20	11.74	13.34	6.43	3.03	2.70	3.05	9.17
MIN	1.91	1.98	2.09	2.26	2.37	2.84	2.70	2.57	2.52	2.46	2.38	2.37

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in sec. 2, T. 7 S., R. 2 E., St. Helena Meridian, East Baton Rouge-Livingston Parish line, Hydrologic Unit 08070202, on downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 mi southwest of town of Denham Springs, and 15 mi east of Baton Rouge.

DRAINAGE AREA.--1,280 mi².

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

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is sea level. Sept. 1, 1938, to Aug. 8, 1939, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station from October 1945 to September 1983.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Since 1957, considerable flow from 46 mi² diverted from basin. Several measurements of water temperature were made during the year. Satellite telemetry and raingage at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 12,000 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 9	0030	*50,200	*33.54	Feb. 18	0800	13,100	25.88
Jan. 13	2230	20,000	27.94	Feb. 28	1930	13,400	25.98
Jan. 24	0430	24,100	28.85	Mar. 19	0230	13,100	25.86

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	437	e575	3800	1590	2480	11400	1260	7640	676	460	454	414
2	430	e618	2250	1380	2240	6480	2540	3420	625	465	435	414
3	423	e550	1360	1230	2070	3160	2600	2060	604	519	444	422
4	419	502	1070	1160	1960	2370	1980	1660	588	568	419	396
5	416	486	971	3390	1860	2110	1690	1420	581	496	408	391
6	412	479	926	7440	1750	1880	1490	1270	698	493	416	390
7	409	474	855	22200	1650	3800	1320	1180	738	507	611	389
8	406	471	994	43200	1560	6590	1230	1110	721	478	435	389
9	402	473	e1290	46400	1500	9500	1160	1050	650	465	409	388
10	398	476	e1800	26900	1560	9610	1090	990	595	447	446	421
11	395	483	e1490	10800	4000	6340	1040	938	574	435	456	1840
12	393	1810	1190	10100	5000	3060	991	898	561	494	434	6590
13	397	1170	1020	18300	4350	2260	959	867	550	563	419	6570
14	459	789	906	18100	2890	1950	945	841	539	693	673	4730
15	436	681	e850	12800	2500	1770	930	824	527	619	878	3050
16	e430	602	789	8810	5640	1760	918	801	519	615	738	1800
17	425	558	760	6560	10900	7320	903	786	509	630	611	1190
18	400	542	735	4120	12800	11600	1510	766	506	957	609	900
19	400	679	717	2920	9870	12500	3190	748	498	694	522	751
20	402	627	701	2400	5590	8920	3730	729	489	545	460	767
21	403	1600	2860	2080	2970	4270	3200	713	482	546	450	788
22	404	1820	5380	6980	4710	2550	2170	700	538	607	454	860
23	406	2670	4380	17200	8390	2110	1550	691	732	572	435	1500
24	e425	1920	5390	23000	9520	1850	1280	682	570	613	420	1020
25	e522	1150	8500	e16000	7040	1680	1140	675	549	758	405	757
26	e776	893	9190	e10000	3990	1550	1050	663	526	654	404	624
27	e1240	780	8360	6410	8000	1460	996	649	508	562	399	571
28	e1900	718	6740	6460	12600	1380	2860	640	497	576	395	596
29	e1270	1550	4330	5420	---	1330	8700	712	487	579	393	518
30	e811	2650	2580	3710	---	1270	10700	695	472	532	397	486
31	e642	---	1930	2870	---	1230	---	733	---	476	396	---
TOTAL	17088	28796	84114	349930	139390	135060	65122	37551	17109	17618	14825	39922
MEAN	551	960	2713	11290	4978	4357	2171	1211	570	568	478	1331
MAX	1900	2670	9190	46400	12800	12500	10700	7640	738	957	878	6590
MIN	393	471	701	1160	1500	1230	903	640	472	435	393	388
CFSM	.43	.75	2.12	8.82	3.89	3.40	1.70	.95	.45	.44	.37	1.04
IN.	.50	.84	2.44	10.17	4.05	3.93	1.89	1.09	.50	.51	.43	1.16

e Estimated

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

MEAN	901	1191	2381	3477	3986	3638	3548	2194	1296	1191	1085	1011
MAX	5821	4733	9423	14540	11810	9131	13150	13590	5039	5309	4919	5637
(WY)	1965	1958	1983	1990	1966	1973	1980	1953	1989	1940	1983	1977
MIN	296	323	420	515	609	823	512	419	452	466	386	359
(WY)	1964	1940	1967	1957	1968	1967	1963	1963	1963	1960	1954	1952

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1938 - 1998	
ANNUAL TOTAL	1072769		946525			
ANNUAL MEAN	2939		2593		2150	
HIGHEST ANNUAL MEAN					4433	
LOWEST ANNUAL MEAN					669	
HIGHEST DAILY MEAN	54900	Apr 29	46400	Jan 9	105000	Apr 8 1983
LOWEST DAILY MEAN	393	Oct 12	388	Sep 9	271	Oct 17 1956
ANNUAL SEVEN-DAY MINIMUM	400	Oct 7	395	Sep 4	275	Oct 29 1963
INSTANTANEOUS PEAK FLOW			50200	Jan 9	112000	Apr 8 1983
INSTANTANEOUS PEAK STAGE			33.54	Jan 9	41.50	Apr 8 1983
INSTANTANEOUS LOW FLOW			386	Sep 8*	271	Oct 17 1956
INSTANTANEOUS LOW STAGE			10.39	Sep 8*		
ANNUAL RUNOFF (CFSM)	2.30		2.03		1.68	
ANNUAL RUNOFF (INCHES)	31.18		27.51		22.82	
10 PERCENT EXCEEDS	6050		7000		4680	
50 PERCENT EXCEEDS	1380		860		870	
90 PERCENT EXCEEDS	472		420		432	

* Sep 8, 9 10

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.69	---	18.35	13.58	14.73	25.01	12.66	22.39	11.24	10.66	10.64	10.50
2	10.67	---	15.13	13.09	14.25	21.19	15.29	16.89	11.11	10.67	10.58	10.50
3	10.65	---	13.10	12.75	13.91	16.48	15.43	14.35	11.05	10.82	10.61	10.53
4	10.64	10.93	12.40	12.59	13.70	14.98	14.21	13.52	11.01	10.95	10.52	10.43
5	10.64	10.87	12.11	17.31	13.49	14.47	13.60	13.01	10.99	10.76	10.48	10.41
6	10.63	10.84	11.97	22.49	13.24	14.00	13.16	12.68	11.30	10.75	10.50	10.40
7	10.63	10.81	11.76	28.28	13.03	17.42	12.80	12.46	11.40	10.79	11.07	10.40
8	10.62	10.79	12.15	32.38	12.86	21.43	12.58	12.30	11.36	10.71	10.58	10.40
9	10.62	10.79	---	32.90	12.72	23.99	12.42	12.17	11.17	10.67	10.48	10.40
10	10.61	10.79	---	29.31	12.83	24.06	12.27	12.02	11.03	10.62	10.60	10.50
11	10.61	10.81	---	24.53	17.49	21.08	12.13	11.90	10.97	10.58	10.64	13.88
12	10.61	14.09	12.66	23.77	18.98	16.30	12.03	11.80	10.94	10.75	10.57	21.21
13	10.64	12.77	12.21	27.49	18.02	14.76	11.95	11.72	10.91	10.94	10.52	21.44
14	10.92	11.75	11.89	27.44	15.52	14.15	11.92	11.66	10.88	11.28	11.21	19.06
15	10.83	11.41	---	25.70	14.76	13.77	11.88	11.62	10.84	11.09	11.75	16.28
16	---	11.15	11.54	23.53	19.84	13.73	11.85	11.56	10.82	11.08	11.40	13.83
17	10.77	11.01	11.46	21.41	24.75	22.09	11.81	11.52	10.79	11.12	11.07	12.50
18	10.65	10.95	11.38	18.12	25.75	25.13	13.13	11.47	10.79	11.94	11.06	11.81
19	10.64	11.37	11.33	16.04	24.17	25.59	16.55	11.43	10.76	11.29	10.83	11.43
20	10.64	11.20	11.28	15.05	20.14	23.48	17.53	11.38	10.74	10.89	10.66	11.47
21	10.64	13.49	16.04	14.40	16.13	18.28	16.56	11.34	10.72	10.89	10.63	11.53
22	10.63	14.20	20.73	21.00	18.78	15.34	14.58	11.30	10.87	11.06	10.64	11.69
23	10.63	16.11	19.35	27.08	23.19	14.48	13.30	11.28	11.38	10.97	10.58	13.17
24	---	14.44	20.62	28.60	24.01	13.93	12.70	11.26	10.96	11.07	10.52	12.09
25	---	12.66	23.35	---	21.88	13.57	12.37	11.24	10.90	11.45	10.46	11.45
26	---	11.96	23.81	---	17.90	13.30	12.17	11.21	10.84	11.18	10.46	11.11
27	---	11.62	23.26	20.97	22.68	13.10	12.04	11.17	10.79	10.94	10.44	10.96
28	---	11.42	22.07	21.05	25.61	12.93	15.68	11.15	10.76	10.98	10.42	11.03
29	---	13.54	19.15	19.60	---	12.80	23.34	11.34	10.73	10.99	10.41	10.82
30	---	15.95	15.83	16.99	---	12.69	24.71	11.29	10.69	10.86	10.43	10.73
31	---	---	14.37	15.49	---	12.59	---	11.39	---	10.70	10.43	---
MAX	---	---	---	---	25.75	25.59	24.71	22.39	11.40	11.94	11.75	21.44
MIN	---	---	---	---	12.72	12.59	11.81	11.15	10.69	10.58	10.41	10.40

MISSISSIPPI RIVER DELTA

07380090 ALLIGATOR BAYOU NR PRAIRIEVILLE, LA

LOCATION.--Lat 30°19'17", long 91°01'15", in sec. 28, T. 8 S., R. 2 E., Ascension Parish, Hydrologic Unit 08070204, about 2.0 miles southwest of Prairieville Post Office on Alligator Bayou Road and approximately 0.4 mile south of Interstate 10.

DRAINAGE AREA.--49.27 mi².

PERIOD OF RECORD.--December 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Gage is tide affected. Raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 13.09 ft, Jan. 12, 1998; minimum, 1.34 ft, Dec. 16, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation for period December to September, 13.09 ft, Jan. 12; minimum elevation, 1.34 ft, Dec. 16.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR DECEMBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				3.63	8.55	7.58	4.95	5.82	2.72	2.29	2.14	2.88
2				3.60	8.46	7.54	4.58	4.72	2.72	2.27	2.17	3.40
3				3.63	8.33	7.31	4.51	3.19	2.72	2.25	2.25	3.73
4				3.22	8.20	7.04	4.00	2.74	2.72	2.23	2.47	3.65
5				7.47	8.05	6.85	3.45	2.79	2.72	2.22	2.45	3.37
6				8.63	7.91	6.77	3.31	3.08	2.85	2.21	2.47	3.32
7				11.34	7.80	8.55	3.31	3.04	2.76	2.21	2.52	3.28
8				11.30	7.71	8.96	3.30	2.73	2.80	2.20	2.56	3.19
9				12.08	7.64	8.78	2.85	2.77	2.98	2.20	2.48	3.19
10				12.74	7.62	8.44	2.73	2.78	2.72	2.19	2.44	4.04
11				12.73	8.33	8.14	2.74	2.77	2.62	2.19	2.43	7.34
12				12.75	8.19	7.84	2.74	2.74	2.60	2.18	2.44	10.21
13				13.02	7.95	7.55	2.77	2.74	2.59	2.18	2.45	9.99
14				12.85	7.72	7.36	2.86	2.81	2.58	2.17	2.47	9.39
15				12.78	7.67	7.21	2.81	2.80	2.56	2.15	2.49	8.64
16				12.35	8.26	7.15	3.04	2.74	2.55	2.14	2.47	7.72
17			1.41	11.54	8.85	8.54	3.11	2.73	2.53	2.13	2.61	7.19
18			1.47	10.79	8.68	8.36	3.23	2.73	2.51	2.12	3.02	6.94
19			1.53	10.23	8.45	8.29	3.37	2.73	2.49	2.10	2.50	6.31
20			1.60	9.69	8.20	8.08	3.27	2.73	2.47	2.09	2.54	5.66
21			3.02	9.24	7.89	7.81	3.11	2.73	2.45	2.07	3.01	5.14
22			3.44	10.02	8.25	7.43	2.73	2.73	2.43	2.06	3.46	4.56
23			3.40	10.13	8.43	7.18	2.73	2.73	2.41	2.05	3.45	4.96
24			4.90	10.06	8.24	7.00	2.73	2.73	2.39	2.33	3.14	4.35
25			4.95	10.08	8.00	6.84	2.73	2.73	2.37	2.07	2.92	5.12
26			4.43	10.17	7.82	6.72	2.74	2.72	2.40	2.01	2.57	4.50
27			5.78	10.20	7.72	6.59	2.88	2.76	2.37	2.00	2.57	4.08
28			5.18	9.80	7.60	6.44	5.32	2.89	2.33	2.02	2.58	4.58
29			5.30	9.46	---	6.25	6.42	3.00	2.31	2.05	2.59	4.03
30			5.44	9.11	---	6.03	6.09	2.88	2.30	2.08	2.60	3.63
31			4.31	8.80	---	5.46	---	2.75	---	2.11	2.64	---
MEAN			---	9.79	8.09	7.42	3.48	2.96	2.57	2.15	2.61	5.28
MAX			---	13.02	8.85	8.96	6.42	5.82	2.98	2.33	3.46	10.21
MIN			---	3.22	7.60	5.46	2.73	2.72	2.30	2.00	2.14	2.88

MISSISSIPPI RIVER DELTA

07380101 BAYOU MANCHAC NEAR LITTLE PRAIRIE, LA

LOCATION.--Lat 30°20'25", long 90°55'02", in sec. 39, T. 8 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070202, 4.6 mi northwest of Port Vincent, and 3.0 mi downstream from Clay Cut Bayou, on the right bank 1,000 ft upstream from mouth of Muddy Creek.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--June 1989 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Gage is tide affected. Satellite telemetry and raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 16.83 ft, Jan. 28, 1990 from floodmark; minimum, 0.41 ft, May 20, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 13.12 ft, Jan. 10; minimum elevation recorded, 0.67 ft, Aug. 2.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.15	2.19	2.23	1.33	3.00	5.21	---	4.72	1.44	1.01	.73	2.29
2	1.19	1.77	2.03	1.39	3.44	4.90	---	3.60	1.18	1.08	.90	2.80
3	1.47	1.27	1.94	1.64	3.47	2.96	---	2.16	1.10	1.07	1.89	3.12
4	1.70	1.15	1.62	1.96	2.99	2.02	---	1.63	1.07	1.08	2.18	2.99
5	2.25	1.12	1.32	4.30	2.25	2.00	---	1.62	1.05	1.01	2.12	2.71
6	2.35	1.13	1.18	4.78	1.99	2.30	---	2.07	1.38	.95	2.11	2.65
7	2.75	1.13	1.39	7.54	1.88	4.86	---	1.98	1.58	.94	2.14	2.59
8	3.03	1.09	2.01	---	1.66	5.31	---	1.61	1.94	1.14	2.13	2.47
9	3.10	1.07	1.92	---	1.64	5.33	---	1.58	2.18	1.03	1.99	2.51
10	3.24	1.05	1.88	12.71	2.14	5.44	---	1.66	2.01	.94	1.83	3.21
11	3.31	1.24	1.60	10.73	3.25	5.03	---	1.17	1.81	.87	1.58	4.85
12	3.47	3.13	1.48	9.02	3.00	3.43	---	1.25	1.60	.80	1.35	7.58
13	3.54	3.23	1.27	8.47	2.93	2.28	---	1.58	1.32	.75	1.33	7.30
14	3.30	2.54	1.12	9.27	2.55	2.11	---	1.94	1.11	.97	1.25	6.73
15	2.85	2.02	1.08	9.56	3.11	2.03	---	1.90	1.05	1.05	1.38	5.87
16	2.53	1.62	1.07	8.36	4.44	2.37	---	1.69	1.01	.92	1.33	5.06
17	2.26	1.48	1.06	6.76	5.37	4.99	2.09	1.42	.97	.85	1.41	4.51
18	2.05	1.67	1.05	5.09	5.70	5.22	2.25	1.47	1.43	.80	1.48	4.25
19	1.84	1.92	1.06	3.58	5.92	5.83	2.37	1.65	1.27	.86	1.51	4.07
20	1.62	1.75	1.10	3.07	5.06	5.95	2.29	1.73	1.06	1.15	1.81	4.03
21	1.44	2.92	1.86	3.19	3.21	4.74	2.17	1.53	1.07	1.38	2.52	---
22	1.36	3.36	2.73	5.14	3.91	2.78	1.57	1.21	1.33	1.59	2.93	---
23	1.60	2.57	2.94	5.81	4.22	2.17	1.04	1.12	1.37	1.56	2.88	2.82
24	2.68	2.37	3.45	7.50	4.40	2.05	.94	1.15	1.37	1.56	2.57	2.65
25	2.46	2.07	3.48	8.64	4.48	2.07	.97	1.46	1.60	1.45	2.31	3.00
26	2.32	1.80	3.84	7.99	3.82	2.35	1.39	1.63	1.89	1.46	1.86	3.21
27	1.81	1.56	4.59	6.56	3.63	2.61	1.89	1.84	1.82	1.30	1.67	3.25
28	1.89	1.88	3.95	5.07	4.39	2.77	2.99	2.10	1.64	1.10	1.54	3.47
29	1.77	2.48	3.16	4.27	---	2.70	4.11	2.21	1.49	.98	1.51	3.10
30	1.67	2.22	2.05	3.31	---	2.82	4.64	2.04	1.17	.91	1.71	2.61
31	2.12	---	1.47	2.80	---	2.98	---	1.74	---	.80	1.89	---
MEAN	2.26	1.89	2.03	---	3.49	3.54	---	1.82	1.41	1.08	1.80	---
MAX	3.54	3.36	4.59	---	5.92	5.95	---	4.72	2.18	1.59	2.93	---
MIN	1.15	1.05	1.05	---	1.64	2.00	---	1.12	.97	.75	.73	---

MISSISSIPPI RIVER DELTA
07380120 AMITE RIVER AT PORT VINCENT, LA

LOCATION.--Lat 30°19'57", long 90°51'07", in sec. 19, T. 8 S., R. 4 E. Livingston Parish, Hydrologic Unit 08070202, on downstream side of bridge on State Highway 42, 0.1 mi east of intersection of State Highway 42 and 431, 0.2 mi west of intersection of State Highway 42 and 16, 0.5 mi downstream from mouth of Grays Creek.

DRAINAGE AREA.--1,596 mi².

PERIOD OF RECORD.--Oct. 25, 1983 to Sept. 30, 1984 (elevations only), October 1984 to current year. Prior to Oct. 24, 1983, elevations only in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is sea level. Prior to Oct. 25, 1983, operated by Corps of Engineers, same site and location.

REMARKS.--No estimated daily discharges. Records poor. No velocity record: Oct. 14-17, Nov. 19-30, Dec. 20, Jan. 3-5, Jan. 27-Feb. 4, 11, 27, Mar. 6, 7, Apr. 27-May 12, May 29-July 12, Aug. 2, Sept. 4, 11-16, 18, and 22-30.. Satellite telemetry and raingage at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 14.65 ft, Apr. 9, 1983; minimum elevation, -1.04 ft, Jan. 19, 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 69,500 ft³/s, Jan. 28, 1990; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 41,000 ft³/s, Jan. 9; maximum elevation, 9.62 ft, Jan. 10; maximum negative discharge, -2,150 ft³/s, Sept. 1; minimum elevation, -0.18 ft, Jan. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.54	1.95	1.66	.18	2.30	3.19	2.48	3.68	1.11	.43	.49	2.03
2	1.04	1.43	1.60	.93	2.83	2.93	2.42	2.98	.57	.64	.86	2.54
3	1.23	.61	1.66	1.30	2.95	1.74	2.28	1.93	.41	.87	1.71	2.87
4	1.57	.42	1.26	1.59	2.41	1.08	1.53	1.26	.75	.87	2.00	2.73
5	2.04	.77	.85	2.80	1.50	1.36	1.50	1.60	.92	.62	1.93	2.45
6	2.13	.94	.57	3.36	1.05	1.73	1.57	2.02	1.21	.62	1.92	2.39
7	2.53	.56	.74	4.90	.99	3.11	1.81	1.90	1.38	.87	1.96	2.32
8	2.81	.33	1.50	6.32	.84	4.18	1.87	1.36	1.75	.95	1.95	2.21
9	2.87	.61	1.49	9.32	.98	4.14	1.32	1.64	1.98	.67	1.81	2.25
10	3.02	.86	1.52	9.40	1.55	3.96	.52	1.46	1.81	.28	1.63	2.87
11	3.09	1.24	1.18	7.96	2.10	3.47	.44	.99	1.60	.34	1.37	---
12	3.25	2.30	1.13	6.41	1.95	2.35	.74	1.19	1.34	.42	1.16	---
13	3.31	2.66	.85	5.93	1.91	1.51	1.53	---	.91	.51	1.15	---
14	3.07	2.15	.48	6.47	1.77	1.37	1.78	---	.43	.77	1.02	---
15	2.62	1.64	.21	6.81	2.44	1.31	1.72	---	.03	.73	.97	---
16	2.30	1.22	.22	6.13	3.39	1.73	2.01	---	.28	.44	1.11	---
17	2.04	1.24	.19	4.94	3.94	3.29	2.06	---	.88	.36	1.16	4.07
18	1.81	1.32	.35	3.61	4.01	3.88	2.19	---	1.27	.64	1.20	3.91
19	1.59	1.57	.56	2.35	3.94	4.14	2.20	---	1.01	.89	1.31	3.74
20	1.36	1.58	.73	2.04	3.33	4.09	2.05	---	.70	.97	1.60	3.74
21	1.19	1.93	1.42	2.39	2.20	3.29	1.89	---	.91	1.18	2.26	3.46
22	1.11	2.25	1.95	3.42	2.68	1.95	1.15	---	1.12	1.40	2.67	---
23	1.47	1.95	2.11	4.09	2.84	1.42	.59	---	1.16	1.36	2.62	---
24	2.12	1.84	2.51	4.86	2.75	1.33	.69	---	1.15	1.31	2.31	---
25	2.11	1.60	2.44	5.62	2.76	1.47	.96	---	1.39	1.22	2.05	2.74
26	2.04	1.41	2.58	5.37	2.61	1.91	1.42	---	1.69	1.25	1.53	2.94
27	1.48	1.24	2.99	4.68	2.55	2.20	1.84	1.66	1.62	1.08	1.44	2.99
28	1.67	1.64	2.63	3.66	2.88	2.39	2.83	1.88	1.44	.86	1.26	3.20
29	1.44	2.15	2.02	2.92	---	2.32	3.42	1.99	1.25	.82	1.30	2.82
30	1.48	1.87	.97	2.16	---	2.48	3.79	1.77	.82	.62	1.49	2.33
31	1.87	---	.05	1.91	---	2.62	---	1.52	---	.45	1.63	---
MEAN	2.01	1.44	1.30	4.32	2.41	2.51	1.75	---	1.10	.79	1.58	---
MAX	3.31	2.66	2.99	9.40	4.01	4.18	3.79	---	1.98	1.40	2.67	---
MIN	.54	.33	.05	.18	.84	1.08	.44	---	.03	.28	.49	---

MISSISSIPPI RIVER DELTA

07380126 HENDERSON BAYOU NEAR PORT VINCENT, LA

LOCATION.--Lat 30°17'50", long 90°53'02", in sec. 37, T. 9 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on Henderson Bayou Road, 1.2 miles from the intersection of Hwy 933 and Henderson Bayou Road.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Annual maximums, water years 1980-84. November 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Stage affected by wind and tide. Rainage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.09 ft, Jan. 10, 1998; minimum elevation -0.72 ft, Jan. 1, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period November to September, 8.09 ft, Jan. 10; minimum elevation, -0.72 ft, Jan. 1.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR NOVEMBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			.84	-.54	1.49	2.25	1.62	2.77	.27	-.39	-.34	1.20
2			.78	.12	2.01	2.00	1.54	2.11	-.27	-.19	.03	1.71
3			.85	.49	2.12	.85	1.41	1.07	-.41	.04	.86	2.02
4			.44	.79	1.57	.23	.69	.41	-.08	.03	1.15	1.89
5			.04	3.28	.66	.51	.63	.75	.09	-.21	1.09	1.62
6			-.24	2.84	.22	.89	.70	1.18	.39	-.21	1.09	1.56
7			-.07	4.63	.16	3.14	.94	1.05	.55	.04	1.11	1.50
8			.70	4.85	.02	3.30	1.00	.51	.91	.12	1.11	1.38
9			.67	6.91	.17	3.23	.45	.80	1.14	-.16	.96	1.43
10			.71	7.96	.78	3.04	-.34	.61	.97	-.45	.80	2.23
11			.36	6.87	1.27	2.60	-.41	.16	.76	-.44	.52	3.61
12			.31	5.86	1.09	1.53	-.12	.39	.50	-.39	.32	6.10
13			.04	5.01	1.05	.65	.66	.69	.08	-.32	.30	5.28
14			-.33	5.33	.93	.52	.91	.88	-.33	-.06	.17	5.01
15			-.59	5.81	1.73	.45	.85	.83	-.55	-.11	.15	4.40
16			-.56	5.17	2.77	.85	1.14	.61	-.51	-.39	.26	3.77
17			-.60	4.09	3.08	2.88	1.20	.29	.05	-.46	.33	3.29
18			-.45	2.84	3.10	2.94	1.32	.44	.44	-.20	.38	3.06
19			-.24	1.53	3.01	3.19	1.33	.63	.18	.05	.49	2.90
20			-.06	1.21	2.45	3.16	1.17	.67	-.14	.13	.80	2.89
21			.60	1.57	1.36	2.48	1.02	.40	.07	.34	1.43	2.62
22			1.12	3.17	2.10	1.12	.28	-.02	.29	.55	1.83	2.13
23			1.34	3.18	1.95	.56	-.26	-.02	.33	.52	1.79	1.69
24			1.88	3.78	1.85	.47	-.14	.18	.32	.46	1.48	1.55
25			1.60	4.50	1.86	.60	.12	.41	.56	.40	1.22	1.90
26		.59	1.98	4.54	1.79	1.03	.64	.64	.85	.41	.70	2.13
27		.43	2.52	3.81	1.69	1.32	1.00	.82	.78	.24	.62	2.18
28		.83	1.77	2.82	1.98	1.51	1.98	1.04	.60	.03	.44	2.39
29		1.34	1.17	2.07	---	1.45	2.56	1.15	.42	-.02	.47	2.01
30		1.05	.15	1.31	---	1.59	2.89	.97	-.02	-.22	.66	1.52
31		---	-.67	1.08	---	1.75	---	.67	---	-.39	.81	---
MEAN		---	.52	3.45	1.58	1.68	.89	.74	.27	-.04	.74	2.57
MAX		---	2.52	7.96	3.10	3.30	2.89	2.77	1.14	.55	1.83	6.10
MIN		---	-.67	-.54	.02	.23	-.41	-.02	-.55	-.46	-.34	1.20

MISSISSIPPI RIVER DELTA
07380200 AMITE RIVER AT FRENCH SETTLEMENT, LA

LOCATION.--Lat 30°16'31", long 90°46'45", in sec. 11, T. 9 S., R. 4 E., Livingston Parish, Hydrologic Unit 08070202, at bridge on State Highway 16, 2.0 mi south of French Settlement High School.

DRAINAGE AREA.--About 1,750 mi².

PERIOD OF RECORD.--Annual maximums, water years 1995-96; October 1997 to current year. Previous stage data was collected at a nearby site (Station number 8522509) by the U.S. Army Corps of Engineers, New Orleans District, from 1949 to 1992.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Stage affected by wind and tide. Satellite telemetry and raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 4.94 ft, Sept. 12, 1998; minimum recorded, -0.89 ft, Dec. 31, 1997 and Jan. 1, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.94 ft, Sept. 12; minimum recorded, -0.89 ft, Dec. 31, Jan. 1.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	1.47	.96	-.44	1.70	1.60	1.93	2.57	.59	-.10	-.05	1.50
2	.56	.95	1.00	.36	2.22	1.16	1.85	2.09	.03	.11	.33	2.01
3	.75	.13	1.16	.74	2.36	.45	1.68	1.31	-.11	.35	1.17	2.35
4	1.09	-.06	.74	1.04	1.80	.34	.93	.68	.23	.34	1.47	2.21
5	1.55	.30	.30	1.88	.85	.74	.94	1.06	.39	.09	1.40	1.93
6	1.65	.47	.03	2.21	.41	1.15	1.01	1.48	.68	.09	1.40	1.87
7	2.05	.08	.20	2.87	.37	2.15	1.26	1.36	.84	.34	1.43	1.81
8	2.32	-.15	.95	3.20	.22	3.05	1.33	.81	1.22	.42	1.42	1.69
9	2.39	.14	.94	3.69	.39	2.92	.77	1.11	1.45	.13	1.27	1.73
10	2.53	.39	.94	4.14	.97	2.58	-.05	.91	1.28	-.25	1.10	2.33
11	2.61	.76	.60	4.08	1.28	2.09	-.11	.46	1.07	-.20	.82	3.43
12	2.77	1.65	.58	3.71	1.02	1.34	.19	.70	.80	-.10	.62	4.60
13	2.85	2.08	.31	3.50	1.00	.81	1.00	1.00	.38	-.02	.61	4.90
14	2.59	1.64	-.07	3.58	1.05	.73	1.24	1.18	-.11	.20	.47	4.69
15	2.15	1.14	-.34	3.77	1.80	.70	1.18	1.14	-.50	.17	.40	4.32
16	1.82	.73	-.31	3.65	2.58	1.15	1.48	.94	-.25	-.11	.55	3.89
17	1.56	.75	-.35	3.11	2.71	2.19	1.52	.77	.36	-.18	.62	3.53
18	1.33	.84	-.19	2.31	2.52	2.63	1.64	---	.75	.09	.67	3.35
19	1.11	1.08	.02	1.45	2.22	2.72	1.60	.96	.48	.34	.79	3.20
20	.89	1.10	.20	1.35	1.81	2.58	1.41	1.00	.17	.43	1.10	3.21
21	.71	1.29	.82	1.78	1.28	2.01	1.25	.72	.37	.64	1.74	2.92
22	.64	1.42	1.10	2.36	1.82	1.17	.50	.30	.59	.85	2.14	2.44
23	.99	1.25	1.26	2.57	1.63	.76	.00	.30	.63	.81	2.10	1.97
24	1.58	1.22	1.62	2.65	1.30	.72	.16	.42	.62	.76	1.79	1.83
25	1.61	1.06	1.40	2.78	1.34	.89	.43	---	.85	.70	1.53	2.20
26	1.56	.91	1.45	2.88	1.63	1.34	.96	.97	1.16	.70	1.00	2.43
27	.98	.76	1.61	2.79	1.62	1.64	1.31	1.15	1.09	.54	.92	2.47
28	1.15	1.15	1.33	2.32	1.68	1.83	1.98	1.36	.90	.32	.74	2.70
29	.94	1.64	.68	1.75	---	1.77	2.60	1.47	.72	.28	.78	2.33
30	1.00	1.31	-.15	1.23	---	1.92	2.78	1.29	.29	.07	.97	1.83
31	1.39	---	-.76	1.21	---	2.08	---	.99	---	-.09	1.11	---
MEAN	1.52	.92	.58	2.40	1.48	1.59	1.16	---	.57	.25	1.05	2.72
MAX	2.85	2.08	1.62	4.14	2.71	3.05	2.78	---	1.45	.85	2.14	4.90
MIN	.06	-.15	-.76	-.44	.22	.34	-.11	---	-.50	-.25	-.05	1.50

MISSISSIPPI RIVER DELTA
073802220 PANAMA CANAL AT STATE HIGHWAY 44 NEAR GONZALES, LA

LOCATION.--Lat 30°10'14", long 90°55'07", in sec. 12, T. 10 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070204, located on downstream side of bridge on State Highway 44, 1.0 mi east of Interstate 10 near Gonzales.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--December 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Stage affected by wind and tide. Raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.10 ft, Sep. 12, 1998; minimum elevation, -1.00 ft, Dec. 31, 1997, Jan. 1, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period December to September, 8.10 ft, Sept. 12; minimum elevation, -1.00 ft, Dec. 31, Jan. 1.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR DECEMBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				-.81	1.58	1.02	1.52	1.80	.15	-.56	-.44	1.01
2				-.05	1.71	.45	1.43	1.67	-.44	-.29	.04	1.30
3				.35	1.80	-.24	1.34	1.43	-.60	-.04	.76	1.47
4				.63	1.74	-.23	.91	.85	-.27	-.12	.96	1.58
5				5.25	1.52	.29	.60	.72	-.08	-.37	.92	1.48
6				5.66	.94	.72	.63	1.09	.23	-.29	.92	1.49
7				6.75	.46	2.27	.86	1.00	.41	-.06	.95	1.43
8				4.61	.14	4.70	.93	.50	.73	-.04	.95	1.34
9				2.91	.11	2.52	.48	.68	.95	-.38	.83	1.30
10				2.49	.61	2.09	-.32	.60	.85	-.71	.66	1.82
11				2.28	1.81	1.96	-.49	.08	.72	-.62	.38	3.53
12				4.53	.94	1.80	-.22	.30	.32	-.53	.21	7.21
13				5.98	.59	1.55	.54	.58	-.15	-.47	.22	6.52
14				5.31	.61	1.17	.83	.77	-.70	-.25	.07	4.63
15				5.47	1.58	.81	.75	.74	-.90	-.32	-.05	3.71
16				3.91	2.88	.86	.99	.53	-.60	-.62	.09	3.60
17			-.32	3.06	3.11	3.22	1.10	.19	.00	-.56	.19	3.47
18			-.60	2.76	2.03	2.18	1.19	.32	.31	-.26	.25	3.33
19			-.38	2.54	1.81	2.03	1.18	.50	-.05	-.06	.38	3.20
20			-.20	2.34	1.65	1.86	1.01	.55	-.27	.03	---	3.12
21			.35	2.16	1.40	1.75	.86	.28	.00	.25	1.10	2.99
22			.54	5.04	3.08	1.55	.10	-.17	.18	.43	1.32	2.95
23			.99	4.08	2.17	1.17	-.44	-.18	.21	.38	1.43	2.80
24			1.65	2.62	1.59	.77	-.26	.03	.20	.33	1.36	2.55
25			.97	2.29	1.24	.65	-.02	.27	.47	.26	1.18	2.36
26			.84	4.09	1.21	.91	.50	.51	.72	.25	.75	2.22
27			1.55	3.86	1.27	1.14	.86	.69	.64	.07	.52	2.14
28			.67	2.50	1.15	1.33	1.51	.88	.45	-.15	.35	2.14
29			-.22	2.17	---	1.31	1.67	1.00	.23	-.17	.35	2.15
30			-.96	1.96	---	1.38	1.80	.89	-.23	-.45	.54	2.06
31			-.99	1.70	---	1.48	---	.58	---	-.49	.68	---
MEAN			---	3.18	1.45	1.43	.73	.63	.12	-.19	---	2.70
MAX			---	6.75	3.11	4.70	1.80	1.80	.95	.43	---	7.21
MIN			---	-.81	.11	-.24	-.49	-.18	-.90	-.71	---	1.01

MISSISSIPPI RIVER DELTA

0738022295 GRAND GOUDINE BAYOU AT STATE HIGHWAY 934 NEAR GONZALES, LA

LOCATION.--Lat 30°15'43", long 90°57'48", in sec. 13, T. 9 S., R. 2 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on State Highway 934 (Babin Road), 1.3 mi northwest of WSLG radio towers.

DRAINAGE AREA.--Approximately 5.9 mi².

PERIOD OF RECORD.--January to September 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Stage affected by wind and tide. Raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 9.57 ft, Sep. 12, 1998; minimum recorded elevation, 2.21 ft, Mar. 7, 8, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period January to September, 9.57 ft, Sep. 12; minimum recorded elevation, 2.21 ft, Mar. 7, 8.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR JANUARY 1998 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					3.17	3.12	---	2.97	---	---	---	3.06
2					3.78	3.06	---	3.01	---	---	---	3.14
3					3.44	3.02	---	2.97	---	---	---	3.11
4					3.25	3.03	---	2.90	---	---	---	3.09
5					3.19	3.01	---	2.89	---	---	---	3.06
6					3.14	3.13	---	2.89	---	---	---	3.05
7					3.12	4.98	---	2.89	---	---	---	3.07
8					3.10	4.93	---	2.88	---	---	---	3.10
9					3.09	4.40	---	2.90	---	---	---	3.09
10					3.21	3.27	---	2.91	---	---	---	3.88
11					3.63	3.16	---	2.92	---	---	---	5.91
12					3.29	3.08	---	2.92	---	---	---	8.65
13					3.18	3.04	---	2.93	---	---	---	8.11
14					3.13	3.02	---	2.93	---	---	---	5.89
15					3.67	3.01	---	2.93	---	---	---	3.62
16					4.63	3.15	---	2.93	---	---	---	3.28
17					4.99	5.86	2.91	2.92	---	---	---	3.16
18					3.52	3.74	2.91	2.93	---	---	---	3.10
19					3.24	---	2.93	2.93	---	---	---	3.08
20				3.10	3.16	---	2.91	2.94	---	---	3.06	3.09
21				3.09	3.12	---	2.88	2.93	---	---	3.07	3.08
22				6.13	4.84	---	2.89	2.92	---	---	3.10	3.06
23				4.97	3.84	---	2.90	2.92	---	---	3.11	3.11
24				3.43	3.29	---	2.91	2.92	---	---	3.09	3.14
25				3.23	3.18	---	2.92	2.92	---	---	3.07	3.06
26				4.80	3.44	---	2.92	2.91	---	---	3.06	3.04
27				4.97	3.48	---	2.90	2.91	---	---	3.04	3.04
28				3.51	3.23	---	2.59	2.91	---	---	3.03	3.00
29				3.28	---	---	2.72	2.90	---	---	3.01	2.98
30				3.21	---	---	3.06	---	---	---	2.99	2.97
31				3.18	---	---	---	---	---	---	2.98	---
MEAN				---	3.48	---	---	---	---	---	---	3.67
MAX				---	4.99	---	---	---	---	---	---	8.65
MIN				---	3.09	---	---	---	---	---	---	2.97

MISSISSIPPI RIVER DELTA

0738022395 BLACK BAYOU AT STATE HIGHWAY 621 NEAR PRAIRIEVILLE, LA

LOCATION.--Lat 30°16'10", long 90°55'01", in sec. 3, T. 9 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on State Highway 621, 1.7 mi from the intersection of State Highway 61 and State Highway 44 in Gonzales.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Stage affected by wind and tide. Raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 9.38 ft, Sep. 12, 1998.Apr; minimum elevation, -0.10 ft, Aug. 11, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period November to September, 9.38 ft, Sep 12; minimum elevation, -0.10 ft, Aug. 11.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR NOVEMBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			.60	.41	1.05	.68	1.60	1.92	.56	.57	.57	1.16
2			.69	.40	1.67	.38	1.49	1.51	.57	.56	.57	.63
3			.80	.44	1.62	.36	1.31	.77	.57	.56	.88	1.27
4			.59	.62	1.32	.35	.72	.61	.56	.56	1.15	1.83
5			.59	5.48	.50	.36	.66	.97	.55	.56	1.11	1.64
6			.57	4.43	.24	.86	.70	1.17	.56	.56	1.11	1.59
7			.56	6.22	.24	5.14	.95	.83	.62	.56	1.13	1.56
8			.83	3.41	.21	4.38	1.00	.63	.90	.56	1.12	1.43
9			.66	1.71	.20	2.56	.66	.86	1.19	.56	1.00	1.47
10			.63	1.80	.55	1.97	.61	.59	.94	.56	1.01	2.72
11			.56	1.53	1.32	1.63	.60	.57	.77	.56	.92	5.21
12			.54	4.43	.31	1.00	.60	.62	.65	.56	.58	8.18
13			.53	4.38	.30	.46	.76	.77	.62	.56	.56	6.27
14			.52	3.05	.43	.46	.95	.86	.61	.64	.55	4.47
15			.51	4.05	1.73	.46	.91	.76	.60	.57	.57	1.91
16			.50	2.35	3.07	.81	1.19	.59	.60	.56	.55	1.31
17			.49	1.73	3.04	4.48	1.24	.58	.60	.56	.55	.97
18			.48	1.66	1.80	2.14	1.35	.63	.60	.56	.55	.80
19			.47	1.26	1.44	1.98	1.27	.69	.60	.56	.60	1.13
20			.46	.84	1.02	1.82	1.10	.61	.59	.56	.80	1.05
21			.50	1.03	.65	1.51	.92	.57	.59	.57	1.36	1.16
22			.52	4.17	3.03	.81	.63	.55	.58	.63	1.68	1.42
23			1.35	2.20	1.43	.51	.62	.55	.58	.63	1.72	1.23
24			2.34	1.57	.48	.52	.61	.56	.59	.61	1.50	1.08
25			.74	1.54	.49	.58	.60	.66	.69	.59	1.26	1.32
26		.66	1.42	3.29	1.34	.95	.88	.80	.87	.59	.76	1.40
27		.61	3.26	2.76	1.07	1.24	1.70	1.02	.77	.58	.67	.97
28		.87	.59	1.72	.89	1.44	2.31	1.14	.67	.57	.60	.62
29		1.55	.45	1.21	---	1.39	2.12	.94	.61	.57	.65	.59
30		1.00	.43	.61	---	1.54	2.09	.71	.58	.57	.73	.64
31		---	.42	.56	---	1.66	---	.57	---	.57	.84	---
MEAN		---	.76	2.29	1.12	1.43	1.07	.79	.66	.57	.89	1.90
MAX		---	3.26	6.22	3.07	5.14	2.31	1.92	1.19	.64	1.72	8.18
MIN		---	.42	.40	.20	.35	.60	.55	.55	.56	.55	.59

MISSISSIPPI RIVER DELTA
073802245 BLACK BAYOU EAST OF GONZALES, LA

LOCATION.--Lat 30°14'25", long 90°52'38", in sec. 26, T. 9 S., R. 3E. Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on Churchpoint Rd, approximately 2.2 mi north of Hwy. 61 in Gonzales.

DRAINAGE AREA.--Less than 18.30 sq. mi.

PERIOD OF RECORD.--May 1997 to current year.

REVISED RECORDS.--WDR-LA-1998: 1997: Extremes for Period of Record.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to October 1997 datum of gage was 0.65 sea level.

REMARKS.--Stage affected by wind and tide. Satellite telemetry and raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.34 ft, revised, June 18, 1997; minimum elevation, -1.68 ft, revised, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.34 ft, Sept. 12; minimum elevation, -1.68 ft, Dec. 31.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.33	1.19	.45	-.87	1.38	.92	1.63	2.02	.22	-.47	-.41	1.10
2	.18	.63	.56	.00	1.93	.15	1.52	1.73	-.36	-.25	-.04	.15
3	.39	-.27	.79	.39	2.00	-.52	1.34	1.10	-.51	.00	.80	1.09
4	.70	-.48	.40	.70	1.70	-.16	.62	.36	-.16	-.02	1.09	1.79
5	1.18	-.13	-.02	3.69	.78	.37	.60	.73	.01	-.28	1.04	1.59
6	1.29	.06	-.30	3.57	.09	1.00	.67	1.15	.32	-.27	1.04	1.55
7	1.63	-.31	-.14	4.71	.01	3.43	.93	1.03	.52	-.03	1.05	1.51
8	1.85	-.53	.66	3.19	-.16	4.14	.99	.48	.86	.05	1.06	1.39
9	1.94	-.26	.63	1.87	.08	2.68	.43	.75	1.09	-.23	.93	1.41
10	2.05	-.02	.60	1.98	.64	2.16	-.40	.60	.94	-.64	.82	2.00
11	2.14	.37	.28	1.70	1.38	1.80	-.45	.12	.72	-.58	.57	3.48
12	2.23	1.90	.28	2.78	.53	1.15	-.16	.36	.46	-.48	.31	5.59
13	2.42	1.78	-.01	3.63	.49	.49	.62	.66	.02	-.41	.26	5.72
14	2.37	1.33	-.39	2.70	.67	.39	.90	.85	-.52	-.13	.11	4.00
15	2.03	.83	---	3.00	1.57	.36	.84	.81	-.91	-.21	.02	1.69
16	1.68	.39	---	2.51	2.62	.74	1.12	.59	-.64	-.49	.17	1.25
17	1.33	.39	-.76	1.94	3.01	3.14	1.20	.26	-.01	-.54	.26	.91
18	1.06	.49	-.59	1.91	2.08	2.21	1.31	.40	.39	-.26	.31	.71
19	.80	.80	-.35	1.52	1.72	2.09	1.25	.57	.14	-.02	.45	1.07
20	.56	.73	-.16	1.11	1.31	1.94	1.06	.64	---	.07	.75	.98
21	.36	.87	.41	1.23	.91	1.62	.89	.35	.00	.28	1.30	1.10
22	.28	.89	.54	2.69	2.39	.89	.09	-.09	.23	.50	1.62	1.37
23	.59	.72	1.00	2.23	1.63	.38	-.40	-.09	.28	.47	1.67	1.20
24	1.34	.75	1.65	1.86	.70	.35	-.19	.12	.30	.44	1.46	1.02
25	1.21	.68	.80	1.83	.67	.56	.07	.36	.51	.33	1.22	1.27
26	1.20	.54	.96	2.76	1.27	1.01	.60	.60	.79	.34	.70	1.36
27	.66	.38	2.31	2.89	1.26	1.29	.97	.79	.75	.18	.58	.57
28	.75	.78	.56	2.04	1.12	1.49	2.08	1.00	.56	-.04	.41	-.24
29	.57	1.39	-.55	1.54	---	1.44	2.00	1.12	.39	-.10	.43	.11
30	.61	.98	-1.37	.94	---	1.57	2.15	.95	-.07	-.29	.62	.45
31	.98	---	-1.44	.89	---	1.70	---	.64	---	-.46	.76	---
MEAN	1.16	.56	---	2.03	1.21	1.32	.81	.68	---	-.11	.69	1.57
MAX	2.42	1.90	---	4.71	3.01	4.14	2.15	2.02	---	.50	1.67	5.72
MIN	-.33	-.53	---	-.87	-.16	-.52	-.45	-.09	---	-.64	-.41	-.24

MISSISSIPPI RIVER DELTA
073802273 BAYOU FRANCOIS AT HIGHWAY 61 NEAR GONZALES, LA

LOCATION.--Lat 30°13'38", long 90°53'58", in sec. 27, T. 9 S., R. 33 E. Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on Highway 61, 1.7 mi from the intersection of Highway 61 and Highway 44 in Gonzales.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Stage affected by wind and tide. Satellite telemetry with raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.72 ft, Sept. 12, 1998; minimum, -1.71 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.72 ft, Sept. 12.; minimum, -1.71 ft, Dec. 31.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.04	.36	-.89	1.32	.83	1.57	1.97	.19	-.52	-.29	1.13
2	.21	.52	.49	-.03	1.85	.05	1.46	1.67	-.38	-.30	.08	.15
3	.30	---	.71	.36	1.92	-.60	1.27	1.04	-.52	-.06	.92	1.17
4	.61	---	.30	.66	1.59	-.22	.56	.32	-.18	-.08	1.20	1.81
5	1.07	.01	-.10	3.43	.66	.31	.56	.69	.00	-.34	1.14	1.62
6	1.17	.05	-.38	2.94	-.01	.94	.63	1.11	.31	-.32	1.14	1.57
7	1.49	-.44	-.19	4.15	-.09	3.41	.88	.98	.51	-.09	1.15	1.52
8	1.72	-.60	.56	2.61	-.25	3.71	.94	.43	.85	.00	1.15	1.40
9	1.82	-.31	.53	1.89	.01	2.53	.37	.72	1.07	-.30	1.02	1.42
10	1.93	-.07	.50	1.94	.55	2.06	-.46	.54	.93	-.71	.86	2.02
11	2.02	.32	.19	1.58	1.13	1.71	-.49	.09	.70	-.64	.59	2.69
12	2.13	1.46	.19	2.59	.45	1.07	-.19	.33	.44	-.55	.36	4.86
13	2.29	1.60	-.11	3.16	.40	.42	.59	.63	.00	-.48	.35	3.84
14	2.21	1.24	-.49	2.37	.60	.33	.86	.82	-.56	-.27	.19	1.87
15	1.89	.74	-.75	2.83	1.46	.32	.80	.77	-.95	-.28	.08	.68
16	1.55	.31	-.73	2.53	2.53	.69	1.07	.55	-.65	-.57	.24	1.17
17	1.20	.33	-.77	1.79	2.68	2.64	1.15	.22	-.03	-.61	.33	.88
18	.93	.43	-.59	1.84	1.98	2.09	1.26	.37	.36	-.33	.38	.72
19	.69	.70	-.36	1.43	1.64	2.03	1.20	.56	.10	-.10	.52	1.06
20	.46	.67	-.17	1.04	1.22	1.86	1.01	.60	-.23	-.01	.83	.91
21	.26	.73	.38	1.11	.85	1.54	.83	.31	-.02	.21	1.37	1.08
22	.19	.76	.51	2.39	2.15	.82	.03	-.12	.21	.41	1.69	1.34
23	.53	.65	.85	1.84	1.51	.32	-.45	-.12	.26	.38	1.73	1.13
24	1.10	.69	1.36	1.80	.63	.29	-.24	.09	.25	.41	1.51	.99
25	1.13	.61	.76	1.77	.61	.50	.03	.33	.48	.32	1.27	1.25
26	1.11	.45	.88	2.79	1.10	.96	.57	.57	.77	.35	.74	1.32
27	.56	.32	1.54	2.72	1.15	1.24	.94	.76	.71	.22	.64	.44
28	.69	.74	.49	1.94	1.05	1.43	1.74	.98	.52	.03	.45	-.33
29	.49	1.26	-.62	1.43	---	1.38	1.96	1.09	.34	.00	.47	.04
30	.55	.88	1.41	.84	---	1.52	2.11	.92	-.13	-.17	.66	.39
31	.93	---	1.48	.81	---	1.64	---	.61	---	-.32	.80	---
MEAN	---	---	.08	1.86	1.10	1.22	.75	.64	.18	-.15	.76	1.34
MAX	---	---	1.54	4.15	2.68	3.71	2.11	1.97	1.07	.41	1.73	4.86
MIN	---	---	-1.48	-.89	-.25	-.60	-.49	-.12	-.95	-.71	-.29	-.33

MISSISSIPPI RIVER DELTA

073802282 NEW RIVER CANAL NEAR SORRENTO, LA

LOCATION.--Lat 30°11'21", long 90°47'10", in sec. 10, T. 10 S., R. 4 E. Ascension Parish, Hydrologic Unit 08070204, located on the inside and outside of pumping station, on gravel road to the Sorrento Gas & Oil Field, 3.6 miles south of Sorrento and 3.4 miles from Hwy. 61.

DRAINAGE AREA.--93.86 sq. mi.

PERIOD OF RECORD.--April 1997 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Stage affected by wind and tide. Satellite telemetry and raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum inside elevation, 4.67 ft, Sept. 13, 1998; minimum inside, -1.66 ft, Dec. 31, 1997; maximum outside elevation, 4.77 ft, Sept. 13, 1998; minimum outside, -1.68 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum inside elevation, 4.67 ft, Sept. 13; minimum inside, -1.66 ft, Dec. 31; maximum outside elevation, 4.77 ft, Sept. 13; minimum outside, -1.68 ft, Dec. 31.

INSIDE ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.33	1.11	.44	-.87	1.32	.95	1.66	2.05	.22	-.46	-.40	1.00
2	.16	.61	.54	.00	1.84	.19	1.55	1.75	-.36	-.27	-.03	.07
3	.37	-.25	.79	.39	---	-.49	1.37	1.11	-.52	-.02	.79	1.20
4	.67	-.45	.40	.69	---	-.16	.67	.38	-.17	-.02	1.09	1.80
5	1.13	-.10	-.02	1.34	---	.39	.65	.72	.00	-.27	1.04	1.60
6	1.22	.11	-.29	.40	---	.89	.70	1.16	.32	-.27	1.03	1.55
7	1.55	-.27	-.13	.13	---	1.71	.96	1.04	.50	-.03	1.06	1.50
8	1.78	-.51	.60	.28	---	1.48	1.03	.49	.84	.06	1.07	1.39
9	1.88	-.24	.61	1.82	---	2.40	.49	.76	1.08	-.22	.94	1.39
10	1.99	.01	.60	1.98	---	2.16	-.34	.62	.93	-.62	.77	1.82
11	2.08	.39	.28	1.51	---	1.81	-.41	.13	.72	-.55	.49	1.19
12	2.18	1.27	.28	.60	---	1.17	-.14	.37	.46	-.47	.28	1.62
13	2.34	1.67	-.01	.06	---	.51	.65	.66	.03	-.40	.27	.54
14	2.29	1.34	-.39	.02	---	.42	.94	.85	-.52	-.22	.11	-.36
15	1.97	.83	-.67	.87	1.41	.38	.86	.81	-.91	-.22	.01	.33
16	1.64	.40	-.67	2.28	2.18	.72	1.14	.59	-.64	-.48	.17	1.04
17	1.30	.40	-.70	1.65	2.28	1.83	1.22	.26	-.02	-.54	.26	.81
18	1.02	.48	-.53	1.88	2.04	2.09	1.34	.40	.38	-.27	.32	.68
19	.77	.75	-.32	1.48	1.73	2.13	1.28	.60	.13	-.03	.45	1.05
20	.53	.73	-.14	1.07	1.33	2.00	1.08	.64	-.20	.07	.75	.90
21	.34	.81	.42	1.00	.91	1.66	.92	.35	.00	.28	1.31	1.08
22	.27	.85	.57	-.26	1.61	.93	.13	-.09	.23	.50	1.63	1.36
23	.58	.73	.78	.82	1.42	.42	-.36	-.09	.27	.47	1.68	1.09
24	1.15	.76	1.20	1.85	.70	.38	-.18	.11	.26	.40	1.47	1.00
25	1.20	.68	.81	1.81	.66	.57	.08	.35	.49	.33	1.23	1.24
26	1.20	.54	.83	2.01	1.15	1.01	.61	.60	.78	.35	.71	1.33
27	.66	.38	1.14	2.19	1.23	1.30	.98	.78	.73	.18	.59	.42
28	.76	.75	.49	1.94	1.15	1.51	1.61	.99	.55	-.03	.42	-.20
29	.57	1.27	-.53	1.52	---	1.45	2.01	1.11	.38	-.09	.43	.11
30	.61	.97	1.35	.86	---	1.58	2.19	.95	-.07	-.28	.62	.44
31	1.00	---	1.43	---	---	1.72	---	.64	---	-.45	.76	---
MEAN	1.13	.53	.12	---	---	1.13	.82	.68	.20	-.12	.69	.97
MAX	2.34	1.67	1.20	---	---	2.40	2.19	2.05	1.08	.50	1.68	1.82
MIN	-.33	-.51	1.43	---	---	-.49	-.41	-.09	-.91	-.62	-.40	-.36

MISSISSIPPI RIVER DELTA

073802282 NEW RIVER CANAL NEAR SORRENTO, LA--Continued

OUTSIDE ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.32	1.10	.42	-.89	1.29	.92	1.63	2.04	.23	-.47	-.41	1.21
2	.17	.60	.52	-.02	1.81	.16	1.52	1.74	-.35	-.27	-.04	1.63
3	.38	-.26	.76	.37	---	-.52	1.35	1.11	-.51	-.02	.79	1.72
4	.68	-.46	.37	.67	---	-.18	.65	.38	-.16	-.02	1.09	1.81
5	1.14	-.11	-.05	1.89	---	.36	.62	.72	.02	-.27	1.04	1.60
6	1.24	.10	-.32	2.28	---	.86	.67	1.16	.33	-.27	1.04	1.56
7	1.56	-.28	-.16	2.77	---	1.91	.93	1.04	.51	-.03	1.05	1.51
8	1.79	-.53	.57	2.53	---	2.85	1.00	.49	.86	.06	1.06	1.40
9	1.89	-.25	.58	2.14	---	2.35	.46	.75	1.09	-.22	.93	1.40
10	2.01	.00	.57	2.12	---	2.13	-.37	.62	.94	-.62	.76	1.89
11	2.10	.38	.25	2.27	---	1.78	-.44	.13	.72	-.55	.49	2.96
12	2.20	1.26	.24	2.66	---	1.14	-.16	.37	.46	-.47	.27	4.05
13	2.35	1.66	-.05	2.93	---	.48	.63	.66	.03	-.40	.25	4.50
14	2.30	1.33	-.42	2.83	---	.39	.91	.85	-.52	-.22	.10	4.26
15	1.98	.82	-.71	2.83	1.53	.35	.83	.81	-.91	-.22	.00	3.83
16	1.65	.38	-.69	2.53	2.07	.80	1.13	.60	-.63	-.48	.16	3.53
17	1.30	.38	-.72	2.48	2.25	1.77	1.22	.27	-.02	-.54	.26	3.26
18	1.03	.47	-.56	1.87	2.01	2.06	1.33	.41	.38	-.27	.31	3.07
19	.78	.73	-.34	1.40	1.70	2.10	1.28	.60	.13	-.03	.45	2.93
20	.54	.72	-.16	1.05	1.30	1.98	1.07	.65	-.21	.07	.76	2.87
21	.34	.79	.40	1.51	.88	1.63	.91	.36	.00	.28	1.31	2.70
22	.26	.83	.55	2.22	1.58	.90	.13	-.08	.23	.50	1.64	2.32
23	.58	.71	.76	2.11	1.39	.39	-.37	-.09	.28	.47	1.69	1.94
24	1.15	.74	1.18	1.84	.67	.35	-.18	.12	.27	.40	1.48	1.64
25	1.19	.66	.79	1.78	.62	.54	.07	.36	.49	.33	1.23	1.87
26	1.20	.52	.81	1.98	1.13	.99	.60	.61	.79	.34	.71	2.08
27	.65	.36	1.12	2.15	1.20	1.27	.97	.79	.74	.17	.58	2.19
28	.75	.74	.47	1.91	1.12	1.49	1.61	1.01	.56	-.04	.41	2.36
29	.56	1.25	-.55	1.49	---	1.43	2.01	1.13	.39	-.10	.42	2.12
30	.60	.95	-1.38	.83	---	1.55	2.19	.96	-.07	-.29	.62	1.66
31	.99	---	-1.45	---	---	1.70	---	.65	---	-.46	.76	---
MEAN	1.13	.52	.09	---	---	1.16	.81	.68	.20	-.12	.68	2.40
MAX	2.35	1.66	1.18	---	---	2.85	2.19	2.04	1.09	.50	1.69	4.50
MIN	-.32	-.53	-1.45	---	---	-.52	-.44	-.09	-.91	-.62	-.41	1.21

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA

LOCATION.-- Lat. 30°09'59", long 89°43'03", sec. 37, T. 10 S, R. 15 E, St. Tammany Parish, Hydrologic Unit 08090201, on the east side of U.S. Coast Guard Navigational Aid No. 4 structure, located on the north side of Bayou Rigolets and 0.8 miles east of U.S. Hwy 90 bridge over Bayou Rigolets and 9.0 mi. southeast of Slidell.

DRAINAGE AREA.-- Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.-- July 1992 to current year.

GAGE.-- Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.-- Stage affected by wind and tide. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum elevation, 5.35 ft, Oct. 6, 1996; minimum recorded, -4.91 ft, Aug. 26, 1992.

EXTREMES FOR CURRENT YEAR.-- Maximum elevation, 4.39 ft, Feb. 15; minimum, -1.75 ft, Dec. 31.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	.26	-.24	.08	1.64	.86	1.24	1.06	-.12	.40	.01	-.79	-.48
2	.83	.26	.61	1.35	.24	.67	.96	.18	.57	.39	-.35	.09
3	.96	.32	.62	.93	-.55	.03	1.22	.32	.80	.66	.16	.44
4	1.38	.69	1.02	.26	-.54	-.07	1.25	-.15	.54	1.02	.62	.76
5	1.62	.90	1.28	.62	-.05	.30	.68	-.40	.06	1.59	.93	1.22
6	1.78	1.13	1.46	.86	-.35	.28	.21	-.52	-.13	1.50	.65	1.04
7	2.01	1.42	1.78	.40	-.54	-.07	.56	-.06	.06	2.18	1.25	1.67
8	2.19	1.60	1.96	.06	-.44	-.14	1.27	.27	.82	1.38	.03	.48
9	2.33	1.71	2.07	.36	-.15	.13	1.29	.36	.74	.59	-.59	-.07
10	2.41	1.89	2.18	.63	.24	.41	1.29	.17	.65	.84	-.30	.26
11	2.29	2.02	2.14	.94	.39	.66	.83	.04	.47	.97	-.08	.48
12	2.68	2.18	2.46	2.05	.93	1.48	.77	-.14	.33	1.42	.51	.91
13	2.64	1.63	2.40	2.05	1.24	1.66	.71	-.41	.15	1.50	.53	1.00
14	1.85	1.37	1.62	1.87	.29	.88	.47	-.79	-.31	1.87	.82	1.35
15	1.84	1.37	1.57	1.15	.10	.58	-.04	-.99	-.47	1.66	.73	1.23
16	1.43	1.02	1.28	.86	-.17	.26	-.02	-1.05	-.52	.73	-.29	.08
17	1.52	.75	1.16	.73	.01	.61	-.08	-.94	-.45	.29	-.43	-.07
18	1.41	.42	.92	.81	.00	.41	.08	-.68	-.25	---	---	---
19	1.14	.18	.69	1.14	.23	.70	.19	-.58	-.15	---	---	---
20	.96	-.03	.52	1.17	.64	.90	.28	-.40	.01	---	---	---
21	.92	-.03	.50	1.23	.60	.93	.97	.28	.71	1.76	.91	1.34
22	.79	.12	.50	1.12	.36	.72	.87	.33	.61	2.08	1.40	1.76
23	1.35	.60	.92	.94	.31	.67	1.31	.43	.77	1.91	.82	1.23
24	1.99	.83	1.33	.90	.63	.78	1.74	.45	.95	1.42	.30	.80
25	1.72	1.24	1.51	.88	.27	.56	1.09	.03	.53	1.17	.34	.66
26	1.93	.91	1.46	.90	.18	.50	1.52	.36	.80	2.16	.48	1.16
27	1.14	.61	.89	1.10	.07	.55	1.52	-.21	.36	2.16	.32	1.04
28	1.09	.67	.87	1.47	.35	.81	.99	-.32	.21	1.12	.02	.48
29	.89	.30	.62	1.83	.96	1.40	.60	-1.51	-.65	.72	-.19	.33
30	1.25	.38	.77	1.91	.09	.85	-.64	-1.66	-1.14	.81	.01	.43
31	1.54	.96	1.25	---	---	---	-.64	-1.75	-1.23	1.11	.56	.85
MONTH	2.68	-.24	1.24	2.05	-.55	.62	1.74	-1.75	.17	---	---	---

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.72	1.07	1.32	.72	.12	.46	1.78	.81	1.36	1.72	.86	1.26
2	2.75	1.40	2.50	.15	-.63	-.09	1.59	.87	1.31	1.07	.39	.77
3	2.68	.86	1.72	.18	-.99	-.33	1.29	.63	.96	.94	.18	.53
4	.86	-.10	.21	.67	-.47	.10	.85	-.18	.42	.81	-.07	.42
5	.42	-.52	-.06	1.07	.03	.59	1.03	.24	.69	1.08	.50	.79
6	.56	-.28	.16	1.52	.45	.93	1.10	.13	.58	1.40	1.02	1.20
7	.38	-.40	.01	3.30	1.22	1.88	1.18	.53	.93	1.32	.60	1.04
8	.25	-.54	-.13	3.63	1.78	2.39	1.28	.84	1.12	.92	.49	.67
9	.72	-.57	.03	1.78	.27	.75	1.28	-.22	.45	1.50	.53	1.05
10	1.76	.14	.68	.84	-.08	.15	.24	-.79	-.20	.98	.06	.59
11	1.76	.05	.74	.27	-.15	.06	.32	-.79	-.12	.97	-.07	.46
12	.82	-.03	.44	.37	-.22	.07	.43	-.42	.04	.95	.05	.58
13	.77	.11	.46	.35	.05	.21	1.21	.12	.72	1.02	.19	.69
14	1.10	.33	.66	.34	-.05	.18	1.29	.38	.94	1.20	.31	.82
15	4.39	1.10	1.86	.46	.14	.30	1.40	.27	.94	1.21	.23	.79
16	3.49	2.01	2.46	1.43	.14	.72	1.71	.86	1.33	1.02	.14	.59
17	2.87	.53	1.46	2.48	1.43	2.06	1.63	.77	1.23	1.01	-.05	.51
18	.84	.01	.39	2.37	1.62	1.92	1.90	.85	1.37	1.11	.07	.66
19	.92	.01	.43	2.05	1.47	1.79	1.51	.99	1.23	---	---	---
20	.69	.00	.40	1.61	.41	.85	1.39	.60	1.04	1.05	.41	.79
21	.93	-.20	.38	.62	-.38	.22	1.03	.38	.71	.71	.13	.44
22	2.33	.61	1.25	.80	.03	.47	.59	-.18	.07	.52	-.16	.18
23	.76	-.44	.10	.76	-.29	.29	.14	-.17	-.04	.61	-.17	.26
24	.50	-.40	.08	.72	-.25	.26	.32	-.14	.09	.79	-.14	.38
25	1.05	-.36	.26	.98	.01	.49	.50	-.08	.22	1.05	-.08	.61
26	1.72	.75	1.25	1.12	.57	.88	1.10	.01	.69	1.29	.14	.83
27	1.52	.65	1.05	1.58	.96	1.27	1.37	.43	1.03	1.46	.33	.99
28	1.30	.71	1.07	1.66	1.05	1.37	2.52	.76	1.57	1.55	.61	1.14
29	---	---	---	1.59	1.07	1.40	2.80	1.29	1.97	---	---	---
30	---	---	---	1.78	1.07	1.50	2.62	1.31	1.99	---	---	---
31	---	---	---	2.32	1.34	1.79	---	---	---	---	---	---
MONTH	4.39	-.57	.76	3.63	-.99	.80	2.80	-.79	.82	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	.03	-.31	-.15	.41	-.45	.13	1.66	.81	1.31
2	---	---	---	.43	-.33	.05	.78	-.03	.54	2.80	1.52	2.29
3	---	---	---	.47	-.18	.18	1.37	.65	1.08	2.74	1.58	2.39
4	---	---	---	.52	-.17	.20	1.63	.75	1.24	1.87	.86	1.49
5	---	---	---	.32	-.60	-.05	1.48	.73	1.16	1.73	.86	1.35
6	---	---	---	.54	-.47	.16	1.42	.68	1.11	1.81	.96	1.32
7	---	---	---	.78	-.47	.32	1.64	.74	1.25	1.62	1.11	1.34
8	---	---	---	.62	-.36	.23	1.64	.80	1.23	1.55	1.06	1.27
9	---	---	---	.36	-.51	-.04	1.32	.65	1.03	1.93	1.18	1.39
10	---	---	---	.19	-.78	-.20	1.04	.47	.77	---	---	---
11	---	---	---	.31	-.88	-.12	.85	.34	.56	---	---	---
12	---	---	---	.34	-.55	-.03	.73	.28	.49	---	---	---
13	---	---	---	.33	-.39	-.04	.75	.00	.40	---	---	---
14	---	---	---	.88	-.22	.14	.80	-.17	.37	---	---	---
15	---	---	---	.41	-.21	.11	.73	-.54	.34	---	---	---
16	---	---	---	.12	-.45	-.18	.82	-.02	.42	---	---	---
17	---	---	---	.10	-.45	-.15	.80	-.11	.44	---	---	---
18	---	---	---	.53	-.42	.08	.94	.02	.56	---	---	---
19	---	---	---	.65	-.32	.24	1.06	.10	.70	---	---	---
20	---	---	---	.78	-.32	.34	---	---	---	---	---	---
21	---	---	---	.94	-.06	.52	2.24	1.07	1.74	---	---	---
22	---	---	---	1.06	.12	.62	2.18	1.60	1.90	---	---	---
23	.82	-.20	.38	1.20	.12	.62	1.82	1.20	1.58	---	---	---
24	.84	-.28	.40	1.09	.05	.48	1.57	1.04	1.38	---	---	---
25	1.06	-.13	.48	.85	.01	.51	1.21	.93	1.06	---	---	---
26	.95	-.13	.49	.78	.01	.40	.95	.47	.75	---	---	---
27	1.01	.07	.57	.63	-.03	.37	.97	.64	.78	---	---	---
28	1.07	.00	.53	.51	-.09	.24	.78	.32	.57	---	---	---
29	.67	.00	.33	.49	-.05	.24	.92	.42	.70	---	---	---
30	.29	-.23	.09	.24	-.16	.07	1.13	.35	.81	---	---	---
31	---	---	---	.26	-.15	.08	1.21	.62	.95	---	---	---
MONTH	---	---	---	1.20	-.88	.17	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA
0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- July 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURE: July 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 37,700 microsiemens, July 30, 1995; minimum daily, 156 microsiemens, Mar. 16, 1998.

WATER TEMPERATURE: Maximum daily, 33.6°C, Aug. 19, 1995; minimum daily, 5.0°C, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 36,500 microsiemens, Sep. 11; minimum daily, 156 microsiemens, Mar. 16.

WATER TEMPERATURE: Maximum daily, 33.2°C, Aug. 28; minimum daily, 8.8°C, Dec. 14 and 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7130	5090	5930	19700	13800	16000	11200	9750	10300	5660	3360	4260
2	17200	7130	12500	14500	10800	12500	9890	7920	9380	3710	3060	3340
3	16900	12700	13900	11900	10500	11200	11700	8120	9880	4900	3710	4300
4	18500	14300	16400	10700	9210	10100	9640	8950	9300	8400	4900	6910
5	23500	18200	19800	10900	8580	10300	9790	9250	9470	11000	7450	9190
6	24900	19500	22200	12400	10000	11200	9560	8520	9110	7450	5930	6470
7	28700	23500	26100	11000	10300	10600	9660	4960	7340	5950	4890	5250
8	29600	23300	27200	11000	9160	10200	12000	4960	8390	5320	5060	5140
9	29600	26000	27900	10300	8620	9750	10100	7010	8500	5060	4210	4980
10	30500	26700	28700	11400	9650	10500	12700	7920	9170	4230	3050	3840
11	28200	26600	27600	17400	11100	13500	8850	7170	8380	3800	2230	3080
12	32500	27600	30000	28300	17400	23500	8610	7170	8210	2850	1450	1890
13	30300	27100	29400	28300	21000	24400	8840	7390	8310	3340	2330	2690
14	27100	14400	17300	23600	12300	15700	8760	8470	8620	4030	1560	2790
15	14500	12500	13700	14500	10400	12400	8660	7430	8200	4700	3350	4150
16	14900	12300	13700	11300	9570	10500	8240	7320	7670	4880	4690	4800
17	14300	13300	13800	11400	9300	10500	7850	6660	7330	4860	4140	4500
18	14200	12800	13600	10900	9660	10400	7430	6000	6550	---	---	---
19	13700	12300	13200	14700	10400	11800	6730	6100	6510	---	---	---
20	13800	11600	12600	14400	10200	12300	7280	6110	6790	---	---	---
21	12400	10400	11900	16300	10400	12600	11700	6870	9970	2230	704	1390
22	12400	10600	11700	11700	10600	11000	12500	10200	11100	1930	1360	1720
23	18300	11100	14500	12700	9470	10900	11900	10700	11400	4550	1730	3160
24	20600	15600	18100	11400	9280	10500	12000	11200	11700	6150	4100	5060
25	19600	16200	17500	10700	9830	10300	11200	9190	10200	6020	1960	5570
26	18900	14300	17800	10400	9390	9910	9190	8760	8980	4460	1200	3270
27	14400	12500	13300	10000	8230	9280	9350	7520	8470	6180	1130	3920
28	14500	12200	13500	12900	8770	11000	7520	6720	7060	6300	5710	5950
29	13400	11600	12400	18500	11700	14600	6760	6560	6640	6000	4920	5850
30	12300	10400	11800	13600	11100	12400	6560	6230	6410	5800	2490	4550
31	18000	11900	15000	---	---	---	6230	5660	5930	5700	1400	2010
MONTH	32500	5090	17500	28300	8230	12300	12700	4960	8560	11000	704	4290

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2820	735	1560	4290	2660	3680	1380	574	998	7620	4940	5480
2	2890	839	2380	4350	3670	4060	1340	820	1040	4950	3830	4230
3	2920	1820	2460	4440	1990	3290	2240	966	1730	4410	3310	3750
4	5400	2310	4110	3000	899	2250	2310	1920	2130	4180	2190	3230
5	5780	1700	4950	2610	942	2140	2240	1520	1940	2670	1110	2370
6	5550	1520	4030	2880	1420	2220	2330	1440	1910	2710	2220	2490
7	5610	2970	4520	10800	1990	4400	2060	993	1550	3220	2580	2820
8	5780	2310	5250	12900	3740	7530	1770	1200	1580	3890	2690	3140
9	4290	1290	3150	3890	2570	3110	2800	1700	2400	3700	2120	2950
10	2630	1330	1980	3110	2460	2800	2960	2550	2790	3530	2730	3150
11	2870	1670	2280	3490	2590	2940	2880	1970	2450	3710	2680	3330
12	2800	1630	2520	3930	3100	3570	2850	1490	2320	3810	2800	3250
13	2950	1390	2160	3330	1560	3000	3230	1630	2310	3560	2640	3180
14	2580	1080	1750	3320	2350	2980	3180	2490	2870	3650	2780	3290
15	19000	1080	7060	3250	715	2340	4650	2350	3030	3460	2950	3260
16	19500	8210	11300	2110	156	1120	6380	3220	4210	4070	3180	3540
17	8720	4700	6530	2310	854	1620	8570	4090	5090	4230	3330	3870
18	5050	3330	4010	2000	1270	1690	9390	5390	6880	4180	3440	3760
19	4200	1380	3360	1870	918	1450	9650	4810	6010	3920	3560	3740
20	3980	2060	3440	2230	1420	1820	5210	3600	4350	---	---	---
21	4320	1800	3260	2470	1020	2050	4840	2860	3520	---	---	---
22	3060	1950	2340	2290	514	1580	3740	2950	3160	---	---	---
23	4230	2300	3500	2590	804	1750	3450	3150	3280	---	---	---
24	4230	1840	3520	2300	623	1450	3350	1460	2230	---	---	---
25	3880	1710	2770	1560	549	971	2590	1320	2130	---	---	---
26	2080	1350	1650	885	466	697	3430	1410	2270	---	---	---
27	2460	1350	2100	754	424	617	5660	2140	3400	---	---	---
28	2790	582	1760	924	439	731	11200	3190	5800	---	---	---
29	---	---	---	1150	464	736	14900	6170	10200	---	---	---
30	---	---	---	926	229	616	15000	7620	10100	---	---	---
31	---	---	---	1130	243	572	---	---	---	---	---	---
MONTH	19500	582	3560	12900	156	2250	15000	574	3460	18200	1110	4460

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	9590	7410	8280	16600	10700	12300	26500	18900	22400
2	---	---	---	14300	8520	10600	28900	12900	22800	32000	24000	29000
3	---	---	---	15100	10500	12900	29500	21600	26400	32300	27000	29800
4	---	---	---	15300	11600	13300	29900	25900	27300	27000	18600	20800
5	---	---	---	13000	10500	11500	28100	25300	26600	22600	16000	19000
6	---	---	---	19600	9920	13100	27700	24700	25900	20400	16700	18500
7	---	---	---	23700	12900	16400	28400	25100	26400	19000	17100	18000
8	---	---	---	21000	15100	17500	27400	25200	25900	18200	16200	17500
9	---	---	---	16500	12300	14300	25200	20200	22200	20800	16700	18100
10	---	---	---	14300	9400	11500	22700	17400	19400	34700	20800	29400
11	---	---	---	15800	9250	11600	18900	13900	16200	36500	31400	34300
12	---	---	---	18100	10800	13200	14900	13400	14500	32400	28900	31400
13	---	---	---	16800	11800	14100	17700	12300	14200	28900	18200	22000
14	---	---	---	17700	13800	15200	17300	11400	14400	18700	16200	17200
15	---	---	---	14600	12500	13500	13500	11000	12400	17800	16000	16500
16	---	---	---	13600	9000	10900	17500	11300	13500	16400	15100	15800
17	---	---	---	13200	8370	10000	16900	12900	14300	16100	15200	15600
18	---	---	---	23300	9900	14600	19100	13500	15400	15500	15000	15300
19	---	---	---	24200	14600	18100	21100	15000	16800	15100	14100	14400
20	---	---	---	24000	16600	19400	25300	16900	20000	14100	13300	13500
21	---	---	---	26900	18500	21200	32400	23700	27700	13500	13300	13400
22	---	---	---	26300	20900	22500	31100	25400	28700	13300	13000	13100
23	18900	12000	14300	25100	20900	22000	28100	26200	27100	13000	12800	12900
24	20300	12700	15000	21900	19200	20500	26200	21200	23400	12800	12400	12500
25	23300	14100	17400	22300	18600	19700	22800	16700	19200	12900	12300	12600
26	20900	16600	18900	20200	18000	18700	17300	13200	15300	13400	12900	13100
27	19800	17400	18600	18400	15300	16600	16300	13600	14400	16500	14600	14600
28	19100	15500	17300	16100	12100	14300	14200	13200	13800	24300	16100	20300
29	17700	14100	15400	14600	12100	14000	19800	13200	17000	19900	15100	16100
30	14100	9350	10900	14000	9850	11400	20700	16300	18200	---	---	---
31	---	---	---	13500	9480	10700	22400	18000	19600	---	---	---
MONTH	---	---	---	26900	7410	14900	32400	10700	19700	36500	12300	18900

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	28.1	26.3	26.9	20.0	18.6	19.4	---	---	---	9.9	9.2	9.6
2	27.5	25.8	26.4	19.7	18.7	19.2	16.8	15.7	16.1	11.6	9.5	10.1
3	26.5	25.1	25.9	18.7	17.5	18.1	16.9	15.9	16.3	12.1	10.2	11.0
4	26.3	25.5	25.9	18.9	17.4	18.2	16.5	15.0	16.0	12.2	10.7	11.5
5	26.7	25.9	26.3	18.9	17.3	18.0	15.5	13.9	14.8	12.9	11.4	12.3
6	26.6	26.2	26.4	19.2	17.5	18.3	14.3	13.0	13.9	13.6	12.8	13.3
7	26.8	26.1	26.4	17.8	15.7	17.1	13.4	12.0	12.6	14.5	13.1	13.9
8	26.8	25.9	26.3	16.7	15.6	16.2	12.4	11.8	12.2	14.4	12.8	13.7
9	27.8	26.1	26.6	16.1	15.5	15.7	13.6	12.4	12.9	13.3	12.0	12.6
10	26.6	26.1	26.4	15.5	15.1	15.3	14.7	13.3	13.7	13.9	12.2	12.8
11	26.5	26.0	26.2	15.5	15.0	15.3	13.6	12.5	13.0	14.2	12.6	13.1
12	26.2	25.9	26.0	15.5	15.1	15.3	12.9	10.9	11.8	13.8	13.2	13.5
13	26.2	25.6	26.0	15.7	15.1	15.4	11.3	10.0	10.6	13.9	13.4	13.7
14	25.6	22.5	23.9	16.0	15.3	15.6	10.3	8.8	9.6	14.4	13.8	14.0
15	22.5	20.5	21.9	15.8	15.2	15.4	10.6	8.8	9.6	14.5	13.5	14.1
16	21.1	19.7	20.3	15.3	14.0	14.6	10.6	8.9	9.8	13.5	12.6	13.0
17	20.4	18.9	19.8	14.0	13.1	13.5	11.6	9.3	10.3	---	---	---
18	20.0	18.7	19.5	13.7	12.6	13.1	11.9	9.7	10.6	---	---	---
19	20.0	18.6	19.4	13.3	12.3	12.7	12.8	10.3	11.2	---	---	---
20	20.8	19.1	19.8	13.9	12.5	13.1	12.8	10.8	11.5	---	---	---
21	21.5	19.6	20.5	15.6	12.8	14.3	12.9	11.6	12.1	13.2	12.4	12.8
22	21.0	20.0	20.6	16.4	14.9	15.6	13.6	12.0	12.6	13.9	13.2	13.5
23	21.0	19.7	20.2	16.0	15.3	15.6	13.3	12.4	12.9	13.6	13.3	13.5
24	21.4	20.1	20.8	15.4	14.9	15.1	14.3	13.1	13.6	13.4	12.6	13.0
25	22.2	20.8	21.2	14.9	14.1	14.6	14.3	13.1	13.6	13.0	12.1	12.6
26	22.1	20.9	21.6	15.8	14.3	15.0	13.7	13.2	13.4	12.4	11.6	12.1
27	20.9	18.6	19.8	16.5	14.4	15.1	13.6	12.1	12.7	11.8	11.5	11.7
28	19.8	18.0	19.2	---	---	---	12.3	11.0	11.7	12.2	10.9	11.7
29	18.3	17.6	17.9	---	---	---	11.2	9.8	10.5	13.0	11.4	12.2
30	18.8	17.3	18.1	---	---	---	11.3	8.9	9.8	13.4	11.3	12.3
31	19.5	18.5	18.9	---	---	---	11.6	9.0	9.9	12.7	11.5	11.8
MONTH	28.1	17.3	22.7	20.0	12.3	15.7	16.9	8.8	12.3	14.5	9.2	12.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	12.1	11.3	11.8	16.1	15.1	15.6	21.7	20.3	20.9	21.8	20.5	21.0
2	12.5	11.9	12.4	15.4	13.9	14.8	21.8	20.6	21.1	23.0	21.2	21.8
3	12.6	12.1	12.4	14.5	13.3	13.9	22.5	21.3	21.9	23.5	21.8	22.6
4	12.7	11.6	12.2	14.3	12.8	13.8	21.9	20.4	20.9	24.1	22.8	23.2
5	12.0	11.2	11.5	14.6	14.1	14.4	21.9	18.7	20.7	23.5	22.6	23.0
6	11.5	10.6	11.1	15.6	14.4	14.8	21.0	20.0	20.5	23.5	23.0	23.1
7	11.7	10.4	11.0	15.8	15.0	15.3	21.6	20.4	20.9	24.8	23.0	23.8
8	12.2	10.4	11.1	16.4	15.3	16.0	21.9	20.6	21.2	26.0	24.1	24.7
9	11.4	10.6	11.0	15.3	13.8	14.4	21.4	20.3	21.0	25.6	24.6	25.0
10	12.9	10.9	11.7	14.1	12.6	13.6	20.6	19.2	19.9	25.9	24.8	25.2
11	13.1	12.2	12.6	12.9	11.1	12.4	20.4	19.3	19.7	25.5	24.0	24.8
12	14.0	12.4	13.0	12.9	10.1	11.9	20.4	18.9	19.8	25.7	24.5	25.1
13	14.2	13.0	13.4	12.0	10.7	11.5	20.3	19.3	19.9	26.0	24.6	25.3
14	13.7	13.1	13.5	14.0	11.6	12.6	21.5	19.9	20.4	26.0	24.5	25.3
15	13.6	13.1	13.4	13.6	12.5	13.0	21.8	20.3	21.0	26.0	24.5	25.3
16	13.9	13.4	13.7	14.9	13.2	14.0	22.5	21.5	21.9	25.8	24.8	25.3
17	14.4	13.3	13.8	15.8	14.6	15.0	22.5	22.0	22.1	26.2	25.2	25.6
18	15.4	13.2	13.8	16.1	15.3	15.6	22.4	21.6	22.0	26.5	25.0	25.8
19	14.1	13.6	13.8	16.1	15.4	15.8	22.3	20.8	21.4	26.7	25.4	26.1
20	15.2	13.4	13.9	16.0	14.7	15.3	21.3	20.0	20.8	---	---	---
21	14.7	13.5	14.1	15.1	13.8	14.4	21.6	20.0	20.8	---	---	---
22	14.8	13.9	14.3	15.3	13.8	14.4	20.8	19.8	20.4	---	---	---
23	14.9	13.3	14.1	15.8	13.9	14.9	20.9	19.3	20.3	---	---	---
24	16.5	13.8	14.7	16.5	14.9	15.6	20.3	18.8	19.6	---	---	---
25	15.2	14.3	14.9	17.5	16.0	16.7	20.3	19.1	19.6	---	---	---
26	15.5	14.7	15.1	18.3	16.8	17.6	20.7	19.2	19.8	---	---	---
27	16.4	15.0	15.5	18.8	17.5	18.2	21.3	19.9	20.5	---	---	---
28	16.7	14.8	15.6	20.9	18.7	19.5	21.7	20.7	21.0	---	---	---
29	---	---	---	20.9	19.6	19.9	20.7	19.9	20.4	---	---	---
30	---	---	---	20.9	20.0	20.4	21.5	19.9	20.6	---	---	---
31	---	---	---	21.3	20.8	21.1	---	---	---	---	---	---
MONTH	16.7	10.4	13.2	21.3	10.1	15.4	22.5	18.7	20.7	---	---	---

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	30.8	29.6	30.2	32.4	30.9	31.5	31.1	29.5	30.6
2	---	---	---	30.9	29.5	30.3	31.6	30.7	31.0	30.2	28.5	29.0
3	---	---	---	30.9	29.7	30.2	31.3	30.2	30.7	29.3	28.3	28.7
4	---	---	---	31.2	30.0	30.4	30.9	30.0	30.3	31.0	28.8	29.6
5	---	---	---	31.3	30.0	30.8	30.6	30.0	30.3	29.6	28.9	29.3
6	---	---	---	31.7	30.1	30.9	30.8	29.9	30.4	29.0	28.5	28.9
7	---	---	---	32.3	30.7	31.3	31.2	30.1	30.6	28.6	28.1	28.4
8	---	---	---	32.2	31.0	31.5	31.4	30.2	30.8	29.0	27.9	28.3
9	---	---	---	32.1	30.8	31.5	32.2	30.8	31.2	28.6	28.1	28.3
10	---	---	---	31.7	30.9	31.4	32.8	30.8	31.3	28.5	27.0	27.7
11	---	---	---	31.5	29.9	30.7	32.6	30.9	31.5	27.0	25.9	26.5
12	---	---	---	31.9	30.0	30.9	32.9	31.0	31.8	25.9	25.5	25.8
13	---	---	---	32.2	30.3	31.1	32.5	30.6	31.4	26.8	25.5	26.1
14	---	---	---	32.2	30.2	31.1	31.8	30.0	31.1	27.7	26.1	26.7
15	---	---	---	30.6	29.3	30.0	30.7	29.3	30.3	28.2	26.6	27.2
16	---	---	---	31.3	29.5	30.0	30.8	29.3	29.9	28.1	27.2	27.5
17	---	---	---	31.1	29.3	30.0	31.2	29.4	30.1	28.0	27.2	27.5
18	---	---	---	31.5	29.9	30.5	30.7	30.0	30.4	28.0	27.2	27.5
19	---	---	---	32.0	30.4	30.8	30.9	29.8	30.4	27.9	27.2	27.4
20	---	---	---	31.8	30.7	31.0	30.8	29.7	30.3	28.0	27.3	27.6
21	---	---	---	31.0	30.2	30.8	30.8	29.1	30.0	28.4	27.4	27.9
22	---	---	---	30.6	30.0	30.3	30.1	28.9	29.5	29.0	27.8	28.2
23	32.1	30.3	31.1	30.6	29.8	30.2	30.4	29.3	29.7	29.2	27.7	28.4
24	32.1	30.7	31.4	30.4	29.8	30.0	31.4	29.7	30.2	28.7	28.0	28.3
25	31.4	30.4	31.0	30.6	29.5	30.0	31.5	30.2	30.7	28.7	28.4	28.5
26	30.4	28.9	29.9	30.3	29.4	29.8	32.4	30.3	31.0	29.0	27.7	28.3
27	29.7	28.3	29.2	30.7	29.2	29.9	32.4	30.4	31.1	28.7	27.1	27.7
28	29.6	28.0	28.8	31.7	29.7	30.4	33.2	31.2	32.0	27.1	25.0	25.7
29	31.1	28.6	29.5	31.0	30.1	30.5	33.0	31.1	31.8	25.0	24.6	24.8
30	31.0	29.2	30.2	32.6	30.6	31.5	32.6	31.0	31.7	---	---	---
31	---	---	---	31.9	30.7	31.3	31.9	31.0	31.4	---	---	---
MONTH	---	---	---	32.6	29.2	30.6	33.2	28.9	30.8	31.1	24.6	27.8

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.25	.88	1.07	1.04	.42	.69	2.54	1.36	1.97	2.02	.82	1.45
2	1.87	.48	1.35	.88	.10	.55	2.63	1.48	2.12	1.74	.87	1.33
3	.79	.06	.37	1.00	-.27	.48	2.46	1.42	2.01	1.63	.80	1.21
4	.82	-.29	.24	1.81	.05	1.01	1.91	.98	1.43	1.41	.71	1.11
5	.57	-.49	.08	1.94	.70	1.41	1.85	.67	1.30	1.61	1.00	1.34
6	.71	-.69	.03	2.24	.99	1.62	2.14	1.15	1.66	1.80	1.43	1.58
7	.89	-.44	.27	3.01	1.35	2.17	2.11	1.66	1.93	1.84	1.27	1.61
8	.82	-.38	.24	2.91	1.32	2.04	2.16	1.65	1.93	1.55	1.16	1.38
9	1.12	-.51	.28	1.32	.19	.81	2.08	.93	1.28	1.99	1.47	1.76
10	2.00	-.05	.75	.81	.09	.46	1.03	.50	.78	1.83	.38	1.29
11	1.69	.17	.64	.81	-.02	.45	1.12	.50	.86	1.54	.40	1.04
12	.78	-.22	.30	.98	-.05	.44	1.64	.83	1.32	1.74	.68	1.22
13	.80	.12	.44	1.19	.48	.91	2.52	1.33	1.94	1.99	.79	1.40
14	1.18	.02	.45	1.18	.60	.97	2.06	1.11	1.60	2.14	.84	1.54
15	2.72	1.18	1.75	1.37	.89	1.19	2.35	1.13	1.81	2.02	.71	1.42
16	2.08	1.43	1.64	2.92	1.26	1.88	2.82	1.44	2.13	1.68	.57	1.16
17	1.58	.73	1.32	3.07	1.82	2.33	2.38	1.44	1.93	1.65	.46	1.08
18	.98	.33	.64	2.66	1.86	2.20	2.36	1.00	1.78	1.67	.45	1.14
19	.90	.18	.50	2.70	1.77	2.30	1.62	.80	1.17	1.79	.91	1.39
20	.78	-.16	.35	1.98	.65	1.49	1.82	.50	1.24	1.66	1.09	1.41
21	.83	-.24	.36	2.10	.35	1.16	1.59	.83	1.25	1.59	1.21	1.40
22	2.09	.04	1.38	2.86	.38	1.33	.89	.44	.69	1.67	1.10	1.38
23	.98	-.14	.48	2.36	.75	1.47	.92	.55	.73	2.04	1.00	1.55
24	1.02	-.28	.33	2.19	.84	1.62	1.06	.69	.82	2.10	.87	1.55
25	1.86	-.01	.84	2.08	1.27	1.69	1.57	.90	1.23	2.27	1.00	1.67
26	2.22	.87	1.64	2.18	1.51	1.81	2.14	1.05	1.64	2.44	.92	1.74
27	2.11	.98	1.35	2.26	1.95	2.07	2.10	1.03	1.57	2.43	.95	1.76
28	1.69	.81	1.24	2.26	1.82	2.03	2.61	1.10	2.07	2.53	1.10	1.90
29	---	---	---	2.35	1.72	2.09	3.45	1.59	2.45	2.36	1.22	1.81
30	---	---	---	2.82	1.81	2.34	2.25	1.00	1.73	2.16	1.12	1.66
31	---	---	---	3.03	1.55	2.48	---	---	---	2.01	1.08	1.57
MONTH	2.72	-.69	.73	3.07	-.27	1.47	3.45	.44	1.55	2.53	.38	1.45
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.78	1.04	1.43	1.47	1.23	1.37	1.19	.34	.79	2.22	1.42	1.76
2	1.59	1.09	1.35	1.90	1.23	1.54	1.28	.52	.91	2.94	.78	1.79
3	1.57	1.05	1.39	1.95	1.11	1.55	1.91	.84	1.35	2.80	1.42	2.09
4	2.27	1.56	1.90	2.02	1.02	1.53	2.05	.72	1.41	2.34	.97	1.71
5	2.18	1.40	1.85	1.81	.85	1.37	1.91	.56	1.25	2.08	1.06	1.55
6	2.34	1.11	1.73	1.69	.44	1.17	1.80	.51	1.16	1.89	1.12	1.45
7	1.90	1.03	1.44	1.79	.51	1.18	1.86	.56	1.24	1.86	1.16	1.59
8	2.43	1.27	1.86	1.63	.13	.98	1.81	.60	1.25	1.95	1.52	1.68
9	2.64	1.36	2.02	1.38	-.07	.72	1.48	.48	1.04	2.40	1.36	1.75
10	2.39	1.20	1.85	1.15	-.28	.51	1.30	.48	.91	2.90	1.83	2.23
11	2.59	1.10	1.92	1.07	-.28	.46	1.24	.63	.96	3.28	2.31	2.76
12	2.38	1.03	1.74	1.07	-.21	.51	1.00	.64	.85	3.47	1.91	2.53
13	2.08	.91	1.52	1.17	.02	.71	1.04	.52	.76	3.21	1.58	2.29
14	2.22	.89	1.63	.98	.37	.69	1.17	.39	.78	2.91	1.59	2.23
15	2.17	1.30	1.76	.89	.37	.73	1.41	.29	.89	2.46	1.42	1.98
16	2.16	1.38	1.82	.74	.37	.55	1.58	.37	1.01	2.34	1.33	1.88
17	1.94	1.43	1.71	.74	.05	.42	1.60	.32	.99	2.60	1.57	2.04
18	1.99	1.43	1.70	1.03	-.02	.58	1.53	.36	.96	2.44	1.63	2.06
19	1.89	1.15	1.57	1.28	.00	.69	1.60	.49	1.06	2.87	1.78	2.37
20	1.86	.85	1.41	1.43	.12	.80	1.77	.69	1.29	2.57	1.80	2.17
21	2.11	.44	1.45	1.56	.25	.93	2.17	1.01	1.58	1.98	1.47	1.71
22	2.06	.69	1.41	1.56	.26	.95	2.20	1.24	1.73	1.47	1.20	1.30
23	2.11	.70	1.45	1.65	.34	1.02	1.85	1.32	1.57	1.46	1.00	1.22
24	2.17	.72	1.49	1.57	.34	.91	1.73	1.29	1.54	1.53	1.06	1.25
25	2.81	.73	1.87	1.43	.18	.89	1.46	1.28	1.38	1.83	1.16	1.42
26	3.22	1.26	2.18	1.24	.18	.81	1.50	1.02	1.20	1.94	.93	1.41
27	2.67	1.40	2.07	1.20	.43	.84	1.29	.84	1.04	1.81	-.61	.62
28	2.11	1.21	1.72	1.12	.65	.93	1.35	.79	1.05	2.16	.74	1.44
29	1.72	1.09	1.40	1.11	.77	.96	1.55	.78	1.17	1.56	.45	1.01
30	1.64	1.14	1.42	1.16	.76	.95	1.71	.82	1.26	1.68	.97	1.36
31	---	---	---	1.16	.63	.91	1.95	.96	1.45	---	---	---
MONTH	3.22	.44	1.67	2.02	-.28	.91	2.20	.29	1.16	3.47	-.61	1.75

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURES: July 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 46,800 microsiemens, Nov. 30, 1996; minimum daily, 845 microsiemens, July 3, 1997.

WATER TEMPERATURES: Maximum daily, 34.1°C, Aug. 8, 1998; minimum daily mean, 2.9°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum daily recorded, 34.1°C, Aug. 8; minimum daily mean, 7.4°C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25600	18800	23800	32800	31800	32000	19600	17000	18300	37100	19500	27200
2	25100	22200	23600	32400	29500	30800	21800	17200	18600	---	---	---
3	26900	23600	24900	29500	21700	25800	23100	17800	20900	---	---	---
4	31200	26800	27700	23800	21900	22900	22900	13800	16900	45900	38800	42900
5	33400	27800	31100	25200	23500	24400	15600	11300	13100	---	---	---
6	34100	32000	33000	24100	21900	23500	20600	13100	17300	---	---	---
7	32500	27900	29100	21900	17400	19500	24100	16000	20200	44900	26700	11600
8	32300	27900	31100	23500	17800	20500	32000	17200	22200	34100	15200	22100
9	---	---	---	26200	23400	25200	37700	32000	35500	18400	10000	12400
10	---	---	---	28300	26200	27200	42600	27100	37300	15000	8790	10200
11	---	---	---	28300	25800	27300	40500	14700	22500	10700	6720	9020
12	---	---	---	27800	26500	26800	30500	10200	17600	---	---	---
13	---	---	---	29200	27800	28500	30500	11100	20300	15400	7560	11600
14	---	---	---	29200	25500	27000	31800	9990	16400	---	---	---
15	---	---	---	26500	22200	24300	21900	14300	19100	---	---	---
16	---	---	---	22500	18500	20400	28200	21900	25200	---	---	---
17	---	---	---	---	---	---	35900	28200	31200	---	---	---
18	---	---	---	---	---	---	37200	35700	36500	---	---	---
19	---	---	---	21300	19600	20600	37400	36100	36600	---	---	---
20	---	---	---	24500	20000	22700	36400	35300	35900	---	---	---
21	---	---	---	25300	24500	25100	38100	35300	36700	18400	9980	14000
22	---	---	---	26700	25300	25700	37900	36300	37300	26200	14700	18400
23	---	---	---	27200	25600	26500	36600	35000	35800	28100	5170	12100
24	---	---	---	25600	23300	24400	36200	34900	35700	17200	2610	8580
25	---	---	---	23300	22300	22700	36000	28700	32400	15400	4690	9100
26	38700	35000	37200	22500	21900	22200	34800	27700	29900	11700	4070	7360
27	35000	28500	30700	22700	22000	22200	27700	17600	22000	13400	1580	4000
28	31300	25800	27800	24000	22700	23100	28500	26300	27300	12000	1270	2350
29	31400	30600	30900	24900	24000	24600	---	---	---	18100	9410	13500
30	31000	28500	29500	24500	19600	21900	19300	11800	14900	22700	12400	16600
31	31800	29700	30800	---	---	---	26900	10700	15400	25700	17300	20200
MONTH	---	---	---	32800	17400	24600	42600	9990	25600	---	---	---

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	20300	14100	16200	---	---	---	24100	18100	21700	20700	10300	15400
2	21800	14300	18200	---	---	---	23800	16000	20000	18500	10800	15300
3	18000	2370	5530	---	---	---	28800	15000	19900	17500	10800	13400
4	4650	1650	2600	---	---	---	20100	10300	15500	15000	9550	11700
5	28000	1500	9000	---	---	---	15200	10300	12300	15100	9820	12800
6	32800	17300	26900	---	---	---	18800	10700	13800	19400	11000	15000
7	33500	22700	28400	---	---	---	20400	14800	17600	16800	12700	14700
8	38300	27500	32600	---	---	---	21100	13500	16600	17300	9600	14200
9	34800	22500	28700	---	---	---	17000	8030	11900	18700	11300	15100
10	26700	19200	23900	---	---	---	8080	5170	6340	17900	9980	14500
11	33900	13600	20100	---	---	---	10500	4080	6630	15700	9560	12100
12	22200	8750	15700	---	---	---	18700	8180	12400	15900	10400	13400
13	27600	20700	23200	---	---	---	37500	14200	26700	18000	11400	14400
14	31400	19000	23900	---	---	---	34100	15000	25100	22400	10700	15600
15	31000	19800	25400	---	---	---	24800	11700	18100	20000	10900	14800
16	28200	19800	24900	---	---	---	30800	19600	25600	18700	11800	14100
17	28300	18700	23400	---	---	---	28400	20100	25100	18900	9940	13900
18	23900	13800	17300	---	---	---	25500	16100	20900	16900	9140	12500
19	29300	14000	20200	---	---	---	17100	11200	13700	17900	12400	15600
20	26500	9940	21000	---	---	---	19800	10400	13100	24400	11700	17400
21	34200	17500	23600	---	---	---	21400	12700	17500	21500	15000	17500
22	---	---	---	---	---	---	13900	7900	9680	23000	14900	18100
23	---	---	---	---	---	---	16400	8260	11400	---	---	---
24	---	---	---	---	---	---	21200	13000	17900	---	---	---
25	---	---	---	---	---	---	19900	13000	16500	---	---	---
26	---	---	---	---	---	---	27000	15200	21800	---	---	---
27	---	---	---	26500	17500	22900	24100	13300	20200	---	---	---
28	---	---	---	29500	19200	24400	25600	13300	19600	---	---	---
29	---	---	---	26300	18400	23300	19400	14300	17700	---	---	---
30	---	---	---	26100	19000	21700	19900	11600	17700	---	---	---
31	---	---	---	26100	14000	19900	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	37500	4080	17100	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	31500	21900	26600
2	---	---	---	---	---	---	---	---	---	30500	24500	26900
3	---	---	---	---	---	---	---	---	---	30100	25500	27600
4	---	---	---	---	---	---	---	---	---	30600	25100	28000
5	---	---	---	---	---	---	---	---	---	29100	22700	26600
6	---	---	---	---	---	---	---	---	---	27900	22700	25300
7	---	---	---	---	---	---	33700	24400	28700	25600	21700	24100
8	---	---	---	---	---	---	34400	25200	29000	26000	22800	24500
9	---	---	---	24000	10500	17500	28900	23800	26800	28300	21900	23700
10	---	---	---	22800	9840	15800	28000	23200	25400	27600	22400	25800
11	---	---	---	23500	9290	14700	28000	22700	25600	27900	22200	25100
12	---	---	---	---	---	---	28300	22000	25200	26900	18300	23200
13	---	---	---	---	---	---	25900	20100	23500	20500	13700	17200
14	---	---	---	---	---	---	25900	18400	23100	18800	12900	16400
15	---	---	---	---	---	---	27500	17100	23000	17300	12800	15200
16	---	---	---	---	---	---	27300	19500	23500	17400	11700	14200
17	---	---	---	---	---	---	27200	19600	23300	15400	10500	13400
18	---	---	---	---	---	---	28200	19900	22900	15000	10600	12800
19	---	---	---	---	---	---	28500	18600	23100	15300	10500	13600
20	---	---	---	---	---	---	29500	20900	25300	15500	11200	13400
21	---	---	---	---	---	---	28400	23600	26500	12800	8420	10000
22	---	---	---	---	---	---	28400	23600	26700	8640	6920	7870
23	---	---	---	---	---	---	27500	24200	26200	7980	6430	7090
24	---	---	---	---	---	---	27500	23000	25900	7570	5900	6510
25	---	---	---	---	---	---	26900	22400	24700	8520	5950	7270
26	---	---	---	---	---	---	26900	20500	24000	12800	6040	8520
27	---	---	---	---	---	---	24400	20600	22300	12800	4250	7760
28	---	---	---	---	---	---	25400	20900	22200	7280	3560	5010
29	---	---	---	---	---	---	25500	20700	23500	13000	3520	7280
30	---	---	---	---	---	---	27700	21600	23900	22900	4570	12400
31	---	---	---	---	---	---	27400	21700	24800	---	---	---
MONTH	---	---	---	---	---	---	34400	17100	24800	31500	3520	16800

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	27.7	19.9	27.3	21.1	19.6	20.2	18.1	17.1	17.7	11.6	10.6	11.1
2	27.7	26.2	26.9	20.9	19.8	20.4	18.0	17.0	17.5	---	---	---
3	26.3	25.6	25.9	19.8	18.5	19.1	17.9	17.3	17.6	---	---	---
4	26.6	25.3	26.0	18.6	17.9	18.2	17.7	16.3	17.2	16.0	14.9	15.2
5	26.8	25.9	26.3	18.5	17.5	18.0	16.3	14.5	15.4	---	---	---
6	27.6	26.5	27.0	19.1	17.9	18.6	15.3	13.8	14.6	---	---	---
7	27.4	26.5	26.9	17.9	16.0	16.9	15.0	12.9	14.1	17.7	17.3	17.5
8	27.3	26.1	26.7	16.1	15.1	15.6	13.8	12.8	13.2	17.4	15.6	16.6
9	27.6	26.7	27.1	16.7	15.9	16.4	16.3	13.7	14.7	15.6	14.1	14.5
10	27.3	26.6	26.9	17.0	16.6	16.8	17.1	16.2	16.7	14.4	13.3	13.9
11	27.0	26.0	26.5	16.9	15.6	16.1	16.9	13.0	14.6	15.1	13.6	14.4
12	26.8	25.8	26.3	16.4	15.8	16.1	13.0	10.9	11.6	---	---	---
13	26.6	26.0	26.3	17.2	16.4	16.7	11.0	9.4	10.0	16.4	16.0	16.2
14	26.3	22.2	24.2	17.2	16.5	16.8	9.9	7.9	8.7	---	---	---
15	22.2	20.1	20.7	17.1	16.1	16.4	8.1	7.4	7.8	---	---	---
16	20.2	18.9	19.5	16.4	13.8	14.7	9.6	8.1	8.8	---	---	---
17	19.7	18.5	19.1	---	---	---	11.0	9.3	9.9	---	---	---
18	19.3	18.2	18.8	---	---	---	11.7	10.9	11.3	---	---	---
19	19.4	18.5	18.9	13.5	13.3	13.3	14.0	11.7	12.0	---	---	---
20	19.9	19.1	19.4	14.6	13.5	13.8	14.1	13.1	13.4	---	---	---
21	21.1	19.0	20.4	16.9	14.6	15.6	15.6	14.1	15.3	16.2	14.9	15.2
22	---	---	---	17.5	16.8	17.0	15.6	15.3	15.4	16.2	15.9	16.1
23	---	---	---	17.6	17.1	17.3	16.1	15.3	15.6	16.2	15.4	15.6
24	---	---	---	17.2	16.0	16.7	16.5	16.0	16.2	15.4	13.9	14.6
25	---	---	---	16.6	16.2	16.5	16.1	15.4	15.7	14.8	13.4	14.0
26	23.7	22.3	23.5	16.5	16.1	16.3	19.8	14.6	15.5	13.9	13.5	13.7
27	22.3	19.5	20.9	18.2	16.5	17.1	14.6	12.3	13.3	13.8	12.3	12.8
28	19.5	17.8	18.4	19.2	17.7	18.2	---	---	---	12.9	11.5	12.2
29	18.6	17.8	18.1	19.5	19.2	19.3	---	---	---	13.2	12.9	13.1
30	18.5	17.3	17.9	19.5	18.1	18.8	10.6	9.0	9.9	13.6	13.2	13.3
31	19.9	18.4	18.7	---	---	---	11.6	9.8	10.5	14.2	13.6	13.8
MONTH	27.7	17.3	23.1	21.1	13.3	17.0	19.8	7.4	13.6	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	15.4	14.2	14.7	---	---	---	22.9	22.1	22.5	23.5	21.9	22.7
2	15.4	14.7	15.0	---	---	---	23.0	22.0	22.5	24.4	22.6	23.4
3	14.7	13.9	14.2	---	---	---	23.8	22.8	23.2	25.3	23.7	24.4
4	13.9	12.9	13.4	---	---	---	23.3	21.8	22.6	24.9	24.4	24.7
5	13.6	12.4	12.9	---	---	---	21.9	20.5	21.1	26.6	24.8	25.7
6	14.0	13.3	13.6	---	---	---	22.0	20.5	21.3	26.4	25.6	26.0
7	14.5	13.6	13.9	---	---	---	22.1	20.9	21.4	27.2	25.8	26.3
8	14.0	13.7	13.9	---	---	---	22.7	21.8	22.1	27.5	26.1	26.5
9	13.8	13.5	13.8	---	---	---	23.1	21.5	22.4	27.7	26.6	27.2
10	15.7	13.5	14.3	---	---	---	22.3	20.5	21.5	28.1	26.6	27.2
11	16.0	14.8	15.5	---	---	---	21.0	19.5	20.2	27.3	25.9	26.5
12	15.4	14.7	15.2	---	---	---	21.6	20.2	20.9	27.8	26.7	27.0
13	15.6	15.3	15.5	---	---	---	21.3	20.0	20.6	28.0	26.3	27.0
14	16.0	15.5	15.7	---	---	---	22.7	20.7	21.4	27.8	26.3	27.1
15	15.6	15.0	15.4	---	---	---	23.2	22.1	22.7	28.5	26.9	27.4
16	15.5	15.1	15.4	---	---	---	23.7	22.8	23.3	28.0	27.4	27.6
17	15.8	14.8	15.2	---	---	---	24.8	23.5	23.9	29.0	27.5	27.8
18	15.8	14.7	15.0	---	---	---	25.3	24.3	24.7	29.3	28.2	28.6
19	15.8	15.2	15.4	---	---	---	24.4	22.6	23.4	29.3	28.7	28.9
20	15.2	14.6	15.1	---	---	---	23.1	21.2	22.1	29.5	28.6	29.0
21	16.1	15.1	15.3	---	---	---	23.1	22.0	22.3	29.6	28.8	29.1
22	---	---	---	---	---	---	22.1	21.1	21.5	29.1	27.8	28.5
23	---	---	---	---	---	---	21.2	20.2	20.6	28.9	27.6	28.2
24	---	---	---	---	---	---	21.9	20.9	21.1	29.3	27.6	28.2
25	---	---	---	---	---	---	22.4	21.0	21.7	29.2	27.8	28.3
26	---	---	---	---	---	---	23.0	21.1	22.0	29.3	27.8	28.5
27	---	---	---	21.6	19.6	20.6	23.7	22.2	22.9	29.2	28.3	28.8
28	---	---	---	22.6	20.7	21.5	23.6	21.2	22.5	30.1	28.3	29.1
29	---	---	---	23.1	21.6	22.3	21.2	20.5	20.8	29.6	29.0	29.2
30	---	---	---	23.2	21.7	22.5	22.6	20.5	21.1	30.6	29.0	29.7
31	---	---	---	23.2	22.3	22.6	---	---	---	30.9	29.5	30.2
MONTH	---	---	---	---	---	---	25.3	19.5	22.0	30.9	21.9	27.4

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.5	29.8	30.4	30.8	29.4	29.9	32.5	31.1	31.7	31.1	28.2	29.6
2	31.2	30.1	30.7	30.6	29.3	29.8	32.2	31.2	31.6	28.2	27.2	27.5
3	31.2	29.6	30.4	30.3	29.1	29.6	31.4	30.2	30.8	30.3	26.9	27.9
4	30.8	29.5	30.1	31.0	29.5	30.0	31.0	29.6	29.9	30.3	27.9	28.9
5	30.7	29.2	29.8	31.6	29.7	30.6	30.5	29.4	29.9	29.4	28.3	28.8
6	30.0	28.5	28.9	32.9	30.5	31.0	31.4	29.6	30.5	28.8	28.2	28.4
7	28.7	26.5	27.7	33.0	31.1	31.7	33.3	29.9	31.1	28.3	27.3	27.8
8	28.0	26.3	27.1	33.0	29.9	31.8	34.1	30.6	31.9	27.4	27.0	27.2
9	29.3	27.4	28.4	32.5	31.1	31.8	33.1	31.1	31.7	27.0	26.4	26.8
10	30.1	28.2	28.9	32.3	30.9	31.6	33.0	31.4	32.1	26.4	25.9	26.1
11	30.1	27.3	29.5	31.9	30.8	31.4	33.6	31.7	32.3	25.9	25.6	25.8
12	30.9	29.3	30.1	31.7	30.7	31.2	33.4	31.5	32.2	25.7	25.3	25.5
13	31.3	29.6	30.3	31.7	30.5	31.2	32.9	30.9	31.5	25.4	25.2	25.3
14	30.6	29.7	30.2	31.2	30.2	30.5	31.1	29.9	30.5	26.8	25.3	26.0
15	30.4	28.9	29.6	31.2	30.0	30.4	30.2	29.1	29.6	28.3	26.6	27.3
16	30.4	28.8	29.6	30.5	30.1	30.3	31.3	29.0	29.8	28.7	27.4	27.8
17	31.1	29.4	30.0	30.3	29.9	30.1	32.6	29.2	30.4	27.9	27.3	27.5
18	31.3	30.1	30.6	30.9	30.0	30.2	31.7	29.6	30.4	28.3	27.0	27.6
19	33.0	30.6	31.1	32.1	30.3	30.8	30.9	29.6	30.3	28.0	27.3	27.6
20	32.8	30.7	31.6	32.2	30.8	31.1	30.5	29.6	30.0	28.6	27.0	27.7
21	32.2	30.6	31.2	31.3	30.3	30.9	29.6	28.1	28.8	28.8	27.9	28.3
22	32.1	30.8	31.4	31.4	29.8	30.4	29.6	27.8	28.7	29.8	28.3	29.0
23	32.5	31.1	31.9	31.6	29.9	31.0	30.4	28.6	29.5	30.8	28.6	29.6
24	32.7	32.0	32.3	31.1	30.2	30.7	31.1	29.7	30.3	30.4	29.0	29.7
25	32.3	29.8	31.1	32.5	30.3	31.0	32.0	30.3	31.1	29.6	28.3	28.9
26	29.8	28.0	28.6	32.0	30.4	30.9	32.5	30.8	31.5	28.9	27.8	28.3
27	28.1	27.0	27.5	31.4	30.5	31.0	33.2	30.8	31.7	28.1	25.2	27.1
28	28.8	26.9	27.3	31.7	30.4	30.8	34.0	30.8	31.9	25.6	24.6	25.0
29	30.1	27.4	28.5	32.3	30.7	31.3	33.4	31.1	32.2	25.0	24.3	24.7
30	31.1	28.5	29.3	32.3	30.6	31.4	33.8	31.5	32.1	27.0	24.4	25.5
31	---	---	---	31.6	30.7	31.1	32.0	31.1	31.5	---	---	---
MONTH	33.0	26.3	29.8	33.0	29.1	30.8	34.1	27.8	30.9	31.1	24.3	27.4

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA

LOCATION.--Lat 29°23'54", long 90°02'28", Lafourche Parish, Hydrologic Unit 08090301, on a two-tier wellhead platform approximately 10.7 mi north northwest of Grand Isle Coast Guard Station.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988. Prior to October 1, 1996, the datum of the gage was 16.37 ft below sea level.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.17 ft, July 18, 1997 (Hurricane Danny); minimum recorded, -1.60 ft, Jan. 7, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.70 ft, Sept. 13, minimum recorded, -1.55 ft, Dec. 29.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.87	.34	.54	1.15	.29	.69	.64	-.59	.01	.37	-1.04	-.49
2	.80	.47	.56	.75	-.22	.25	.81	-.53	.10	.51	-.52	.03
3	.87	.19	.52	.61	-.72	-.13	.82	-.17	.31	.56	-.12	.24
4	1.18	.39	.70	.62	-.76	-.18	.77	-.84	-.19	.62	.24	.47
5	1.23	.32	.74	.70	-.30	.19	.08	-.91	-.41	.80	.61	.71
6	1.27	.48	.86	.63	-.61	-.07	-.07	-.86	-.45	1.37	.30	.84
7	1.62	.69	1.13	.04	-.89	-.43	.19	-.56	-.30	1.37	.65	1.18
8	1.84	.94	1.42	-.03	-.55	-.28	.54	.06	.27	.65	-.29	.10
9	1.84	.91	1.45	.18	-.36	-.05	.76	-.08	.31	.73	-.45	.11
10	1.99	1.04	1.56	.23	-.04	.10	.58	-.14	.24	.80	-.53	.12
11	1.88	1.33	1.64	.55	-.17	.15	.24	-.73	-.21	1.02	-.37	.28
12	2.36	1.50	1.94	1.09	.41	.73	.22	-1.09	-.46	1.20	.02	.58
13	2.19	1.26	1.82	1.08	.40	.77	.17	-1.01	-.42	1.46	-.14	.50
14	1.26	.62	.80	.84	-.29	.30	-.03	-1.29	-.78	1.54	.35	.92
15	1.08	.56	.84	.65	-.60	.00	.06	-1.25	-.64	1.38	.25	.75
16	1.10	.38	.79	.33	-1.03	-.37	.06	-1.29	-.65	.39	-.18	.07
17	1.29	.20	.69	.42	-.70	-.18	.15	-.95	-.40	.38	-.24	.02
18	1.29	.16	.70	.80	-.53	.07	.15	-.87	-.37	.46	-.06	.18
19	1.25	.22	.70	.87	-.52	.05	.16	-.63	-.22	.43	-.17	.16
20	.99	-.13	.44	.65	-.04	.30	.31	-.45	-.10	.88	.11	.48
21	1.01	-.06	.48	.70	.04	.34	.51	.15	.31	1.23	.28	.72
22	.92	-.08	.37	.70	-.04	.22	.47	-.03	.19	1.56	.90	1.19
23	1.40	.43	.76	.38	-.27	.02	.64	.06	.33	.97	.11	.59
24	1.51	.66	1.05	.28	.02	.12	.75	.07	.43	.87	-.33	.30
25	1.20	.81	1.01	.39	-.41	-.01	.56	-.35	.10	1.05	-.04	.47
26	1.40	.55	.98	.38	-.18	.06	.77	-.17	.27	1.35	.10	.76
27	.56	.32	.44	.84	-.28	.23	.16	-1.23	-.52	1.23	-.45	.18
28	.66	.22	.43	1.45	-.06	.54	.46	-.74	-.18	.84	-.45	.14
29	.64	.19	.38	1.45	.37	.85	-.07	-1.55	-.86	.85	-.21	.33
30	.94	.01	.40	1.08	-.50	.21	.00	-1.34	-.74	.85	-.22	.31
31	1.09	.32	.70	---	---	---	.00	-1.33	-.75	1.06	.38	.67
MONTH	2.36	-.13	.87	1.45	-1.03	.15	.82	-1.55	-.19	1.56	-1.04	.42

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.48	.92	1.07	1.20	.68	.91	2.42	1.40	1.91	1.82	.88	1.38
2	1.90	.62	1.46	.98	.27	.74	2.46	1.44	1.99	1.56	.81	1.19
3	.66	.06	.32	1.19	.20	.74	2.14	1.34	1.77	1.44	.71	1.09
4	.61	-.37	.11	1.85	.43	1.21	1.73	.93	1.36	1.36	.68	1.07
5	.35	-.52	-.07	2.04	.91	1.58	1.72	.80	1.29	1.58	.96	1.33
6	.43	-.78	-.16	2.38	1.22	1.82	2.12	1.11	1.60	1.70	1.38	1.52
7	.57	-.63	-.02	2.92	1.84	2.38	2.11	1.62	1.90	1.67	1.14	1.45
8	.59	-.49	.06	2.75	1.20	2.04	2.06	1.65	1.88	1.48	1.14	1.30
9	.94	-.53	.17	1.21	.38	.89	1.95	.93	1.28	1.90	1.30	1.61
10	1.50	-.09	.57	1.06	.33	.64	1.02	.62	.83	1.68	.44	1.18
11	1.43	-.12	.38	.96	.32	.59	1.22	.69	.93	1.47	.44	1.01
12	.69	-.22	.22	1.06	.28	.66	1.75	.83	1.39	1.61	.63	1.14
13	.70	.12	.39	1.10	.85	.99	2.51	1.46	2.00	1.83	.74	1.33
14	1.34	.11	.61	1.21	.91	1.04	2.06	1.26	1.69	1.96	.81	1.44
15	2.92	1.31	2.03	1.34	1.13	1.25	2.42	1.26	1.92	1.84	.64	1.30
16	1.93	1.32	1.61	2.38	1.34	1.87	2.73	1.60	2.14	1.49	.50	1.02
17	1.36	.73	1.12	2.75	1.89	2.28	2.45	1.61	2.02	1.46	.36	.92
18	.95	.42	.67	2.57	1.85	2.20	2.37	1.35	1.92	1.50	.34	1.00
19	1.04	.29	.63	2.57	1.71	2.19	1.66	.96	1.31	1.64	.80	1.26
20	.90	.06	.51	1.84	.85	1.38	1.85	.69	1.34	1.51	1.00	1.28
21	1.28	.04	.69	1.57	.50	1.08	1.61	1.00	1.30	1.41	1.08	1.23
22	1.56	.74	1.29	1.72	.69	1.22	1.00	.49	.70	1.46	.90	1.19
23	.98	-.10	.45	1.77	.70	1.28	.96	.58	.75	1.77	.84	1.34
24	1.09	-.10	.46	1.98	.89	1.47	1.04	.70	.84	1.84	.78	1.35
25	1.87	.35	1.00	2.02	1.23	1.63	1.54	.98	1.24	2.03	.85	1.48
26	2.07	1.07	1.62	2.14	1.48	1.76	2.08	1.19	1.67	2.17	.83	1.54
27	2.03	1.15	1.47	2.21	1.95	2.05	2.08	1.15	1.62	2.18	.86	1.58
28	1.82	1.04	1.43	2.22	1.80	2.00	2.90	1.15	2.36	2.27	1.02	1.70
29	---	---	---	3.19	1.86	2.17	3.38	1.69	2.55	2.09	1.08	1.59
30	---	---	---	2.78	1.95	2.37	2.16	1.07	1.74	1.85	.92	1.38
31	---	---	---	2.90	1.63	2.41	---	---	---	1.63	.81	1.23
MONTH	2.92	-.78	.72	3.19	.20	1.51	3.38	.49	1.57	2.27	.34	1.30
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.37	.76	1.08	2.15	1.87	2.02	.98	.21	.65	2.66	1.93	2.31
2	1.24	.79	.99	2.54	1.90	2.19	1.10	.55	.82	3.29	.91	2.26
3	1.25	.75	1.07	2.52	1.66	2.13	1.76	.87	1.29	3.12	.94	2.28
4	1.86	1.25	1.53	2.40	1.35	1.93	1.82	.63	1.28	2.79	1.28	2.09
5	1.79	1.13	1.50	2.02	.99	1.57	1.65	.46	1.09	2.53	1.64	2.06
6	1.97	1.00	1.50	1.68	.58	1.24	1.63	.58	1.09	2.48	1.56	1.89
7	1.69	.93	1.30	1.79	.55	1.22	1.77	.61	1.23	2.54	1.57	1.97
8	2.18	1.11	1.67	1.60	.18	.99	1.72	.62	1.21	2.48	1.61	1.98
9	2.43	1.33	1.87	1.35	-.01	.73	1.44	.55	1.04	3.06	1.72	2.24
10	2.33	1.30	1.83	1.06	-.12	.51	1.28	.52	.89	3.49	2.49	2.85
11	2.48	1.16	1.91	1.03	-.12	.46	1.19	.61	.94	3.66	2.79	3.25
12	2.29	1.03	1.70	.98	-.13	.47	.95	.65	.83	3.63	2.15	2.91
13	1.97	.88	1.44	1.03	.04	.62	.98	.46	.74	3.70	1.88	2.68
14	1.89	.83	1.41	.98	.33	.65	1.08	.37	.74	3.33	1.73	2.56
15	1.92	1.07	1.57	.79	.38	.66	1.30	.30	.85	3.04	1.91	2.48
16	2.04	1.27	1.73	.71	.31	.53	---	---	---	2.79	1.90	2.38
17	1.89	1.45	1.70	.73	.04	.41	---	---	---	3.04	2.02	2.51
18	2.05	1.46	1.69	1.02	.01	.58	---	---	---	2.75	2.05	2.40
19	1.86	1.12	1.55	1.23	.07	.70	---	---	---	3.17	2.16	2.77
20	1.77	.85	1.37	1.35	.18	.79	---	---	---	2.80	2.11	2.43
21	2.02	.67	1.46	1.51	.33	.90	2.72	1.59	2.08	2.15	1.76	2.01
22	2.01	.79	1.45	1.47	.31	.95	2.12	1.56	1.92	1.76	1.51	1.60
23	2.09	.79	1.48	1.52	.33	.96	1.96	1.30	1.78	1.79	1.37	1.57
24	2.14	.81	1.52	1.45	.34	.85	2.30	1.26	1.78	1.94	1.46	1.65
25	2.77	.81	1.86	1.31	.30	.85	2.06	1.12	1.64	2.22	1.64	1.87
26	3.04	1.48	2.24	1.14	.25	.75	2.08	.44	1.49	2.31	1.47	1.88
27	2.63	1.52	2.11	1.01	.41	.74	1.86	.20	1.33	2.29	.05	1.25
28	2.32	1.60	1.97	.99	.52	.80	1.88	.17	1.34	1.70	.47	1.28
29	2.10	1.48	1.79	.95	.65	.80	2.02	.56	1.46	1.61	.73	1.20
30	2.18	1.64	1.95	1.00	.51	.76	2.10	.80	1.58	1.91	1.32	1.65
31	---	---	---	.99	.47	.75	2.50	1.24	1.82	---	---	---
MONTH	3.04	.67	1.61	2.54	-.13	.95	---	---	---	3.70	.05	2.14

MISSISSIPPI RIVER DELTA
073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1994 to current year.

WATER TEMPERATURES: October 1994 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 41,400 microsiemens, Nov. 20, 1996; minimum daily, 516 microsiemens, July 3,4, 1997.

WATER TEMPERATURES: Maximum daily, 35.2° C, Aug. 9, 1995; minimum daily, 6.2°C, Dec. 15, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 40,700 microsiemens, Oct. 11; minimum daily, 753 microsiemens, Mar. 12.

WATER TEMPERATURE: Maximum daily, 34.1° C, July 8; minimum daily mean, 6.2°C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21000	16400	18900	34600	29400	31900	21400	16300	18200	16100	11000	12000
2	20800	17500	18900	32800	25200	27800	19200	15600	17800	21600	15500	18500
3	22400	18900	19800	28700	20200	23700	20300	16700	18700	27700	21500	23600
4	27300	22100	23300	26400	22100	24700	19300	11400	14600	32200	27700	31400
5	28900	24400	26800	28000	24700	26300	11900	9610	10800	35700	28600	33200
6	33300	27100	29500	28300	19800	25100	11400	8940	10200	35100	28400	31300
7	35600	30100	34000	23800	15900	19200	10800	9450	10300	35100	23700	28200
8	37800	33400	35800	17900	15900	16900	20000	9950	13400	24200	15400	19700
9	40200	37400	38800	23600	17600	19900	22800	18400	20400	17800	10900	13000
10	40600	39100	39900	24600	22000	23100	24000	17100	19600	12300	7620	9250
11	40700	39100	40100	30500	21100	24600	20500	11900	14700	11300	7000	8480
12	39500	38100	38900	34000	27800	31000	12600	7510	9110	14200	7950	10400
13	39100	36800	38100	34000	27200	30000	9950	6500	7800	14200	6330	9590
14	38400	34000	36600	29800	22200	26600	8670	5860	6760	11200	7050	9140
15	35000	32500	33400	28100	19900	23200	11000	5290	6520	11400	3580	7020
16	34100	31400	32800	21400	14000	16000	13800	7490	10500	3590	2870	3070
17	34000	29400	31500	16200	13500	14900	22200	10300	15200	3180	2610	2800
18	33300	28800	30800	20300	15400	16800	26600	19400	23100	3500	2620	2850
19	32800	27000	30200	24200	15200	18300	25900	19500	22800	3520	2530	2760
20	32700	27900	30200	23000	19300	20800	25300	23000	24300	2940	2310	2600
21	32400	27800	30500	31600	19800	25400	26800	24100	25800	9000	2650	4400
22	32400	26200	29700	34500	25000	30600	30400	24200	26600	15300	8810	10500
23	34800	28900	31400	25100	18300	21800	28800	26800	27500	10000	4040	5900
24	38000	33600	36100	23200	20700	22300	29900	25700	27400	4040	1980	2710
25	37400	33600	37100	23300	19600	21300	28400	25400	26800	4250	2010	2440
26	37900	33200	36300	23800	21100	22400	27700	24200	25500	6160	2420	3570
27	33600	27500	30100	26900	21200	23100	24200	13700	16900	6160	1540	2340
28	29400	26400	27700	33900	23700	26700	17700	14300	15700	1950	1520	1670
29	29400	28200	28700	33900	23200	29500	16900	9140	11800	2450	1570	1800
30	29900	27200	28300	30300	17100	21500	13600	8970	10200	3540	1510	2000
31	33100	29100	30200	---	---	---	14800	9680	11800	3900	2030	2920
MONTH	40700	16400	31400	34600	13500	23500	30400	5290	16800	35700	1510	10300

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11600	3900	8360	9340	2400	4540	23500	21900	22800	21900	17500	20200
2	17400	7370	12900	6470	1870	3170	23200	21300	22400	17500	14800	16100
3	8360	1370	3160	4330	1430	2910	22400	19500	21500	15700	14000	14900
4	2080	1090	1400	11900	3000	6770	19800	12400	15600	15500	12600	13800
5	1620	1110	1420	15300	6110	11200	13400	9580	11300	17300	13800	15300
6	1540	1110	1320	20900	11900	16000	15500	9940	12600	20500	17000	19500
7	11900	1240	2730	26000	18600	21700	18800	14600	16500	23000	18500	21300
8	11200	4150	8150	25200	11800	18000	19000	15100	17500	21000	16900	18200
9	12900	8740	10900	11800	3170	6520	18900	8680	12000	24400	17700	21900
10	18000	10400	12700	3170	1600	2210	8800	3980	6480	23500	13300	18400
11	18200	10200	12900	1910	938	1180	7000	4130	5440	17600	13200	14700
12	11300	8830	9830	1200	753	988	10800	5980	8250	17900	12800	15900
13	11600	8330	9730	2060	916	1430	23700	10500	16900	20900	16500	19100
14	13400	7340	9030	2320	919	1620	22600	14100	18000	22800	19500	21400
15	35200	13400	24200	4640	926	2690	24500	14200	20700	23400	18600	21000
16	32200	23000	26300	18600	2510	12500	30400	21100	26300	20600	16300	18200
17	24500	14000	21400	26200	13100	21900	27400	21900	25400	18200	13000	15300
18	20600	12700	14500	26000	19200	23300	26700	22800	24700	16600	11700	14200
19	13300	8130	10800	23900	18700	21400	23400	13900	18700	16800	13200	15200
20	11700	6640	8100	18700	8190	12300	16800	11300	14100	17200	13900	15900
21	11800	6260	8200	8500	3910	5100	15200	12000	14100	17300	15500	16000
22	15500	7530	12700	5800	3190	4530	12300	7400	8300	18800	16500	17600
23	8180	4390	5650	8810	2910	5420	9170	6580	7640	25900	16900	21000
24	5630	2650	4030	14500	4610	8570	9080	7500	8390	28400	17500	23300
25	13200	3720	6370	16500	12900	14300	19100	8660	15100	30100	19100	26200
26	19300	11000	14200	20200	16200	17200	26400	18100	23900	30500	22600	27300
27	19300	12200	14800	22800	19600	21000	28700	22700	26500	28700	23300	26900
28	17200	7990	12300	24000	20900	21900	29300	24800	26900	27300	24700	26100
29	---	---	---	23600	20300	22400	26600	21600	25200	26400	24500	25800
30	---	---	---	23500	22100	23100	26000	21500	23600	25900	22400	24300
31	---	---	---	23900	21900	23300	---	---	---	24500	19500	21800
MONTH	35200	1090	10300	26200	753	11600	30400	3980	17200	30500	11700	19600

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	21100	14500	16800	22100	16500	18700	26100	18400	22200	29800	27000	28800
2	16500	12900	14900	26900	16400	22900	23900	20600	22500	31600	28100	29600
3	25400	15300	19900	28300	20600	25000	30100	21500	26400	31200	28300	29800
4	29000	24500	27800	27700	17600	23800	32100	26600	30000	30600	28500	29700
5	30100	27100	28700	25100	17300	20900	31600	26200	29400	30500	28200	29500
6	28700	22300	26400	21200	12700	17000	31400	26100	28900	29600	27800	28700
7	22700	19500	21800	21200	15900	18000	32400	27900	30100	28800	27300	28300
8	24500	19500	22400	23400	15800	19200	32600	28300	30400	29000	28000	28800
9	25400	21300	23900	25400	15400	19500	30700	28100	29500	28800	27600	28200
10	24800	20800	23500	22000	13500	16800	29600	24900	27100	28100	25300	27200
11	25300	20600	23500	20600	11400	14900	28800	24000	26400	27400	24700	25600
12	25400	20800	22600	19800	9850	14500	26800	22700	25100	26400	22700	24700
13	21800	17400	20000	21600	12000	17300	25400	20700	23400	23800	19800	21600
14	24400	15400	19500	24300	15700	19600	25900	20500	23100	21500	19100	20200
15	29800	19000	24900	23900	18900	22400	25700	20100	23000	21100	17100	19700
16	30900	23800	28000	25500	14400	20100	25100	20300	23200	19400	15500	18000
17	30700	26300	29000	25800	10600	17700	25700	20500	23600	17400	15000	16700
18	31200	25500	29200	24200	12900	20600	25500	21100	23500	16600	14200	15400
19	30100	18100	25800	27900	21200	24800	25200	21100	23700	17200	14400	15800
20	29600	17600	24200	29100	21600	25600	26700	21500	25100	17100	13100	15500
21	29900	18500	25400	---	---	---	30800	25800	28600	13100	9120	11300
22	28800	19300	24700	---	---	---	29600	28400	29100	11500	7980	9310
23	28300	18800	23300	29700	24200	26900	29200	28600	29000	9920	7710	8320
24	26900	18500	22500	28200	23900	26000	29100	28700	29000	8490	7480	7970
25	29400	18500	24800	28300	23200	26100	28800	27900	28400	8360	7030	7960
26	29300	26800	27900	27400	21900	24900	28500	25600	27400	8400	7180	7750
27	28800	26800	27800	24300	20600	22900	25800	23500	24800	8020	4450	6410
28	28800	24500	26500	24200	19800	21900	26000	22600	24400	5910	4460	5070
29	24500	20800	22600	23400	20600	22100	27900	24400	26100	8050	4890	5890
30	21600	15000	19200	25200	17500	21700	28700	25600	27200	11100	4990	8520
31	---	---	---	26800	21100	24900	28900	26700	28100	---	---	---
MONTH	31200	12900	23900	29700	9850	21300	32600	18400	26400	31600	4450	18700

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	29.1	27.5	28.2	21.7	19.4	20.5	17.7	16.5	17.1	12.0	9.8	10.7
2	28.3	26.4	27.0	21.0	19.9	20.3	17.8	16.6	17.3	13.5	11.4	12.2
3	26.9	25.4	26.1	19.9	17.6	18.6	18.3	17.5	17.9	15.1	13.1	14.0
4	26.8	25.2	26.1	19.1	16.8	17.9	17.9	15.9	17.1	16.5	15.0	15.8
5	27.3	25.7	26.4	18.8	17.6	18.2	15.9	14.0	14.6	17.1	16.5	16.9
6	27.7	26.3	26.9	19.5	17.7	18.8	14.7	12.9	13.6	17.7	16.8	17.2
7	27.7	26.3	26.9	17.8	14.8	15.9	13.4	12.1	12.6	18.2	17.7	18.0
8	27.7	26.2	26.9	15.9	14.1	14.9	14.4	12.1	13.0	17.8	14.9	16.1
9	28.0	26.6	27.2	15.6	14.4	14.9	16.6	14.1	14.9	15.1	13.6	14.4
10	27.2	26.5	26.8	15.6	15.1	15.4	17.4	15.6	16.6	15.7	13.7	14.5
11	26.9	25.8	26.3	15.6	15.0	15.3	16.3	12.2	14.0	15.7	14.1	15.0
12	26.5	25.2	25.9	16.2	15.6	15.9	12.2	9.4	10.1	17.1	15.6	16.3
13	26.4	25.7	26.1	17.4	16.0	16.5	9.8	8.2	8.7	17.3	16.9	17.1
14	25.8	21.0	23.0	17.4	16.1	16.7	8.6	6.8	7.4	16.9	16.8	16.9
15	21.0	18.8	19.7	16.8	15.8	16.2	8.3	6.2	7.1	16.9	15.6	16.6
16	19.4	18.0	18.8	15.8	12.8	13.8	10.0	7.4	8.5	15.6	13.6	14.3
17	19.4	18.0	18.7	13.1	11.4	12.3	11.9	9.3	10.5	15.6	13.9	14.9
18	19.4	17.9	18.8	13.4	11.8	12.5	13.6	11.9	12.4	16.8	15.5	16.1
19	19.6	17.9	18.9	13.4	13.1	13.2	15.1	13.0	14.0	16.8	15.5	16.3
20	20.9	18.9	19.7	15.1	13.3	14.0	15.2	14.3	14.8	15.5	13.9	14.9
21	22.0	20.2	21.0	17.8	15.0	16.3	16.0	15.1	15.5	15.9	14.8	15.3
22	22.6	21.1	21.9	18.5	17.7	18.0	16.5	15.6	16.0	16.0	15.9	15.9
23	22.1	21.4	21.8	18.2	16.6	17.3	16.2	16.0	16.1	15.9	14.6	15.2
24	23.4	21.7	22.5	17.0	16.1	16.5	16.9	16.1	16.5	14.6	13.0	13.7
25	24.5	23.2	23.8	16.9	15.4	16.3	17.1	15.3	16.1	13.8	12.6	13.2
26	24.6	21.8	23.9	17.9	15.9	16.8	16.2	14.5	15.4	13.7	13.1	13.5
27	21.8	18.2	19.5	18.8	17.2	17.9	14.5	11.6	12.7	13.4	11.9	12.5
28	18.2	16.8	17.3	19.2	18.2	18.7	12.0	10.7	11.3	12.5	11.1	11.8
29	17.1	16.5	16.8	20.0	19.2	19.6	11.1	9.1	10.1	13.9	11.8	12.8
30	18.3	16.4	17.3	19.7	17.7	18.6	10.7	8.7	9.8	15.1	13.0	14.1
31	19.8	18.0	18.9	---	---	---	11.3	9.6	10.4	15.3	14.4	14.8
MONTH	29.1	16.4	22.9	21.7	11.4	16.6	18.3	6.2	13.3	18.2	9.8	14.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	15.3	14.0	14.6	18.2	16.3	17.2	22.7	21.5	22.1	23.5	21.7	22.7
2	15.4	14.6	15.2	16.6	15.1	15.9	22.9	21.7	22.3	24.7	22.5	23.6
3	14.6	13.7	14.1	15.5	13.7	14.8	24.0	22.7	23.3	25.4	23.7	24.6
4	13.9	12.0	13.0	16.2	14.2	15.2	23.7	21.6	22.7	26.5	24.4	25.2
5	12.7	11.8	12.2	16.9	15.6	16.3	21.9	19.2	20.8	26.7	25.1	25.9
6	12.0	11.2	11.6	18.0	16.8	17.3	21.6	19.8	20.9	26.7	25.7	26.2
7	12.4	10.4	11.4	19.1	17.7	18.2	22.1	20.8	21.4	27.7	26.0	26.6
8	14.0	11.4	12.3	19.3	17.1	18.9	23.2	21.9	22.5	28.6	26.5	27.1
9	13.4	13.0	13.2	17.1	14.3	15.2	23.0	21.8	22.4	28.2	26.5	27.5
10	16.1	13.2	14.3	14.8	12.9	13.8	22.3	19.6	20.9	28.1	26.8	27.4
11	16.2	15.0	15.6	13.7	10.7	11.8	21.5	19.4	20.3	27.9	25.5	26.5
12	17.4	14.9	15.7	11.6	9.7	10.8	21.4	19.8	20.6	28.2	26.1	27.0
13	17.1	15.5	16.3	12.5	10.6	11.6	21.7	19.9	21.3	27.6	26.0	26.8
14	16.5	15.4	16.1	13.6	11.8	12.6	22.7	21.2	22.0	27.3	26.0	26.6
15	15.4	14.8	15.2	16.6	12.9	14.5	23.5	22.0	22.8	29.1	26.4	27.4
16	15.4	15.0	15.2	17.7	15.1	16.6	24.4	22.9	23.7	28.8	26.9	27.5
17	15.9	14.5	15.2	18.2	17.5	17.9	25.1	24.0	24.5	29.0	27.0	27.8
18	16.3	14.3	15.4	18.1	17.9	18.0	25.7	24.1	24.8	29.3	27.3	28.3
19	16.3	14.8	15.3	18.9	17.9	18.2	24.3	22.0	22.8	30.0	28.3	29.0
20	15.4	14.1	14.8	18.4	15.9	16.9	22.8	20.5	21.7	30.8	28.6	29.6
21	16.2	14.6	15.5	15.9	14.1	15.0	23.0	21.2	22.0	29.9	28.7	29.3
22	16.6	15.4	16.0	16.4	14.3	15.1	22.0	20.5	21.3	29.1	27.8	28.4
23	16.1	14.1	15.1	17.5	14.9	16.0	21.9	20.0	20.9	29.0	27.1	28.0
24	17.1	14.9	15.8	19.1	16.0	17.4	22.6	20.6	21.3	29.4	27.3	28.1
25	18.1	15.6	16.9	20.1	18.1	19.1	22.2	20.7	21.4	29.8	27.3	28.3
26	18.5	17.0	17.9	21.3	19.0	20.1	23.0	21.1	22.0	29.7	27.6	28.7
27	18.3	17.4	17.8	21.6	20.0	20.8	23.6	21.9	22.8	29.3	28.1	28.7
28	18.9	17.4	18.2	22.6	20.9	21.7	24.5	21.1	22.5	29.8	28.2	28.9
29	---	---	---	23.0	21.8	22.4	21.1	20.3	20.6	30.3	28.6	29.2
30	---	---	---	23.5	22.0	22.8	22.4	20.2	21.2	30.3	28.4	29.2
31	---	---	---	23.1	22.5	22.9	---	---	---	30.5	29.2	29.8
MONTH	18.9	10.4	15.0	23.5	9.7	16.9	25.7	19.2	22.0	30.8	21.7	27.4

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA---Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	31.1	29.4	30.2	32.1	29.6	30.5	33.0	30.8	31.8	31.0	28.2	29.5
2	30.9	29.6	30.2	31.1	29.5	30.2	32.2	30.9	31.5	28.2	27.3	27.6
3	31.0	29.1	30.1	31.2	29.2	30.0	31.1	30.1	30.5	29.7	26.9	27.8
4	30.2	28.9	29.5	32.7	29.7	30.7	30.1	29.3	29.6	30.1	28.4	29.1
5	30.5	28.9	29.6	32.4	30.4	31.3	30.7	28.8	29.7	29.5	28.5	28.8
6	29.9	27.5	28.6	33.3	30.8	31.9	31.2	29.5	30.4	28.6	27.7	28.2
7	27.5	25.9	26.5	33.9	31.2	32.4	32.4	30.0	31.0	27.8	27.1	27.5
8	27.3	25.2	26.1	34.1	31.6	32.7	32.8	30.7	31.5	27.2	26.8	27.0
9	29.1	26.8	27.9	32.6	31.4	32.0	32.2	30.9	31.5	26.9	26.1	26.6
10	30.4	28.1	29.3	32.4	30.7	31.5	32.9	30.8	31.5	26.1	25.3	25.7
11	30.7	28.7	29.6	31.9	30.6	31.1	33.5	31.3	32.1	25.6	25.3	25.4
12	31.3	29.4	30.2	31.7	30.2	30.9	32.4	31.5	32.0	25.6	25.0	25.3
13	31.4	29.7	30.4	31.5	30.2	30.9	32.1	30.8	31.3	25.5	25.2	25.3
14	30.6	29.5	30.1	30.7	29.9	30.2	31.1	29.7	30.4	27.3	25.3	26.2
15	30.2	28.7	29.5	31.3	29.4	30.4	29.8	28.7	29.4	28.4	26.5	27.4
16	31.0	28.8	29.8	31.0	30.0	30.4	31.1	28.6	29.6	28.6	27.2	27.9
17	31.3	29.5	30.3	31.1	29.5	30.2	31.7	29.5	30.4	27.8	26.8	27.3
18	32.8	29.9	31.1	31.8	29.0	30.1	31.3	30.2	30.7	28.1	26.6	27.4
19	32.5	30.8	31.4	32.4	30.0	31.1	30.6	29.7	30.2	28.0	27.1	27.5
20	32.7	30.4	31.6	32.6	30.9	31.5	30.7	29.3	30.0	28.2	26.8	27.5
21	33.3	30.5	31.5	31.9	29.9	30.7	29.7	28.4	29.1	28.5	27.8	28.0
22	32.7	30.5	31.5	31.7	29.5	30.3	29.7	28.0	28.8	29.3	28.0	28.5
23	33.8	31.1	32.0	32.0	29.9	30.6	30.5	28.8	29.7	30.3	28.4	29.3
24	33.4	31.6	32.4	30.5	29.5	30.1	31.7	29.6	30.7	30.1	28.8	29.4
25	32.4	29.4	30.9	32.0	29.5	30.5	32.3	31.0	31.5	29.4	27.9	28.6
26	29.4	27.4	28.2	30.9	30.0	30.3	32.6	31.0	31.7	28.7	27.5	28.0
27	27.5	26.5	27.0	30.8	29.4	30.1	33.8	31.1	32.1	28.1	25.2	26.7
28	28.4	26.2	27.3	32.2	29.8	30.6	33.4	31.7	32.5	25.2	24.2	24.5
29	30.8	28.1	29.2	32.2	30.3	31.1	34.0	31.7	32.7	25.2	23.9	24.5
30	32.3	29.4	30.2	32.5	30.6	31.4	33.2	31.8	32.3	26.3	24.4	25.3
31	---	---	---	32.0	30.7	31.5	32.0	31.0	31.6	---	---	---
MONTH	33.8	25.2	29.7	34.1	29.0	30.9	34.0	28.0	30.9	31.0	23.9	27.3

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA

LOCATION.--Lat 29°16' 32", long 89°56' 29", Jefferson Parish, Hydrologic Unit 08090301, on a walkway near the Grand Terre Marine Lab on Grand Terre Island, 1.0 mi east of Grand Isle.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide. Satellite telemetry and raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.05 ft, July 18, 1997 (Hurricane Danny); minimum recorded, -1.47 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 3.44 ft, Sept. 8; minimum, -1.47 ft, Dec. 31.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.90	.34	.53	1.72	.61	1.06	1.06	-.39	.34	.49	-1.13	-.48
2	.89	.45	.57	1.37	.13	.68	1.13	-.32	.36	.61	-.56	.02
3	.94	.23	.56	1.10	-.19	.30	1.29	-.17	.53	.61	-.18	.22
4	1.33	.38	.75	1.03	-.49	.16	1.21	-.57	.18	.64	.20	.46
5	1.32	.33	.80	1.03	-.05	.48	.64	-.59	-.03	.83	.47	.66
6	1.50	.54	.96	1.01	-.28	.37	.44	-.45	-.05	1.15	.23	.72
7	1.90	.61	1.18	.70	-.43	.11	.59	-.30	.05	1.55	.23	1.12
8	1.99	.94	1.48	.56	-.09	.25	.71	.26	.55	.67	-.37	.26
9	2.05	.85	1.50	.57	.00	.35	1.11	.25	.64	.70	-.79	.03
10	2.18	.93	1.60	.67	.34	.46	1.00	.10	.57	---	---	---
11	2.09	1.21	1.71	.95	.16	.55	.98	-.34	.28	---	---	---
12	2.43	1.39	1.94	1.49	.60	1.08	.93	-.77	.08	---	---	---
13	2.22	1.50	1.87	1.63	.66	1.13	.76	-.78	.06	---	---	---
14	1.59	1.07	1.28	1.29	-.03	.64	.36	-1.02	-.31	---	---	---
15	1.55	1.13	1.39	1.07	-.36	.33	.43	-1.05	-.34	---	---	---
16	1.59	.80	1.22	.94	-.84	.02	.37	-1.13	-.43	---	---	---
17	1.69	.47	1.08	.96	-.53	.19	.50	-.68	-.10	---	---	---
18	1.68	.33	.98	1.35	-.28	.41	.49	-.67	-.12	---	---	---
19	1.55	.23	.84	1.35	-.31	.36	.42	-.43	-.02	---	---	---
20	1.33	-.01	.63	1.11	.24	.66	.51	-.33	.09	---	---	---
21	1.25	.00	.61	1.11	.27	.68	.68	.28	.52	1.14	.25	.69
22	1.21	.16	.66	1.06	.30	.59	.75	.19	.48	1.79	.74	1.19
23	1.63	.47	.94	.80	.15	.44	.86	.22	.54	1.23	.10	.75
24	1.75	.88	1.28	.62	.28	.47	1.07	.11	.75	1.10	-.19	.46
25	1.48	.98	1.23	.77	-.07	.35	.84	-.22	.31	1.13	-.24	.45
26	1.61	.84	1.27	.78	.12	.41	1.47	-.04	.59	1.55	-.09	.73
27	1.01	.75	.86	1.19	.02	.58	.54	-.58	.01	1.08	-.46	.30
28	.97	.67	.81	1.68	.19	.83	1.06	-.68	.08	.90	-.60	.15
29	.96	.45	.69	1.66	.51	1.09	.29	-1.23	-.50	.89	-.23	.32
30	1.30	.22	.75	1.45	-.13	.64	.24	-1.43	-.58	.89	-.18	.33
31	1.47	.66	1.04	---	---	---	.08	-1.47	-.72	1.02	.32	.65
MONTH	2.43	-.01	1.06	1.72	-.84	.52	1.47	-1.47	.12	---	---	---

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN		
FEBRUARY						MARCH			APRIL			MAY		
1	1.47	.80	1.03	.86	.34	.58	1.70	.41	1.12	1.63	.35	1.03		
2	2.03	.89	1.69	.63	-.21	.34	1.72	.57	1.19	1.35	.38	.89		
3	---	---	---	.65	-.21	.24	1.56	.32	1.05	1.22	.36	.81		
4	---	---	---	1.08	-.18	.52	1.21	.20	.73	1.12	.48	.86		
5	---	---	---	1.43	.17	.90	1.04	.11	.63	1.17	.72	.99		
6	---	---	---	1.62	.36	1.04	1.22	.39	.84	1.30	1.07	1.16		
7	.53	-.82	-.12	2.19	.66	1.53	1.26	.75	1.05	1.46	.91	1.20		
8	.42	-.75	-.18	1.99	.69	1.50	1.38	.86	1.13	1.39	.89	1.13		
9	.69	-.89	-.13	.75	-.13	.38	1.27	.36	.67	1.67	.87	1.32		
10	1.43	-.45	.30	.35	-.32	.08	.56	.09	.31	1.68	.42	1.11		
11	1.12	-.09	.30	.35	-.27	.02	.54	.12	.28	1.45	.43	.94		
12	.62	-.39	.07	.37	-.33	.01	.84	.24	.58	1.58	.39	.99		
13	.62	.01	.30	.40	.17	.25	1.69	.53	1.07	1.72	.51	1.08		
14	1.09	-.04	.38	.47	.14	.28	1.33	.35	.87	1.84	.44	1.19		
15	2.56	1.00	1.66	.53	.18	.40	1.62	.44	1.06	1.76	.28	1.07		
16	1.81	1.32	1.49	1.27	.39	.89	1.84	.58	1.27	1.49	.25	.89		
17	1.39	.49	1.11	1.78	.95	1.36	1.74	.53	1.22	1.36	.24	.84		
18	.81	.20	.54	1.77	.94	1.38	1.70	.52	1.14	1.37	.23	.90		
19	1.04	.07	.53	1.83	.89	1.41	1.35	.17	.88	1.47	.69	1.11		
20	.78	-.14	.38	1.25	-.10	.83	1.32	.15	.82	1.29	.80	1.08		
21	.88	-.16	.40	.99	-.15	.47	1.18	.39	.84	1.23	.84	1.03		
22	2.08	.24	1.09	1.01	-.13	.48	.60	.08	.41	1.21	.60	.92		
23	.78	-.57	.16	1.00	-.03	.49	.54	.24	.41	1.50	.43	.99		
24	.63	-.50	.06	1.09	-.03	.57	.54	.20	.37	1.53	.28	.97		
25	1.26	-.27	.43	.99	.21	.60	.94	.21	.61	1.76	.37	1.09		
26	1.81	.43	1.11	1.08	.30	.64	1.58	.38	.99	1.95	.28	1.18		
27	1.71	.62	1.00	1.19	.79	.94	1.56	.30	.97	2.03	.42	1.21		
28	1.37	.61	.92	1.15	.76	.96	2.23	.56	1.50	2.04	.44	1.31		
29	---	---	---	1.27	.57	1.00	2.68	.99	1.85	1.87	.44	1.24		
30	---	---	---	1.72	.72	1.24	2.03	.37	1.35	1.62	.44	1.06		
31	---	---	---	2.06	.41	1.39	---	---	---	1.41	.46	.96		
MONTH	---	---	---	2.19	-.33	.73	2.68	.08	.91	2.04	.23	1.05		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN		
JUNE						JULY			AUGUST			SEPTEMBER		
1	1.19	.50	.87	.80	.41	.61	1.07	.25	.67	2.25	1.29	1.68		
2	.98	.46	.72	.93	.48	.68	1.23	.30	.79	2.98	1.06	2.04		
3	.88	.43	.73	1.09	.31	.71	1.75	.63	1.19	2.84	1.52	2.14		
4	1.43	.83	1.09	1.26	.29	.76	1.89	.51	1.18	2.42	.96	1.78		
5	1.44	.60	1.03	1.18	.16	.68	1.77	.28	1.05	2.54	1.32	1.98		
6	1.61	.53	1.05	1.16	-.08	.57	1.69	.45	1.05	3.15	2.20	2.74		
7	1.46	.33	.91	1.39	.09	.72	1.84	.35	1.15	3.19	2.47	2.96		
8	1.69	.57	1.12	1.37	-.10	.64	1.82	.44	1.15	3.44	2.80	3.13		
9	1.88	.40	1.18	1.34	-.18	.61	1.50	.35	.97	---	---	---		
10	1.69	.32	1.04	1.11	-.28	.45	1.26	.48	.87	---	---	---		
11	1.77	.12	1.00	1.07	-.30	.40	1.17	.61	.94	---	---	---		
12	1.51	.07	.83	1.01	-.22	.43	.94	.68	.82	---	---	---		
13	1.28	-.04	.66	1.06	-.05	.58	.98	.40	.73	---	---	---		
14	1.31	.03	.70	1.12	.20	.58	1.18	.26	.72	---	---	---		
15	1.18	.15	.77	.74	.34	.57	1.31	-.05	.80	---	---	---		
16	1.21	.44	.89	.68	-.03	.43	1.54	.22	.91	2.54	1.24	1.93		
17	1.02	.55	.82	.76	-.14	.39	1.55	.10	.88	2.90	1.78	2.28		
18	1.06	.66	.84	.94	-.27	.47	1.52	.26	.89	2.70	1.73	2.07		
19	1.15	.35	.74	1.17	-.14	.53	1.63	.36	1.01	---	---	---		
20	1.08	.00	.56	1.28	-.15	.60	1.78	.66	1.25	---	---	---		
21	1.34	-.13	.63	1.40	-.05	.67	2.14	1.06	1.57	---	---	---		
22	1.32	-.18	.58	1.41	-.05	.71	2.13	1.21	1.65	---	---	---		
23	1.35	-.18	.62	1.49	.06	.77	1.77	1.20	1.47	---	---	---		
24	1.44	-.26	.65	1.39	.14	.71	1.73	1.17	1.46	1.70	.94	1.32		
25	1.71	.02	.92	1.25	-.02	.69	1.40	1.20	1.33	1.92	1.09	1.46		
26	1.97	.42	1.13	1.10	.10	.63	1.46	1.01	1.18	1.96	.46	1.22		
27	1.61	.36	1.03	.97	.30	.68	1.26	.80	1.00	2.00	1.20	1.63		
28	1.36	.33	.89	.96	.49	.75	1.28	.75	1.01	2.25	.65	1.40		
29	.95	.31	.64	.95	.60	.79	1.45	.68	1.08	1.21	-.04	.61		
30	.92	.44	.68	.97	.52	.76	1.58	.73	1.18	1.54	.16	.89		
31	---	---	---	1.05	.45	.76	1.89	.81	1.32	---	---	---		
MONTH	1.97	-.26	.84	1.49	-.30	.62	2.14	-.05	1.07	---	---	---		

MISSISSIPPI RIVER DELTA
073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURES: July 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 56,500 microsiemens, Jan. 3, 1998; minimum daily, 3,330 microsiemens, July 13, 1997.

WATER TEMPERATURES: Maximum daily, 36.5° C, June 26, 1996; minimum daily, 2.5° C, Jan. 8, 1996.

REMARKS.--Only mean specific conductance published this year.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum daily, 35.0° C, Aug. 1; minimum daily, 6.1° C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36700	44200	32300	41800	22200	28900	23200	24500	28600	25100	32600	37100
2	---	42300	---	46600	22500	24000	21800	31400	35700	35100	33200	37400
3	40700	42100	39400	49600	---	30100	23600	35300	37000	33500	36800	38100
4	42700	41800	35900	47400	---	40700	22700	30100	37400	27100	40600	40400
5	42600	41900	33600	42600	---	41700	---	28500	29600	25000	37900	39600
6	43600	42900	29300	38400	---	36900	25900	28300	27400	25100	38600	40000
7	42900	42900	33000	33900	24200	30200	30300	20600	21400	30400	37300	38900
8	43400	41400	42200	29700	30600	27700	30100	19500	27100	35500	36300	39300
9	42100	38600	43100	30900	34500	25100	27800	26800	30100	35700	37000	37900
10	40500	43100	42200	---	40400	22200	24700	29000	31100	36400	36800	37200
11	39700	45600	37900	---	37300	17300	25400	23600	30700	36800	35300	---
12	39400	45200	38200	---	32800	21600	34400	31000	29500	40900	34800	---
13	39800	43400	36900	---	31800	40900	36100	33100	28400	44700	35500	---
14	38400	42000	34600	---	33800	40300	35800	32700	34400	46600	35500	---
15	35900	42400	34400	---	36800	39300	34400	30900	42500	46200	36000	---
16	35300	41800	34700	---	37500	39200	33800	26200	43500	46100	36100	30900
17	36900	39700	38000	---	37300	32600	26900	24200	40300	39500	37000	32500
18	38400	---	41600	---	---	27200	27400	28500	37300	44300	35500	---
19	37800	42900	42900	---	28700	24900	24100	---	30400	45600	32300	---
20	39900	44100	38500	---	26500	24600	24000	32300	32400	42300	31500	---
21	39800	44100	38500	34800	26900	24800	26200	33100	33200	39400	32800	---
22	39800	43200	32000	33800	28600	28500	25900	33100	33500	32600	35100	---
23	39800	39300	33600	27700	23900	29800	25200	36600	32900	29000	34300	---
24	---	40400	35900	24100	26400	35800	27200	35000	31000	26400	34400	19300
25	44500	39700	34800	23100	32900	34800	38200	29000	29700	27000	35100	21600
26	42200	41000	35900	27600	34500	33900	37300	23500	28400	27400	35300	25000
27	40500	42200	36300	26400	32600	29800	30700	21000	27600	25700	35900	27600
28	39200	42300	36600	22200	29200	28800	27900	19800	27500	26100	34800	27300
29	39900	41100	37900	26400	---	28000	24200	19000	25300	26800	36700	26300
30	40800	29900	37200	22800	---	27100	23100	21700	25300	29700	39000	26200
31	43100	---	33100	19000	---	25000	---	26400	---	33600	38200	---
MEAN	40200	41800	36700	---	31000	30400	28200	27800	31600	34400	35700	---
MAX	44500	45600	43100	---	40400	41700	38200	36600	43500	46600	40600	---
MIN	35300	29900	29300	---	22200	17300	21800	19000	21400	25000	31500	---

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	30.4	26.8	28.2	23.0	20.9	21.8	17.5	15.4	16.4	14.3	11.5	13.3
2	30.4	25.6	27.1	22.1	19.4	20.6	18.0	16.2	17.3	16.3	13.2	14.4
3	27.9	26.0	27.1	19.4	17.3	18.3	18.7	17.9	18.3	17.5	15.6	16.5
4	27.5	25.9	26.8	19.8	16.2	17.7	18.2	15.4	17.0	18.6	16.7	17.6
5	27.9	25.8	26.8	19.4	17.7	18.7	15.4	12.8	13.8	18.5	18.1	18.4
6	28.3	26.4	27.4	20.3	18.2	19.4	14.0	11.4	12.8	18.1	17.6	17.8
7	28.0	26.5	27.3	18.2	14.7	16.4	15.1	11.1	13.1	18.1	17.8	18.0
8	28.1	26.0	27.1	16.6	13.3	14.7	17.2	14.4	15.6	17.9	15.3	16.6
9	28.3	26.5	27.3	17.6	14.5	16.1	17.6	15.9	17.0	15.5	12.8	14.3
10	27.8	26.0	26.7	17.7	16.3	17.1	19.3	17.6	18.3	---	---	---
11	27.0	25.1	26.1	16.7	16.0	16.2	17.8	12.3	14.7	---	---	---
12	27.9	25.2	26.3	18.1	16.1	17.2	12.3	9.3	10.3	---	---	---
13	27.5	26.1	26.6	19.2	17.8	18.5	9.3	8.2	8.7	---	---	---
14	26.1	20.4	22.9	18.8	17.2	17.8	8.3	6.9	7.3	---	---	---
15	20.4	17.9	18.9	17.7	16.2	16.9	12.0	6.1	8.0	---	---	---
16	19.4	17.4	18.3	16.5	12.7	14.4	12.6	8.3	10.4	---	---	---
17	20.2	17.5	18.7	12.8	11.0	12.1	14.3	12.6	13.1	---	---	---
18	19.6	18.0	18.9	15.3	12.2	13.3	16.3	13.9	14.8	---	---	---
19	20.1	18.0	18.9	15.1	14.5	14.6	16.7	14.8	15.7	---	---	---
20	21.0	19.4	20.2	16.8	14.5	15.6	16.5	15.1	15.8	---	---	---
21	22.1	20.3	21.3	18.7	16.4	17.5	17.4	16.2	16.7	16.5	15.4	16.0
22	24.1	21.6	22.7	20.9	18.4	19.4	17.3	16.3	16.8	16.5	16.2	16.4
23	23.2	22.2	22.7	19.6	17.2	18.2	16.9	16.5	16.7	16.2	15.0	15.4
24	24.0	22.0	22.9	17.2	15.8	16.6	17.8	16.7	17.1	15.7	13.0	14.5
25	25.0	23.7	24.3	17.0	15.6	16.3	16.9	14.6	15.7	14.2	12.7	13.4
26	25.0	22.4	24.2	17.6	16.1	16.8	15.6	14.3	15.1	14.3	13.4	14.0
27	22.4	18.5	20.2	19.0	17.0	17.9	14.3	10.9	12.4	14.2	11.9	12.7
28	18.5	16.7	17.3	19.7	18.0	18.8	13.2	10.1	11.1	14.5	10.8	12.4
29	17.4	16.5	17.0	20.3	19.6	20.0	10.9	9.0	9.9	14.1	12.5	13.5
30	19.1	17.2	17.9	19.9	17.0	18.2	13.7	8.4	10.6	16.9	12.9	14.4
31	21.1	19.1	20.1	---	---	---	13.4	10.4	11.7	15.5	14.3	14.9
MONTH	30.4	16.5	23.2	23.0	11.0	17.2	19.3	6.1	13.9	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	15.3	14.3	14.8	18.8	16.1	17.4	22.8	19.9	21.1	25.4	22.2	24.1
2	15.2	14.6	15.1	16.4	13.5	15.0	21.9	20.9	21.2	24.0	21.8	22.8
3	---	---	---	16.6	12.9	14.7	24.3	21.4	22.8	24.2	21.8	23.0
4	---	---	---	18.2	14.0	16.8	23.9	21.2	22.4	26.0	23.4	24.5
5	---	---	---	18.6	17.3	17.9	21.9	18.5	19.9	27.1	24.3	25.4
6	---	---	---	19.1	17.7	18.3	20.6	19.3	20.0	27.9	25.0	26.3
7	13.9	10.3	12.0	18.5	17.9	18.2	21.5	20.0	20.7	27.9	25.8	26.9
8	14.5	11.1	13.0	19.2	16.1	18.6	22.9	21.4	21.9	27.9	26.1	27.0
9	15.0	13.3	14.1	16.5	12.7	14.6	24.4	20.4	22.2	27.5	26.2	26.8
10	17.7	14.8	16.0	15.7	12.4	14.0	22.9	19.0	20.8	30.4	26.2	27.8
11	17.2	15.1	16.3	13.4	11.0	12.2	20.4	18.6	19.5	28.3	24.6	26.4
12	17.4	14.0	15.4	14.0	9.3	11.2	21.9	19.7	20.4	28.3	26.1	27.1
13	18.5	15.3	16.7	16.2	13.9	14.8	22.3	19.8	20.8	28.6	25.8	26.8
14	17.6	15.5	16.4	15.2	14.1	14.7	24.4	21.3	22.5	29.3	26.0	27.1
15	16.3	14.9	15.5	18.5	14.6	16.3	25.0	22.5	23.5	30.0	26.8	28.0
16	16.0	15.4	15.8	19.5	16.5	18.0	25.8	23.3	24.2	30.3	26.2	28.3
17	16.9	15.1	15.9	19.2	18.3	18.6	25.5	23.6	24.3	28.9	27.0	28.0
18	17.1	14.8	15.9	18.4	17.5	17.8	25.6	23.9	24.5	28.0	26.8	27.5
19	16.8	13.9	14.7	19.0	17.5	18.0	24.3	21.7	22.9	28.7	27.1	28.0
20	16.2	13.7	14.7	18.5	15.3	16.8	23.1	20.4	21.6	29.6	27.8	28.8
21	16.0	14.7	15.5	16.1	13.8	15.0	23.8	20.6	22.0	29.5	27.9	28.8
22	17.2	15.3	16.2	15.6	13.8	14.8	22.6	20.0	21.4	29.1	27.6	28.3
23	17.3	14.1	15.6	16.4	13.6	15.2	23.2	19.5	21.3	29.7	27.9	28.6
24	17.6	14.6	15.7	17.3	15.7	16.5	22.6	20.9	21.7	31.3	27.5	29.0
25	18.8	15.5	17.0	20.8	16.7	18.7	23.2	21.0	21.9	31.1	27.8	29.3
26	18.5	17.4	17.9	22.7	19.0	20.7	24.3	21.2	22.4	31.5	28.3	29.9
27	20.5	16.3	18.2	23.1	20.4	21.8	24.8	21.9	23.3	33.2	28.9	30.6
28	20.0	17.9	18.8	23.3	21.1	22.1	24.1	20.5	22.5	31.6	29.3	30.2
29	---	---	---	24.3	21.8	22.8	20.6	20.1	20.3	31.1	29.1	29.9
30	---	---	---	25.1	22.2	23.3	25.5	20.1	22.1	30.5	29.2	29.6
31	---	---	---	23.3	21.7	22.5	---	---	---	29.7	28.5	29.0
MONTH	20.5	10.3	15.7	25.1	9.3	17.3	25.8	18.5	21.9	33.2	21.8	27.5

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.0	28.4	29.2	31.1	29.5	30.3	35.0	31.0	32.6	31.1	27.6	29.3
2	29.8	27.9	28.9	30.4	29.0	29.6	33.0	31.1	31.9	28.3	26.7	27.3
3	29.7	27.8	28.8	32.3	28.6	30.0	32.0	29.5	30.7	31.1	26.8	28.4
4	30.9	28.0	29.3	32.6	30.0	31.4	30.7	29.2	30.0	31.4	29.4	30.3
5	31.2	28.3	29.9	33.4	30.1	31.7	32.5	28.8	30.4	31.0	28.7	29.3
6	30.6	27.9	29.0	33.3	31.1	32.2	33.1	30.2	31.6	28.7	27.8	28.2
7	27.9	25.8	26.7	33.2	31.7	32.3	33.4	30.2	31.6	27.8	27.1	27.5
8	28.4	25.2	26.7	33.6	32.1	32.7	34.8	31.5	33.0	27.2	26.7	26.9
9	30.5	27.7	28.8	34.1	31.2	32.4	34.6	32.3	33.3	26.8	25.9	26.5
10	30.6	28.6	29.4	33.7	30.9	32.0	34.0	31.9	32.9	25.9	25.6	25.7
11	30.7	28.7	29.7	32.2	29.8	30.9	33.6	31.8	32.7	---	---	---
12	30.6	29.0	29.7	31.8	29.4	30.4	33.3	32.2	32.8	---	---	---
13	31.7	28.4	29.7	31.6	29.5	30.6	32.7	31.3	32.1	---	---	---
14	30.3	28.6	29.2	31.0	29.4	30.0	32.1	30.0	30.8	---	---	---
15	28.6	27.4	28.1	30.6	29.0	29.9	30.0	29.3	29.7	---	---	---
16	30.6	27.6	28.8	31.2	29.2	30.0	31.6	29.2	30.2	30.6	27.3	28.8
17	32.0	28.8	30.2	30.9	29.6	30.3	32.5	30.8	31.5	29.0	26.9	27.7
18	33.6	30.0	31.5	31.6	29.7	30.3	31.9	30.6	31.4	28.2	27.4	27.7
19	33.1	30.4	32.0	33.2	30.3	31.4	31.4	29.4	30.4	---	---	---
20	33.4	31.5	32.2	34.6	31.7	32.9	30.9	29.3	30.1	---	---	---
21	32.7	31.1	31.9	33.4	29.9	31.2	29.8	28.6	29.2	---	---	---
22	33.3	30.4	31.6	31.9	28.9	30.3	30.2	27.9	28.8	---	---	---
23	33.7	31.2	32.1	31.1	30.4	30.7	31.1	29.0	29.8	---	---	---
24	33.0	31.2	32.1	30.4	29.3	29.8	31.7	30.0	30.7	30.9	29.3	29.9
25	32.1	29.2	30.6	31.1	29.6	30.2	32.3	30.4	31.3	29.4	28.1	28.7
26	29.2	27.5	28.1	31.1	29.5	30.1	33.1	30.7	31.8	29.6	27.3	28.5
27	27.5	26.7	27.0	31.6	29.8	30.5	33.6	31.2	32.4	28.9	25.0	26.7
28	28.6	26.3	27.0	31.5	30.6	31.0	33.8	31.8	32.7	25.0	24.0	24.5
29	30.1	28.4	29.0	32.3	30.5	31.2	33.0	31.5	32.1	25.8	24.5	25.1
30	32.3	28.8	30.1	32.9	30.9	31.7	33.1	31.7	32.3	28.2	24.6	26.2
31	---	---	---	32.8	30.9	31.7	32.4	31.1	31.7	---	---	---
MONTH	33.7	25.2	29.6	34.6	28.6	31.0	35.0	27.9	31.4	---	---	---

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA

LOCATION.--Lat 29°31'03", long 90°10'53", T. 19 S., R. 22 E., Lafourche Parish, Hydrologic Unit 08090301, on platform in Little Lake, 9.3 mi southeast of Cutoff.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 5.08 ft, Aug. 26, 1992; minimum recorded, -0.81 ft, Dec. 8, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 4.06 ft, Sept. 11; minimum recorded, -0.69 ft, Dec. 14, 30.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.89	.52	.66	1.38	.73	1.10	1.04	.41	.72	.13	-.46	-.20
2	.93	.68	.78	1.31	.48	.77	1.08	.54	.80	.48	-.05	.23
3	.96	.55	.76	.87	.03	.41	1.25	.68	.95	.71	.42	.55
4	1.19	.77	.97	.60	-.04	.30	1.10	.19	.58	.98	.71	.84
5	1.41	.90	1.16	.84	.29	.57	.52	-.04	.24	1.32	.98	1.17
6	1.45	1.11	1.27	.87	.06	.47	.39	-.12	.15	1.99	.95	1.31
7	1.77	1.35	1.58	.30	-.35	.00	.50	.05	.23	1.99	1.45	1.72
8	2.18	1.62	1.87	.22	-.14	.02	.92	.49	.75	1.45	.58	.86
9	2.18	1.73	1.97	.43	.09	.28	1.16	.56	.80	1.08	.44	.70
10	2.38	1.81	2.08	.58	.39	.49	1.16	.64	.83	1.05	.38	.70
11	2.35	1.94	2.15	.77	.26	.49	.83	.18	.44	1.07	.44	.74
12	2.71	2.06	2.42	1.33	.75	1.07	.44	-.24	.06	1.35	.62	.96
13	2.71	2.03	2.42	1.33	.94	1.15	.36	-.40	-.03	1.50	.79	1.07
14	2.13	1.31	1.66	1.21	.58	.88	.23	-.69	-.32	1.65	1.15	1.39
15	1.48	1.18	1.31	1.13	.30	.62	.07	-.62	-.31	1.69	.84	1.32
16	1.48	.96	1.24	.78	-.16	.24	.20	-.52	-.17	.84	.44	.61
17	1.35	.81	1.10	.52	-.01	.24	.30	-.30	.02	.76	.37	.54
18	1.37	.76	1.04	.81	.14	.46	.46	-.16	.15	.77	.42	.55
19	1.30	.71	1.00	.97	.18	.55	.51	.03	.30	.78	.33	.54
20	1.22	.62	.92	.87	.51	.67	.66	.23	.45	1.18	.48	.78
21	1.15	.53	.86	1.01	.51	.77	.96	.66	.83	1.45	.83	1.08
22	1.09	.54	.83	1.06	.47	.73	.96	.58	.75	1.79	1.34	1.56
23	1.45	.73	1.08	.76	.25	.47	1.11	.77	.94	1.64	.92	1.20
24	1.66	1.12	1.38	.65	.47	.56	1.15	.65	.94	1.16	.52	.83
25	1.55	1.31	1.46	.77	.23	.48	1.12	.53	.77	1.31	.58	.90
26	---	---	---	.79	.41	.58	1.05	.58	.82	1.44	.92	1.19
27	---	---	---	1.14	.41	.69	.85	-.19	.18	1.43	.50	.88
28	---	---	---	1.61	.66	1.00	.45	-.10	.21	.98	.41	.67
29	1.04	.73	.87	1.72	1.22	1.44	.32	-.68	-.30	1.03	.52	.77
30	1.16	.62	.84	1.52	.63	.97	.02	-.69	-.35	1.06	.54	.79
31	1.33	.85	1.08	---	---	---	.11	-.61	-.27	1.27	.83	1.02
MONTH	---	---	---	1.72	-.35	.62	1.25	-.69	.36	1.99	-.46	.88

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.13	1.26	1.49	.95	.43	.64	2.01	1.48	1.73	1.70	1.35	1.52
2	2.13	1.34	1.79	.57	.12	.37	1.96	1.41	1.67	1.44	1.19	1.31
3	1.49	.49	.88	.69	.02	.35	1.63	1.28	1.46	1.25	1.03	1.15
4	.81	.20	.48	1.21	.23	.73	1.33	.89	1.12	1.33	.90	1.12
5	.71	.16	.45	1.59	.68	1.09	1.21	.75	.96	1.68	1.11	1.35
6	.64	.08	.35	2.08	1.03	1.42	1.55	.85	1.13	1.87	1.54	1.68
7	.73	.08	.36	2.39	1.76	2.03	1.67	1.27	1.46	1.79	1.29	1.62
8	.83	.20	.50	2.35	.96	1.69	1.60	1.31	1.44	1.54	1.28	1.42
9	1.05	.32	.63	1.31	.55	.79	1.47	.59	.99	1.93	1.42	1.71
10	1.40	.53	.87	.78	.20	.44	.63	.18	.40	1.65	1.12	1.47
11	1.40	.59	.88	.42	-.03	.16	.60	.13	.38	1.53	.97	1.24
12	.93	.42	.65	.42	-.08	.18	1.06	.32	.77	1.62	1.04	1.34
13	.96	.54	.74	.61	.35	.46	1.79	1.06	1.46	1.84	1.17	1.53
14	1.28	.60	.90	.61	.46	.53	1.49	1.13	1.27	1.94	1.31	1.66
15	2.84	1.21	2.04	.93	.61	.77	1.74	1.01	1.42	1.83	1.31	1.57
16	2.17	1.60	1.89	1.81	.83	1.27	2.09	1.33	1.69	1.57	1.13	1.32
17	1.68	.98	1.34	2.00	1.51	1.78	2.06	1.42	1.69	1.45	.83	1.15
18	1.18	.91	1.04	1.96	1.46	1.71	1.88	1.42	1.66	1.41	.81	1.13
19	1.15	.68	.90	1.87	1.44	1.66	1.66	.94	1.13	1.53	1.02	1.29
20	.96	.49	.73	1.47	.76	1.02	1.27	.65	.98	1.45	1.14	1.31
21	1.26	.37	.79	.90	.34	.62	1.19	.79	.98	1.37	1.16	1.26
22	1.88	.94	1.28	.92	.40	.67	.89	.19	.44	1.46	1.07	1.27
23	1.08	.36	.65	1.04	.41	.69	.45	.29	.38	1.68	1.13	1.39
24	.86	.24	.52	1.21	.59	.88	.63	.45	.53	1.72	1.08	1.46
25	1.53	.59	.91	1.48	.83	1.13	1.16	.51	.92	1.87	1.08	1.54
26	1.62	1.04	1.38	1.72	1.17	1.43	1.68	1.05	1.44	1.95	1.21	1.59
27	1.62	1.16	1.33	1.91	1.54	1.72	1.85	1.20	1.57	1.91	1.24	1.63
28	1.49	.91	1.23	1.80	1.47	1.61	2.98	1.28	2.20	2.10	1.36	1.73
29	---	---	---	1.98	1.46	1.74	3.22	2.35	2.72	2.00	1.39	1.68
30	---	---	---	2.20	1.58	1.93	2.35	1.70	2.00	1.78	1.30	1.51
31	---	---	---	2.38	1.85	2.08	---	---	---	1.55	1.15	1.34
MONTH	2.84	.08	.96	2.39	-.08	1.08	3.22	.13	1.27	2.10	.81	1.43

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.29	1.02	1.16	.99	.82	.90	1.08	.62	.87	2.39	1.42	2.14
2	1.17	.93	1.04	1.25	.77	1.07	1.22	.68	1.03	2.93	1.77	2.39
3	1.28	.89	1.09	1.44	.92	1.19	1.75	1.01	1.45	2.54	1.77	2.20
4	1.71	1.18	1.48	1.39	.81	1.12	1.84	1.16	1.55	2.36	1.84	2.12
5	1.85	1.32	1.61	1.14	.58	.91	1.71	1.04	1.39	2.30	1.76	2.01
6	1.88	1.32	1.63	1.00	.44	.76	1.69	1.00	1.37	2.21	1.73	1.90
7	1.69	1.14	1.42	1.22	.44	.89	1.75	1.13	1.45	2.28	1.75	1.98
8	1.93	1.11	1.53	1.30	.62	.97	1.74	1.15	1.45	2.26	2.00	2.11
9	1.96	1.30	1.67	1.26	.56	.89	1.59	1.12	1.34	2.67	1.94	2.18
10	1.86	1.32	1.57	1.01	.43	.70	1.45	1.00	1.19	3.63	2.63	2.96
11	1.81	1.17	1.55	.93	.29	.56	1.39	1.01	1.19	4.06	3.31	3.64
12	1.72	1.19	1.41	.86	.24	.54	1.22	1.02	1.13	4.06	3.20	3.60
13	1.42	.99	1.18	.87	.32	.65	1.22	.87	1.03	3.81	2.85	3.32
14	1.28	.73	.99	.92	.54	.74	1.26	.86	1.06	3.45	2.72	3.08
15	1.41	.83	1.14	.87	.60	.76	1.35	.87	1.12	3.19	2.45	2.85
16	1.57	1.05	1.35	.72	.50	.64	1.51	.91	1.22	3.07	2.40	2.70
17	1.56	1.17	1.39	.75	.26	.53	1.56	.93	1.27	2.99	2.31	2.63
18	1.54	1.17	1.38	.97	.32	.67	1.59	.93	1.27	2.80	2.28	2.50
19	1.43	.86	1.22	1.14	.47	.83	1.68	.96	1.33	3.38	2.30	2.79
20	1.31	.74	1.06	1.31	.47	.91	1.94	1.09	1.57	3.17	2.37	2.61
21	1.42	.75	1.09	1.41	.59	1.05	2.38	1.54	1.95	2.38	1.99	2.22
22	1.47	.76	1.12	1.42	.79	1.11	2.29	1.71	2.00	1.99	1.63	1.78
23	1.47	.75	1.10	1.46	.76	1.13	2.09	1.77	1.92	1.70	1.48	1.58
24	1.46	.74	1.11	1.36	.80	1.08	2.03	1.72	1.86	1.76	1.59	1.67
25	1.90	.77	1.36	1.34	.76	1.10	1.77	1.62	1.69	1.95	1.73	1.82
26	2.22	1.39	1.85	1.22	.77	1.03	1.69	1.34	1.50	2.06	1.63	1.85
27	2.13	1.45	1.75	1.12	.78	.95	1.42	1.21	1.31	1.95	.27	1.34
28	1.71	1.34	1.54	1.12	.81	.99	1.39	1.15	1.26	.79	-.09	.38
29	1.34	.98	1.19	1.09	.81	.98	1.59	1.24	1.41	1.02	.61	.82
30	1.15	.86	.99	1.14	.80	.97	1.72	1.32	1.51	1.43	.93	1.26
31	---	---	---	1.09	.76	.94	1.93	1.42	1.71	---	---	---
MONTH	2.22	.73	1.33	1.46	.24	.89	2.38	.62	1.40	4.06	-.09	2.21

MISSISSIPPI RIVER DELTA
07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 39,200 microsiemens, Oct. 12, 1997; minimum daily, 297 microsiemens, Mar. 11, 1998.

WATER TEMPERATURES: Maximum daily, 34.0°C, Aug. 19, July 3, 1995; minimum daily, 2.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 39,200 microsiemens, Oct. 12; minimum daily, 297 microsiemens, Mar. 11.

WATER TEMPERATURE: Maximum daily, 33.6°C, Aug. 29; minimum daily, 5.9°C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6480	4770	5510	16200	13700	14800	8300	5950	7080	3570	2980	3270
2	5780	4080	5100	14100	11700	12800	7410	5450	6230	4330	3010	3540
3	6340	4660	5660	13700	10200	11500	6720	5570	6240	5310	3520	4750
4	7730	5930	7040	11200	8950	10000	6050	4600	5290	10400	4230	5720
5	10300	7730	9310	12400	8950	11700	5110	3980	4570	12900	7020	9970
6	12000	9310	10600	12500	8810	11400	5680	3890	5200	9990	5070	6210
7	17700	9780	14000	9360	8340	8850	5670	5500	5620	10800	4200	7890
8	28200	16300	23700	8570	7960	8310	6780	5580	6060	7100	4450	5820
9	29800	23700	28300	10100	8090	9160	6930	6210	6550	5150	3060	3710
10	33700	27400	31400	10400	9320	9930	7010	6160	6520	3530	2930	3190
11	33800	30300	32400	10600	9970	10200	6220	5400	5700	3420	2390	2880
12	39200	31100	36600	11900	9980	11200	5450	3650	4630	3380	2210	2810
13	39100	34200	37000	15200	10300	11600	5400	3850	4290	3350	2430	3000
14	35900	23500	32000	16200	9830	11600	5440	4610	5200	3330	2660	3090
15	23500	15700	17600	11700	8420	10200	5530	4610	5190	3150	2660	2960
16	17100	15100	16200	8950	5590	7170	5330	3930	4650	3000	2180	2510
17	16000	13700	14800	7190	5850	6430	5460	3760	4780	2320	1860	2090
18	15500	12900	14100	7890	6000	6530	4480	3910	4190	1890	1490	1670
19	14100	12500	13400	8340	5950	7120	4700	4000	4350	1990	1150	1370
20	14000	12400	13000	8260	6760	7440	4890	4090	4320	1460	1220	1380
21	14400	12200	13000	8380	6570	7430	11600	4160	6410	1630	1230	1420
22	14600	11100	12500	9600	6440	8120	14000	10700	12800	1580	1360	1490
23	14500	10800	12700	7590	6450	6970	12800	7780	9750	1460	1330	1420
24	19800	14500	17400	7370	6390	6750	12500	6890	9150	1410	1280	1320
25	21100	19200	20200	7360	6000	6640	9640	6030	7360	1380	1240	1300
26	---	---	---	7600	6300	6880	8260	5410	7410	1290	1150	1240
27	---	---	---	8800	6400	7570	7280	3860	5300	1330	1070	1180
28	---	---	---	10200	7650	8660	4910	3670	4210	1220	951	1070
29	13700	11400	12400	19900	10200	15200	5510	3610	4490	1240	728	903
30	13300	10500	11500	25400	6850	14000	4970	3150	3810	1010	757	821
31	14600	11800	13300	---	---	---	4300	2860	3430	899	812	836
MONTH	39200	4080	17200	25400	5590	9540	14000	2860	5830	12900	728	2930

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1310	812	1020	848	583	706	14500	5900	9920	15000	7600	10700
2	1210	821	1060	755	476	627	11100	7730	8760	9920	4190	7550
3	1000	870	960	699	403	555	7860	4580	6760	7650	3630	4730
4	1150	730	880	682	446	596	6670	2340	4330	4740	2160	2840
5	1110	810	919	786	544	657	2760	2120	2380	4960	2260	2600
6	943	649	813	867	665	741	2790	2070	2440	6700	4960	5810
7	1150	822	1050	5030	788	1250	3590	2560	3180	7530	4480	6500
8	1150	1060	1120	7030	671	3060	3790	3170	3480	5170	3380	4290
9	1150	1060	1110	922	448	646	3790	1800	2530	7790	3580	5180
10	1150	967	1080	544	332	419	2260	1300	1790	6470	3650	4640
11	1190	959	1040	430	297	349	1300	1150	1190	3650	2740	3280
12	1120	1010	1070	397	312	363	1860	1180	1340	3400	2580	2850
13	1060	925	994	405	327	383	4540	1860	3050	6040	2680	4010
14	1040	749	864	428	400	407	3290	2410	2860	6100	4630	5430
15	11400	903	2700	459	418	436	5890	1980	3060	5300	4320	4920
16	15200	6670	12000	789	414	543	13200	4680	8620	5260	2710	3440
17	15000	1050	4700	9450	488	3700	12800	8250	10700	3320	2650	3050
18	4190	1990	2730	5360	1100	2090	10200	6750	8380	3300	2340	2580
19	2450	1000	1530	5440	1010	2330	8020	3970	5830	3350	2240	2750
20	1230	852	1050	1820	570	1210	4560	2280	3090	3350	2640	3050
21	1030	661	804	636	441	522	4640	1970	3080	3290	2650	2890
22	1510	874	1120	442	409	423	2040	1340	1740	3370	2610	2910
23	1040	629	751	587	417	451	1740	1170	1280	4790	2750	3970
24	739	504	637	591	433	478	1290	1180	1210	5030	2900	4130
25	688	451	496	483	443	465	2430	1290	1940	5660	3190	4710
26	1260	651	849	800	463	548	7950	2170	5180	6860	4040	5390
27	1290	774	1030	4330	525	1620	9200	7360	8530	6990	3650	5460
28	782	742	769	7980	1090	4240	21700	8720	13400	7710	5400	6480
29	---	---	---	8110	1150	4560	21900	19200	20900	7440	5300	6630
30	---	---	---	12900	5130	8690	20500	14600	18000	5820	4290	5050
31	---	---	---	18100	11200	14200	---	---	---	4830	3570	4130
MONTH	15200	451	1610	18100	297	1850	21900	1150	5630	15000	2160	4580
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	3590	2870	3190	4330	2860	3080	1370	1280	1350	20100	14200	16500
2	3730	1890	2520	6280	3170	4830	2470	1320	1810	26100	19300	22900
3	3860	1510	2500	8000	4390	6140	7290	2400	4730	24400	20400	23100
4	5340	2960	3650	6680	3260	4610	15300	6990	10900	25600	20200	23700
5	7970	5200	6980	3260	2360	2560	15400	11300	13400	21900	20500	21200
6	7000	3670	5250	2590	1950	2300	11300	8030	8960	21400	18900	19900
7	4670	3190	3660	3640	1840	2750	12700	7490	9920	19200	17500	18500
8	3710	2420	3120	4380	2260	3310	17200	10400	13700	19600	18600	19300
9	6430	3480	4160	3230	2380	2680	18600	14100	17100	19900	18400	19500
10	5490	3580	4410	2540	1640	1910	17800	13800	15700	23700	18700	21600
11	5440	4020	4470	2840	1630	1700	15100	11100	13200	25200	21100	24200
12	5440	2830	3860	2840	1510	1640	12100	8750	10200	25400	17700	21300
13	3250	2530	3030	1880	1480	1600	9110	5630	7720	19200	16100	17700
14	3400	2370	2740	2990	1570	2280	7380	4660	6240	17700	12500	16000
15	3920	2450	3040	2540	1780	2080	7380	4660	6010	14100	10700	12800
16	5780	2470	3750	2540	1280	1580	8020	4880	6310	11000	6580	9260
17	6000	5390	5630	1300	1100	1200	8240	5380	6920	8380	6580	8030
18	6240	4980	5640	1520	1120	1230	7340	5250	6480	7930	6820	7650
19	6020	2870	5010	1760	1180	1450	8490	4590	6360	7900	6720	7450
20	3530	2460	3050	2240	1310	1700	10600	5860	8090	---	---	---
21	3150	2220	2550	3340	1500	2430	17500	7860	12100	---	---	---
22	2590	2220	2320	4410	2270	3170	19100	15300	17300	---	---	---
23	2350	1850	2060	7210	1790	3750	18600	16900	17600	---	---	---
24	2210	1740	1960	5530	1720	3750	18300	16800	17600	4620	4060	4350
25	6260	1730	3120	7100	1400	3520	19000	14400	16900	4980	3900	4130
26	16800	6100	11000	3620	1530	2060	20400	14100	17600	4930	3930	4350
27	15800	7880	12400	1700	1470	1540	20200	9740	15300	3990	2790	3500
28	13000	7810	9910	2130	1280	1520	18000	8190	13800	3590	2350	2840
29	8380	5930	6880	1600	1330	1430	14700	12100	13200	4460	2430	2940
30	10500	3580	5410	1430	1360	1390	13200	12000	12700	3760	2680	3100
31	---	---	---	2860	1360	1830	14300	12000	13700	---	---	---
MONTH	16800	1510	4580	8000	1100	2480	20400	1280	11100	26100	2350	13700

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	29.1	27.1	28.1	21.5	19.1	20.3	18.0	16.6	17.2	11.2	9.5	10.4
2	28.0	26.3	26.9	20.8	19.5	20.2	17.8	16.7	17.2	12.3	10.4	11.3
3	26.6	25.2	26.0	19.6	17.7	18.7	18.3	17.2	17.7	13.5	11.7	12.6
4	27.1	25.4	26.2	19.0	16.5	17.8	17.7	16.1	17.0	15.1	13.2	14.0
5	27.6	25.9	26.7	19.0	17.3	18.2	16.1	14.2	15.0	16.1	15.1	15.6
6	27.6	26.3	27.0	19.3	17.5	18.5	14.2	12.6	13.5	16.8	15.8	16.2
7	27.9	26.5	27.1	17.5	14.8	16.0	13.0	11.7	12.1	18.0	16.8	17.2
8	27.7	26.4	27.0	15.6	13.8	14.7	13.6	11.8	12.6	17.2	14.8	16.1
9	27.9	26.7	27.2	15.7	14.2	14.9	15.3	13.3	14.2	14.8	13.8	14.2
10	27.3	26.5	26.9	15.7	14.8	15.1	16.8	15.3	16.0	14.9	13.7	14.3
11	27.1	26.0	26.5	15.1	14.7	14.9	15.8	12.2	13.9	15.4	13.6	14.7
12	26.7	25.5	26.1	15.5	15.1	15.3	12.2	9.4	10.7	16.6	15.1	15.8
13	26.3	25.5	26.1	16.0	15.4	15.7	9.4	8.5	9.0	16.8	16.4	16.6
14	25.5	21.4	23.2	17.0	15.9	16.4	8.5	7.0	7.6	16.7	16.4	16.5
15	21.4	19.5	20.1	16.5	15.4	15.9	8.5	5.9	7.4	16.8	15.4	16.3
16	20.1	18.4	19.5	15.6	12.8	14.1	9.1	7.2	8.1	15.4	14.0	14.6
17	19.9	18.3	19.2	12.9	11.7	12.3	10.8	8.4	9.4	15.4	13.9	14.6
18	19.9	18.5	19.2	13.1	11.7	12.4	11.8	9.7	10.6	16.6	14.7	15.7
19	19.9	18.5	19.2	13.0	12.5	12.7	13.4	10.8	11.9	16.6	15.0	15.9
20	21.2	19.1	20.1	14.2	12.9	13.6	13.5	12.5	13.0	15.1	13.6	14.4
21	22.4	20.2	21.0	16.7	14.0	15.3	15.1	13.3	14.0	15.5	14.4	14.9
22	22.0	20.9	21.4	18.0	16.5	17.0	15.6	15.1	15.3	15.7	15.3	15.6
23	21.7	20.9	21.3	17.1	16.2	16.7	15.7	15.3	15.5	15.7	14.3	15.0
24	23.0	21.3	22.1	16.6	15.4	16.0	16.8	15.6	16.1	14.3	13.3	13.8
25	24.0	22.9	23.4	16.9	15.1	15.9	16.3	15.0	15.7	14.2	12.7	13.4
26	---	---	---	17.1	15.4	16.2	15.7	13.9	14.9	13.4	13.1	13.2
27	---	---	---	18.2	16.8	17.4	13.9	11.6	12.9	13.1	11.7	12.5
28	---	---	---	18.5	17.1	17.8	11.7	10.6	11.3	12.8	11.1	12.0
29	17.3	16.8	17.1	19.3	18.4	19.0	10.9	9.3	10.1	13.4	11.8	12.5
30	18.3	16.6	17.5	19.3	17.4	18.6	11.6	8.2	9.9	14.4	12.8	13.6
31	19.3	17.5	18.3	---	---	---	11.4	9.6	10.3	14.8	13.5	14.1
MONTH	29.1	16.6	23.2	21.5	11.7	16.3	18.3	5.9	12.9	18.0	9.5	14.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	15.1	13.6	14.3	18.0	16.5	17.2	22.9	21.7	22.2	24.3	21.8	22.7
2	14.8	14.1	14.6	17.6	14.9	16.1	23.5	21.6	22.6	25.6	22.6	24.0
3	14.1	13.6	13.8	15.7	14.2	14.8	24.5	22.8	23.6	26.0	23.7	24.7
4	13.9	12.8	13.3	16.0	13.8	14.9	23.7	22.0	22.9	25.9	24.6	25.2
5	13.0	12.1	12.5	16.2	15.6	15.9	22.0	20.2	21.1	26.6	25.4	25.9
6	12.3	11.7	12.0	17.1	16.2	16.6	21.6	20.5	21.0	26.5	25.4	26.0
7	13.0	10.8	11.8	18.3	16.8	17.5	21.8	20.3	21.1	27.5	25.7	26.4
8	13.4	11.1	12.2	18.9	17.0	18.4	22.9	21.5	22.2	28.3	26.1	26.7
9	13.1	12.2	12.7	17.0	14.4	15.1	22.9	21.2	22.3	28.1	26.7	27.3
10	14.6	12.4	13.5	14.5	12.9	13.7	22.0	20.1	21.1	28.6	26.8	27.4
11	15.8	14.1	14.9	13.4	11.5	12.4	21.4	19.1	20.2	28.2	26.1	26.9
12	15.8	14.4	15.1	12.5	10.4	11.5	21.6	20.1	20.9	28.1	26.8	27.3
13	16.6	14.6	15.6	13.1	10.9	12.0	21.4	20.3	20.8	28.0	26.4	27.2
14	15.9	14.9	15.4	14.2	12.2	13.2	22.7	21.0	21.8	28.0	26.5	27.1
15	15.2	14.5	14.9	15.9	13.4	14.6	23.2	22.4	22.8	28.4	26.8	27.5
16	15.1	14.9	15.0	16.7	14.9	15.9	24.0	22.7	23.3	28.0	27.1	27.5
17	16.3	14.3	15.0	18.0	16.6	17.4	24.2	23.6	23.9	28.3	27.1	27.8
18	16.2	14.2	15.0	18.0	17.7	17.8	24.7	23.6	24.1	29.2	28.1	28.6
19	15.1	14.5	14.8	18.3	17.6	17.8	23.6	21.7	22.7	29.5	28.2	28.7
20	15.6	14.2	14.8	18.3	16.4	17.2	21.8	20.8	21.4	30.1	28.3	29.0
21	16.2	14.5	15.4	16.5	15.1	15.8	23.2	21.4	22.0	30.1	28.6	29.3
22	16.3	15.2	15.8	16.9	14.6	15.7	22.3	20.7	21.5	29.4	27.8	28.6
23	16.1	14.5	15.2	17.5	15.2	16.2	22.3	19.7	20.9	29.3	27.8	28.5
24	16.7	14.7	15.6	19.2	16.0	17.5	22.8	20.5	21.1	29.3	27.9	28.6
25	17.5	15.4	16.4	19.4	17.2	18.3	22.0	20.4	21.3	29.5	27.9	28.7
26	18.1	16.9	17.4	20.8	18.5	19.5	22.3	21.0	21.8	30.0	28.3	29.1
27	18.5	16.7	17.6	21.7	19.5	20.4	23.5	21.8	22.6	29.9	28.3	29.1
28	18.6	17.0	17.4	23.0	20.8	21.6	23.2	21.7	22.6	30.2	28.3	29.2
29	---	---	---	23.8	21.9	22.7	21.7	20.8	21.2	29.7	28.7	29.2
30	---	---	---	23.5	22.3	22.9	22.5	20.6	21.2	30.9	29.0	29.7
31	---	---	---	23.2	22.5	22.8	---	---	---	31.1	29.6	30.3
MONTH	18.6	10.8	14.7	23.8	10.4	16.9	24.7	19.1	21.9	31.1	21.8	27.6

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	31.8	29.7	30.6	31.9	29.5	30.6	33.0	30.9	31.8	31.0	28.5	29.7
2	31.4	29.6	30.5	31.3	29.9	30.3	32.3	30.9	31.5	28.5	27.7	28.0
3	31.7	29.9	30.6	30.9	29.4	30.2	31.5	30.3	30.8	29.6	27.5	28.1
4	30.9	29.7	30.3	32.1	29.9	30.7	30.4	29.5	29.9	30.0	28.4	28.9
5	31.0	29.3	30.1	32.8	30.2	31.2	30.8	29.4	30.0	29.5	28.0	28.6
6	30.5	28.1	28.9	33.0	30.8	31.8	31.4	29.7	30.5	28.5	27.7	28.2
7	28.1	26.9	27.5	33.0	31.2	32.0	31.1	30.2	30.7	27.8	27.0	27.5
8	28.1	26.1	27.2	33.4	31.9	32.5	31.9	31.0	31.3	27.5	26.8	27.1
9	29.3	27.4	28.3	32.8	31.7	32.2	32.2	31.5	31.9	27.1	26.3	26.8
10	30.7	28.3	29.4	33.0	31.1	31.9	32.3	31.7	32.0	26.3	25.5	25.9
11	30.6	28.9	29.8	32.0	30.6	31.4	32.3	31.8	32.1	25.5	25.2	25.3
12	31.1	29.4	30.2	32.3	30.6	31.4	32.8	31.7	32.1	25.3	25.0	25.1
13	31.8	29.7	30.7	32.3	30.4	31.2	32.7	31.2	31.9	25.4	24.0	25.1
14	31.0	29.6	30.2	31.3	29.8	30.3	31.2	30.2	30.8	27.0	25.1	25.9
15	30.6	28.6	29.5	31.3	29.6	30.4	30.2	29.1	29.8	28.0	26.5	27.0
16	30.8	28.6	29.7	31.6	29.6	30.6	30.6	28.9	29.6	28.0	26.7	27.5
17	31.3	29.4	30.3	30.7	28.9	29.8	31.4	29.4	30.4	27.8	26.8	27.2
18	32.5	29.9	30.9	31.4	29.1	30.1	31.0	30.2	30.5	28.7	26.7	27.5
19	32.5	30.7	31.3	32.3	30.1	30.9	31.3	29.5	30.3	27.8	27.3	27.6
20	33.0	30.8	31.6	32.1	30.4	31.2	31.0	29.7	30.4	---	---	---
21	32.5	30.6	31.4	31.9	30.3	30.7	30.1	28.8	29.3	---	---	---
22	32.2	30.8	31.4	30.8	29.7	30.2	29.6	28.4	29.0	---	---	---
23	32.3	31.0	31.6	31.1	29.7	30.3	30.4	28.7	29.4	---	---	---
24	32.6	31.0	31.8	30.8	30.0	30.4	30.8	29.5	30.0	30.3	29.1	29.6
25	32.1	29.8	30.9	31.4	29.6	30.4	32.1	30.2	31.0	29.4	28.4	28.9
26	29.8	28.2	28.7	30.7	29.9	30.3	32.7	31.2	31.7	29.2	27.9	28.4
27	28.5	27.1	27.7	30.6	29.7	30.0	33.1	31.4	32.0	28.4	25.3	27.0
28	28.3	27.1	27.5	31.0	29.4	30.1	33.2	31.6	32.2	25.3	24.2	24.6
29	30.0	27.7	28.6	31.4	30.2	30.8	33.6	31.5	32.4	25.1	24.1	24.6
30	30.7	29.1	29.8	33.2	30.4	31.4	33.1	31.4	32.2	26.6	24.6	25.5
31	---	---	---	32.1	30.6	31.4	31.8	31.0	31.5	---	---	---
MONTH	33.0	26.1	29.9	33.4	28.9	30.9	33.6	28.4	30.9	31.0	24.0	27.1

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA

LOCATION.--Lat 29°27'23", long 90°11'46", T. 19 S., R. 22 E., Lafourche Parish, Hydrologic Unit 08090301, on Tennessee Canal, 6.3 mi east northeast of Galliano and 10 mi. SE of Cutoff.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--May 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 5.44 ft, Aug. 26, 1992; minimum recorded, -1.96 ft, Feb. 10, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.24 ft, Sept. 19; minimum, -0.73 ft, Dec. 30.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.04	.55	.79	2.30	2.10	2.23	---	---	---	.01	-.24	-.13
2	.96	.45	.73	2.10	1.32	1.57	---	---	---	.43	.01	.29
3	.93	.34	.68	1.43	.55	.92	1.15	.75	.96	.69	.40	.61
4	1.27	.73	1.00	1.02	.61	.81	1.02	.30	.69	.98	.68	.87
5	1.56	1.17	1.37	1.29	.95	1.12	.47	.07	.30	1.30	.98	1.19
6	1.86	1.43	1.61	1.38	.65	1.18	.35	-.02	.18	1.90	1.02	1.28
7	2.00	1.63	1.84	.65	-.23	.21	.35	.16	.26	2.02	1.46	1.72
8	2.43	1.89	2.17	.45	-.30	.11	.83	.35	.71	1.46	.51	.87
9	2.57	2.17	2.40	.79	.32	.53	1.00	.59	.77	.89	.44	.60
10	2.71	2.26	2.50	.82	.64	.72	1.03	.67	.83	.93	.43	.67
11	2.83	2.28	2.56	.92	.46	.68	.94	.40	.64	.92	.57	.73
12	3.14	2.55	2.83	1.54	.92	1.32	.60	-.02	.29	1.13	.74	.92
13	3.11	2.72	2.90	1.76	1.28	1.52	.36	-.18	.10	1.27	.93	1.09
14	2.72	1.32	1.92	1.60	1.03	1.29	.15	-.43	-.15	1.54	1.21	1.36
15	1.34	.76	1.07	1.38	.65	.92	-.07	-.53	-.28	1.72	.97	1.40
16	1.28	.73	1.06	.71	-.19	.29	.09	-.40	-.13	.97	.45	.62
17	1.29	.84	1.10	.24	-.16	.06	.17	-.20	-.01	.70	.35	.51
18	1.26	.96	1.13	.61	.22	.37	.36	-.02	.16	.57	.34	.45
19	1.30	1.03	1.15	.86	.28	.59	.45	.17	.31	.69	.45	.58
20	1.60	1.17	1.36	1.12	.38	.82	.58	.32	.45	1.10	.67	.80
21	1.92	1.43	1.58	1.64	.99	1.32	.87	.58	.77	1.40	.96	1.11
22	1.81	1.25	1.58	1.72	1.23	1.54	.90	.60	.71	1.78	1.40	1.57
23	1.88	1.27	1.65	1.29	.59	.91	1.06	.85	.94	1.76	1.08	1.33
24	2.43	1.88	2.22	.99	.57	.76	1.09	.67	.88	1.18	.65	.88
25	2.75	2.31	2.57	.92	.31	.65	1.05	.55	.75	1.18	.74	.92
26	2.84	1.79	2.56	1.15	.52	.89	1.03	.72	.87	1.42	1.10	1.23
27	1.79	1.02	1.26	1.48	.79	1.16	1.03	.03	.41	1.44	.62	1.00
28	1.22	.87	1.05	1.89	1.25	1.50	.39	.06	.22	.91	.44	.67
29	1.26	.98	1.12	2.26	1.89	2.08	.26	-.55	-.18	.94	.58	.75
30	1.74	.93	1.28	---	---	---	-.16	-.73	-.38	1.01	.58	.78
31	2.19	1.69	1.93	---	---	---	-.07	-.50	-.23	1.22	.81	1.05
MONTH	3.14	.34	1.64	---	---	---	---	---	---	2.02	-.24	.89

MISSISSIPPI RIVER DELTA
07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1992 to current year.

WATER TEMPERATURES: May 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 39,600 microsiemens, May 27, 1996; minimum daily, 693 microsiemens, July 18, 1997.
WATER TEMPERATURES: Maximum daily, 37.8° C, June 26, 1996, Aug. 28, 1998; minimum daily, -0.3° C, Feb. 4, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 26,900 microsiemens, Oct. 13; minimum daily recorded, 918 microsiemens, Mar. 22, 23.
WATER TEMPERATURE: Maximum daily, 37.8° C, Aug. 28; minimum daily, 3.9° C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7160	5800	6430	16300	13500	14700	---	---	---	8200	5810	7150
2	7130	5990	6570	14600	12300	13200	---	---	---	8610	6080	7690
3	6880	6060	6320	13600	11700	12700	8790	7490	8100	12600	6610	9190
4	7560	6600	7080	13000	11700	12600	8010	6830	7410	11600	8080	9810
5	7900	7030	7440	13700	12300	12800	7520	6800	7230	11000	9010	9840
6	8440	7460	8010	13200	12100	12700	7640	7060	7350	11300	9170	10200
7	9620	7850	8720	12500	11500	12100	7810	6850	7400	10000	7580	8690
8	11800	9050	10000	12200	11300	11900	7730	6480	7400	8420	4350	6360
9	15700	10900	12200	12200	10300	11400	7960	6870	7440	5370	4460	4880
10	17300	12400	14000	12100	10000	11100	7720	6490	7170	4810	4060	4420
11	21200	14000	18100	11600	9790	11000	7230	6160	6820	4860	3910	4360
12	26000	18700	21700	11100	8000	9420	7080	6190	6730	5610	4210	4990
13	26900	21800	24900	8740	7920	8430	7220	6070	6630	5320	3740	4470
14	21800	14400	17800	8620	8150	8480	7490	6440	7030	4700	3740	4340
15	18500	14100	16100	8750	8130	8310	8050	7230	7520	4470	3370	3920
16	18400	14700	16000	8930	8510	8730	8240	5770	7040	3980	2760	3320
17	16600	14200	15300	8800	8160	8620	8100	5690	7060	3300	2390	2820
18	16000	13300	14700	8940	8240	8720	8350	5860	7090	3510	2230	2740
19	15700	13300	14300	8330	8010	8170	8630	6270	7540	3210	2210	2540
20	15200	12900	14000	8420	8120	8280	9480	6940	7970	2600	1840	2280
21	14800	12400	13800	8940	8270	8540	9420	6450	7870	2470	1790	2160
22	14900	12700	13600	8690	8340	8520	9770	6730	8380	2860	1730	2460
23	15700	12700	14400	8580	8190	8390	8790	6630	7520	2120	1730	1960
24	16700	14300	15700	8650	8370	8520	9790	7330	8130	1960	1700	1830
25	21500	15500	17800	8880	8400	8680	8790	7450	7990	2060	1770	1870
26	22500	15200	18900	8840	8310	8640	8280	7240	7760	1780	1470	1650
27	15200	12400	13600	8940	8410	8630	7790	7060	7390	1740	1460	1610
28	15900	12600	13900	9890	8420	9180	7940	7090	7440	2060	1620	1790
29	14800	12600	13500	10900	8100	9050	8230	6880	7690	1990	1820	1890
30	14400	12700	13500	---	---	---	8960	7700	8190	1960	1730	1860
31	15700	13700	14300	---	---	---	8110	6300	7170	1920	1540	1770
MONTH	26900	5800	13600	16300	7920	10100	9790	5690	7460	12600	1460	4350

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1670	1470	1560	2590	2230	2410	14000	9650	11900	12900	8690	11200
2	1650	1220	1420	2940	2330	2570	12000	10500	11400	12400	8460	10500
3	1570	1220	1380	3080	1550	2570	12300	8860	11100	10600	7210	9460
4	1830	1560	1710	2560	1840	2160	11000	6750	9560	10100	6040	8810
5	1970	1720	1820	2670	1680	2150	9010	6260	7880	10000	7950	8970
6	1900	1470	1770	3260	1610	2410	8260	6210	7480	12400	9920	11200
7	2330	1420	1740	6390	1520	2870	9870	5850	7700	14600	10600	12400
8	1870	1460	1690	7150	4320	5660	10400	7180	9440	14200	8430	11300
9	2190	1700	1860	4720	1700	2810	10700	7180	9640	13600	10500	12200
10	1960	1520	1690	2100	1460	1720	9190	7680	8120	14500	8830	12000
11	2640	1800	2130	1960	1340	1710	7850	3420	6080	12700	9620	11300
12	2640	1890	2350	1660	1130	1430	8620	4100	6450	14300	8500	12300
13	2540	1780	2050	1530	1140	1360	12300	5550	8460	16000	11700	13800
14	2030	1340	1620	1580	1240	1400	14000	8650	11800	17800	13000	15500
15	1350	1100	1200	2350	1290	1510	15700	11700	13900	18100	12400	15500
16	1510	1130	1360	3070	1010	2250	16800	13200	15400	17700	2370	8490
17	2130	1500	1810	4830	2270	3170	16600	13900	15900	3210	1750	2550
18	2550	1360	1770	4580	3190	3710	16400	11800	15200	2590	1400	2070
19	2590	1610	2010	4220	2680	3480	14700	12300	13800	1970	1580	1810
20	2590	1730	2040	4550	1810	3340	13600	7390	11500	2000	1300	1670
21	2850	1970	2340	2630	1150	1940	11600	5040	9180	2170	1350	1680
22	3050	2110	2520	1830	918	1400	12400	10500	11600	3380	1530	1920
23	2200	1740	2030	1900	918	1490	10900	6560	9630	10400	1900	4140
24	2160	1600	1970	2160	1430	1750	9980	5160	7690	11900	6060	9260
25	2300	1940	2120	3860	2080	3100	12500	5540	9730	16700	8070	11700
26	3750	2210	2780	6310	3580	5210	13300	7850	10600	16500	8530	12500
27	3180	2280	2730	8010	4930	6530	13800	9420	12000	16500	8990	12100
28	2710	2210	2530	9580	6810	8350	14600	8890	11800	15500	10200	12400
29	---	---	---	10100	8260	9600	14300	9840	12800	17000	8920	12100
30	---	---	---	12200	8390	9930	14000	10900	13000	13100	7440	10400
31	---	---	---	16800	11800	13700	---	---	---	12700	7810	10400
MONTH	3750	1100	1930	16800	918	3670	16800	3420	10700	18100	1300	9410
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12000	7000	9790	---	---	---	7880	3940	5960	13900	11000	12200
2	11600	8950	10600	---	---	---	10500	4260	6710	14000	12500	13000
3	12400	5620	9660	---	---	---	11200	4640	7190	14100	12200	12900
4	15900	5880	10500	---	---	---	12800	5390	7490	15700	14000	14500
5	18400	8700	13600	---	---	---	10300	5590	6890	15800	14100	15100
6	18100	6940	11100	---	---	---	7540	6040	6880	15200	13800	14600
7	10900	6780	9770	---	---	---	7210	5960	6670	13800	12800	13200
8	12200	6710	10000	---	---	---	7240	6180	6670	13900	12500	13300
9	14300	8530	11500	15100	6510	10600	7730	6720	7160	16100	12600	13700
10	15100	9180	12300	14100	6740	11000	7220	6540	6930	---	---	---
11	15000	10200	12900	---	---	---	7290	6740	7050	---	---	---
12	15400	8960	12300	---	---	---	7460	7080	7210	---	---	---
13	14200	9560	12100	---	---	---	7550	6970	7220	---	---	---
14	13900	10700	12500	---	---	---	7560	6480	6920	---	---	---
15	15600	6370	10700	---	---	---	7500	6640	6930	14600	13300	14100
16	14600	5310	9180	---	---	---	7260	6680	7010	14600	14500	14600
17	18400	8070	11200	---	---	---	7530	6900	7250	14500	14200	14300
18	19300	10200	14100	---	---	---	7670	7210	7430	14200	14100	14100
19	19300	8750	13200	---	---	---	7650	7320	7500	14100	13400	13700
20	16400	8140	12400	---	---	---	8200	7200	7560	13400	12900	13100
21	16000	9070	12200	---	---	---	8210	7430	7810	12900	12600	12700
22	12200	6390	9730	---	---	---	9720	7840	8650	12600	12500	12600
23	10700	4490	8300	---	---	---	10200	8790	9630	12500	12200	12300
24	10200	4120	7720	---	---	---	10700	9090	9910	12200	12000	12100
25	---	---	---	---	---	---	10200	9380	9800	12000	11800	11900
26	---	---	---	---	---	---	9950	8830	9470	11800	11400	11700
27	---	---	---	---	---	---	9390	8800	9050	11500	10800	11300
28	---	---	---	---	---	---	9640	9000	9220	10800	10700	10700
29	---	---	---	7040	4890	6070	10800	9080	9880	10700	10600	10700
30	---	---	---	7930	4000	5820	11100	10200	10500	10700	10500	10600
31	---	---	---	7900	3920	5810	12300	10400	10900	---	---	---
MONTH	---	---	---	---	---	---	12800	3940	7920	16100	10500	12900

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	30.2	27.1	28.8	26.4	21.7	23.6	---	---	---	15.8	8.5	12.0
2	28.6	24.3	26.6	22.1	18.4	20.4	---	---	---	17.7	9.5	13.6
3	28.6	24.0	26.2	19.9	15.9	17.9	20.1	17.5	18.7	19.8	13.5	16.1
4	29.1	24.6	26.7	20.9	15.4	18.2	18.6	13.5	16.6	20.2	16.2	18.0
5	30.0	25.5	27.5	20.8	16.3	18.7	15.0	11.8	13.4	19.1	18.2	18.7
6	30.0	26.2	27.8	21.6	17.1	19.2	15.3	11.2	12.8	19.0	17.6	18.3
7	28.5	25.6	27.0	17.2	12.1	14.4	13.6	8.7	11.1	19.8	18.0	19.2
8	28.4	25.2	26.6	17.9	11.4	14.3	16.9	10.1	13.2	18.0	12.8	15.0
9	28.8	25.9	27.2	18.9	13.3	16.0	21.1	16.4	18.6	15.7	10.8	13.3
10	27.7	25.8	26.5	17.5	14.9	15.8	22.4	17.2	19.9	17.8	11.9	14.7
11	27.4	25.0	26.1	15.9	14.5	15.2	17.2	10.1	12.1	18.9	13.0	15.5
12	27.2	24.5	25.8	16.2	14.9	15.7	10.5	6.5	7.5	19.9	16.1	18.0
13	26.5	25.1	25.9	19.0	15.8	17.0	7.7	6.4	7.0	19.3	17.4	18.7
14	25.1	18.7	21.2	20.2	15.9	17.8	6.8	4.5	5.7	17.4	16.9	17.1
15	19.3	14.9	17.5	17.2	14.4	16.0	12.3	3.9	7.5	17.6	14.2	16.5
16	20.0	15.2	18.0	14.8	10.3	12.9	16.1	6.8	10.8	15.9	10.0	13.1
17	21.3	16.4	19.0	14.3	7.9	11.3	17.7	9.3	13.6	19.1	12.1	15.4
18	21.5	17.1	19.3	15.7	10.3	12.8	19.2	11.6	15.4	20.5	15.4	17.6
19	22.1	17.2	19.5	13.8	13.1	13.5	20.9	15.0	17.5	18.5	13.9	16.6
20	24.9	18.8	21.5	18.7	13.1	15.4	17.4	15.4	16.4	15.9	11.2	13.4
21	27.2	20.9	23.5	23.4	16.1	19.5	18.7	16.2	17.4	16.8	14.1	15.5
22	25.5	21.6	23.4	23.0	20.1	21.2	18.4	15.4	16.9	17.0	16.2	16.7
23	22.8	20.4	21.9	20.1	15.8	17.6	17.3	16.5	16.7	16.2	13.3	14.6
24	25.7	21.4	23.3	17.6	13.6	15.5	19.1	16.1	17.5	15.3	10.2	12.9
25	26.4	24.0	25.1	18.5	13.1	15.8	18.5	13.4	15.9	15.8	10.6	13.1
26	25.9	19.7	23.8	21.2	14.6	17.7	16.2	13.1	14.6	13.9	12.8	13.3
27	19.7	15.5	17.5	22.4	17.3	19.5	13.1	9.2	10.9	12.9	10.1	11.5
28	17.2	14.2	15.5	21.5	18.5	20.0	12.4	7.6	9.9	15.9	8.5	12.0
29	16.5	14.7	15.5	21.6	21.0	21.4	12.2	5.8	8.7	17.4	11.5	14.1
30	19.9	15.3	17.5	---	---	---	14.3	8.0	10.9	19.2	13.6	16.3
31	23.8	19.3	21.2	---	---	---	14.0	9.0	11.1	17.3	14.5	15.8
MONTH	30.2	14.2	23.0	26.4	7.9	17.0	22.4	3.9	13.4	20.5	8.5	15.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	16.3	13.9	15.0	19.5	14.5	16.6	23.9	20.1	22.1	25.4	21.9	23.7
2	15.8	14.0	15.1	17.9	12.0	14.7	25.1	21.4	23.2	26.8	22.6	24.8
3	14.9	12.7	13.6	17.6	9.9	13.9	25.3	23.4	24.2	27.3	23.6	25.3
4	15.2	10.2	12.7	18.5	11.6	15.6	24.5	20.2	22.5	31.4	24.1	27.0
5	12.6	9.2	11.1	18.3	16.9	17.6	23.6	16.3	20.2	30.6	25.4	27.8
6	12.1	9.4	10.8	20.6	17.8	19.1	22.5	18.6	20.7	27.6	25.5	26.8
7	15.4	8.1	11.3	20.6	18.5	19.4	23.6	20.0	21.8	29.4	25.8	27.2
8	16.7	9.3	12.7	20.6	15.1	19.7	25.7	23.1	24.2	31.1	26.1	28.3
9	14.7	13.3	14.0	16.5	10.0	13.5	25.8	20.3	23.0	30.2	26.7	28.3
10	19.7	13.2	16.2	16.5	10.6	13.4	24.1	17.9	20.7	30.2	25.7	27.6
11	19.2	15.3	17.2	15.1	5.4	10.9	23.0	16.0	20.0	30.5	23.9	27.1
12	19.8	12.9	16.6	16.1	6.0	11.7	24.9	19.5	21.7	31.2	26.2	28.5
13	20.5	14.7	17.4	17.6	9.7	13.4	23.1	19.3	21.3	30.0	25.3	27.6
14	17.7	14.9	16.2	18.0	13.3	15.6	25.8	21.1	23.2	29.6	25.9	27.7
15	14.9	13.2	14.2	20.7	14.5	17.4	25.2	22.6	24.1	31.1	26.1	28.4
16	15.3	14.3	14.8	20.9	16.2	18.5	26.5	23.0	24.6	30.8	26.5	28.3
17	17.7	13.3	15.2	20.5	18.8	19.7	25.2	24.5	24.9	31.6	26.4	28.9
18	18.2	12.7	15.4	19.8	18.6	19.2	26.4	23.6	24.9	32.6	27.4	29.9
19	16.3	14.4	14.9	20.2	18.3	19.2	23.7	20.2	21.8	34.1	27.9	30.7
20	16.9	12.7	14.6	19.2	14.5	16.9	25.0	17.2	21.2	33.2	28.6	30.9
21	19.3	13.7	16.5	18.3	11.6	14.8	26.1	20.2	23.0	30.9	27.4	29.3
22	17.4	14.6	16.0	18.8	11.8	15.7	24.4	18.2	21.1	31.3	28.1	29.0
23	19.2	12.0	15.4	20.5	14.0	17.3	22.5	16.2	20.3	31.0	27.2	28.6
24	22.1	13.0	17.1	23.0	16.4	19.7	25.5	19.3	22.4	31.3	27.3	28.9
25	21.3	15.6	18.4	23.4	18.2	20.6	24.6	20.1	22.7	31.4	27.0	29.0
26	20.8	18.1	19.2	24.6	19.4	21.8	23.7	20.1	22.0	32.6	27.3	29.7
27	21.9	16.8	19.3	24.4	19.6	22.1	25.7	21.5	23.6	32.2	28.1	30.1
28	21.6	17.4	19.3	25.4	21.4	23.4	24.5	20.4	22.5	32.4	28.3	30.1
29	---	---	---	25.8	22.3	24.1	20.5	19.7	20.0	31.5	28.5	29.9
30	---	---	---	25.5	22.5	24.0	24.4	19.8	21.6	32.4	28.8	30.4
31	---	---	---	24.1	22.2	23.4	---	---	---	32.5	28.8	30.5
MONTH	22.1	8.1	15.4	25.8	5.4	17.8	26.5	16.0	22.3	34.1	21.9	28.4

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	33.2	28.9	31.0	---	---	---	35.8	31.1	32.8	30.4	26.3	27.9
2	32.4	28.9	30.6	---	---	---	34.5	29.9	31.9	27.7	25.5	26.4
3	32.7	28.7	31.0	---	---	---	32.4	28.4	30.1	30.4	26.0	28.0
4	32.4	28.5	30.3	---	---	---	30.8	27.3	28.7	32.6	28.7	30.4
5	32.2	28.6	30.1	---	---	---	31.8	27.5	29.5	30.5	28.2	28.8
6	30.4	26.9	28.2	---	---	---	33.1	28.9	30.9	28.2	26.8	27.5
7	27.7	24.7	26.2	---	---	---	33.3	29.7	31.4	27.5	26.2	26.7
8	29.6	24.6	27.0	---	---	---	33.5	30.2	31.6	27.6	26.0	26.7
9	32.8	27.5	29.9	33.7	30.6	32.1	33.7	29.9	31.6	26.8	25.5	26.2
10	34.0	28.5	31.0	33.8	29.4	31.6	33.8	29.1	31.2	---	---	---
11	32.7	28.6	30.6	---	---	---	34.2	30.3	32.1	---	---	---
12	32.8	28.6	30.5	---	---	---	35.9	30.6	32.9	---	---	---
13	32.9	28.8	30.7	---	---	---	35.7	30.6	32.5	---	---	---
14	31.5	28.1	29.9	---	---	---	31.8	29.2	30.5	---	---	---
15	31.5	27.1	29.3	---	---	---	30.0	28.1	29.3	29.1	26.6	27.7
16	32.5	27.8	30.1	---	---	---	32.9	27.5	29.8	29.3	27.3	28.3
17	33.1	28.6	30.8	---	---	---	34.6	29.3	31.6	28.3	26.7	27.2
18	34.8	29.7	31.9	---	---	---	33.3	30.0	31.4	29.0	26.3	27.6
19	35.4	30.8	32.6	---	---	---	32.5	28.7	30.5	28.8	27.3	27.7
20	35.1	30.6	32.3	---	---	---	31.8	28.9	30.3	29.4	26.8	27.9
21	34.5	30.8	32.1	---	---	---	29.8	27.8	28.6	29.8	28.1	28.9
22	33.8	29.7	31.6	---	---	---	31.0	27.1	29.0	30.4	28.3	29.2
23	33.0	30.0	31.4	---	---	---	32.5	28.8	30.5	32.3	28.4	30.1
24	34.1	29.9	31.8	---	---	---	33.9	29.6	31.5	30.8	28.2	29.7
25	---	---	---	---	---	---	34.6	30.4	32.2	29.2	27.4	28.2
26	---	---	---	---	---	---	35.9	30.2	32.7	30.1	26.7	28.2
27	---	---	---	---	---	---	37.2	32.1	34.2	28.6	24.5	26.4
28	---	---	---	---	---	---	37.8	32.6	34.8	25.0	24.4	24.6
29	---	---	---	33.2	29.8	31.2	36.3	31.2	33.6	25.5	25.0	25.1
30	---	---	---	34.7	30.2	31.9	34.3	30.4	32.6	26.6	25.3	25.7
31	---	---	---	35.7	31.0	32.6	32.4	29.7	31.2	---	---	---
MONTH	---	---	---	---	---	---	37.8	27.1	31.3	32.6	24.4	27.6

MISSISSIPPI RIVER DELTA

07380401 BAYOU LAFOURCHE SW OF DONALDSONVILLE, LA

LOCATION.--Lat 30°05'47", long 91°00'21", in sec. 35, T. 11 S., R. 2 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge located 1.0 mi south of Marchand Drive (Hwy. 3089) and connecting Hwy. 1 and Hwy. 308.

PERIOD OF RECORD.--December 1996 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Pumping plant at Mississippi River level pumps total flow of Bayou Lafourche from river except for small amounts of storm drainage during heavy runoff. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 10.71 ft, Sept. 12, 1998; minimum, 3.79 ft, Mar. 29, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 10.71 ft, Sept. 12; minimum, 5.62 ft, Nov. 17.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR DECEMBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.17	7.24	7.12	7.65	7.18	7.43	7.16	7.39	7.30	7.08	6.86	6.96
2	7.15	7.25	7.41	7.68	6.87	7.43	7.07	7.43	7.23	7.11	6.87	6.86
3	7.13	7.24	7.34	7.68	7.14	7.42	7.09	7.43	7.16	7.14	6.87	7.03
4	7.14	7.22	7.41	7.67	7.09	7.43	7.22	7.15	7.12	7.15	6.85	7.33
5	7.16	7.21	7.36	8.12	7.13	7.43	7.24	6.69	7.09	7.16	6.84	7.37
6	7.16	7.22	7.34	7.17	7.29	7.38	7.30	6.63	7.10	7.17	6.86	7.41
7	7.17	7.25	7.33	7.95	7.08	7.53	7.49	6.62	6.98	7.22	7.02	7.38
8	7.18	8.08	7.37	7.26	6.89	7.58	7.16	7.05	6.95	7.21	6.91	7.21
9	7.20	8.20	7.37	7.18	6.97	7.35	6.71	7.09	7.24	7.21	6.90	6.93
10	7.21	7.65	7.38	7.08	7.15	7.17	7.02	7.01	6.96	7.20	6.90	7.04
11	7.19	7.55	7.39	7.03	7.04	7.35	7.43	7.22	6.86	7.19	6.94	7.52
12	7.20	7.45	7.41	7.43	6.93	7.38	7.19	7.31	7.21	7.19	6.91	9.38
13	7.21	7.03	7.35	7.45	7.15	7.38	7.02	6.85	6.95	7.20	6.90	8.15
14	6.94	7.35	8.14	7.10	7.20	7.36	6.74	7.15	6.95	7.32	6.92	7.36
15	7.20	7.34	8.34	7.79	7.18	7.34	7.29	7.11	6.95	7.27	6.92	7.06
16	7.20	7.25	8.39	7.24	6.85	7.27	7.05	6.76	6.95	7.25	6.91	6.95
17	7.17	6.71	8.40	7.28	7.17	7.17	7.08	6.81	6.95	7.24	6.90	6.95
18	7.16	7.31	8.05	7.44	7.21	7.23	7.30	7.12	6.97	7.21	6.89	6.93
19	7.15	7.04	8.41	7.35	7.19	7.47	7.34	6.77	6.96	7.16	6.90	6.77
20	7.13	7.33	7.87	7.11	7.20	7.41	7.36	6.77	6.96	7.10	6.90	6.74
21	7.10	7.36	7.70	6.89	7.22	7.36	7.36	7.11	6.93	7.02	6.92	6.81
22	7.10	7.41	7.72	7.16	7.18	7.35	7.36	6.76	7.04	6.92	6.91	7.24
23	7.11	7.38	7.66	7.08	7.12	7.43	7.34	6.72	7.25	6.76	6.96	7.32
24	7.20	7.36	7.53	6.79	7.36	7.10	7.34	6.69	7.14	6.81	6.92	7.28
25	7.19	7.35	7.77	6.68	7.38	7.08	7.33	6.64	6.95	7.15	6.88	7.09
26	7.23	7.33	7.85	6.85	7.22	7.32	7.34	6.88	6.98	6.99	6.85	6.85
27	7.23	7.31	7.89	6.87	7.43	6.77	7.35	7.36	7.01	7.06	6.83	6.89
28	7.25	7.25	7.82	6.82	7.46	7.02	7.29	7.29	7.03	7.07	7.00	6.96
29	7.22	7.05	7.81	7.35	---	7.44	6.86	7.43	7.04	6.98	7.46	7.10
30	7.22	6.87	7.56	7.36	---	7.50	7.08	7.41	7.06	6.93	7.55	7.40
31	7.23	---	7.33	7.33	---	7.12	---	7.35	---	6.89	7.49	---
MEAN	7.17	7.32	7.67	7.29	7.15	7.32	7.20	7.03	7.04	7.11	6.96	7.21
MAX	7.25	8.20	8.41	8.12	7.46	7.58	7.49	7.43	7.30	7.32	7.55	9.38
MIN	6.94	6.71	7.12	6.68	6.85	6.77	6.71	6.62	6.86	6.76	6.83	6.74

MISSISSIPPI RIVER DELTA

07381000 BAYOU LAFOURCHE AT THIBODAUX, LA

LOCATION.--Lat 29°47'52", long 90°49'21", in sec. 117, T. 15 S., R. 16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi upstream from Laurel Valley Canal.

PERIOD OF RECORD.--October 1984 to current year. April 1966 to September 1984 (elevations only). Unpublished records, May 1954 to July 1957, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to October 1997 datum of gage is 1.22 ft below sea level (levels by Louisiana Department of Transportation and Development).

REMARKS.--No discharge published this year. Satellite telemetry at station.

Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Artificial control located about 1,000 ft downstream since Nov. 5, 1968. About 5.1 ft³/s is diverted daily from the stream above weir for city of Thibodaux water supply. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.76 ft, May 9, 1991; minimum, 0.82 ft, Dec. 2, 1966.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.82	3.62	3.56	3.75	3.84	3.81	3.80	3.82	3.89	3.85	3.82	4.01
2	3.77	3.62	3.55	3.80	3.81	3.80	3.82	3.84	3.87	3.88	3.81	3.91
3	3.75	3.61	3.64	3.82	3.78	3.78	3.78	3.84	3.86	3.90	3.82	3.85
4	3.74	3.59	3.64	3.97	3.77	3.78	3.80	3.84	3.84	3.90	3.82	3.88
5	3.75	3.59	3.62	4.64	3.75	3.80	3.80	3.75	3.84	3.90	3.81	3.94
6	3.74	3.60	3.60	4.57	3.78	3.95	3.78	3.67	3.87	3.91	3.83	3.98
7	3.73	3.57	3.58	5.56	3.79	4.45	3.79	3.64	3.85	3.94	3.85	4.00
8	3.74	3.59	3.62	4.47	3.74	4.66	3.83	3.63	3.82	3.94	3.87	3.97
9	3.73	3.76	3.62	4.02	3.69	4.16	3.75	3.74	3.84	3.93	3.85	3.94
10	3.73	3.84	3.62	3.82	3.70	3.93	3.65	3.74	3.87	3.93	3.84	4.15
11	3.73	3.77	3.60	3.73	3.82	3.80	3.70	3.74	3.82	3.92	3.90	4.99
12	3.72	3.96	3.60	4.00	3.74	3.78	3.78	3.80	3.83	3.92	3.86	6.09
13	3.79	3.81	3.60	4.61	3.72	3.78	3.80	3.79	3.86	3.92	3.84	5.65
14	3.81	3.65	3.62	4.54	3.74	3.78	3.75	3.76	3.82	3.95	3.85	4.79
15	3.71	3.63	3.75	5.13	3.94	3.77	3.73	3.78	3.81	3.97	3.83	4.25
16	3.70	3.63	3.85	4.48	4.12	3.77	3.80	3.75	3.81	3.96	3.83	4.03
17	3.68	3.57	3.89	4.05	4.09	4.03	3.78	3.70	3.81	3.96	3.82	3.92
18	3.70	3.56	3.89	3.90	3.90	3.98	3.81	3.72	3.81	3.95	3.82	3.88
19	3.70	3.74	3.85	3.86	3.81	3.95	3.84	3.73	3.82	3.92	3.83	3.88
20	3.70	3.63	3.89	3.81	3.75	3.88	3.83	3.69	3.81	3.91	3.82	3.81
21	3.66	3.62	3.83	3.76	3.71	3.83	3.80	3.71	3.80	3.91	3.83	3.75
22	3.63	3.67	3.80	4.24	4.18	3.79	3.79	3.74	3.82	3.88	3.85	3.75
23	3.64	3.65	3.85	4.18	3.96	3.79	3.78	3.69	3.87	3.87	3.87	3.78
24	3.68	3.64	3.97	3.90	3.82	3.80	3.77	3.68	3.93	3.83	3.88	3.78
25	3.68	3.64	3.86	3.74	3.78	3.72	3.76	3.68	3.89	3.87	3.86	3.74
26	3.70	3.64	3.86	3.96	3.80	3.75	3.78	3.67	3.90	3.90	3.83	3.70
27	3.69	3.62	3.92	4.02	3.78	3.77	3.80	3.76	3.89	3.88	3.80	3.66
28	3.70	3.62	3.89	3.81	3.80	3.69	4.33	3.85	3.88	3.89	3.78	3.64
29	3.72	3.86	3.88	3.76	---	3.74	4.16	3.89	3.87	3.89	3.84	3.60
30	3.74	3.74	3.86	3.83	---	3.82	3.89	3.92	3.86	3.86	3.97	3.63
31	3.63	---	3.79	3.84	---	3.88	---	3.91	---	3.84	4.03	---
MEAN	3.72	3.67	3.75	4.12	3.83	3.88	3.82	3.76	3.85	3.91	3.85	4.07
MAX	3.82	3.96	3.97	5.56	4.18	4.66	4.33	3.92	3.93	3.97	4.03	6.09
MIN	3.63	3.56	3.55	3.73	3.69	3.69	3.65	3.63	3.80	3.83	3.78	3.60

MISSISSIPPI RIVER DELTA

073813105 BAYOU FOLSE NEAR RACELAND, LA

LOCATION.--Lat 29°42'15", long 90°37'22", T. 16 S, R. 18 E., Lafourche Parish, Hydrologic Unit 08090302, on bridge at State Highway 3198, 1.5 miles southwest of Raceland.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 3.74 ft, Sept. 13, 1998; minimum recorded, -0.01 ft, Dec. 12, 1997.

EXTREMES FOR CURRENT YEAR.--Water Year 1997: Maximum elevation, 1.70 ft, July 17; minimum, 0.72 ft, Sept. 30. Water Year 1998: Maximum elevation, 3.74 ft, Sept. 13; minimum, -0.01 ft, Dec. 12.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR JULY 1997 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											1.15	1.05
2											.98	1.05
3											1.01	.97
4											1.05	.92
5											.95	.94
6											.90	1.30
7											.94	1.56
8											1.02	1.54
9											1.09	1.54
10											1.10	1.52
11											1.07	1.45
12											1.12	1.35
13											1.06	1.35
14											1.02	1.36
15											1.04	1.32
16											1.16	1.31
17										1.61	1.27	1.31
18										1.59	1.25	1.34
19										1.34	1.19	1.40
20										1.09	1.13	1.51
21										1.01	1.03	1.52
22										.94	.81	1.43
23										.94	.93	1.44
24										.94	.97	1.49
25										.89	.97	1.36
26										.82	1.05	1.00
27										.83	1.18	.86
28										.90	1.11	.94
29										1.02	1.01	.89
30										1.00	1.04	.75
31										1.02	1.06	---
MEAN										---	1.05	1.26
MAX										---	1.27	1.56
MIN										---	.81	.75

MISSISSIPPI RIVER DELTA

073813105 BAYOU FOLSE NEAR RACELAND, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.62	1.16	1.09	.03	1.44	1.18	2.03	2.06	1.43	1.16	.85	1.63
2	.65	.98	.97	.19	1.57	.88	1.96	1.86	1.31	1.17	.87	1.77
3	.67	.70	1.00	.47	1.31	.71	1.87	1.66	1.30	1.33	1.09	1.78
4	.82	.47	.77	.76	1.03	.82	1.67	1.49	1.48	1.28	1.30	1.89
5	1.01	.58	.45	1.33	.91	1.07	1.46	1.51	1.66	1.16	1.29	1.88
6	1.13	.62	.21	1.66	.75	1.45	1.42	1.68	1.66	.98	1.22	1.79
7	1.33	.24	.19	2.42	.66	2.18	1.55	1.75	1.60	.96	1.26	1.78
8	1.56	.06	.46	2.42	.73	2.17	1.62	1.69	1.55	1.05	1.29	1.91
9	1.71	.25	.77	2.08	.84	1.92	1.45	1.72	1.66	1.04	1.27	1.96
10	1.77	.44	.82	1.69	1.11	1.63	1.11	1.68	1.68	.94	1.17	2.31
11	1.85	.51	.52	1.38	1.23	1.24	.87	1.53	1.66	.80	1.09	3.04
12	1.98	.96	.14	1.37	1.06	.91	.96	1.48	1.63	.73	1.11	3.53
13	2.10	1.23	.00	1.79	.94	.81	1.37	1.58	1.47	.74	1.03	3.67
14	2.04	1.11	-.01	2.06	.97	.85	1.54	1.68	1.30	.88	.99	3.54
15	1.68	.91	-.01	2.25	1.39	.99	1.62	1.70	1.33	.87	1.06	3.33
16	1.30	.53	-.01	2.23	1.87	1.31	1.81	1.59	1.41	.86	1.13	3.11
17	1.15	.37	.01	1.90	1.96	1.69	1.78	1.41	1.49	.76	1.18	2.91
18	1.07	.46	.15	1.52	1.75	1.86	1.75	1.31	1.50	.74	1.17	2.77
19	1.05	.77	.25	1.24	1.49	1.92	1.60	1.31	1.40	.84	1.17	2.77
20	1.03	.74	.41	1.17	1.24	1.69	1.35	1.37	1.27	.91	1.27	2.75
21	.97	.97	.73	1.32	1.16	1.38	1.25	1.38	1.20	1.01	1.51	2.64
22	.89	1.01	.74	1.75	1.64	1.14	.99	1.41	1.19	1.12	1.69	2.43
23	.95	.74	.94	1.80	1.51	1.10	.74	1.47	1.16	1.15	1.74	2.19
24	1.31	.67	1.17	1.54	1.19	1.17	.74	1.53	1.15	1.18	1.72	1.98
25	1.51	.68	.96	1.36	1.18	1.37	.98	1.59	1.26	1.15	1.63	1.86
26	1.47	.70	.82	1.56	1.48	1.62	1.37	1.61	1.71	1.11	1.50	1.83
27	1.09	.76	.48	1.61	1.52	1.78	1.60	1.62	1.86	1.03	1.33	1.65
28	.80	1.05	.33	1.40	1.43	1.78	1.92	1.68	1.83	1.00	1.19	1.23
29	.92	1.64	.09	1.25	---	1.83	2.29	1.71	1.62	1.00	1.24	1.14
30	.89	1.49	.00	1.19	---	1.99	2.25	1.67	1.35	.98	1.34	1.10
31	1.02	---	-.01	1.21	---	2.08	---	1.57	---	.93	1.43	---
MEAN	1.24	.76	.47	1.48	1.26	1.44	1.50	1.59	1.47	1.00	1.26	2.27
MAX	2.10	1.64	1.17	2.42	1.96	2.18	2.29	2.06	1.86	1.33	1.74	3.67
MIN	.62	.06	-.01	.03	.66	.71	.74	1.31	1.15	.73	.85	1.10

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA

LOCATION.--Lat 29°27'20", long 90°25'20", in T. 19 S, R. 20 E., Terrebonne Parish, Hydrologic Unit 08090302, on a three-pile platform 8.0 mi. west of Galliano.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System). Prior to May 16, 1996, datum of gage was 11.27 ft below sea level.

REMARKS.--Stage affected by wind and tide. Satellite telemetry and raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 3.05 ft, revised, Mar. 8, 1995; minimum recorded, -0.85 ft, Jan. 9, 1996.

REVISIONS.--Maximum recorded elevation has been revised to reflect the datum used prior to May 16, 1996.

EXTREMES FOR CURRENT YEAR.-- Maximum elevation, 2.82 ft, Jun 26, 27; minimum, -0.43 ft, Dec. 12, 16.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.83	.57	.68	1.34	1.17	1.26	1.09	.69	.87	-.07	-.40	-.22
2	.76	.50	.66	1.27	.82	1.02	.91	.55	.73	.27	-.08	.16
3	.83	.62	.73	1.06	.61	.82	.92	.64	.79	.52	.27	.45
4	.95	.79	.86	.78	.35	.56	.80	.31	.58	.71	.49	.62
5	1.11	.87	1.01	.79	.54	.68	.46	.12	.30	1.37	.71	1.12
6	1.15	.95	1.06	.88	.32	.66	.26	-.12	.08	1.69	1.11	1.23
7	1.36	1.03	1.25	.32	-.08	.14	.16	-.09	.03	1.69	1.50	1.61
8	1.76	1.32	1.57	.29	-.06	.16	.64	.03	.34	1.60	1.23	1.34
9	1.91	1.60	1.79	.42	.29	.37	.89	.63	.72	1.26	.90	1.05
10	2.02	1.69	1.86	.58	.38	.52	.97	.72	.83	.97	.60	.76
11	2.05	1.69	1.90	.56	.30	.41	.72	.17	.38	.80	.49	.64
12	2.39	1.90	2.17	1.08	.56	.84	.17	-.43	-.17	1.07	.67	.84
13	2.60	2.23	2.42	1.25	1.06	1.13	.14	-.21	-.03	1.16	.90	1.03
14	2.39	1.38	1.84	1.30	.97	1.13	.23	-.29	-.04	1.40	.99	1.20
15	1.38	.89	1.10	1.10	.56	.82	.03	-.35	-.14	1.59	1.11	1.39
16	1.20	.97	1.10	.56	-.12	.18	.18	-.43	-.02	1.11	.81	.93
17	1.24	.93	1.11	.26	-.10	.09	.20	-.05	.08	.93	.57	.73
18	1.25	.95	1.12	.47	.16	.35	.37	-.01	.20	.73	.43	.54
19	1.22	.95	1.09	.67	.20	.45	.32	.11	.22	.74	.39	.56
20	1.22	.87	1.06	.71	.28	.56	.39	.15	.27	.76	.42	.52
21	1.10	.83	.97	1.01	.71	.92	.81	.28	.61	1.03	.73	.82
22	1.02	.70	.90	1.09	.68	.94	.81	.55	.67	1.55	1.03	1.28
23	1.15	.70	.94	.68	.29	.50	.76	.52	.64	1.89	1.28	1.64
24	1.65	1.13	1.47	.58	.44	.50	1.03	.76	.85	1.49	.57	1.04
25	1.64	1.51	1.58	.63	.32	.45	1.06	.68	.86	1.15	.69	.93
26	1.71	1.30	1.60	.73	.46	.58	.82	.51	.63	1.30	.89	1.03
27	1.30	.82	1.04	.82	.53	.65	.56	-.10	.15	1.35	.97	1.13
28	.89	.68	.77	1.23	.82	.93	.42	.04	.22	1.14	.70	.94
29	.98	.82	.88	1.49	1.23	1.40	.42	-.10	.14	1.16	.79	.98
30	.90	.65	.77	1.45	1.03	1.23	.11	-.32	-.08	1.18	.77	.94
31	1.22	.90	1.06	---	---	---	.18	-.34	-.07	1.09	.77	.92
MONTH	2.60	.50	1.24	1.49	-.12	.68	1.09	-.43	.34	1.89	-.40	.91

MISSISSIPPI RIVER DELTA
07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1992 to current year.

WATER TEMPERATURES: August 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,600 microsiemens, May 28, 29, 1996; minimum daily, 1,480 microsiemens, Jan. 31, 1998.

WATER TEMPERATURES: Maximum daily, 36.7°C, July 8, 1998; minimum daily, 0.6°C, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum daily, 24,600 microsiemens, Oct. 24, Nov. 29; minimum daily, 1,480 microsiemens, Jan. 31.

WATER TEMPERATURES: Maximum daily, 36.7 °C, July 8; minimum daily, 2.9 °C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10700	10500	10700	23100	18200	21200	18100	15800	16800	13100	11100	12400
2	10600	9510	10300	22300	20700	21600	15800	13400	14500	18000	10800	14100
3	9510	8770	9080	21700	19400	20700	15900	13800	14600	21200	15000	17000
4	11600	8730	9900	20700	18700	19600	15400	11100	12200	20500	16100	18100
5	17200	10200	13000	20200	18300	19300	12100	9610	10900	19000	15900	17700
6	15200	12200	13400	21200	19300	20400	11000	9080	10000	18100	10700	13100
7	18000	12800	14800	21000	18400	19700	10800	9040	9560	10700	9410	9840
8	22000	13800	17700	18700	15100	16800	9370	7240	8160	10200	7280	8960
9	22700	14500	19300	16500	14900	15600	17100	9060	15300	8830	7740	8210
10	20900	16900	18800	17200	16100	16800	19200	11500	16000	7790	5520	6550
11	21100	17600	18900	18700	16900	17900	16800	15400	16200	6480	4000	5020
12	23400	16600	19600	17100	14100	15400	15400	12200	13300	5910	4530	4920
13	23800	18300	21000	17700	13100	15400	13300	9730	11200	6940	4810	5630
14	20900	17500	19000	18700	14500	16800	10200	9750	9990	5650	4620	5300
15	17500	15400	17000	17000	16400	16800	10900	9760	10300	5070	3910	4580
16	15800	14800	15200	16700	11300	13700	11100	9990	10600	4740	4040	4310
17	15900	14800	15300	14300	8910	11000	16600	11100	14800	4040	2190	3280
18	16400	14800	15400	12400	9670	10600	18400	16000	17200	4700	2330	3300
19	16500	15800	16200	13900	10700	12100	17800	16000	16900	4620	2150	2660
20	17300	16100	16600	16300	9250	12300	18100	15600	16800	2690	1710	2390
21	17200	16300	16700	17100	11600	14900	20900	15200	17600	3120	1710	2560
22	16800	15700	16200	19000	14800	17200	21000	17400	19700	4440	2510	3320
23	17600	14700	16300	17200	15300	16400	18700	16700	17500	5930	4350	4980
24	24600	16500	18600	15700	11700	12700	18600	16600	17500	4930	3020	4050
25	23100	20900	22300	12000	9550	11000	22300	17500	19500	3280	2570	2890
26	23300	20700	21600	15500	9340	12200	17700	13700	16400	3850	2560	3280
27	21700	20100	20500	16300	12100	14400	13700	8870	10500	3070	1900	2690
28	20300	17800	19500	22500	13500	17300	11500	9380	10600	3140	2120	2420
29	18100	17000	17600	24600	15300	20200	12500	9140	11200	2700	2090	2410
30	17800	16900	17500	19400	17500	18400	13600	11100	12300	2640	1990	2330
31	18800	16200	17400	---	---	---	12700	11900	12200	2600	1480	2050
MONTH	24600	8730	16600	24600	8910	16300	22300	7240	13900	21200	1480	6460

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6540	2230	3900	10400	8160	9440	12400	10700	11500	15800	14500	15000
2	6470	5260	5970	9400	7120	8810	12200	10000	11000	15000	14500	14800
3	5260	2650	4300	8900	6420	7530	12100	10500	11600	14700	13100	14300
4	3160	1610	2450	8170	5620	6180	12000	9780	10700	14600	12000	13200
5	2950	1510	2420	9360	7190	8350	9880	7370	8780	12200	9650	10800
6	2700	2150	2510	12300	8630	10300	8500	6940	7660	14500	9600	13200
7	2500	1780	2150	10400	7800	8960	13300	8230	10800	14600	13400	14100
8	7060	1790	4010	10600	7900	9070	12300	10600	11600	14700	14100	14500
9	7300	3970	5200	10900	8630	9550	11100	10500	10900	14400	12600	13600
10	6660	4280	5090	8630	7650	8030	10600	9490	10000	17000	12800	15700
11	10500	3490	5860	7830	5490	6840	9710	7170	8800	15600	13900	14700
12	8700	7040	7680	6240	2890	4470	8040	4840	6840	14500	14000	14200
13	7290	5890	6610	4530	3150	3790	11100	7940	10200	14100	13500	13900
14	6200	5260	5850	3810	2930	3430	16200	11000	14600	16700	13800	14900
15	7940	5260	6410	3570	2570	3070	14900	12400	13300	18900	16000	17600
16	15600	5640	9680	5870	3020	4190	14800	13000	13900	18600	16300	17700
17	13500	7800	10500	11600	5870	9240	18000	13400	16600	16300	13000	14600
18	11500	9880	10700	15100	10400	12400	15500	14200	14800	13900	11800	13100
19	10400	7300	8730	12800	9390	11000	15100	13400	14400	12200	10800	11600
20	8190	6130	7120	10800	9390	9940	13600	10600	12800	12100	10900	11400
21	7020	4750	6190	9850	6110	8270	11500	10300	11200	14200	11900	13200
22	9670	4110	5910	7890	4690	6130	10900	9940	10400	14700	13900	14200
23	9490	6960	8280	6560	4960	5950	10800	9960	10400	16900	14500	15300
24	8870	6220	7530	10300	6560	7820	10400	8710	9510	18100	16400	16900
25	7110	4350	5910	9230	7880	8380	14200	8150	8890	19300	17300	17800
26	9660	4190	7770	8770	7070	7910	17400	12800	14700	20500	18200	19200
27	13100	7700	10500	9970	7180	8280	18700	16100	17200	21500	17900	19900
28	11400	9680	10300	10300	8410	9580	18500	15500	17000	18800	17100	17900
29	---	---	---	9600	7260	8330	18600	13000	14600	19200	17300	18400
30	---	---	---	11800	8140	9250	18700	15700	17100	20100	17700	19100
31	---	---	---	11800	10200	11100	---	---	---	18500	16700	17800
MONTH	15600	1510	6410	15100	2570	7920	18700	4840	12100	21500	9600	15200
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17800	16400	17200	17700	17200	17500	16600	14500	15400	---	---	---
2	16800	16100	16400	17800	17400	17700	15200	14300	14700	---	---	---
3	16500	15800	16300	17900	16300	17500	14900	12800	14100	20700	17700	19300
4	17000	16300	16600	18100	16800	17700	18300	13200	14700	23000	19400	21300
5	19600	17000	18300	18100	15000	16800	18300	14600	16300	21300	20200	20600
6	19600	18200	19000	15500	14000	14800	16000	14500	15400	20200	17900	19100
7	18600	17700	18200	14600	12300	13700	16200	15000	15300	18500	16100	17500
8	18200	16800	17500	17300	14100	15300	17900	15100	16900	---	---	---
9	18600	16300	17400	18200	15700	16900	18100	16800	17700	---	---	---
10	19400	18300	18800	18100	17000	17400	17300	17000	17100	---	---	---
11	19900	17400	18900	18100	16900	17400	17100	16400	16700	---	---	---
12	20000	19300	19500	17900	16800	17400	16400	15700	16000	---	---	---
13	19800	18400	19200	18500	17300	18000	16100	15500	15800	---	---	---
14	19100	17700	18400	18500	17900	18300	15800	15300	15600	---	---	---
15	19600	17700	18900	18400	17200	17900	16400	15000	15600	---	---	---
16	20100	19600	19900	18200	17100	17800	16300	15200	15700	---	---	---
17	20400	19800	20100	18100	17600	17900	16300	15900	16100	---	---	---
18	21000	19900	20400	18100	17300	17700	15900	14900	15400	---	---	---
19	21400	20300	20900	17800	16900	17400	14900	13400	14200	---	---	---
20	21700	20800	21300	18300	16800	17600	14800	13500	14400	---	---	---
21	22000	21000	21500	18400	16600	17500	15300	14000	15000	---	---	---
22	21800	20200	21100	18600	15900	17700	16300	15200	15800	---	---	---
23	20500	18700	19500	18100	15700	17200	19700	15600	18700	6450	5180	5750
24	18800	16700	17800	17700	13400	17200	18900	18100	18500	6030	4350	4870
25	19200	16500	17500	17400	16400	16900	18500	17900	18300	5750	4450	4790
26	19200	17100	17800	17200	14400	15900	18100	16900	17500	6120	4400	5130
27	19300	16600	18300	15800	14200	15100	---	---	---	6660	4730	5620
28	19000	18200	18600	15600	13900	14800	---	---	---	12700	3130	8350
29	18300	17700	17900	16900	13700	15200	---	---	---	13400	11300	12800
30	17900	17100	17600	18100	16100	17300	---	---	---	11900	9560	10600
31	---	---	---	17200	16000	16500	---	---	---	---	---	---
MONTH	22000	15800	18700	18600	12300	16900	19700	12800	16000	---	---	---

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	31.0	26.9	28.9	23.9	20.6	22.4	17.9	14.9	16.5	17.4	6.3	11.6
2	29.6	24.7	27.2	22.3	18.7	20.9	18.5	15.9	17.2	14.8	11.8	13.3
3	28.5	23.0	25.7	19.3	16.1	18.1	19.5	17.4	18.3	16.7	13.2	15.0
4	28.5	24.2	26.5	18.7	14.9	17.1	18.1	14.3	16.7	18.7	15.6	17.0
5	27.6	24.8	26.3	18.6	15.8	17.3	14.8	11.3	12.8	18.7	18.1	18.4
6	28.9	25.4	27.1	20.5	14.9	18.2	15.2	8.5	11.4	18.6	17.8	18.2
7	28.0	25.1	26.7	14.9	12.1	13.4	11.8	9.6	10.8	18.9	17.6	18.5
8	27.5	25.0	26.4	17.7	11.6	14.4	18.6	11.0	14.0	17.6	14.3	16.1
9	27.5	25.7	26.7	16.7	13.8	15.2	20.0	14.8	16.6	14.3	12.3	13.5
10	27.5	25.4	26.5	16.1	14.1	15.1	20.9	16.8	19.0	15.8	13.0	14.0
11	26.8	24.9	26.0	15.5	14.4	15.1	16.8	8.8	12.1	16.4	12.7	14.5
12	26.6	24.2	25.6	15.9	15.2	15.5	8.8	6.5	7.3	18.6	15.5	17.0
13	26.5	25.5	26.0	18.6	15.6	16.6	7.3	6.0	6.6	19.0	17.3	18.1
14	25.7	20.3	22.8	18.1	16.2	17.1	6.8	4.5	5.5	17.3	16.5	16.8
15	20.4	17.7	19.1	17.7	14.5	16.5	14.1	2.9	7.8	16.9	14.1	16.2
16	19.8	16.2	18.1	15.4	10.1	12.5	15.6	7.7	10.8	15.1	12.6	13.9
17	20.0	16.3	18.2	15.4	8.5	11.5	14.9	10.0	11.7	16.6	13.1	14.9
18	20.0	16.3	18.2	13.9	10.6	12.6	14.5	11.6	13.0	19.5	15.0	17.1
19	20.3	16.3	18.2	13.8	13.0	13.4	16.6	13.8	15.2	18.2	14.4	16.4
20	21.7	18.5	20.0	17.2	12.9	14.6	16.1	15.2	15.7	15.6	11.3	14.2
21	23.3	19.8	21.4	20.3	15.7	18.0	17.5	15.8	16.6	17.1	14.2	15.4
22	23.0	20.8	21.9	20.7	18.8	19.9	18.2	16.2	17.0	17.2	16.3	16.8
23	22.4	20.4	21.5	19.1	16.1	17.9	17.1	16.3	16.6	16.3	13.4	15.1
24	24.5	21.1	22.5	18.2	14.1	16.2	18.6	15.7	17.4	14.6	12.1	13.2
25	25.3	23.3	24.2	17.8	13.0	15.6	16.9	14.9	16.0	15.3	11.5	13.2
26	25.1	21.3	23.9	19.6	14.9	16.9	15.4	12.5	14.4	13.4	12.4	12.9
27	21.4	17.1	19.8	19.5	17.0	18.4	13.0	9.0	10.9	12.7	10.5	11.9
28	17.6	14.9	16.4	20.6	18.5	19.4	11.4	7.8	9.7	13.8	9.3	11.5
29	16.6	14.8	15.9	21.6	20.0	20.8	11.4	5.9	8.2	15.3	11.3	13.2
30	19.7	15.9	17.6	20.0	17.9	18.8	14.4	7.1	10.3	15.9	13.4	14.6
31	23.4	18.8	20.4	---	---	---	14.8	8.8	11.1	17.0	13.3	15.0
MONTH	31.0	14.8	22.8	23.9	8.5	16.6	20.9	2.9	13.1	19.5	6.3	15.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.0	13.7	14.9	18.9	15.5	17.2	24.0	21.2	22.4	26.4	21.6	24.0
2	15.8	13.8	15.1	18.0	12.6	15.7	25.7	21.8	23.8	27.7	24.0	25.5
3	15.8	12.6	13.9	18.7	14.4	16.1	26.0	23.8	24.6	28.6	24.7	26.4
4	16.0	11.1	12.8	17.6	14.5	16.3	24.3	22.0	23.3	29.3	25.3	26.8
5	13.3	10.5	12.2	18.7	16.4	17.6	24.5	20.5	21.9	29.6	26.5	27.9
6	14.1	10.6	12.0	18.9	17.2	18.1	22.7	20.9	21.6	28.2	25.7	27.1
7	15.5	9.3	11.6	20.7	18.3	19.2	23.4	20.5	21.9	28.0	25.5	26.8
8	14.4	9.8	11.8	20.5	15.9	19.5	25.0	22.4	23.5	28.6	26.4	27.4
9	13.8	12.5	13.3	16.3	13.1	15.0	24.5	22.1	23.3	29.9	26.6	28.1
10	18.3	12.9	15.3	16.2	12.4	14.3	24.1	20.7	22.5	28.8	26.5	27.7
11	17.8	14.8	16.5	15.7	7.7	11.9	24.1	17.6	20.9	30.1	25.8	27.6
12	16.9	15.4	16.1	16.8	7.4	12.4	23.6	20.3	21.8	30.6	28.0	28.8
13	17.7	14.5	16.1	17.5	9.6	13.9	23.4	19.7	21.9	29.8	26.9	28.2
14	18.0	15.2	16.4	16.6	12.9	14.9	23.6	21.8	22.7	29.6	27.1	28.2
15	15.7	13.9	14.5	17.9	14.5	16.3	24.6	22.8	23.7	30.2	27.7	28.7
16	14.9	13.9	14.3	21.1	16.1	18.4	25.8	23.4	24.4	30.3	28.3	29.1
17	16.6	13.5	14.9	21.3	18.7	19.9	24.9	24.2	24.6	30.4	27.4	29.0
18	16.3	13.7	15.1	19.8	19.2	19.5	25.8	23.7	24.4	30.9	27.7	29.3
19	15.8	13.7	14.9	20.8	18.9	19.7	23.7	21.6	22.7	31.4	28.0	29.8
20	17.7	13.3	15.0	19.5	15.4	17.7	24.9	19.9	22.2	32.6	29.1	30.5
21	17.8	14.7	16.2	18.4	14.1	16.0	25.5	20.6	22.8	30.4	28.4	29.4
22	17.7	14.3	16.0	20.8	15.1	17.4	23.4	19.2	21.2	29.8	26.8	28.4
23	17.0	13.1	15.0	21.9	15.9	18.2	22.9	17.8	20.9	29.6	26.6	28.2
24	18.9	14.7	16.4	22.7	17.4	19.5	24.9	19.7	22.3	29.7	27.6	28.7
25	19.8	15.9	17.7	22.3	18.8	20.7	24.5	21.7	23.0	29.6	27.8	28.8
26	20.0	17.8	18.8	23.4	20.2	21.7	23.7	21.4	22.7	30.7	28.8	29.6
27	19.1	16.8	18.1	23.3	20.6	22.0	25.0	22.3	23.5	31.5	29.7	30.4
28	19.6	17.2	18.5	24.6	21.4	23.0	23.7	21.5	23.1	31.3	29.8	30.3
29	---	---	---	25.1	22.9	24.0	21.5	19.8	20.5	31.9	29.6	30.6
30	---	---	---	25.6	23.4	24.4	24.5	20.3	22.1	32.4	30.0	31.1
31	---	---	---	24.3	22.1	23.4	---	---	---	33.2	29.9	31.2
MONTH	20.0	9.3	15.1	25.6	7.4	18.2	26.0	17.6	22.7	33.2	21.6	28.5

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	33.2	29.9	31.5	34.3	29.1	31.6	34.2	29.9	32.1	---	---	---
2	32.5	29.6	31.0	32.4	29.2	30.3	34.1	29.8	31.9	---	---	---
3	32.2	29.1	30.6	32.6	29.1	30.7	33.4	28.5	31.0	30.7	26.1	28.3
4	31.3	28.6	30.0	34.1	29.6	31.8	31.5	28.2	30.4	30.5	28.7	29.5
5	31.2	28.7	29.9	33.4	29.6	31.7	32.9	28.4	30.8	30.3	28.3	28.9
6	30.7	28.4	29.3	35.3	30.4	32.7	34.0	29.4	31.6	28.6	27.4	27.8
7	28.8	26.8	27.8	35.9	32.1	33.8	34.5	30.0	32.2	27.7	26.5	27.1
8	29.8	26.3	27.8	36.7	31.7	33.9	34.5	31.0	32.7	---	---	---
9	32.2	27.7	29.4	34.6	31.7	33.0	34.7	31.1	32.6	---	---	---
10	31.5	28.9	30.1	34.4	31.3	32.6	34.8	30.1	32.1	---	---	---
11	31.8	29.2	30.5	34.7	31.2	32.7	35.2	31.3	33.1	---	---	---
12	32.0	29.2	30.6	34.2	31.1	32.3	34.7	31.4	33.0	---	---	---
13	33.4	29.5	31.2	34.3	30.8	32.1	33.1	31.3	32.4	---	---	---
14	32.3	29.3	30.7	31.6	28.2	30.1	31.4	28.8	30.0	---	---	---
15	31.7	28.1	29.9	33.6	28.9	31.0	30.3	27.6	29.1	---	---	---
16	32.4	28.9	30.6	32.9	30.2	31.3	31.5	27.6	29.8	---	---	---
17	33.3	29.5	31.3	31.6	29.2	30.4	33.7	29.1	30.8	---	---	---
18	34.2	30.2	31.9	32.2	28.2	30.1	32.5	29.3	30.7	---	---	---
19	34.1	30.1	32.0	33.3	29.1	31.3	32.5	28.1	30.5	---	---	---
20	34.1	29.7	32.0	33.7	30.3	31.9	32.2	29.4	30.8	---	---	---
21	34.9	30.0	32.4	32.1	29.8	31.1	30.8	28.1	29.4	---	---	---
22	32.5	30.4	31.3	31.4	29.6	30.5	31.3	27.5	29.2	---	---	---
23	32.5	30.2	31.3	32.5	29.5	31.0	30.7	29.2	30.0	30.9	28.6	29.6
24	33.5	30.4	31.8	33.2	29.8	31.4	31.6	29.7	30.6	30.8	27.9	29.4
25	31.9	27.7	30.0	35.2	30.2	32.3	33.3	30.1	31.3	29.7	27.1	28.5
26	27.9	26.4	27.2	32.7	30.4	31.3	32.6	30.4	31.7	29.9	26.7	28.1
27	27.3	26.5	26.9	32.2	29.8	30.9	---	---	---	28.7	24.1	26.4
28	28.9	26.4	27.4	35.0	29.6	32.2	---	---	---	25.3	23.4	24.3
29	32.7	27.9	29.5	35.2	30.3	32.5	---	---	---	25.9	23.5	24.7
30	34.6	29.5	31.6	34.5	30.1	32.4	---	---	---	28.8	24.1	26.5
31	---	---	---	33.1	29.8	31.9	---	---	---	---	---	---
MONTH	34.9	26.3	30.3	36.7	28.2	31.7	35.2	27.5	31.1	30.9	23.4	27.6

MISSISSIPPI RIVER DELTA

07381324 BAYOU GRAND CAILLOU AT DULAC, LA

LOCATION.--Lat 29°22'58", long 90°42'55", in sec. 86, T. 19 S, R. 17 E., St. Helena Meridian, Terrebonne Parish Hydrologic Unit 08090302, on downstream side of Bouquet Bridge, 0.1 mi west of intersection of parish road and Highway 57, 0.8 mi south of Dulac, 16.4 mi south of Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to September 30, 1988 (daily discharges below 6.0 ft stage only, discontinued); January 1989 to September 1998 (discontinued).

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is sea level. Prior to July 9, 1996 datum of gage was 4.00 ft above sea level. Prior to Oct. 1, 1985, datum of gage was 6.00 ft above sea level.

REMARKS.--No estimated daily discharge. Records poor. No gage-height record: Jan. 22-23, Feb. 10, Apr. 28-29, May 5, and Aug. 4. No velocity record: Oct. 21-Dec. 10, Jan. 22-27, Feb. 10-11, Apr. 28-29, May 5, 19, and Aug. 4. Site affected by tide and wind. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 2,640 ft³/s, Oct. 13, 1984; maximum gage height, 8.89 ft, Oct. 28, 1985; maximum negative discharge, -1,960 ft³/s, Sept. 11, 1998; no flow at times each year.

EXTREMES FOR CURRENT PERIOD.--Maximum positive daily discharge recorded, 847 ft³/s, Mar. 8; maximum gage height, 3.03 ft, Sept. 12; maximum negative daily discharge recorded, -1,960, Sept. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	---	---	-43	48	359	210	387	109	184	38	-92
2	-2.6	---	---	18	346	233	151	379	91	75	26	-14
3	-4.9	---	---	46	282	134	376	332	68	48	-25	-147
4	-7.6	---	---	37	206	34	345	248	29	67	---	-48
5	-37	---	---	259	224	157	282	---	68	83	52	67
6	-73	---	---	115	191	221	64	44	91	88	65	100
7	-136	---	---	515	130	226	125	156	119	52	51	31
8	-177	---	---	460	127	558	172	163	37	49	50	23
9	-158	---	---	372	107	459	295	35	40	57	66	-20
10	-177	---	---	294	---	319	328	333	92	79	53	-331
11	-211	---	249	233	---	278	168	195	55	65	19	-1230
12	-235	---	85	118	308	235	-43	63	102	56	34	-395
13	-171	---	1.4	234	174	107	83	31	128	39	50	115
14	162	---	76	210	88	103	107	107	98	103	46	153
15	78	---	-29	440	-50	30	-22	138	98	65	50	329
16	56	---	2.6	350	78	23	41	205	84	78	50	333
17	68	---	-43	254	474	128	109	187	31	73	59	288
18	72	---	5.1	162	534	139	155	112	59	47	73	232
19	28	---	-33	155	370	218	308	---	79	41	53	74
20	59	---	.93	54	336	451	191	111	85	38	28	307
21	---	---	65	45	135	272	235	111	60	37	-33	355
22	---	---	42	---	315	172	307	93	60	44	-55	391
23	---	---	96	---	366	151	189	66	52	37	24	290
24	---	---	166	---	207	69	86	65	66	55	29	224
25	---	---	149	---	54	37	-19	32	-16	48	52	142
26	---	---	161	---	58	-16	80	59	-80	68	116	164
27	---	---	133	---	244	27	47	69	-57	77	121	214
28	---	---	58	268	235	234	---	48	161	68	94	214
29	---	---	128	208	---	-9.1	---	110	216	68	21	219
30	---	---	-.52	201	---	-35	192	121	245	69	56	57
31	---	---	56	94	---	33	---	117	---	47	34	---
TOTAL	---	---	---	---	---	5346.9	---	---	2270	2005	---	2045
MEAN	---	---	---	---	---	172	---	---	75.7	64.7	---	68.2

MISSISSIPPI RIVER DELTA

07381324 BAYOU GRAND CAILLOU AT DULAC, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.04	.54	.03	-.70	.77	.09	1.15	1.44	.50	.29	.19	1.22
2	.12	.21	.12	-.35	.86	-.09	1.17	1.24	.44	.44	.26	1.38
3	.14	-.12	.24	-.08	.24	-.21	1.03	1.08	.44	.53	.63	1.43
4	.27	-.29	-.09	.10	.10	.09	.70	.97	.85	.51	---	1.42
5	.42	.02	-.34	.54	.01	.38	.57	---	.88	.37	.60	1.22
6	.53	-.11	-.51	.66	-.18	.67	.78	.88	.82	.18	.57	1.07
7	.79	-.56	-.40	.92	-.18	1.26	1.00	.90	.72	.30	.69	1.20
8	1.13	-.42	.03	.33	-.04	1.18	1.00	.72	.88	.37	.68	1.38
9	1.21	-.26	.20	.01	.01	.38	.63	1.04	1.04	.32	.57	1.40
10	1.29	-.09	.18	-.01	---	-.09	.11	.80	.96	.13	.44	2.05
11	1.37	-.10	-.30	.03	.37	-.35	.19	.70	.97	.02	.46	2.63
12	1.61	.35	-.64	.22	.04	-.34	.53	.75	.84	.00	.41	2.77
13	1.65	.52	-.59	.33	.15	-.08	1.03	.89	.61	.12	.31	2.45
14	.98	.27	-.84	.72	.20	-.09	.99	.96	.54	.18	.31	2.23
15	.60	.02	-.80	.66	1.01	.19	1.15	.90	.62	.21	.45	1.97
16	.57	-.42	-.71	.03	1.09	.59	1.42	.66	.65	.08	.51	1.77
17	.47	-.32	-.55	-.15	.98	.98	1.35	.50	.69	.00	.51	1.68
18	.42	-.08	-.46	-.18	.53	1.04	1.28	.46	.69	.10	.47	1.63
19	.38	-.05	-.37	-.16	.28	1.04	.90	---	.62	.20	.57	1.79
20	.31	.11	-.23	.08	.15	.52	.84	.59	.50	.26	.77	1.62
21	.24	.27	.12	.32	.17	.10	.79	.60	.50	.34	1.10	1.31
22	.22	.18	.04	---	.63	.16	.31	.64	.47	.40	1.25	.95
23	.43	-.05	.19	---	.07	.24	.27	.75	.44	.43	1.19	.77
24	.76	.08	.25	.22	-.04	.34	.39	.76	.45	.41	1.12	.88
25	.79	-.01	.09	.27	.21	.53	.80	.87	.73	.41	.95	1.00
26	.78	.04	.11	.51	.65	.75	1.15	.89	1.27	.31	.81	1.04
27	.21	.12	-.44	.24	.70	1.00	1.27	.88	1.29	.28	.64	.89
28	.23	.42	-.38	.17	.59	.87	---	.98	1.06	.29	.53	.84
29	.28	.70	-.89	.24	---	1.04	---	.94	.65	.27	.67	.42
30	.21	.33	-.98	.15	---	1.20	1.78	.80	.42	.27	.72	.62
31	.46	---	-.87	.38	---	1.36	---	.66	---	.24	.90	---
MEAN	.61	.04	-.28	---	---	.48	---	---	.72	.27	---	1.43
MAX	1.65	.70	.25	---	---	1.36	---	---	1.29	.53	---	2.77
MIN	-.04	-.56	-.98	---	---	-.35	---	---	.42	.00	---	.42

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA

LOCATION.--Lat 29°31' 10", long 90°48' 16", sec. 11, T. 18 S., R. 17 E., Terrebonne Parish, Hydrologic Unit 08090302, on a three-pile structure 8.0 mi north of Falgout Canal Boat Landing and 2.0 mi. south of Crozier.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

REMARKS.--Gage height affected by wind and tide. Satellite telemetry at station. No data published for outside gage this year.

EXTREMES FOR PERIOD OF RECORD.--Maximum outside gage height recorded, 2.73 ft, Apr. 5, 1997; minimum outside recorded, -0.53 ft, Jan. 8, 1996; maximum inside gage height recorded, 3.24 ft, Sept. 12, 1998; minimum inside recorded, -0.53 ft, Jan. 8, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum and minimum outside gage height missing for the year; maximum inside gage height recorded, 3.24 ft, Sept. 12; minimum inside recorded, -0.32 ft, Dec. 15.

INSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.81	.54	.66	1.10	1.02	1.07	1.04	.67	.82	.25	-.14	.03
2	.89	.70	.78	1.11	.67	.90	.97	.65	.80	.47	.18	.33
3	.84	.68	.76	.88	.38	.61	.98	.68	.86	.65	.45	.52
4	.84	.75	.79	.41	.18	.30	.91	.41	.67	.85	.65	.68
5	.92	.82	.85	.49	.28	.38	.54	.16	.35	1.49	.85	1.31
6	.96	.80	.89	.57	.32	.46	.36	.04	.19	1.75	1.34	1.46
7	1.05	.96	1.02	.32	-.10	.14	.26	.12	.19	1.90	1.75	1.87
8	1.19	1.05	1.12	.14	-.05	.06	.77	.24	.51	1.84	1.57	1.70
9	1.28	1.19	1.23	.26	.14	.20	.83	.66	.75	1.57	1.33	1.41
10	1.37	1.28	1.33	.37	.24	.32	.89	.75	.81	1.39	1.10	1.28
11	1.41	1.36	1.39	.37	.34	.36	.75	.24	.40	1.34	1.12	1.19
12	1.43	1.39	1.41	.62	.36	.56	.39	-.12	.10	1.29	1.14	1.20
13	1.44	1.41	1.42	.63	.62	.62	.38	-.12	.10	1.44	1.23	1.29
14	1.71	1.43	1.56	1.06	.62	.83	.40	-.30	-.04	1.64	1.44	1.53
15	1.65	1.53	1.57	1.06	.56	.79	-.03	-.32	-.19	1.80	1.63	1.72
16	1.57	1.38	1.46	.72	.10	.35	.00	-.22	-.13	1.67	1.48	1.58
17	1.45	1.07	1.30	.39	.12	.25	.09	-.04	.03	1.49	1.29	1.40
18	1.38	1.08	1.23	.55	.27	.36	.22	.02	.13	1.29	1.16	1.21
19	1.27	1.01	1.15	.60	.34	.49	.26	.11	.19	1.21	.97	1.07
20	1.22	.88	1.07	.58	.40	.57	.39	.21	.30	1.12	.93	1.02
21	1.11	.81	.98	.98	.58	.80	.63	.34	.48	1.17	1.07	1.11
22	1.03	.72	.89	1.05	.73	.89	.64	.60	.62	1.60	1.12	1.41
23	1.00	.74	.89	.75	.52	.64	1.14	.64	.87	1.61	1.46	1.51
24	1.18	1.00	1.11	.67	.56	.65	1.21	1.06	1.13	1.48	1.18	1.35
25	1.24	1.18	1.22	.68	.45	.55	1.15	.79	.93	1.38	1.07	1.23
26	1.31	1.21	1.27	.56	.54	.55	.98	.73	.86	1.63	1.23	1.45
27	1.21	.83	.97	.56	.50	.55	.87	.29	.50	1.63	1.30	1.43
28	.90	.78	.82	.94	.56	.69	.57	.22	.41	1.41	1.15	1.27
29	.96	.87	.91	1.31	.94	1.20	.55	.03	.24	1.37	1.14	1.24
30	.92	.70	.79	1.32	.92	1.12	.14	-.21	-.04	1.29	1.03	1.16
31	1.02	.82	.94	---	---	---	.20	-.24	-.03	1.31	1.15	1.21
MONTH	1.71	.54	1.09	1.32	-.10	.58	1.21	-.32	.41	1.90	-.14	1.23

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.40	1.31	1.37	1.31	1.03	1.17	1.82	1.73	1.75	2.17	2.06	2.09
2	1.42	1.39	1.40	1.04	.93	1.00	1.79	1.70	1.73	2.06	1.87	1.96
3	1.40	1.22	1.30	.93	.71	.83	1.80	1.73	1.76	1.87	1.71	1.77
4	1.24	1.06	1.14	.93	.73	.83	1.74	1.57	1.63	1.72	1.56	1.63
5	1.17	.94	1.03	1.06	.93	1.00	1.57	1.40	1.48	1.75	1.55	1.64
6	1.05	.72	.86	1.78	1.06	1.27	1.54	1.44	1.49	1.77	1.70	1.76
7	.90	.68	.80	2.01	1.78	1.85	1.57	1.53	1.55	1.78	1.75	1.77
8	.91	.76	.84	2.13	1.93	2.04	1.60	1.57	1.58	1.75	1.62	1.69
9	.89	.75	.82	1.93	1.67	1.78	1.61	1.35	1.51	1.74	1.62	1.68
10	1.18	.82	.90	1.67	1.22	1.48	1.35	.97	1.15	1.75	1.56	1.69
11	1.29	1.17	1.24	1.22	.94	1.03	1.19	.91	1.04	1.57	1.48	1.53
12	---	---	---	.99	.75	.85	1.21	.98	1.13	1.54	1.48	1.52
13	---	---	---	.96	.84	.89	1.37	1.21	1.27	1.52	1.50	1.51
14	---	---	---	.88	.79	.84	1.47	1.37	1.42	1.52	1.51	1.52
15	---	---	---	1.05	.85	.97	1.55	1.46	1.48	1.52	1.52	1.52
16	---	---	---	1.16	1.03	1.08	1.81	1.55	1.64	1.52	1.47	1.49
17	---	---	---	1.44	1.16	1.36	1.82	1.72	1.75	---	---	---
18	---	---	---	1.73	1.44	1.58	1.74	1.69	1.71	---	---	---
19	1.49	1.37	1.41	1.76	1.70	1.73	1.72	1.54	1.61	---	---	---
20	1.40	1.23	1.29	1.75	1.48	1.62	1.56	1.38	1.48	---	---	---
21	1.23	1.04	1.15	1.48	1.31	1.37	1.53	1.40	1.47	---	---	---
22	1.55	1.22	1.47	1.39	1.16	1.27	1.40	1.08	1.19	---	---	---
23	1.50	1.27	1.35	1.33	1.14	1.25	1.12	.98	1.04	---	---	---
24	1.27	1.06	1.15	1.33	1.15	1.25	1.07	.98	1.03	---	---	---
25	1.20	1.04	1.12	1.31	1.27	1.29	1.24	1.02	1.15	---	---	---
26	1.31	1.18	1.24	1.35	1.30	1.33	1.41	1.24	1.32	---	---	---
27	1.37	1.31	1.35	1.43	1.35	1.40	1.49	1.41	1.46	---	---	---
28	1.39	1.31	1.36	1.45	1.43	1.45	2.12	1.49	1.80	---	---	---
29	---	---	---	1.53	1.40	1.49	2.44	2.12	2.34	---	---	---
30	---	---	---	1.63	1.52	1.56	2.37	2.17	2.24	---	---	---
31	---	---	---	1.82	1.63	1.71	---	---	---	---	---	---
MONTH	---	---	---	2.13	.71	1.31	2.44	.91	1.51	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	1.23	1.11	1.20	.91	.70	.84	1.49	1.36	1.44
2	---	---	---	1.27	1.11	1.20	.89	.73	.83	1.55	1.49	1.53
3	---	---	---	1.25	1.18	1.23	.95	.87	.92	1.63	1.55	1.60
4	---	---	---	1.24	1.13	1.21	1.02	.95	.99	1.68	1.63	1.66
5	---	---	---	1.19	1.00	1.15	1.05	1.02	1.04	1.67	1.65	1.66
6	---	---	---	1.09	.87	1.03	1.09	1.00	1.05	1.67	1.63	1.65
7	---	---	---	1.07	.85	1.00	1.13	1.05	1.10	1.73	1.63	1.68
8	---	---	---	1.09	.95	1.03	1.15	1.09	1.12	1.79	1.73	1.76
9	---	---	---	1.07	.96	1.03	1.15	1.10	1.13	1.85	1.77	1.80
10	---	---	---	1.01	.81	.96	1.12	1.05	1.09	2.37	1.85	2.07
11	---	---	---	.90	.76	.84	1.10	1.01	1.07	2.95	2.37	2.68
12	---	---	---	.85	.69	.79	1.09	1.03	1.06	3.24	2.95	3.12
13	---	---	---	.85	.75	.80	1.04	.91	1.00	3.03	2.80	2.96
14	---	---	---	1.11	.83	.97	1.05	.86	.97	2.87	2.70	2.81
15	---	---	---	1.03	.92	.99	1.09	.91	1.02	2.70	2.52	2.64
16	---	---	---	.99	.83	.92	1.25	1.01	1.09	2.52	2.33	2.45
17	---	---	---	.89	.72	.83	1.27	1.05	1.17	2.35	2.25	2.31
18	---	---	---	.90	.71	.83	1.42	1.08	1.26	2.27	2.21	2.23
19	---	---	---	.87	.71	.81	1.43	1.22	1.34	2.29	2.19	2.23
20	---	---	---	.88	.74	.83	1.41	1.19	1.34	2.26	2.14	2.22
21	---	---	---	.91	.79	.87	1.44	1.38	1.42	2.14	1.96	2.06
22	---	---	---	.94	.89	.92	1.50	1.44	1.47	1.96	1.76	1.86
23	---	---	---	1.02	.91	.97	1.54	1.50	1.52	1.78	1.61	1.69
24	---	---	---	1.03	.97	1.00	1.54	1.49	1.54	1.69	1.53	1.60
25	---	---	---	1.03	.97	1.01	1.54	1.51	1.53	1.63	1.46	1.56
26	1.55	1.30	1.43	1.04	.94	.99	1.52	1.46	1.50	1.64	1.48	1.57
27	1.65	1.55	1.59	1.08	.92	.98	1.49	1.31	1.43	1.60	1.39	1.52
28	1.65	1.57	1.60	1.08	.97	1.03	1.38	1.21	1.30	1.55	1.42	1.52
29	1.57	1.39	1.48	1.02	.96	.99	1.36	1.23	1.31	1.49	1.13	1.33
30	1.39	1.23	1.33	1.00	.90	.97	1.33	1.24	1.30	1.36	1.14	1.29
31	---	---	---	.95	.82	.92	1.36	1.29	1.34	---	---	---
MONTH	---	---	---	1.27	.69	.98	1.54	.70	1.20	3.24	1.13	1.95

MISSISSIPPI RIVER DELTA
07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1993 to current year.

WATER TEMPERATURES: October 1993 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum outside daily, 42,500 microsiemens, Nov. 18, 1996; minimum outside daily, less than 200 microsiemens on several days during the water years, 1994, 1995; maximum inside daily, 32,800 microsiemens, Oct. 2, 1995, Nov. 18, 1996; minimum inside daily, 192 microsiemens Mar. 28, 1997.

WATER TEMPERATURES: Maximum outside daily, 33.9°C, Aug. 2, 1998; minimum outside daily, 1.8°C, Feb. 4, 1996; maximum inside daily, 34.0°C, July 24, 1995; minimum inside daily, 1.7°C, Feb. 4, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum outside daily, 34,600 microsiemens, Oct. 13; minimum outside daily, 285 microsiemens Mar. 19; maximum inside daily, 31,300 microsiemens, Oct. 13; minimum inside daily 302 microsiemens Feb. 2.

WATER TEMPERATURES: Maximum outside daily, 33.9 °C Aug. 2, minimum outside daily, 6.0°C, Dec. 15; maximum inside daily, 33.2°C, June 19; minimum inside daily, 6.0°C, Dec. 15.

OUTSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	5550	2490	4720	6530	3580	5770	3410	947	2950	2940	596	1580
2	4310	2680	3800	7790	2730	6340	3400	917	2340	1510	513	822
3	3280	912	2260	7640	1650	5690	3380	833	1960	739	528	617
4	1710	589	1010	7230	1650	4410	3720	1310	2970	558	501	522
5	1340	558	824	5660	1380	2260	3990	1280	3280	1070	485	808
6	2760	948	1430	7160	1450	4290	3910	1040	3050	1010	834	917
7	11900	2760	8830	8460	2260	5970	3850	957	2610	834	539	652
8	30700	11700	24000	4940	1250	2120	1960	788	1090	708	546	652
9	33500	30700	32700	3600	1350	1940	4180	1110	2380	756	708	735
10	33800	31800	32800	3660	1400	1800	4920	3000	3970	849	740	806
11	32700	32000	32400	5750	1490	2480	4180	1040	3000	1070	797	962
12	33700	31900	32700	5480	1200	3440	4120	952	3020	1210	1020	1110
13	34600	32800	34100	4790	2010	3760	3940	661	2150	1340	676	1090
14	32800	18900	26700	3560	2980	3380	4150	635	2430	1340	1100	1240
15	18900	12200	14400	3690	3180	3400	4240	926	2270	1210	725	986
16	12400	11000	11900	3880	1880	3390	4240	755	2070	729	626	689
17	11500	10300	10800	4490	1660	3050	4270	885	1970	813	729	766
18	13000	9620	10500	3960	1130	2030	4340	908	2350	966	813	892
19	13700	9130	10600	4530	1190	3180	4300	751	2030	1180	966	1070
20	12200	8430	10100	4490	1180	2480	2780	686	1420	1240	620	1070
21	9660	8010	8750	2580	1110	1590	1330	892	1040	1200	478	770
22	8390	7000	7770	4120	2180	3200	4050	1050	2440	638	493	534
23	7260	5290	5940	4300	1780	4020	3630	914	2270	1130	532	855
24	24500	5950	15800	3710	1060	2190	2460	1810	2180	923	742	850
25	23000	12500	16200	4550	1510	2840	2570	997	2260	1060	358	899
26	24500	12200	20500	3890	1120	2170	2720	990	2050	729	307	524
27	12200	8550	9920	4280	1210	2050	2850	1020	2270	679	633	653
28	9170	4940	6950	3550	1170	2540	3010	954	1980	769	651	703
29	8890	4890	6380	14800	3550	8870	3060	1050	2780	890	735	805
30	9060	3300	6370	5000	3300	3840	3040	855	2430	1050	737	913
31	3700	3210	3410	---	---	---	3050	692	1920	1050	368	706
MONTH	34600	558	13400	14800	1060	3480	4920	635	2350	2940	307	845

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

OUTSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	368	298	308	1070	881	979	359	322	346	657	520	569
2	299	292	295	1360	1070	1250	386	346	370	819	657	746
3	984	296	828	1550	1310	1430	392	365	375	918	800	849
4	1140	984	1080	1680	593	1100	597	382	527	989	911	946
5	1350	1080	1240	901	566	685	674	496	626	997	525	872
6	1650	1100	1520	566	385	491	731	505	613	884	432	541
7	---	---	---	634	302	470	509	379	456	594	424	464
8	2080	826	1390	537	293	373	426	332	366	938	487	717
9	2080	716	1300	694	537	640	848	380	659	938	446	566
10	1330	499	854	761	683	711	1160	848	985	812	446	542
11	1560	535	976	797	738	756	1270	1000	1170	930	808	895
12	---	---	---	889	797	844	1340	449	864	980	614	811
13	---	---	---	1010	889	933	466	368	407	922	655	813
14	---	---	---	1160	1010	1090	440	372	389	664	458	537
15	---	---	---	1180	984	1120	478	423	445	541	444	486
16	---	---	---	1150	645	933	452	441	445	664	444	579
17	---	---	---	645	297	442	479	449	463	825	490	710
18	---	---	---	338	288	307	515	457	480	940	546	834
19	978	856	927	369	285	314	725	466	636	982	700	880
20	1030	883	975	859	332	629	830	556	732	930	548	762
21	1150	976	1110	933	856	915	870	556	802	611	496	574
22	1140	863	1070	947	911	930	1150	861	1010	516	408	466
23	923	781	869	1010	697	929	1360	1150	1250	498	424	450
24	981	901	955	999	697	904	1400	633	1160	506	413	434
25	1080	961	1030	999	620	826	1290	396	698	449	405	417
26	1050	470	806	710	537	645	409	394	399	465	395	415
27	499	424	458	537	337	405	431	403	411	516	402	445
28	998	351	549	354	312	325	427	406	419	454	399	423
29	---	---	---	343	331	334	2380	422	891	410	388	401
30	---	---	---	339	324	333	2210	534	760	470	392	421
31	---	---	---	331	314	323	---	---	---	546	394	460
MONTH	---	---	---	1680	285	721	2380	322	638	997	388	614

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	682	417	574	1060	907	976	1910	568	1170	1130	510	649
2	788	550	672	1100	579	868	1630	399	616	16700	1040	9760
3	835	432	617	1170	436	675	741	376	456	24200	4980	13600
4	496	361	406	1120	499	736	2110	377	690	27600	20000	24600
5	373	364	368	1270	648	962	2110	648	1090	27300	14700	18700
6	408	370	386	1430	742	1150	957	424	600	14700	6840	10100
7	614	403	496	1490	509	885	598	393	457	10500	3380	5450
8	697	405	503	1740	456	905	499	402	436	9550	4420	6530
9	430	376	404	1620	562	928	619	421	478	9470	6350	8150
10	403	365	385	1670	490	983	799	470	565	28000	6350	15100
11	487	369	415	1720	577	1040	1010	486	646	30000	27000	28300
12	490	398	453	2020	797	1260	744	486	592	29300	18500	26700
13	642	441	591	2130	604	1090	1450	510	853	19900	11700	17400
14	729	572	664	1770	668	1120	1500	477	832	12200	5320	8900
15	707	501	597	1930	730	1320	1150	431	602	10100	7430	8950
16	740	495	585	2130	1360	1860	1430	452	715	7510	5790	6880
17	782	509	647	2340	826	1740	1430	434	854	5790	4420	5340
18	591	456	529	2620	521	1150	1270	522	937	5460	3230	4150
19	848	487	554	2360	609	1140	931	527	800	4340	2230	3200
20	944	667	820	2350	512	854	957	439	623	4310	2530	3520
21	932	446	631	1780	520	838	5460	443	1010	4510	4310	4470
22	979	457	658	960	448	580	17800	3440	7730	4480	4170	4370
23	979	468	669	768	469	557	18100	7920	11500	4190	3930	4070
24	1130	512	725	764	470	579	8750	4970	6550	3940	3790	3890
25	1200	476	744	797	460	545	5610	3390	4750	3860	3620	3750
26	2170	408	515	825	482	593	4620	1840	3290	3690	1220	2410
27	2860	573	1460	1930	528	989	4020	2720	3250	3510	833	1930
28	2580	659	1460	2190	740	1580	2720	2180	2320	3520	1250	1970
29	803	645	755	2280	656	1470	2410	666	1490	4110	2830	3650
30	935	803	895	2120	604	1270	2470	639	1270	4130	1790	3380
31	---	---	---	2070	452	1030	1980	519	730	---	---	---
MONTH	2860	361	639	2620	436	1020	18100	376	1870	30000	510	8660

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	5810	4740	5540	6700	6220	6480	3410	2690	3100	2830	744	1840
2	4740	4000	4270	7430	6270	6760	3630	2280	3120	1560	604	934
3	4000	2040	3360	7510	6810	7090	3260	1310	2320	775	582	671
4	2040	1300	1510	7630	6000	6880	3880	2810	3370	599	510	549
5	1390	1010	1120	6920	5560	6200	4210	3560	3780	1030	495	800
6	1190	1090	1110	6790	6120	6450	4110	3260	3810	981	857	903
7	7370	1190	3660	7920	6760	7450	4070	2620	3740	857	516	647
8	23300	7370	16200	7720	6510	7080	3090	2150	2610	666	526	619
9	23600	20100	22200	6700	5880	6130	4500	2050	3340	687	656	670
10	24400	22300	23700	6160	5480	5700	4050	2520	3730	751	665	711
11	27300	24300	26300	6260	4960	5790	4220	3610	3840	896	691	823
12	29700	27300	28700	5180	4730	4950	4140	2770	3810	1000	847	931
13	31300	29300	30500	4960	3660	4190	4150	888	2870	1090	666	945
14	29300	17300	24400	3670	3020	3310	4010	810	2850	1080	937	1000
15	17300	11300	13500	3830	3120	3380	4140	2580	3510	941	547	777
16	11400	10100	10900	4290	3360	3700	4060	2100	3210	547	479	523
17	10200	9310	9810	4910	3660	4230	4130	2220	3160	594	547	562
18	9310	8730	9060	4820	2740	3790	4140	2860	3500	707	594	650
19	10200	8260	8810	5050	3160	4250	4210	2630	3380	887	707	803
20	10300	7650	8710	4880	2750	4060	3470	841	2400	931	588	849
21	8600	7230	7850	3110	1710	1980	3290	1420	2210	997	487	762
22	7860	6650	7240	4190	2510	3460	3960	2990	3570	682	550	608
23	7410	6650	7010	4610	4190	4400	4100	2470	3220	882	615	707
24	15900	6220	11100	5190	3960	4720	2470	1850	2210	742	611	694
25	15500	11300	12900	4970	2750	4070	2470	1960	2320	835	400	729
26	18800	9740	16500	4310	2630	3480	2740	2010	2360	624	376	506
27	9740	7240	8300	4530	2250	3400	2910	1780	2410	560	525	539
28	10300	7150	9470	2960	2220	2730	3020	2380	2720	586	534	561
29	10400	8290	9640	8680	2670	5880	3060	2460	2840	629	552	597
30	9650	5080	7760	4710	3210	3800	2950	1940	2760	710	570	650
31	7360	5340	6940	---	---	---	3010	1390	2460	728	373	549
MONTH	31300	1010	11600	8680	1710	4860	4500	810	3050	2830	373	745

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	373	338	351	1280	1110	1190	599	477	503	876	759	808
2	370	302	319	1500	1280	1410	492	474	484	1020	876	952
3	641	370	577	1740	1500	1580	516	479	498	1080	998	1040
4	702	641	676	1750	1130	1520	672	502	620	1130	1060	1090
5	805	686	768	1610	1060	1260	722	651	701	1090	763	996
6	943	798	902	1060	846	951	779	651	736	1010	640	721
7	1110	740	1010	969	733	879	686	565	638	753	634	678
8	1200	714	972	825	712	748	609	545	568	950	753	864
9	1160	770	995	926	825	896	858	560	739	950	611	732
10	1030	656	878	998	925	961	1050	858	937	819	610	639
11	1680	575	1030	1040	989	1000	1160	1000	1090	911	819	888
12	---	---	---	1100	1040	1070	1220	662	1030	909	774	858
13	---	---	---	1150	1090	1110	663	422	515	944	725	870
14	---	---	---	1210	1150	1180	505	412	437	725	525	596
15	---	---	---	1210	1150	1190	563	464	489	546	463	507
16	---	---	---	1180	905	1090	470	445	456	615	463	576
17	---	---	---	905	714	783	471	449	457	756	591	700
18	---	---	---	714	616	668	507	453	473	855	600	797
19	999	889	956	643	582	613	680	455	594	902	744	854
20	1050	928	1010	830	585	720	763	671	733	876	696	805
21	1190	1020	1150	888	830	872	813	656	781	696	554	617
22	1200	1020	1150	928	888	912	1080	813	945	570	450	496
23	1090	972	1040	960	876	929	1280	1080	1180	570	430	467
24	1170	1070	1130	957	875	934	1370	1260	1320	527	412	449
25	1270	1170	1230	1030	834	948	1380	577	912	500	399	422
26	1260	854	1120	927	768	834	592	579	583	506	381	415
27	901	798	840	768	548	626	675	586	609	487	405	437
28	1220	764	945	559	509	525	670	616	637	464	392	413
29	---	---	---	602	504	536	1880	630	911	407	379	390
30	---	---	---	519	498	508	1880	767	927	439	386	410
31	---	---	---	522	484	497	---	---	---	493	388	443
MONTH	---	---	---	1750	484	934	1880	412	717	1130	379	675

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	604	414	552	990	874	918	1850	1510	1670	2210	1830	1990
2	697	567	643	1050	881	974	1750	799	1090	11500	2150	6760
3	746	460	613	1070	760	915	987	726	817	16700	5290	10200
4	533	365	416	1090	800	934	1170	541	693	20200	16400	18100
5	430	357	381	1150	932	1050	1450	960	1190	20100	13000	17000
6	463	378	422	1270	1060	1190	977	609	750	13000	10300	11400
7	552	401	511	1390	862	1110	673	438	534	10300	8550	9440
8	621	443	532	1470	857	1140	527	442	481	9030	7460	8270
9	468	380	419	1380	939	1160	590	448	532	8060	6810	7750
10	403	365	387	1390	950	1210	812	523	712	22300	6390	12300
11	444	372	402	1440	862	1180	1030	696	856	24900	22300	23500
12	437	388	418	1570	913	1220	975	699	802	24800	18600	22900
13	576	413	518	1650	867	1230	1420	910	1130	19300	12800	17700
14	625	542	604	1380	865	1050	1490	750	1090	12800	6120	10400
15	637	534	589	1530	1240	1390	1490	650	853	11000	7370	10200
16	672	535	607	1590	1410	1550	1350	652	923	7670	5770	6940
17	715	568	650	1680	1460	1550	1360	734	1080	5980	5050	5600
18	633	495	568	1860	1320	1620	1270	1010	1160	5720	3560	4470
19	745	491	558	1760	1170	1500	1010	973	996	4650	2660	3660
20	805	693	751	1760	1050	1330	1060	938	997	4260	3720	4090
21	774	556	669	1480	902	1150	2620	783	1000	4290	4170	4240
22	836	609	709	1090	661	801	11500	2620	4930	4330	3980	4210
23	884	602	724	795	557	641	12700	7250	9960	3990	3750	3880
24	947	628	798	731	575	632	7450	5030	6470	4870	3700	3960
25	1030	644	847	770	477	588	5220	4420	5010	4910	3410	4100
26	1020	569	668	804	493	673	4670	3980	4430	3410	1570	2530
27	1750	804	1290	1350	804	1050	4000	2850	3520	3240	1320	2360
28	1740	876	1360	1550	1350	1490	2850	2320	2520	3250	1590	2270
29	915	814	839	1610	1290	1480	2530	1940	2300	3530	2690	3260
30	916	837	872	1790	1450	1550	2560	2180	2370	3540	3290	3460
31	---	---	---	1870	1550	1750	2470	1710	2000	---	---	---
MONTH	1750	357	644	1870	477	1160	12700	438	2030	24900	1320	8230

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	28.2	25.0	26.3	22.9	20.4	21.4	16.8	14.4	15.9	12.6	8.7	10.6
2	26.9	23.2	25.1	22.0	19.6	20.9	17.6	14.2	16.5	14.4	10.5	12.1
3	27.2	22.1	24.9	19.9	16.8	18.8	19.2	17.0	18.0	14.7	11.3	12.7
4	27.4	25.5	26.3	19.4	14.9	17.7	18.8	15.5	17.2	14.8	12.2	13.3
5	27.5	26.0	26.7	19.4	17.8	18.6	15.5	12.7	14.4	18.5	13.7	16.4
6	28.2	26.5	27.2	20.0	17.0	18.8	14.4	10.6	12.5	19.0	17.6	18.3
7	28.0	27.3	27.6	17.0	15.4	16.3	13.4	10.2	11.7	19.2	17.6	18.7
8	27.6	27.2	27.3	17.8	15.7	16.8	15.8	12.8	14.3	17.9	13.0	15.0
9	27.8	26.9	27.3	17.9	15.4	16.6	17.1	15.5	16.3	14.6	10.5	12.7
10	28.0	26.9	27.4	17.2	16.1	16.6	19.5	15.7	17.6	14.4	10.9	12.9
11	28.4	26.8	27.4	16.8	15.6	16.4	18.3	13.2	14.6	16.0	12.4	14.4
12	27.3	26.3	26.8	16.4	15.4	15.9	13.2	10.2	11.1	18.9	15.8	17.4
13	26.5	26.0	26.3	18.0	15.7	16.8	11.7	8.6	10.2	18.9	16.4	18.0
14	26.0	21.2	23.1	19.2	16.6	17.8	11.3	7.5	8.8	17.9	17.0	17.3
15	21.6	18.8	20.2	18.1	15.6	16.8	10.4	6.0	8.5	17.0	14.9	16.3
16	20.9	17.7	19.4	16.1	13.0	14.4	10.5	7.8	9.2	15.0	11.6	13.6
17	20.9	17.4	19.2	13.9	9.0	12.8	12.0	9.0	10.2	16.8	12.6	14.6
18	21.0	17.7	19.6	14.9	13.3	14.2	13.9	10.0	11.6	17.3	15.2	16.3
19	21.1	17.2	19.8	14.6	13.3	14.1	15.7	10.7	12.8	18.3	15.9	17.0
20	21.4	18.6	20.6	17.2	13.9	15.1	14.6	11.8	13.1	16.1	13.4	14.9
21	22.0	19.9	21.1	17.7	14.9	15.9	14.5	13.4	14.0	16.0	14.6	15.4
22	22.3	20.4	21.1	20.7	16.9	18.9	16.4	14.0	14.9	16.2	15.9	16.1
23	21.6	20.3	21.0	19.7	16.0	18.0	16.3	14.1	15.4	16.1	13.8	14.6
24	23.2	21.3	22.2	17.3	14.4	16.1	18.2	15.8	17.0	14.5	10.7	13.0
25	23.5	22.5	23.0	17.5	14.4	16.1	16.7	13.7	15.4	14.6	10.7	13.0
26	24.0	21.6	23.4	18.2	15.3	16.6	15.4	13.7	14.6	13.8	13.3	13.5
27	21.6	18.2	20.1	18.4	16.2	17.3	13.9	11.6	12.7	13.5	11.2	12.2
28	19.7	15.5	17.9	19.0	17.1	17.9	11.8	9.1	10.6	13.2	8.9	11.3
29	19.4	16.6	18.5	20.0	17.9	18.9	11.2	8.1	9.3	15.6	12.0	13.8
30	21.0	16.7	19.0	19.3	16.7	18.0	11.1	7.7	9.4	17.2	13.8	15.6
31	21.5	19.7	20.5	---	---	---	12.0	9.1	10.4	17.6	12.9	15.0
MONTH	28.4	15.5	23.1	22.9	9.0	17.0	19.5	6.0	13.2	19.2	8.7	14.7

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.6	13.4	13.9	19.7	15.3	17.3	21.1	18.3	20.0	24.6	22.0	23.1
2	14.5	14.1	14.3	19.0	13.7	16.2	21.9	20.5	21.2	26.3	23.2	24.6
3	16.8	12.8	14.5	17.5	13.4	15.6	22.0	20.5	21.1	26.6	23.8	25.4
4	16.1	12.6	14.4	17.1	13.7	15.7	24.7	20.2	22.6	27.6	24.4	26.2
5	14.8	11.5	13.3	17.0	16.3	16.7	23.3	18.5	21.1	27.0	25.0	26.1
6	15.0	11.4	13.4	17.5	17.0	17.2	22.0	19.1	20.9	26.5	24.8	25.7
7	---	---	---	18.6	17.0	17.7	22.9	20.9	21.8	28.1	25.5	26.2
8	14.7	11.3	13.1	20.4	16.8	18.2	22.6	21.0	21.6	29.4	25.7	27.7
9	14.6	13.3	13.8	16.8	12.7	15.0	25.9	19.8	22.4	28.9	25.6	26.3
10	16.2	13.1	14.7	16.7	11.9	14.5	24.7	18.8	21.6	30.1	25.6	26.9
11	18.4	14.8	16.2	15.0	9.7	12.7	22.9	18.4	20.8	27.7	24.5	25.9
12	---	---	---	14.0	10.5	12.7	22.9	18.9	21.1	28.3	25.4	26.5
13	---	---	---	16.4	12.3	14.2	22.0	20.7	21.5	28.4	26.6	27.5
14	---	---	---	17.4	14.3	15.7	22.3	21.1	21.6	28.7	26.3	27.3
15	---	---	---	18.6	15.2	16.9	22.5	21.8	22.1	27.5	26.0	26.6
16	---	---	---	18.9	17.2	18.0	22.5	21.7	22.0	28.2	26.0	26.7
17	---	---	---	18.5	17.4	17.9	22.6	22.0	22.3	28.4	26.0	26.9
18	---	---	---	17.7	17.4	17.5	22.7	21.8	22.2	28.0	26.1	27.2
19	17.0	13.9	14.6	18.0	17.0	17.4	22.3	19.0	20.9	28.4	26.0	27.2
20	15.5	12.2	14.0	20.0	14.5	17.6	21.9	18.2	20.3	28.2	27.1	27.7
21	17.6	13.8	15.9	18.7	14.1	16.7	22.4	18.8	20.9	27.9	26.9	27.4
22	17.0	15.6	16.5	18.6	14.7	17.0	24.1	18.5	21.1	28.1	26.7	27.2
23	17.9	13.0	15.7	20.2	15.7	18.1	23.4	18.2	20.8	28.6	26.7	27.4
24	19.4	14.8	17.2	21.2	17.3	19.2	23.1	18.7	21.0	28.6	26.9	27.6
25	21.0	16.8	18.9	22.9	19.0	20.6	22.8	20.9	21.8	28.6	27.0	27.9
26	20.3	17.6	18.9	22.2	19.7	20.9	22.5	20.9	21.8	28.8	27.2	28.0
27	18.0	16.6	17.3	21.6	19.8	20.8	23.7	21.5	22.4	28.7	27.6	28.2
28	18.7	16.5	17.5	22.4	20.1	21.0	23.5	21.3	22.4	29.0	27.8	28.5
29	---	---	---	22.0	20.7	21.4	21.3	20.8	21.0	28.9	28.2	28.6
30	---	---	---	22.5	21.1	21.8	24.6	20.7	21.9	29.4	28.6	29.0
31	---	---	---	22.4	20.6	21.4	---	---	---	30.3	29.3	29.9
MONTH	---	---	---	22.9	9.7	17.5	25.9	18.2	21.5	30.3	22.0	27.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.3	29.3	30.2	33.8	28.1	30.4	32.7	30.6	31.3	31.0	29.5	30.1
2	31.3	28.8	30.3	30.9	28.3	29.4	33.9	30.6	32.0	30.1	29.3	29.7
3	31.5	28.7	30.4	31.4	27.6	29.6	33.3	30.8	31.9	29.4	28.5	29.0
4	31.8	29.8	30.8	31.6	29.3	30.3	32.0	30.7	31.4	29.0	27.8	28.5
5	31.6	30.0	30.8	31.8	29.3	30.3	32.9	30.5	31.7	29.7	28.3	29.1
6	31.2	29.0	30.0	32.6	29.1	30.2	32.2	30.4	31.3	29.5	27.9	28.7
7	29.0	25.9	27.6	32.3	28.3	30.3	32.4	30.0	31.3	29.1	27.6	28.5
8	---	---	---	33.1	29.7	31.3	32.5	30.2	31.4	28.9	28.4	28.7
9	30.2	28.6	29.4	32.7	29.3	31.1	32.8	29.7	31.5	28.7	27.7	28.2
10	31.6	29.1	30.3	32.6	29.0	30.9	32.9	28.3	30.8	---	---	---
11	31.7	29.9	30.7	32.8	28.9	31.0	33.0	28.5	31.1	25.6	24.9	25.1
12	31.4	29.2	30.5	33.0	29.2	31.3	32.3	30.4	31.2	26.0	24.9	25.3
13	32.5	29.3	30.7	33.5	30.3	31.9	32.0	29.1	30.4	26.5	25.8	26.1
14	31.9	28.8	30.4	32.4	28.7	30.7	31.0	28.4	30.0	28.2	25.7	26.8
15	31.6	29.5	30.7	31.2	27.9	29.5	31.2	28.5	30.2	28.6	26.9	27.7
16	32.3	29.5	31.1	32.5	28.9	30.3	31.9	27.2	29.6	28.4	27.0	27.8
17	32.4	30.3	31.4	30.5	28.1	29.4	32.0	27.1	29.2	28.2	26.9	27.5
18	32.7	30.8	31.7	31.8	28.1	30.0	31.1	25.9	27.6	---	---	---
19	33.8	31.1	32.2	32.7	29.1	30.7	30.6	25.3	27.2	---	---	---
20	33.0	30.8	31.8	32.2	30.1	31.0	31.4	27.0	29.5	29.4	27.4	28.2
21	32.7	29.1	31.1	31.9	29.4	30.7	30.5	28.5	29.8	29.1	27.9	28.6
22	32.0	28.0	29.8	32.1	30.0	31.0	30.3	29.0	29.9	29.1	27.5	28.3
23	33.0	27.7	30.3	32.0	30.0	30.9	31.7	29.2	30.3	30.0	26.7	28.4
24	32.9	29.0	31.1	31.4	29.4	30.4	31.8	29.3	30.7	29.9	27.0	28.5
25	31.4	29.4	30.0	32.8	29.0	31.0	32.5	30.4	31.2	29.5	27.2	28.4
26	29.8	29.0	29.5	31.7	29.2	30.2	32.5	29.7	30.9	30.1	28.4	29.0
27	29.8	28.7	29.4	30.8	27.7	29.0	31.7	28.5	29.9	29.1	26.8	28.2
28	30.3	28.6	29.5	30.6	26.9	28.7	33.2	28.6	30.7	28.0	26.2	27.3
29	32.6	28.3	30.1	32.0	27.9	29.9	33.0	30.9	31.4	27.9	25.1	26.5
30	33.7	28.5	30.8	32.1	29.8	30.8	32.2	29.9	31.0	29.5	26.1	27.4
31	---	---	---	32.4	30.3	31.1	32.4	29.9	31.2	---	---	---
MONTH	33.8	25.9	30.4	33.8	26.9	30.4	33.9	25.3	30.6	31.0	24.9	28.0

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	27.5	24.6	25.8	22.0	20.8	21.2	16.6	14.4	15.7	12.6	8.8	10.7
2	26.6	22.9	24.8	22.0	19.6	21.2	17.6	13.9	16.2	14.4	10.5	12.1
3	26.3	21.6	24.2	20.6	16.5	18.7	19.3	17.1	17.9	14.7	11.3	12.6
4	26.4	24.9	25.6	18.6	14.6	17.1	18.8	15.3	17.2	14.8	12.2	13.2
5	26.6	25.7	26.1	18.4	16.1	17.5	15.5	12.3	14.2	18.5	13.6	16.5
6	27.9	26.3	26.7	19.7	16.8	18.3	13.2	10.4	12.0	19.0	17.6	18.3
7	27.9	27.1	27.5	16.8	15.0	15.9	12.4	9.9	10.8	19.1	17.6	18.7
8	27.8	27.1	27.3	17.1	14.6	15.8	16.2	11.8	13.5	17.8	12.9	14.9
9	28.3	26.6	27.3	17.4	15.1	16.2	18.5	15.1	16.5	14.7	10.4	12.7
10	28.3	26.8	27.6	17.0	15.7	16.2	19.4	15.9	17.6	14.4	10.8	12.8
11	28.2	27.0	27.7	16.3	15.4	15.9	18.1	12.4	14.5	15.9	12.4	14.4
12	27.9	26.4	27.1	16.1	15.4	15.8	12.4	9.8	10.7	18.8	15.8	17.3
13	27.0	25.7	26.3	17.7	15.6	16.6	11.2	8.5	9.8	18.9	17.0	18.1
14	25.7	21.2	23.0	19.2	16.5	17.8	11.2	7.4	8.5	17.8	16.9	17.3
15	21.6	18.5	20.2	18.0	15.5	16.7	9.4	6.0	8.1	16.9	14.9	16.3
16	20.9	17.6	19.4	15.9	13.0	14.2	10.5	7.7	9.3	15.0	11.5	13.5
17	20.9	17.4	19.2	13.7	8.7	12.2	12.1	9.3	10.4	16.8	12.5	14.6
18	20.9	17.7	19.2	14.2	12.6	13.6	14.0	10.8	12.1	17.3	15.2	16.2
19	20.8	17.1	19.4	14.6	13.0	13.9	15.9	11.9	13.7	18.2	15.4	16.9
20	21.4	18.3	20.5	16.7	13.3	14.8	14.8	11.9	13.7	16.1	13.4	14.8
21	22.0	19.9	21.0	19.2	14.9	16.7	16.3	14.2	14.8	16.1	14.6	15.4
22	22.5	20.1	21.0	20.5	17.5	18.9	17.1	14.5	15.7	16.4	15.9	16.2
23	21.8	19.8	20.6	19.6	16.5	18.0	16.4	15.8	16.1	16.3	13.7	14.5
24	24.0	21.5	22.3	17.6	13.6	15.9	18.2	16.4	17.1	14.5	10.6	12.9
25	24.0	23.0	23.4	17.6	14.4	16.2	16.4	13.6	15.3	14.4	10.4	12.9
26	24.0	21.5	23.6	17.9	15.1	16.6	15.9	13.3	14.8	13.8	13.2	13.5
27	21.6	17.9	20.1	18.3	15.9	17.3	13.9	11.5	12.6	13.5	11.0	12.0
28	17.9	13.9	16.2	19.1	17.1	18.1	11.7	9.1	10.3	13.2	8.7	11.3
29	18.4	16.0	17.1	19.8	18.7	19.3	10.9	8.0	9.2	15.6	12.0	13.7
30	20.4	16.4	18.5	19.5	16.5	18.1	11.2	7.7	9.4	17.0	13.7	15.5
31	20.8	19.6	20.0	---	---	---	12.1	9.0	10.6	17.3	12.9	14.8
MONTH	28.3	13.9	22.9	22.0	8.7	16.8	19.4	6.0	13.2	19.1	8.7	14.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.6	13.4	13.9	19.6	15.3	17.2	22.3	17.8	20.1	24.5	22.0	23.1
2	14.5	13.7	14.3	18.4	13.7	16.0	23.1	21.5	22.2	26.2	23.2	24.5
3	16.7	12.7	14.3	17.6	13.3	15.4	23.1	22.2	22.6	26.7	23.8	25.4
4	15.6	12.5	14.2	17.3	13.6	15.5	24.5	20.3	22.7	27.5	24.4	26.2
5	14.9	11.5	13.3	17.1	16.3	16.6	23.0	18.9	21.3	27.0	24.9	26.1
6	14.9	11.4	13.3	17.8	16.9	17.3	22.0	19.2	20.9	26.7	24.9	25.7
7	---	---	---	19.2	17.0	18.0	23.0	21.0	21.7	28.9	26.0	26.8
8	15.0	11.2	13.2	20.6	16.4	18.2	23.4	22.1	22.8	28.9	26.8	28.0
9	14.9	13.4	14.1	16.4	12.7	14.9	25.8	19.6	22.5	28.6	26.2	27.2
10	17.4	13.8	15.4	16.7	11.8	14.4	24.6	19.0	21.6	29.7	25.5	27.0
11	17.8	14.7	15.9	15.2	9.4	12.6	22.9	18.6	20.8	27.7	24.5	25.7
12	---	---	---	14.1	10.2	12.6	22.7	18.7	20.7	28.3	25.3	26.4
13	---	---	---	16.4	12.2	14.2	22.1	20.9	21.6	29.0	26.4	27.4
14	---	---	---	17.3	14.2	15.6	23.6	21.4	22.3	29.1	26.9	27.6
15	---	---	---	19.0	15.1	16.9	23.5	22.3	22.8	28.0	26.2	26.9
16	---	---	---	19.7	17.3	18.3	23.3	22.0	22.4	28.4	26.1	27.0
17	---	---	---	19.6	17.7	18.6	22.8	22.4	22.6	28.4	26.0	27.1
18	---	---	---	18.8	17.8	18.3	22.8	21.8	22.4	27.9	26.0	27.3
19	17.0	13.9	14.6	18.5	17.8	18.1	21.9	19.0	20.7	28.2	25.9	27.1
20	15.5	12.1	14.0	19.9	14.4	17.6	21.8	18.2	20.1	28.2	26.9	27.6
21	17.4	13.8	15.7	18.6	14.0	16.6	21.9	18.7	20.6	28.3	27.1	27.7
22	16.9	15.4	16.4	18.5	14.6	16.9	24.0	18.5	21.0	28.6	26.9	27.6
23	17.8	13.0	15.6	20.1	15.7	18.1	23.0	18.2	20.4	29.4	26.9	27.9
24	19.3	14.7	17.1	20.9	17.3	19.2	22.2	18.5	20.4	29.3	27.1	28.2
25	20.7	16.8	18.8	22.8	18.9	20.7	22.8	20.5	21.7	29.7	27.2	28.5
26	20.3	17.7	19.2	23.3	19.9	21.4	22.6	20.8	21.8	29.6	27.5	28.6
27	18.6	15.6	17.1	23.9	20.0	21.9	24.7	21.5	22.8	29.5	27.8	28.5
28	18.5	16.1	17.3	25.1	21.0	22.8	24.6	21.3	22.9	29.7	28.2	29.0
29	---	---	---	24.7	21.2	22.6	21.3	20.8	21.0	29.8	28.5	29.1
30	---	---	---	24.8	21.9	23.4	24.5	20.7	21.7	30.2	28.1	29.2
31	---	---	---	23.7	20.6	21.9	---	---	---	30.9	29.3	30.2
MONTH	---	---	---	25.1	9.4	17.8	25.8	17.8	21.6	30.9	22.0	27.2

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.5	29.1	30.3	33.0	28.0	30.0	31.4	29.9	30.3	29.9	28.8	29.5
2	31.5	28.7	30.1	30.5	28.2	28.9	32.2	30.0	31.1	29.7	28.5	29.3
3	31.4	28.5	30.1	29.9	27.6	28.5	31.5	30.3	30.8	29.9	28.5	29.2
4	32.0	29.9	30.8	30.6	29.2	29.7	31.4	30.4	31.0	29.7	28.3	29.0
5	32.0	29.3	30.8	31.1	28.9	29.6	32.0	30.4	31.2	29.6	28.8	29.2
6	31.9	28.2	29.5	33.1	28.9	29.7	31.5	30.1	30.8	29.3	27.7	28.2
7	28.5	25.1	26.4	31.0	28.0	29.2	32.0	29.6	30.9	28.3	27.2	27.7
8	29.7	25.5	27.5	31.2	29.4	30.2	31.6	29.8	30.8	28.4	27.2	27.7
9	30.9	28.3	29.4	30.9	29.0	29.9	31.4	29.4	30.3	28.3	27.5	27.9
10	32.2	29.0	30.5	31.5	28.6	29.6	30.8	27.8	28.9	27.6	25.4	27.0
11	32.1	29.7	30.9	31.9	28.8	30.1	31.0	27.9	29.2	25.4	24.9	25.1
12	32.1	28.9	30.6	31.9	29.0	30.5	30.9	29.3	29.9	25.9	24.9	25.3
13	32.3	29.2	30.4	32.4	30.1	31.1	29.8	28.4	29.4	26.5	25.8	26.0
14	31.8	28.8	30.3	32.0	28.6	30.3	30.0	28.0	29.2	27.8	25.7	26.7
15	31.5	29.0	30.4	30.1	27.8	28.4	30.4	28.0	29.5	28.6	27.2	27.6
16	31.4	29.1	30.4	32.0	28.4	29.7	30.7	27.3	28.9	28.4	27.0	27.6
17	31.6	29.7	30.8	30.0	27.8	28.6	29.6	27.0	28.2	28.1	26.9	27.5
18	32.6	30.6	31.4	30.1	27.5	28.2	27.6	26.0	26.6	28.5	26.6	27.4
19	33.2	31.1	31.9	31.0	28.7	29.4	27.8	25.3	26.0	28.0	27.4	27.7
20	32.6	30.5	31.2	30.4	29.7	30.0	28.0	26.7	27.3	29.1	27.4	28.0
21	31.3	28.9	30.2	30.3	29.0	29.6	29.7	27.6	28.2	29.1	27.9	28.5
22	30.3	27.6	28.5	30.6	29.6	30.0	30.2	29.2	29.7	29.0	27.5	28.2
23	31.5	27.5	29.0	31.0	29.6	30.3	31.0	29.5	30.1	29.9	26.7	28.3
24	31.6	28.6	30.0	30.7	29.0	29.7	31.6	29.8	30.6	29.2	27.0	28.3
25	31.1	29.0	29.5	32.2	28.6	30.4	31.5	30.1	30.8	29.4	27.3	28.5
26	29.5	28.1	28.9	31.5	28.8	29.4	32.0	29.7	31.1	29.8	28.3	28.9
27	29.7	28.7	29.2	28.9	27.4	28.0	31.5	28.3	29.8	29.0	26.7	28.1
28	30.6	28.4	29.4	28.6	26.6	27.3	32.8	28.6	30.5	27.7	26.1	27.1
29	32.4	28.3	29.9	30.3	27.4	28.4	32.8	30.5	31.1	27.9	25.1	26.5
30	32.3	28.4	30.3	31.2	29.1	29.6	31.0	29.6	30.5	28.5	25.6	26.7
31	---	---	---	31.3	29.5	29.9	30.1	29.5	29.8	---	---	---
MONTH	33.2	25.1	30.0	33.1	26.6	29.5	32.8	25.3	29.8	29.9	24.9	27.8

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA

LOCATION.--Lat 29°23' 06", long 90°43'47", T. 19 S, R. 17 E, Terrebonne Parish, Hydrologic Unit 08090302, on a pontoon bridge 2 mi west of Dulac.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--May 1992 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is sea level. Prior to Oct. 1, 1995, datum of gage was 10.00 ft below sea level.

REMARKS.--Stage affected by wind and tide. Satellite telemetry with wind speed and direction at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.51 ft, Sept. 12, 1998; minimum, -1.42 ft, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.51 ft, Sept. 12; minimum, -1.19 ft, Dec. 30, 31.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.47	-.19	.16	1.04	.43	.78	.82	-.19	.37	-.03	-.99	-.48
2	.48	.12	.34	.89	.01	.42	.84	-.22	.43	.18	-.58	-.14
3	.66	.05	.39	.67	-.30	.13	.93	-.12	.49	.27	-.13	.11
4	.89	.24	.55	.45	-.69	-.13	.76	-.26	.23	.40	.10	.27
5	1.06	.36	.74	.58	-.30	.13	.29	-.50	-.08	.95	.40	.67
6	1.08	.50	.85	.41	-.52	-.09	.10	-.66	-.27	1.26	.36	.78
7	1.41	.92	1.14	-.09	-.85	-.41	.07	-.36	-.19	1.31	.81	1.05
8	1.77	1.33	1.55	.03	-.64	-.24	.57	.02	.27	.88	.22	.47
9	1.88	1.27	1.64	.06	-.57	-.11	.88	.08	.40	.47	-.27	.13
10	1.92	1.39	1.69	.23	.06	.15	.88	.05	.36	.53	-.28	.09
11	1.92	1.59	1.74	.43	-.08	.14	.20	-.60	-.20	.64	-.24	.15
12	2.29	1.79	2.03	.87	.28	.50	.05	-1.02	-.51	.83	.10	.42
13	2.26	1.70	2.09	.87	.27	.65	.10	-.97	-.38	.97	.03	.43
14	1.73	1.00	1.25	.87	-.08	.43	.10	-1.17	-.66	1.22	.57	.90
15	1.31	.55	.89	.70	-.30	.24	.03	-1.15	-.55	1.23	.36	.79
16	1.31	.43	.99	.29	-.79	-.26	.04	-1.06	-.50	.36	-.04	.13
17	1.27	.39	.79	.37	-.56	-.10	.06	-.77	-.35	.26	-.15	.00
18	1.37	.40	.86	.50	-.28	.15	.12	-.75	-.28	.35	-.14	.03
19	1.20	.37	.84	.63	-.38	.11	.14	-.67	-.23	.35	-.28	.02
20	1.16	.27	.72	.64	.12	.39	.15	-.46	-.15	.65	-.06	.28
21	.96	.04	.55	.68	.41	.56	.56	-.04	.29	.94	.17	.49
22	.67	-.02	.37	.81	-.02	.36	.50	.00	.24	1.17	.77	.97
23	.83	.26	.51	.38	-.08	.16	.68	.16	.35	1.04	.26	.58
24	1.20	.49	.88	.39	.17	.27	.79	.28	.50	.76	-.04	.36
25	1.04	.66	.89	.55	-.19	.14	.68	-.14	.26	.91	.06	.43
26	1.27	.65	1.02	.59	-.10	.27	.61	-.07	.28	1.11	.31	.69
27	.72	.31	.43	.89	-.04	.36	.24	-.81	-.31	1.02	-.08	.36
28	.71	.39	.55	1.21	.22	.60	.30	-.57	-.15	.69	.01	.32
29	.77	.30	.49	1.25	.62	.90	-.03	-1.03	-.64	.79	.04	.42
30	.95	.03	.38	1.14	.11	.61	.03	-1.19	-.69	.68	-.01	.31
31	.98	.36	.71	---	---	---	.03	-1.19	-.59	.85	.31	.55
MONTH	2.29	-.19	.90	1.25	-.85	.24	.93	-1.19	-.07	1.31	-.99	.37

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.21	.83	.94	.43	.04	.24	1.42	.87	1.17	1.33	.84	1.09
2	1.25	.49	.97	.28	.02	.14	1.54	.89	1.25	1.10	.73	.94
3	.49	.25	.35	.34	-.36	.02	1.32	.90	1.09	1.02	.57	.79
4	.63	-.04	.29	.84	-.19	.36	.91	.41	.71	.87	.39	.65
5	.50	-.13	.20	1.08	.19	.65	1.03	.22	.56	1.13	.54	.85
6	.33	-.35	.01	1.58	.36	.89	1.18	.44	.82	1.32	1.02	1.15
7	.55	-.34	.07	2.01	1.13	1.49	1.18	.80	.98	1.29	.89	1.15
8	.53	-.21	.19	2.06	.95	1.42	1.15	.78	.98	1.11	.83	.97
9	.66	-.20	.19	.95	.27	.48	.98	.26	.56	1.60	.91	1.40
10	1.35	.05	.52	.36	-.30	.04	.26	-.12	.05	1.27	.46	.98
11	1.26	.30	.60	.04	-.39	-.15	.52	-.16	.19	1.04	.36	.74
12	.51	-.10	.20	.11	-.41	-.14	.86	.07	.51	1.27	.52	.94
13	.59	.04	.32	.28	.00	.14	1.36	.67	1.03	1.42	.66	1.06
14	.76	-.06	.34	.20	-.09	.10	1.21	.59	.92	1.46	.74	1.12
15	1.69	.76	1.23	.49	.18	.36	1.45	.59	1.09	1.43	.74	1.06
16	1.50	1.04	1.27	1.05	.37	.80	1.77	1.00	1.39	1.07	.59	.80
17	1.42	.92	1.21	1.45	.86	1.19	1.39	.89	1.16	1.07	.33	.69
18	.92	.44	.62	1.46	.87	1.20	1.49	.80	1.09	.99	.31	.65
19	.74	.09	.40	1.46	.95	1.21	.86	.42	.66	1.10	.55	.81
20	.58	.04	.28	1.07	.29	.64	1.10	.24	.69	1.02	.58	.80
21	.80	-.11	.31	.58	-.09	.26	.88	.41	.62	1.00	.69	.83
22	1.11	.56	.85	.85	-.04	.40	.46	.00	.12	1.03	.63	.85
23	.56	-.11	.20	.90	.10	.50	.25	-.09	.11	1.32	.63	1.01
24	.57	-.21	.15	.89	.24	.54	.45	.03	.21	1.31	.55	.99
25	.99	.07	.41	.89	.43	.65	.94	.15	.66	1.56	.55	1.13
26	1.23	.55	.95	.98	.65	.80	1.27	.51	.98	1.59	.69	1.14
27	1.23	.62	.89	1.17	.93	1.06	1.30	.60	1.04	1.46	.66	1.10
28	.98	.43	.74	1.02	.78	.89	1.86	.76	1.41	1.54	.82	1.25
29	---	---	---	1.27	.82	1.12	2.12	1.64	1.95	1.46	.96	1.23
30	---	---	---	1.53	.82	1.26	1.64	1.12	1.41	1.38	.88	1.14
31	---	---	---	1.70	1.09	1.46	---	---	---	1.24	.79	1.00
MONTH	1.69	-.35	.52	2.06	-.41	.65	2.12	-.16	.85	1.60	.31	.98
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	.98	.68	.83	.71	.08	.42	.76	-.18	.35	2.27	1.00	1.92
2	1.03	.64	.81	1.01	.24	.68	.72	.09	.46	2.79	1.22	2.15
3	1.01	.64	.81	1.12	.31	.71	1.33	.53	1.00	3.04	1.47	2.49
4	1.73	.95	1.38	1.11	.08	.60	1.48	.41	1.02	2.86	1.54	2.37
5	1.52	.98	1.30	.78	-.23	.30	1.14	.12	.65	2.39	1.28	1.89
6	1.40	.70	1.07	.41	-.48	-.02	.93	.12	.55	2.07	1.17	1.58
7	1.17	.66	.89	.67	-.48	.16	1.17	.14	.71	2.34	1.26	1.91
8	1.54	.70	1.21	.70	-.25	.20	1.26	.33	.84	2.60	1.95	2.28
9	1.83	1.06	1.47	.58	-.40	.08	1.15	.46	.83	2.83	1.91	2.25
10	1.67	.84	1.30	.24	-.44	-.09	.79	.41	.64	4.04	2.83	3.37
11	1.70	.84	1.33	.15	-.46	-.17	.86	.14	.65	4.98	4.04	4.63
12	1.58	.91	1.26	.78	-.52	.31	.97	.46	.68	5.51	3.99	4.88
13	1.39	.80	1.12	.95	.41	.72	.86	.31	.60	4.61	3.45	4.17
14	1.28	.69	1.05	.80	.39	.56	1.01	.31	.72	4.38	3.08	3.81
15	1.36	1.06	1.24	.76	.36	.51	1.37	.77	1.06	3.74	2.53	3.25
16	1.71	1.08	1.46	.55	-.04	.28	1.55	.55	1.08	3.25	2.20	2.83
17	1.35	.83	1.11	.32	-.23	.06	1.43	.53	1.02	3.32	2.22	2.79
18	1.49	.85	1.17	.54	-.44	.09	1.29	.53	.94	3.26	2.23	2.76
19	1.50	.61	1.09	.55	-.48	.07	1.35	.58	1.03	3.43	2.40	3.02
20	1.30	.36	.88	.53	-.46	.04	1.43	.63	1.21	3.00	2.21	2.68
21	1.40	.44	.89	.54	-.43	.15	2.03	1.12	1.64	2.29	1.61	2.04
22	1.30	.34	.86	.72	-.13	.27	1.98	1.52	1.77	1.61	1.09	1.36
23	1.12	.25	.69	.81	-.18	.38	1.64	1.28	1.51	1.46	.73	1.07
24	1.01	.18	.64	.85	-.03	.47	1.50	1.07	1.32	1.59	.89	1.26
25	1.46	.22	.99	.85	.22	.55	1.53	1.05	1.25	1.74	1.16	1.50
26	2.49	1.15	1.91	.59	.11	.40	1.45	.84	1.16	2.07	1.00	1.60
27	2.35	1.66	2.04	.68	.11	.36	1.19	.48	.82	2.17	.18	1.23
28	2.09	1.12	1.53	.64	.17	.40	.87	.21	.58	2.10	.88	1.55
29	1.16	.83	1.01	.59	.14	.37	1.36	.24	.86	1.10	-.28	.48
30	.89	.19	.64	.69	-.14	.33	1.49	.22	.97	1.41	.31	1.02
31	---	---	---	.69	-.02	.34	1.86	.75	1.33	---	---	---
MONTH	2.49	.18	1.13	1.12	-.52	.31	2.03	-.18	.94	5.51	-.28	2.34

MISSISSIPPI RIVER DELTA
07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 38,600 microsiemens, Nov. 18, 1996; minimum daily, 122 microsiemens, Feb. 18, 1996.

WATER TEMPERATURES: Maximum daily, 33.3°C, July 27, 1995; minimum daily, 6.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum daily, 34,100 microsiemens, Oct. 12; minimum daily, 236 microsiemens, Feb. 10.

WATER TEMPERATURES: Maximum daily, 32.7°C, Aug. 30; minimum daily, 8.9°C, Dec. 16.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1240	768	1030	29500	15400	20800	3510	837	1660	656	568	607
2	6640	713	1940	16800	6670	10400	3300	805	1440	1370	572	859
3	8620	1530	4570	7650	3450	5460	15300	1270	5090	3130	693	2240
4	13400	4230	7320	4770	1760	2740	1830	952	1300	4990	2840	4080
5	22100	7560	13800	14700	3890	7910	1340	764	996	5650	2600	4210
6	22500	11400	16700	13800	2040	5720	1230	714	931	2600	1420	1800
7	30800	17200	28100	2440	1200	1620	1290	708	861	1720	850	1050
8	32700	30100	31800	4140	1200	2740	23300	964	14200	1290	850	1070
9	32000	30700	31400	8750	2580	5200	24700	10400	16100	946	420	759
10	32500	30000	31500	11900	3570	8230	24700	8440	14800	961	418	638
11	33200	29400	31900	17000	4260	8170	8440	1050	3460	789	392	559
12	34100	29800	32700	22200	11200	17100	1800	771	1040	815	385	539
13	33900	30700	32400	30400	11800	18400	2810	886	1510	909	343	473
14	32100	27300	29900	15100	5360	7940	2730	869	1440	396	337	366
15	27300	19600	22300	6500	1030	3190	1440	874	1150	816	345	429
16	20100	15900	17900	1740	854	1180	2710	730	1440	856	338	690
17	20400	14000	16300	3070	1010	1780	1900	766	1210	934	338	691
18	23700	14600	17800	15600	1940	6720	3020	745	1210	935	342	683
19	19800	14100	15700	18600	3510	8870	1340	727	919	1090	328	698
20	18700	13600	15100	17900	3900	8780	2440	607	1020	442	325	343
21	15400	10900	13300	17700	8200	13000	23300	1030	15900	356	309	323
22	13700	7770	10800	13400	2770	7510	11900	2010	4010	331	277	296
23	26000	7810	15600	2770	801	1480	7780	2860	3960	371	286	315
24	32400	22700	29000	12900	888	5210	9150	2480	3950	541	300	403
25	28300	24100	27000	15100	3120	6220	2570	932	1890	501	298	371
26	27800	22300	26300	21400	4540	9150	938	626	758	407	279	308
27	22300	9800	14600	19300	3850	7370	1100	612	876	573	290	398
28	15700	8210	10300	29100	13900	20400	1010	594	766	634	305	443
29	19200	7080	10700	32300	17400	25200	1140	771	959	751	292	434
30	13700	5490	7120	19000	3510	8130	921	673	796	779	260	453
31	27000	13700	18900	---	---	---	922	612	796	302	269	284
MONTH	34100	713	18800	32300	801	8550	24700	594	3430	5650	260	865

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	716	269	305	1250	500	956	1950	347	809	1840	683	1240
2	1060	487	800	1030	579	768	599	347	441	1240	996	1120
3	939	327	722	771	335	523	449	371	400	1380	1010	1160
4	628	286	416	741	330	463	607	393	468	1480	497	1040
5	501	273	379	412	317	347	885	402	596	959	474	666
6	506	267	415	338	289	312	561	417	454	474	441	453
7	491	261	385	16700	305	2140	442	345	380	816	424	506
8	438	257	320	18100	1200	7830	392	338	363	780	564	645
9	378	243	280	1200	801	910	585	391	458	656	482	520
10	498	236	276	956	814	881	1080	585	788	981	478	627
11	1510	303	566	853	376	653	1080	421	585	1090	445	708
12	525	260	406	695	351	522	565	392	456	927	401	533
13	440	264	308	525	328	389	3300	382	1220	559	384	437
14	701	254	362	643	296	499	1380	428	621	414	385	396
15	27300	257	11900	296	274	282	660	431	500	469	412	430
16	27300	7230	13300	1470	274	555	9520	480	2690	664	432	516
17	7360	2150	3440	6640	722	2830	7490	582	1710	740	461	573
18	2220	620	1220	3000	688	1420	772	483	607	806	469	577
19	1140	341	757	715	361	480	856	480	686	606	470	505
20	1090	343	727	895	383	755	741	453	568	638	471	509
21	856	324	513	938	354	647	642	440	512	769	487	596
22	817	305	398	642	323	470	805	642	758	552	481	509
23	1010	580	818	551	322	425	767	543	650	512	455	475
24	991	376	681	579	249	361	716	431	566	507	444	465
25	669	367	476	260	243	248	530	421	442	543	417	471
26	453	326	352	257	243	252	3290	417	937	517	412	454
27	451	285	346	728	255	356	1980	440	763	479	390	421
28	500	289	339	304	273	287	6990	567	1910	428	377	396
29	---	---	---	319	304	314	23500	6990	20500	393	368	379
30	---	---	---	3060	314	1040	13600	1840	6290	483	365	397
31	---	---	---	10700	425	2270	---	---	---	499	363	422
MONTH	27300	236	1470	18100	243	974	23500	338	1600	1840	363	585

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	562	405	479	1580	809	1120	503	375	425	25400	4550	16000
2	665	392	571	1240	416	577	484	369	411	29500	24000	27000
3	563	359	432	834	398	489	20500	375	7450	28600	23900	26100
4	441	362	376	854	377	524	21700	5460	13400	25600	23400	24200
5	510	352	380	854	392	537	11600	4510	8150	24700	22000	23400
6	510	351	386	823	451	608	8590	1480	3650	22600	11100	16100
7	426	367	379	900	462	582	13300	806	4300	19600	7720	11200
8	555	373	410	583	464	510	7760	1330	3650	24600	14700	20400
9	3440	371	929	580	425	497	3310	723	1150	20200	14200	16700
10	485	351	392	558	461	506	788	552	646	30900	20100	26900
11	490	340	390	570	428	512	725	544	596	28900	24700	27400
12	506	354	427	569	420	493	889	546	631	27200	20500	25100
13	637	460	537	520	407	448	876	536	679	22800	11500	18200
14	624	446	502	442	399	424	741	514	584	11500	5620	8020
15	513	441	475	465	407	433	724	543	634	5650	4030	4780
16	504	402	448	553	465	509	1920	532	803	5630	4080	4620
17	449	378	400	552	417	487	1550	551	717	5710	3780	4510
18	540	388	429	521	413	440	720	469	582	4500	3230	3950
19	540	418	466	525	417	446	2230	491	758	12800	3070	4920
20	531	391	444	520	430	457	12700	503	4020	4900	2400	3680
21	544	407	442	468	429	442	29100	4370	15400	2400	1250	1640
22	532	412	445	433	420	425	29100	19200	24800	2670	1500	2050
23	631	412	466	449	426	433	27500	23700	25800	2900	2020	2600
24	561	393	451	465	431	444	23700	11100	16400	2130	1490	1840
25	9670	400	2320	455	434	441	11100	5930	8090	1520	1460	1490
26	17200	2300	9920	455	434	439	5930	2840	4240	11000	1380	5060
27	16400	12000	13800	459	431	440	3400	1170	2180	6410	1400	3540
28	13700	1380	6410	477	433	445	1630	792	1140	2910	1210	2200
29	1390	480	837	546	442	488	3390	984	2020	2510	1660	1840
30	2290	810	1210	517	405	455	5200	1090	2210	2710	1690	2220
31	---	---	---	473	386	423	14700	1040	7070	---	---	---
MONTH	17200	340	1520	1580	377	499	29100	369	5240	30900	1210	11300

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	29.0	27.4	28.0	21.7	19.1	20.4	17.9	17.2	17.5	11.1	9.9	10.6
2	28.1	26.9	27.4	20.9	20.0	20.4	17.9	17.0	17.5	12.2	10.6	11.4
3	28.0	26.0	27.1	20.2	19.2	19.7	18.3	17.3	17.8	12.7	11.7	12.2
4	27.9	26.0	27.0	20.1	19.1	19.5	17.8	16.3	17.2	13.5	12.4	12.9
5	28.3	25.9	27.0	19.3	18.1	18.8	16.4	15.6	16.1	14.6	13.4	14.0
6	28.3	26.4	27.3	19.8	18.5	19.1	15.9	14.8	15.4	15.5	13.9	14.8
7	27.8	26.8	27.3	18.5	17.5	18.0	15.1	14.2	14.6	17.0	15.2	16.0
8	27.3	26.4	26.8	18.3	16.6	17.3	14.4	12.6	13.4	16.7	14.3	15.6
9	27.6	26.6	27.0	17.9	16.5	17.1	16.1	12.8	14.7	14.3	13.4	13.9
10	27.3	26.8	27.0	17.1	16.5	16.8	16.6	14.6	15.6	14.1	13.4	13.7
11	26.9	26.1	26.6	17.0	16.0	16.6	15.0	13.7	14.5	14.6	13.3	13.9
12	26.4	25.6	26.0	16.3	15.6	15.9	14.0	12.3	13.3	15.9	14.1	14.9
13	26.4	25.6	26.1	16.7	15.5	16.1	12.3	11.4	11.9	16.3	15.2	15.5
14	25.6	22.2	23.9	17.3	16.3	16.8	11.4	10.0	10.8	15.6	15.4	15.4
15	24.1	22.1	23.6	17.0	16.2	16.6	10.2	9.3	9.8	15.8	15.1	15.5
16	23.2	21.5	22.6	16.4	15.1	15.8	10.3	8.9	9.8	15.1	13.9	14.4
17	22.3	20.6	21.4	15.4	13.9	14.9	11.1	9.8	10.5	15.1	14.0	14.5
18	21.4	19.0	20.3	14.9	12.5	14.0	11.9	10.5	11.0	16.0	14.6	15.3
19	21.7	19.4	20.8	14.6	12.6	13.9	12.6	11.2	11.9	16.4	14.9	15.7
20	21.9	20.2	21.3	15.9	13.3	14.6	12.4	12.0	12.2	15.7	14.5	15.1
21	22.4	21.5	21.8	17.2	14.5	15.9	15.3	12.4	14.5	15.6	14.8	15.2
22	22.4	21.5	22.0	17.2	16.2	16.7	14.5	12.9	13.5	15.8	15.2	15.3
23	22.9	21.4	22.1	17.1	16.0	16.4	14.5	13.6	13.9	15.3	14.5	14.9
24	23.4	21.8	22.5	16.9	15.8	16.5	15.2	14.3	14.7	14.5	13.2	13.7
25	24.8	23.1	23.9	17.2	15.8	16.5	15.4	13.8	14.5	14.1	12.9	13.5
26	24.7	22.5	24.0	17.7	15.8	16.8	13.9	13.4	13.7	13.8	13.3	13.6
27	22.5	21.1	21.7	18.7	16.3	17.2	13.5	12.5	12.9	13.3	12.4	12.8
28	21.1	19.4	20.2	19.3	16.8	18.1	12.5	11.5	12.0	12.7	11.4	12.2
29	20.1	19.1	19.7	19.8	18.6	19.5	11.5	10.5	11.0	13.7	11.8	12.7
30	20.8	19.0	19.9	18.8	17.4	17.9	10.9	10.4	10.6	15.4	12.7	13.6
31	20.8	17.8	19.2	---	---	---	10.9	10.2	10.5	13.9	12.9	13.4
MONTH	29.0	17.8	23.9	21.7	12.5	17.1	18.3	8.9	13.5	17.0	9.9	14.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	14.3	13.3	13.8	17.6	15.9	16.8	21.1	20.0	20.5	22.6	21.1	21.6
2	14.1	13.8	14.0	16.0	14.9	15.5	21.6	20.1	20.7	23.4	21.5	22.3
3	14.4	13.4	13.8	15.9	14.6	15.2	21.3	20.6	20.8	24.8	22.8	23.8
4	14.0	13.0	13.4	17.0	15.1	15.9	22.0	20.5	21.3	25.7	24.2	24.7
5	13.6	13.0	13.3	16.2	15.8	16.0	21.4	20.4	20.9	26.2	24.7	25.3
6	13.2	12.3	12.8	16.6	16.0	16.3	21.5	20.1	20.7	25.8	24.7	25.2
7	13.1	12.2	12.6	19.2	16.0	16.8	21.7	20.6	21.2	26.9	25.2	25.7
8	13.3	12.1	12.7	19.5	17.0	18.4	21.7	21.1	21.5	26.6	25.2	25.8
9	13.3	12.7	13.0	17.0	14.8	15.5	21.8	20.7	21.1	26.1	24.9	25.5
10	15.2	12.9	13.8	14.9	13.6	14.1	21.8	20.3	21.0	27.5	25.6	26.4
11	15.6	14.1	14.8	14.2	12.6	13.5	21.4	19.9	20.7	27.4	25.4	26.2
12	15.9	14.5	15.1	13.6	12.5	13.0	22.7	20.5	21.3	26.8	25.4	26.1
13	15.9	14.1	14.7	14.0	12.8	13.2	21.9	20.8	21.2	27.3	25.3	26.1
14	16.0	14.1	14.8	14.4	13.3	13.8	22.1	21.0	21.5	26.6	25.8	26.1
15	15.0	14.6	14.7	15.1	13.4	14.3	22.2	20.9	21.7	26.3	25.6	25.9
16	14.9	14.5	14.7	17.0	14.4	15.5	24.2	21.3	22.6	26.2	25.6	25.8
17	15.2	14.2	14.7	17.4	15.6	16.4	23.4	21.9	22.4	26.3	25.5	25.8
18	15.1	14.3	14.6	17.2	16.6	16.8	22.7	21.4	22.0	27.1	25.5	26.3
19	14.4	13.6	14.1	17.0	16.7	16.9	21.6	20.4	21.0	27.5	26.0	26.6
20	14.4	13.4	13.8	17.2	16.2	16.7	21.6	20.0	20.9	27.7	26.7	27.2
21	15.2	13.8	14.5	16.6	15.3	15.9	22.1	20.5	21.2	27.8	27.1	27.4
22	15.3	14.6	14.9	16.7	15.1	15.9	22.2	20.8	21.5	27.6	26.8	27.2
23	15.4	14.3	14.9	17.8	15.9	16.6	22.0	20.1	20.9	27.6	26.2	26.9
24	16.3	14.9	15.3	18.2	16.4	17.2	22.0	20.3	21.2	27.7	26.5	27.1
25	17.0	14.9	15.9	18.6	17.1	17.9	22.4	21.0	21.5	28.0	26.6	27.3
26	17.2	16.3	16.7	19.4	17.8	18.6	22.2	21.0	21.5	28.8	27.1	27.8
27	17.4	16.2	16.8	20.0	18.6	19.2	23.1	21.4	22.0	28.8	27.3	27.8
28	17.0	16.3	16.6	20.5	19.2	19.9	22.2	21.5	21.9	30.1	27.6	28.3
29	---	---	---	21.5	19.8	20.4	22.1	20.9	21.3	29.1	27.9	28.4
30	---	---	---	22.3	19.9	21.1	22.2	21.0	21.5	29.4	28.5	28.9
31	---	---	---	22.7	20.7	21.2	---	---	---	30.0	29.1	29.5
MONTH	17.4	12.1	14.5	22.7	12.5	16.6	24.2	19.9	21.3	30.1	21.1	26.3

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	30.6	29.7	30.1	31.2	28.8	29.9	32.4	31.1	31.7	30.7	27.8	29.4
2	31.0	30.0	30.4	30.4	29.2	29.4	32.3	31.3	31.7	27.8	26.4	27.0
3	31.1	29.8	30.4	30.1	29.0	29.5	31.4	30.2	30.8	28.3	26.6	27.4
4	30.7	29.6	30.2	30.6	29.2	29.8	30.6	29.5	30.1	30.0	27.5	28.7
5	31.0	30.0	30.4	31.1	29.7	30.4	31.7	30.2	30.7	28.7	28.1	28.4
6	30.4	29.1	29.8	31.9	29.9	30.8	31.6	30.6	31.0	28.4	28.1	28.3
7	29.1	28.0	28.6	31.6	30.0	30.7	32.1	30.6	31.1	28.4	26.9	28.0
8	28.5	27.8	28.2	32.0	30.4	31.1	31.9	30.7	31.1	27.1	26.1	26.4
9	30.0	28.4	28.9	32.0	30.7	31.4	31.4	30.7	31.1	27.0	25.6	26.6
10	30.5	28.8	29.5	31.9	30.9	31.3	32.2	30.7	31.3	25.6	24.2	24.6
11	30.3	29.4	29.9	31.9	30.7	31.2	32.3	30.9	31.5	24.5	24.1	24.3
12	30.8	29.7	30.3	31.8	30.6	31.1	32.2	31.1	31.6	25.4	24.3	24.7
13	30.9	29.8	30.4	31.7	30.7	31.1	32.4	31.3	31.7	25.5	24.7	25.1
14	31.0	29.9	30.4	31.3	30.4	30.7	31.5	30.7	31.0	26.3	25.1	25.6
15	30.9	29.6	30.3	31.3	30.1	30.5	30.9	30.3	30.5	26.6	25.5	26.0
16	31.5	29.9	30.6	31.0	30.0	30.5	31.2	29.9	30.5	27.2	26.1	26.6
17	31.6	30.4	31.0	31.1	30.1	30.5	31.5	30.0	30.5	26.8	26.4	26.6
18	31.9	30.6	31.2	31.3	29.9	30.5	31.1	29.9	30.4	28.2	26.5	27.0
19	32.4	30.7	31.5	31.8	30.3	30.8	30.5	29.5	30.0	27.3	26.8	27.0
20	32.6	31.3	31.9	31.7	30.5	30.9	30.6	29.4	29.9	27.8	26.7	27.1
21	32.5	31.5	32.0	31.1	30.6	30.8	29.6	27.5	28.8	28.1	27.0	27.4
22	32.3	31.3	31.7	31.5	30.5	30.8	28.4	27.5	27.9	28.6	27.4	27.8
23	32.5	30.9	31.6	31.2	30.1	30.6	30.3	27.7	28.6	29.0	27.7	28.2
24	31.9	31.0	31.4	30.5	30.1	30.3	30.5	29.1	29.6	29.1	27.8	28.4
25	31.1	29.1	30.2	31.3	30.0	30.5	30.8	29.2	29.9	28.9	27.8	28.3
26	29.2	26.7	27.8	30.8	30.3	30.5	31.1	29.5	30.1	29.4	27.8	28.3
27	26.9	26.0	26.6	30.6	29.7	30.0	31.4	29.8	30.5	28.4	27.3	27.9
28	29.3	26.0	28.0	31.0	29.6	30.2	32.0	30.2	31.0	27.3	26.3	26.6
29	28.8	27.7	28.3	31.3	30.0	30.5	32.6	31.0	31.6	26.9	26.0	26.4
30	31.1	27.8	29.0	31.7	30.3	31.0	32.7	30.9	31.5	27.6	26.1	26.8
31	---	---	---	32.3	30.8	31.4	31.7	30.6	31.1	---	---	---
MONTH	32.6	26.0	30.0	32.3	28.8	30.6	32.7	27.5	30.6	30.7	24.1	27.0

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA

LOCATION.--Lat 29°22'30", long 90°36'06", in sec. 1, T. 20 S., R. 18 E., Terrebonne Parish, Hydrologic Unit 08090302, on a three-pile platform, 1.5 mi south of Chauvin.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

REMARKS.--Gage height affected by wind and tide. Satellite telemetry with wind speed and direction at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.76 ft, Sept. 11, 1998 ; minimum, 6.62 ft, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.76 ft, Sept. 11; minimum , 6.88 ft, Dec. 30.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.56	8.09	8.33	9.25	8.54	8.89	8.68	7.80	8.23	7.92	7.17	7.49
2	8.59	8.28	8.47	8.97	8.02	8.41	8.78	7.94	8.37	8.28	7.59	7.93
3	8.85	8.21	8.52	8.80	7.64	8.09	9.05	8.06	8.55	8.40	7.98	8.21
4	9.00	8.38	8.67	8.59	7.60	8.01	8.72	7.56	8.06	8.61	8.21	8.40
5	9.21	8.48	8.84	8.85	8.00	8.39	8.16	7.48	7.85	9.04	8.60	8.77
6	9.22	8.64	8.94	8.77	7.66	8.13	8.02	7.38	7.68	9.52	8.51	8.94
7	9.60	8.99	9.29	7.92	7.39	7.66	8.06	7.62	7.77	9.44	8.78	9.09
8	10.10	9.33	9.72	8.09	7.66	7.87	8.64	8.06	8.32	8.78	7.98	8.22
9	10.25	9.25	9.67	8.24	7.87	8.05	8.97	8.12	8.50	8.66	7.64	8.08
10	10.31	9.34	9.77	8.35	8.03	8.22	8.97	8.14	8.46	8.57	7.63	8.07
11	10.09	9.56	9.85	8.58	7.88	8.20	8.36	7.42	7.82	8.76	7.71	8.15
12	10.59	9.76	10.23	9.16	8.44	8.68	7.93	7.08	7.47	9.00	8.03	8.47
13	10.45	9.49	10.11	9.16	8.55	8.87	8.06	7.18	7.61	9.00	7.92	8.41
14	9.49	8.56	8.83	9.05	8.02	8.50	8.04	6.97	7.38	9.43	8.53	8.98
15	9.10	8.48	8.75	8.78	7.75	8.21	7.96	7.03	7.41	9.31	8.15	8.69
16	9.25	8.45	8.86	8.35	7.26	7.71	8.04	7.12	7.55	8.39	7.80	8.05
17	9.22	8.32	8.76	8.31	7.49	7.90	8.10	7.33	7.72	8.35	7.77	8.02
18	9.24	8.28	8.72	8.65	7.85	8.25	8.29	7.41	7.80	8.46	7.82	8.05
19	9.04	8.27	8.69	8.83	7.71	8.22	8.18	7.58	7.89	8.36	7.62	7.97
20	9.06	8.14	8.62	8.76	8.18	8.46	8.42	7.78	8.04	8.76	7.92	8.29
21	9.03	8.10	8.54	8.87	8.44	8.62	8.63	8.35	8.48	9.11	8.21	8.56
22	8.84	8.11	8.48	8.92	8.16	8.44	8.64	8.06	8.31	9.33	8.81	9.08
23	9.33	8.49	8.80	8.44	7.94	8.18	8.79	8.23	8.45	9.07	8.15	8.60
24	9.63	8.81	9.27	8.45	8.21	8.34	8.86	8.26	8.54	8.78	7.83	8.31
25	9.32	9.04	9.17	8.64	7.94	8.27	8.74	7.87	8.30	9.00	8.00	8.42
26	9.48	8.49	9.07	8.67	8.05	8.35	8.66	7.95	8.31	9.16	8.38	8.72
27	8.49	8.16	8.35	9.09	8.02	8.45	8.22	7.23	7.67	9.33	7.79	8.33
28	8.76	8.35	8.54	9.67	8.35	8.82	8.18	7.46	7.84	8.75	7.88	8.31
29	8.80	8.37	8.57	9.87	8.68	9.13	7.96	6.89	7.27	8.82	8.00	8.42
30	9.03	8.18	8.52	9.16	7.94	8.45	7.83	6.88	7.25	8.77	7.88	8.33
31	9.19	8.54	8.86	---	---	---	8.03	6.93	7.36	8.96	8.36	8.62
MONTH	10.59	8.09	8.96	9.87	7.26	8.33	9.05	6.88	7.94	9.52	7.17	8.39

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.40	8.91	9.07	8.58	8.03	8.21	9.59	8.68	9.16	9.38	8.65	9.03
2	9.39	8.50	9.08	8.28	7.91	8.15	9.73	8.80	9.29	9.10	8.59	8.90
3	8.61	8.13	8.29	8.39	7.55	7.98	9.38	8.76	9.08	9.03	8.50	8.77
4	8.61	7.81	8.23	9.00	7.83	8.41	8.99	8.16	8.62	8.86	8.31	8.62
5	8.55	7.78	8.19	9.11	8.20	8.69	9.03	8.06	8.53	9.19	8.55	8.88
6	8.33	7.52	7.95	9.75	8.39	8.98	9.47	8.45	8.88	9.45	9.11	9.24
7	8.66	7.59	8.03	10.47	9.16	9.66	9.47	8.88	9.12	9.48	8.92	9.20
8	8.65	7.75	8.22	10.44	8.61	9.35	9.28	8.83	9.06	9.11	8.83	8.98
9	8.90	7.78	8.24	8.61	7.89	8.23	9.05	8.11	8.47	9.73	9.07	9.44
10	9.48	8.05	8.55	8.32	7.66	7.95	8.15	7.76	7.96	9.36	8.28	8.95
11	9.62	8.12	8.64	8.16	7.42	7.76	8.50	7.76	8.15	9.09	8.14	8.69
12	8.71	7.85	8.26	8.21	7.45	7.84	8.92	8.07	8.58	9.33	8.52	9.00
13	8.71	8.07	8.41	8.41	7.94	8.19	9.52	8.84	9.15	9.62	8.73	9.18
14	8.96	8.05	8.43	8.34	7.98	8.17	9.23	8.68	8.98	9.68	8.82	9.25
15	10.36	8.96	9.62	8.67	8.29	8.46	9.60	8.62	9.18	9.55	8.73	9.12
16	9.81	9.18	9.42	9.35	8.53	8.95	10.24	9.09	9.60	9.11	8.50	8.82
17	9.52	8.80	9.23	9.79	9.07	9.38	9.55	8.92	9.26	9.09	8.23	8.67
18	8.97	8.37	8.65	9.61	8.94	9.32	9.71	8.85	9.22	9.03	8.16	8.65
19	8.91	8.11	8.46	9.56	9.07	9.31	9.12	8.25	8.62	9.11	8.50	8.84
20	8.67	7.97	8.33	9.09	8.26	8.54	9.14	8.12	8.66	9.07	8.61	8.85
21	9.00	7.88	8.38	8.55	7.71	8.17	8.88	8.28	8.61	9.04	8.73	8.86
22	9.48	8.63	8.96	8.97	7.83	8.36	8.52	7.85	8.04	9.11	8.66	8.91
23	8.63	7.73	8.14	8.94	7.95	8.46	8.25	7.85	8.09	9.42	8.58	9.04
24	8.66	7.69	8.15	9.13	8.17	8.62	8.43	8.08	8.26	9.40	8.58	9.03
25	9.17	8.03	8.47	9.13	8.50	8.79	9.02	8.28	8.74	9.59	8.60	9.14
26	9.44	8.56	9.08	9.28	8.78	9.00	9.40	8.72	9.07	9.66	8.61	9.16
27	9.40	8.62	8.97	9.63	9.11	9.31	9.48	8.73	9.15	9.53	8.64	9.10
28	9.32	8.58	8.83	9.23	8.90	9.06	10.42	8.85	9.62	9.73	8.75	9.29
29	---	---	---	9.43	8.99	9.26	10.59	9.59	10.27	9.52	8.87	9.20
30	---	---	---	9.86	8.99	9.50	9.67	9.02	9.37	9.30	8.66	9.00
31	---	---	---	10.05	9.23	9.64	---	---	---	9.16	8.55	8.87
MONTH	10.36	7.52	8.58	10.47	7.42	8.70	10.59	7.76	8.89	9.73	8.14	8.99
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.91	8.43	8.71	8.66	8.50	8.59	8.69	8.06	8.44	9.94	9.12	9.61
2	8.95	8.48	8.68	9.09	8.54	8.78	8.71	8.32	8.53	10.41	8.99	9.72
3	8.95	8.53	8.74	9.17	8.49	8.82	9.36	8.51	8.96	10.41	9.20	9.86
4	9.60	8.95	9.25	9.15	8.38	8.79	9.49	8.56	9.02	10.05	9.14	9.71
5	9.41	8.83	9.19	8.95	8.18	8.61	9.18	8.37	8.83	9.83	9.07	9.45
6	9.43	8.83	9.10	8.65	8.03	8.42	9.29	8.34	8.84	9.61	9.00	9.29
7	9.18	8.59	8.88	9.06	8.03	8.58	9.46	8.45	9.00	9.81	9.14	9.52
8	9.66	8.57	9.17	9.08	8.24	8.67	9.36	8.46	8.96	10.04	9.43	9.68
9	9.79	8.92	9.39	9.00	8.20	8.60	9.11	8.42	8.82	10.37	9.45	9.70
10	9.52	8.89	9.22	8.67	8.04	8.37	8.98	8.36	8.69	11.50	10.31	10.66
11	9.69	8.77	9.25	8.60	7.89	8.27	9.01	8.47	8.75	11.76	10.89	11.32
12	9.47	8.64	9.06	8.57	7.85	8.29	8.82	8.56	8.68	11.76	10.24	10.95
13	9.08	8.50	8.79	8.70	8.03	8.45	8.75	8.32	8.56	11.02	9.96	10.54
14	9.14	8.33	8.79	8.63	8.26	8.47	8.88	8.20	8.58	10.73	9.81	10.34
15	9.16	8.74	8.95	8.69	8.27	8.52	9.06	8.32	8.72	10.40	9.54	10.08
16	9.15	8.73	8.98	8.59	8.14	8.39	9.22	8.34	8.79	10.17	9.43	9.90
17	9.21	8.73	8.98	8.49	7.92	8.26	9.18	8.25	8.76	10.22	9.43	9.86
18	9.23	8.70	8.98	8.68	8.09	8.41	9.07	8.27	8.72	10.22	9.49	9.87
19	9.21	8.50	8.87	8.83	8.01	8.49	9.20	8.27	8.84	10.63	9.63	10.17
20	9.06	8.25	8.74	8.96	8.12	8.55	9.46	8.52	9.09	10.29	9.54	9.88
21	9.19	8.28	8.77	9.02	8.12	8.65	10.06	8.97	9.49	9.69	9.20	9.46
22	9.09	8.26	8.71	9.09	8.32	8.72	10.01	9.21	9.62	9.22	8.91	9.07
23	9.10	8.19	8.68	9.17	8.26	8.73	9.65	9.25	9.48	9.20	8.70	8.96
24	9.14	8.17	8.71	9.09	8.25	8.70	9.50	9.18	9.39	9.36	8.85	9.09
25	9.77	8.27	9.12	9.04	8.33	8.70	9.36	9.08	9.21	9.48	9.00	9.22
26	10.66	9.13	9.89	8.86	8.21	8.60	9.35	8.83	9.06	9.67	8.89	9.28
27	10.14	9.15	9.68	8.83	8.26	8.56	9.12	8.69	8.89	9.79	8.20	8.95
28	9.52	8.98	9.23	8.73	8.35	8.61	8.97	8.57	8.79	9.39	8.56	9.02
29	9.04	8.59	8.83	8.68	8.46	8.58	9.28	8.67	8.97	8.86	8.08	8.51
30	8.85	8.52	8.68	8.74	8.35	8.55	9.34	8.69	9.02	9.17	8.52	8.94
31	---	---	---	8.70	8.25	8.50	9.61	8.93	9.25	---	---	---
MONTH	10.66	8.17	9.00	9.17	7.85	8.56	10.06	8.06	8.93	11.76	8.08	9.69

MISSISSIPPI RIVER DELTA
07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1994 to current year.

WATER TEMPERATURES: January 1994 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,600 microsiemens, Apr. 22, 1996; minimum daily, 1,560 microsiemens, on July 27, 1994.

WATER TEMPERATURES: Maximum daily, 35.3 °C, July 6, 1998; minimum daily, 2.3°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 27,900 microsiemens, Oct. 13; minimum daily, 2,150 microsiemens, on June 3.

WATER TEMPERATURES: Maximum daily, 35.3 °C, July 6; minimum daily, 5.3°C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11700	10300	10800	22500	17900	20800	17800	14300	15400	14900	13100	13800
2	12800	11200	12200	21400	17000	18300	17600	14800	16000	17000	12800	14800
3	12700	11400	12300	19600	16500	17700	19400	14900	16300	18100	14000	15900
4	13300	11900	12400	18500	15100	16900	19400	14100	16000	19800	15700	17200
5	15100	13200	14000	19700	17200	18600	16100	13600	14400	19800	11600	14600
6	16400	14500	15300	20100	15700	18100	16700	14000	14900	14400	10700	12200
7	21200	15600	17700	17100	15200	15800	16100	14800	15500	13400	7830	9270
8	22400	17900	19900	19200	15300	17800	17100	15400	16300	9420	8390	9100
9	24400	18900	21700	18900	18100	18400	18600	14800	16300	9450	7240	8120
10	26000	21900	23700	19600	18800	19200	19000	15100	16400	8620	6510	7540
11	26500	22800	24700	19900	17600	19000	16800	13600	14700	8370	6550	7340
12	27400	22800	24700	20200	18600	19300	16600	13800	14700	8110	5650	6850
13	27900	23900	25400	20500	18200	19100	16400	14400	15500	7510	4500	5650
14	23900	18800	20200	19100	15600	17100	16500	14100	14900	7230	4680	6040
15	20300	17900	18700	18000	14600	16200	15800	13900	14700	7230	4420	5160
16	20900	18200	19600	16700	13700	14700	15700	13300	14500	5460	5300	5380
17	20700	17300	19100	16500	14500	15600	16100	13000	14700	5420	4820	5080
18	20400	17300	18900	16600	15300	15900	17300	13000	15000	5220	4580	5000
19	19200	17000	18300	16800	13700	15600	17300	13800	15400	5490	3920	4790
20	18800	16000	17500	17300	14500	16300	18300	15800	16800	5360	4720	5130
21	17900	15600	16800	17800	15800	16800	21200	16400	18400	5410	3990	4760
22	18200	15100	16800	18400	14400	16000	20800	14600	17300	6010	3660	4620
23	20800	15100	18400	16400	14500	15000	21600	16800	19200	5830	3820	4260
24	23700	17600	21200	17300	16400	17100	22000	15700	18400	5990	4090	4520
25	22100	17700	20200	18700	14300	16900	18900	14400	16200	5360	4160	4780
26	24600	18400	21000	18800	15600	17200	19600	14500	17100	5670	4070	4660
27	18600	17600	18000	20500	16000	17900	18100	13500	14900	5670	3400	3970
28	20800	17800	19300	22800	18200	19900	17200	13900	15600	5510	3710	4150
29	20800	19200	20100	23900	16600	19400	16200	13100	14300	4530	3620	4020
30	20600	16100	18900	19700	15300	16600	14400	12800	13200	4550	3370	3970
31	22000	18600	20100	---	---	---	15400	12300	13400	4420	3410	4070
MONTH	27900	10300	18600	23900	13700	17400	22000	12300	15700	19800	3370	7310

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4910	3280	4390	5640	5170	5410	13300	8260	10400	10600	9510	9870
2	5940	4460	5240	5600	5080	5310	13000	7270	9590	9800	9060	9360
3	5060	4190	4490	7070	4860	5500	11100	6640	7890	9340	8670	9030
4	5260	3930	4500	6900	5110	5950	8210	6100	6590	9630	8440	8840
5	4890	4070	4430	9160	5830	6960	8320	5770	6850	9840	6000	8140
6	5080	4010	4330	10100	6060	7860	9610	6490	7670	10000	7420	8130
7	4930	4090	4440	11700	6250	8740	10400	7170	8200	9280	5040	7630
8	5660	4110	4560	9510	6300	7210	9540	6470	7950	8630	5850	7480
9	5870	3780	4580	6720	5440	5990	9070	6160	6870	13700	7420	10800
10	9160	3800	5380	5950	4270	4650	6620	5730	6110	10800	7100	8150
11	10000	3020	5360	4530	3880	4010	6810	5290	5940	9310	7390	8330
12	4430	2670	3170	5560	3830	4690	7940	6080	6710	10000	7660	9070
13	4780	3160	3930	5520	4590	5200	11800	6950	8780	12600	8630	10500
14	5810	3600	4360	5220	4430	4930	9800	6610	8160	14600	10500	11900
15	11800	4820	7540	5070	3680	4730	14200	7140	9780	14700	9850	11800
16	10100	4640	6910	7240	4310	5970	17000	7500	11800	12600	9010	10300
17	9790	5700	7390	9710	5570	7510	15300	7430	12000	11100	8210	9330
18	7110	5480	6250	9970	6080	7580	14600	7770	10600	10600	7910	9210
19	7300	5310	5740	10500	5760	7440	12000	7610	8820	11200	8400	9670
20	6940	5100	5630	7920	4990	5440	10900	7120	8650	11200	8570	9470
21	6390	4690	5460	6480	4450	5020	9350	6970	8130	9760	6510	8580
22	6430	5240	5890	6490	4520	5390	8140	6390	6790	8100	3280	5980
23	5240	4480	4640	6940	4710	5790	6840	5810	6270	12100	6600	8860
24	6090	4410	4840	8010	5220	6100	7870	6290	6950	12400	6620	9130
25	6380	4100	5060	8010	3200	5980	10200	6720	8080	13400	6900	10600
26	10000	4460	6310	9270	3250	5200	15500	6370	9980	13900	8050	11100
27	10000	4740	6240	10500	4170	6630	15200	7520	10800	15600	7740	11200
28	9150	5590	6820	7300	3100	5500	19100	11300	16500	15500	9830	13100
29	---	---	---	13200	5510	7790	19600	13600	16800	15800	10500	12800
30	---	---	---	13600	8160	9840	17000	10100	12000	14100	8180	10400
31	---	---	---	13200	7650	9470	---	---	---	11400	6640	8150
MONTH	11800	2670	5280	13600	3100	6250	19600	5290	9060	15800	3280	9580
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8570	6670	7050	8740	6240	7730	6760	4620	5610	17700	13600	16300
2	7350	6470	6730	10500	4690	8110	6680	4820	5750	19400	12100	17400
3	6910	2150	5150	10800	7210	8710	10200	5650	8330	20000	11800	17300
4	11800	5830	8970	10400	7420	8690	12900	8270	10300	20300	16000	18400
5	11700	6710	9890	9470	7330	8080	13900	8210	11300	19800	14300	16900
6	12500	7590	9380	8930	7160	7740	13200	7300	10300	18000	12500	14600
7	10900	7390	8870	8910	7130	7870	14200	8170	11200	17600	12500	15700
8	11600	7430	9700	9300	7120	8140	14100	7820	11000	18400	16000	16800
9	14000	9680	12000	9070	6850	7970	13300	7390	10200	17600	16100	16700
10	13600	9040	11300	8940	6340	7050	11700	7250	8790	18100	16200	17500
11	14100	8320	11300	8200	5910	6640	11900	7950	9330	18500	15200	16800
12	12900	7790	9960	7900	6340	6930	10500	8330	9480	18900	12000	16500
13	10100	7140	7840	7730	6460	7020	9310	7390	8080	13300	9240	11300
14	9390	6530	7610	7010	5310	6630	9580	7340	8190	11400	8830	10200
15	9300	4860	7280	6400	4370	5440	10500	7340	8650	10200	8960	9720
16	10900	7930	9530	6070	5320	5740	10500	7500	8670	11100	7430	9410
17	11600	8460	10300	6120	4650	5630	10900	7390	9140	11700	7390	9610
18	12300	8830	11000	6280	5680	6010	11000	7310	9060	10200	6770	8600
19	12000	7650	9880	6600	5840	6190	11300	7910	9520	9890	6730	8640
20	9950	7380	8540	7210	6190	6650	13600	9160	11600	8830	6770	8080
21	10200	7130	8740	7650	6140	6980	14600	11700	13700	8100	7730	7940
22	10100	7080	8500	8570	6700	7590	15800	13600	14900	8070	7530	7890
23	10200	7230	8550	8890	6870	7800	15800	13900	15100	7530	6440	6840
24	10400	7440	8840	8400	6790	7650	15900	13400	14900	7750	6050	7130
25	11900	7450	9690	8010	6370	7270	14700	10800	11900	8260	6780	7690
26	14800	9800	12100	7700	6520	7190	13200	9810	11300	8200	6010	7470
27	14500	11300	13000	7510	6510	7120	10200	9240	9800	9490	5510	7750
28	13100	10700	11300	7250	6640	7000	9870	9220	9440	8470	5960	7480
29	10700	9400	9690	7440	5820	6690	12500	9300	11200	7590	5870	6930
30	9540	8360	9100	5900	3430	5170	14700	10500	12200	9050	5850	7700
31	---	---	---	6260	3920	5150	16800	10700	14100	---	---	---
MONTH	14800	2150	9390	10800	3430	7050	16800	4620	10400	20300	5510	11700

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	29.3	27.5	28.2	22.8	21.1	21.8	18.1	16.0	16.9	11.5	8.4	9.9
2	28.5	26.0	27.0	21.6	19.2	20.5	18.4	16.3	17.2	14.2	10.8	12.3
3	27.7	24.6	25.8	19.2	17.5	18.5	19.2	17.6	18.3	17.1	13.5	15.0
4	27.0	25.3	26.1	18.6	16.3	17.5	18.6	16.1	17.3	18.5	16.1	17.2
5	27.8	26.1	26.7	18.3	17.0	17.7	16.1	13.5	14.9	18.4	17.5	18.1
6	28.0	26.3	27.1	19.5	17.1	18.3	14.4	11.8	13.0	18.4	17.0	17.8
7	27.4	26.4	27.1	17.1	14.8	16.0	12.4	10.3	11.4	18.5	17.4	18.1
8	26.9	25.9	26.4	15.5	13.2	14.4	13.7	10.2	11.8	17.4	14.2	15.7
9	27.4	26.2	26.6	15.5	13.2	14.5	17.0	13.6	15.1	14.7	12.7	13.7
10	26.7	25.9	26.4	15.4	14.5	15.0	18.0	16.4	17.3	15.4	13.0	14.2
11	26.7	25.2	26.0	15.3	14.8	15.1	16.4	11.8	13.6	16.2	13.5	14.9
12	26.1	24.8	25.6	15.6	15.0	15.3	11.8	8.5	10.0	17.8	15.7	16.6
13	26.1	25.2	25.7	17.2	15.4	16.1	8.5	7.1	7.8	18.0	17.0	17.4
14	25.2	20.7	22.5	17.4	16.0	16.6	7.5	5.5	6.6	17.0	16.7	16.8
15	20.7	18.5	19.4	17.0	15.4	16.3	8.9	5.3	6.8	16.7	14.4	16.2
16	19.7	17.6	18.5	15.6	12.5	14.2	10.9	7.4	8.9	14.6	12.5	13.9
17	19.5	17.2	18.4	13.1	10.7	11.9	12.0	7.0	10.3	16.0	13.9	14.9
18	20.1	17.3	18.6	12.9	11.1	12.0	14.5	7.0	12.5	17.3	15.2	16.1
19	20.6	17.3	18.7	13.4	12.6	13.0	16.7	12.6	14.6	17.1	15.4	16.3
20	21.1	18.9	20.0	15.6	13.0	14.0	16.2	15.7	16.1	15.5	13.8	14.9
21	22.8	20.5	21.6	19.7	15.0	17.3	17.0	16.1	16.6	16.6	14.8	15.7
22	22.5	21.4	22.0	20.1	17.9	19.2	16.9	15.9	16.4	16.8	16.4	16.7
23	22.3	20.6	21.6	19.0	16.8	18.2	16.9	16.4	16.6	16.4	14.2	15.2
24	23.3	21.5	22.2	16.8	15.4	16.2	17.2	15.8	16.8	14.4	12.8	13.6
25	24.8	22.8	23.7	17.7	15.0	16.2	16.6	15.1	15.9	14.1	12.0	13.3
26	24.8	20.9	23.7	18.2	15.6	16.9	15.9	13.5	14.8	13.7	13.2	13.5
27	20.9	18.3	19.4	19.9	16.9	18.5	13.5	11.2	12.3	13.4	11.6	12.6
28	18.4	15.1	16.8	21.4	19.0	20.1	11.2	9.5	10.4	13.5	10.8	12.1
29	16.4	14.9	15.5	21.2	20.4	20.9	10.9	8.0	9.3	14.7	12.2	13.4
30	18.7	15.5	17.1	20.6	17.7	18.8	10.9	7.9	9.3	15.9	13.6	14.7
31	21.2	18.1	19.7	---	---	---	11.3	9.3	10.2	15.9	14.7	15.4
MONTH	29.3	14.9	22.7	22.8	10.7	16.7	19.2	5.3	13.2	18.5	8.4	15.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.7	14.6	15.5	18.5	16.2	17.2	23.2	21.1	22.2	24.5	21.8	23.0
2	16.5	14.7	15.8	16.5	14.8	15.7	24.2	21.8	23.0	24.9	22.3	23.7
3	15.2	13.6	14.2	16.0	13.2	14.8	24.6	23.3	23.9	25.9	23.5	24.7
4	14.5	12.3	13.3	16.7	13.9	15.5	24.1	21.5	22.8	27.9	24.2	25.8
5	13.2	11.9	12.5	18.0	16.5	17.2	23.1	20.0	21.5	28.0	25.4	26.7
6	13.3	11.4	12.2	19.4	17.9	18.6	22.3	20.6	21.4	27.2	26.2	26.8
7	14.0	10.6	11.9	20.4	18.9	19.5	23.3	21.1	22.1	28.1	26.1	26.9
8	14.2	11.4	12.8	20.4	16.2	19.5	24.1	23.0	23.4	29.0	26.6	27.5
9	14.6	13.4	13.9	16.2	13.2	14.7	23.7	21.3	22.3	28.5	26.7	27.6
10	17.7	14.1	15.6	15.2	12.5	13.7	22.0	19.5	20.8	28.2	26.7	27.5
11	17.7	15.5	16.5	13.2	10.7	12.1	21.9	19.9	20.8	28.6	25.6	26.9
12	16.3	14.4	15.4	12.6	10.2	11.4	22.2	20.1	21.1	28.4	26.6	27.4
13	17.3	15.1	16.1	14.3	10.6	12.2	21.8	20.0	21.0	27.8	25.3	26.7
14	17.3	15.2	16.2	15.7	12.7	14.0	23.2	21.5	22.2	26.8	25.5	26.4
15	15.6	14.3	14.6	18.4	14.4	16.4	24.4	22.3	23.3	28.4	25.8	26.9
16	14.8	14.2	14.5	19.2	16.4	17.9	24.9	23.1	24.1	29.3	26.5	27.8
17	15.6	13.8	14.7	19.9	18.8	19.4	24.7	24.0	24.2	30.0	26.8	28.4
18	15.6	13.5	14.6	19.8	18.8	19.2	25.1	23.3	24.1	30.9	27.4	29.2
19	15.5	14.2	14.7	20.0	18.5	19.1	23.3	21.2	22.3	31.9	28.7	30.1
20	15.7	13.7	14.5	19.0	16.1	17.2	23.2	20.0	21.6	31.6	29.5	30.5
21	17.5	14.4	15.8	16.6	13.8	15.4	23.5	21.0	22.2	30.3	29.1	29.7
22	16.5	15.5	16.1	18.0	14.4	16.1	22.3	20.1	21.4	29.2	28.0	28.4
23	15.9	13.5	15.0	18.7	15.6	17.2	22.5	19.6	21.0	28.7	26.4	27.7
24	17.2	14.6	16.0	20.8	17.2	19.1	24.0	20.4	22.0	28.7	26.9	28.1
25	20.2	16.2	18.0	22.2	19.6	20.7	22.7	20.5	21.9	28.9	26.8	28.0
26	19.5	18.6	19.1	22.3	20.4	21.3	22.4	20.4	21.5	30.1	27.4	28.6
27	20.3	17.8	18.8	22.5	20.6	21.5	24.2	21.8	23.0	30.6	28.4	29.2
28	20.5	17.7	18.7	24.3	22.0	23.0	23.6	21.4	22.8	31.1	28.5	29.6
29	---	---	---	24.7	23.0	23.9	21.4	20.0	20.6	30.9	29.0	29.9
30	---	---	---	25.1	23.1	24.2	24.3	20.6	21.8	32.2	29.6	30.7
31	---	---	---	24.8	22.4	23.6	---	---	---	32.0	29.9	31.0
MONTH	20.5	10.6	15.3	25.1	10.2	17.8	25.1	19.5	22.2	32.2	21.8	27.8

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	32.3	29.8	31.0	34.2	29.6	31.4	33.6	31.0	32.4	30.6	26.4	28.2
2	31.6	29.9	30.8	30.9	29.0	29.7	32.9	31.0	31.9	27.6	25.7	26.5
3	31.6	29.9	30.6	31.0	28.6	29.7	31.5	29.1	30.0	29.1	26.5	27.7
4	30.4	28.3	29.4	31.7	29.2	30.5	30.5	28.4	29.3	30.1	28.1	29.2
5	30.2	28.5	29.4	32.6	30.2	31.3	31.4	28.8	29.9	29.5	28.0	28.4
6	30.2	27.2	28.4	35.3	31.0	32.1	32.2	29.5	30.6	28.1	27.3	27.6
7	27.4	26.2	26.7	33.7	31.2	32.3	32.1	30.0	30.9	27.5	26.2	26.7
8	28.1	25.4	26.7	33.7	31.8	32.8	33.5	30.8	31.7	26.7	25.5	26.1
9	29.7	27.1	28.5	33.0	31.5	32.3	33.4	31.3	32.3	26.2	25.3	25.9
10	30.9	28.6	29.7	32.9	30.5	31.6	34.6	31.4	32.6	25.3	24.4	24.8
11	30.5	28.6	29.6	32.9	30.4	31.5	35.0	31.3	32.6	24.8	24.4	24.6
12	31.2	28.8	30.1	32.5	30.2	31.5	33.5	32.0	32.7	25.9	24.7	25.2
13	31.7	29.3	30.4	32.3	30.5	31.2	32.9	31.5	32.2	25.9	25.3	25.6
14	31.1	29.2	30.2	31.0	29.4	30.1	32.0	30.0	30.8	27.3	25.6	26.4
15	31.0	29.3	30.0	31.0	29.1	30.0	30.6	28.9	29.5	28.3	26.7	27.4
16	30.8	29.4	30.0	31.7	29.8	30.8	30.8	28.0	29.4	28.4	27.3	27.8
17	31.1	29.4	30.3	32.1	29.8	30.9	32.3	29.4	30.8	28.0	27.0	27.3
18	32.1	29.7	30.8	32.7	29.2	30.6	32.7	30.4	31.3	28.8	26.8	27.7
19	32.8	30.0	31.5	32.7	30.2	31.3	32.0	29.3	30.4	28.5	27.5	27.9
20	32.7	30.3	31.7	33.5	30.6	31.7	30.8	29.6	30.2	29.0	27.2	28.0
21	32.3	30.5	31.4	31.8	30.7	31.2	29.6	27.9	28.5	28.9	28.1	28.5
22	32.1	30.7	31.3	30.8	29.7	30.3	30.1	27.2	28.5	30.4	27.9	29.0
23	32.9	30.7	31.7	31.8	29.8	30.7	31.7	28.9	29.9	30.4	28.7	29.6
24	33.1	30.9	32.0	31.2	30.5	30.8	31.8	29.7	30.5	30.5	28.5	29.6
25	32.1	27.9	29.7	32.4	29.8	30.9	32.3	30.0	30.9	29.1	28.1	28.6
26	27.9	26.4	26.8	31.4	30.1	30.6	32.4	30.4	31.4	29.2	27.3	28.3
27	26.6	25.8	26.3	31.5	29.4	30.1	33.3	31.0	32.4	28.5	25.8	27.3
28	28.1	26.2	27.0	32.1	29.6	30.7	34.3	31.7	32.9	26.1	24.6	25.3
29	30.1	27.5	28.8	32.7	30.8	31.6	33.5	31.7	32.7	26.6	24.3	25.5
30	31.9	28.8	30.0	32.5	30.6	31.6	33.2	31.4	32.3	27.9	25.3	26.6
31	---	---	---	33.0	30.8	32.1	32.2	30.6	31.3	---	---	---
MONTH	33.1	25.4	29.7	35.3	28.6	31.1	35.0	27.2	31.1	30.6	24.3	27.2

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA

LOCATION.--Lat. 29°15'08", Long. 90°55'18", T. 21 S, R. 15 E, Mechant, La., Terrebonne Parish, Hydrologic Unit 08090302, on dock at Wildlife and Fisheries camp 9.0 mi. southwest of Bayou Du Large and 13 mi. SW of Dulac.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (by Global Positioning System).

REMARKS.--Elevations affected by wind and tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 3.69 ft, Apr. 5, 1997; minimum recorded, -1.52 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 3.60 ft, Sept. 11; minimum recorded, -1.52 ft, Dec. 31.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.04	.15	.57	1.76	.56	1.16	---	---	---	.73	-.81	-.07
2	.92	.02	.54	1.15	.30	.77	1.55	.00	.66	.77	-.38	.30
3	1.01	.00	.54	---	---	---	1.63	.08	.85	.83	.07	.54
4	1.11	.04	.61	---	---	---	1.26	-.60	.19	.92	.30	.65
5	1.24	.28	.80	---	---	---	.64	-.74	.08	1.27	.73	.96
6	1.41	.49	.98	---	---	---	.53	-.59	-.02	1.80	.56	1.12
7	1.87	.82	1.30	---	---	---	.81	-.21	.02	1.64	-1.95	1.05
8	2.12	1.21	1.67	---	---	---	1.04	-.03	.64	.85	-.31	.30
9	2.17	1.10	1.66	---	---	---	1.41	.26	.83	.84	-.82	.14
10	2.17	1.00	1.65	---	---	---	1.28	.08	.61	.97	-.65	.24
11	2.08	1.19	1.74	---	---	---	.66	-1.10	-.11	1.10	-.56	.32
12	2.41	1.49	2.06	1.19	.34	.68	.57	-1.29	-.29	1.33	-.12	.69
13	2.36	.94	1.88	1.58	.39	.93	.70	-.73	.11	1.35	-.32	.45
14	---	---	---	---	---	---	.51	-1.29	-.45	1.72	.42	1.18
15	---	---	---	---	---	---	.61	-1.12	-.14	1.64	-.02	.75
16	---	---	---	---	---	---	.61	-1.02	-.15	.72	-.23	.15
17	---	---	---	---	---	---	.70	-.68	.09	.51	-.33	.11
18	---	---	---	---	---	---	.70	-.59	.07	.84	-.09	.32
19	---	---	---	---	---	---	.65	-.35	.20	.92	-.41	.25
20	---	---	---	---	---	---	.86	-.12	.28	1.14	.14	.59
21	---	---	---	1.25	.51	.76	1.22	.48	.84	1.33	.30	.80
22	1.26	.26	.78	1.18	.51	.68	1.06	.30	.62	1.74	.89	1.28
23	2.13	.90	1.21	---	---	---	1.23	.42	.76	1.17	-.17	.68
24	2.14	.97	1.55	---	---	---	1.17	.32	.88	1.16	-.55	.42
25	2.13	1.61	1.79	---	---	---	1.08	-.30	.45	1.28	-.23	.62
26	2.24	.85	1.58	1.07	.08	.66	1.33	-.12	.55	1.71	.07	.88
27	.85	.18	.42	1.64	.17	.95	.70	-.92	-.11	1.13	-.80	.25
28	.64	.17	.38	2.42	.51	1.38	1.21	-.60	.29	1.31	-.41	.54
29	.66	.23	.40	2.42	.96	1.54	.32	-1.38	-.64	1.35	-.21	.64
30	---	---	---	1.89	.04	.79	.56	-1.41	-.39	1.11	-.29	.47
31	1.41	.34	.99	---	---	---	.46	-1.52	-.40	1.16	.38	.84
MONTH	---	---	---	---	---	---	---	---	---	1.80	-1.95	.56

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.53	1.00	1.28	.93	.15	.50	1.88	.33	1.27	1.82	.60	1.28
2	1.84	.52	1.22	.77	-.15	.49	2.02	.73	1.50	1.66	.59	1.15
3	.94	.36	.69	.77	-.50	.23	1.65	.76	1.25	1.75	.59	1.09
4	1.18	-.02	.71	1.23	-.12	.73	1.33	-.14	.71	1.47	.51	1.03
5	1.02	-.24	.47	1.40	.38	1.02	1.43	-.20	.71	1.84	.80	1.35
6	.88	-.66	.16	1.84	.38	1.20	1.63	.60	1.13	1.88	1.31	1.58
7	1.13	-.48	.44	2.69	.90	1.79	1.68	.98	1.29	1.90	1.06	1.51
8	1.01	-.30	.49	2.56	.52	1.46	1.60	1.04	1.34	1.58	.98	1.27
9	1.22	-.43	.42	.66	-.80	.09	1.38	.22	.69	1.98	1.37	1.75
10	2.55	-.07	.96	.60	-.73	.02	.76	-.12	.26	1.75	.19	1.14
11	1.99	.28	.75	.54	-.80	-.01	1.13	.09	.61	1.65	.24	1.16
12	1.03	-.24	.44	.55	-.84	-.05	1.31	.48	.93	1.88	.69	1.38
13	1.07	.15	.66	.79	.10	.48	1.90	.72	1.40	2.07	.76	1.50
14	1.30	.07	.54	.70	.17	.44	1.61	.51	1.21	2.25	.82	1.57
15	1.94	1.10	1.46	.79	.44	.65	1.96	.53	1.50	2.21	.66	1.55
16	2.19	1.30	1.57	1.53	.60	1.10	2.38	1.03	1.71	1.71	.51	1.19
17	2.19	.49	1.44	1.88	1.02	1.51	1.82	.83	1.37	1.66	.38	1.14
18	1.02	.32	.64	1.83	.94	1.52	2.00	.54	1.32	1.59	.34	1.10
19	1.18	.04	.60	1.96	1.02	1.58	1.32	.35	.88	1.70	.83	1.38
20	.87	-.10	.42	1.02	-.06	.54	1.70	.03	1.05	1.79	.97	1.37
21	.94	-.15	.49	1.14	-.54	.39	1.40	.53	.95	1.72	1.11	1.39
22	1.60	.21	1.00	1.38	-.30	.70	.76	.06	.39	1.72	.83	1.40
23	.84	-.67	.16	1.41	-.07	.76	.92	.11	.53	2.02	.72	1.49
24	1.12	-.60	.29	1.30	.12	.83	1.00	.31	.65	1.99	.54	1.42
25	1.50	-.20	.70	1.26	.43	.88	1.53	.63	1.07	2.16	.64	1.57
26	1.74	.37	1.24	1.30	.50	.91	1.83	.53	1.38	2.32	.62	1.62
27	1.76	.58	1.17	1.53	.97	1.30	1.81	.67	1.38	2.17	.62	1.53
28	1.42	.44	1.03	1.42	.84	1.14	2.08	.73	1.66	2.27	.68	1.70
29	---	---	---	1.69	.70	1.29	2.69	1.36	2.25	2.12	.85	1.59
30	---	---	---	1.93	.78	1.54	2.15	.81	1.61	1.97	.77	1.42
31	---	---	---	2.32	.57	1.64	---	---	---	1.81	.70	1.30
MONTH	2.55	-.67	.77	2.69	-.84	.86	2.69	-.20	1.13	2.32	.19	1.38
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.58	.72	1.17	1.34	.75	1.03	1.43	.43	1.04	---	---	---
2	1.62	.91	1.19	1.60	.62	1.13	1.53	.79	1.16	---	---	---
3	1.63	.97	1.23	1.77	.66	1.20	2.30	1.08	1.74	2.77	1.60	2.21
4	2.18	1.27	1.67	1.78	.48	1.17	2.52	1.00	1.82	2.45	1.02	1.93
5	1.85	1.00	1.51	1.58	.34	1.04	2.34	.76	1.68	2.00	.84	1.57
6	1.98	.51	1.31	1.31	.09	.80	2.39	1.00	1.76	1.89	.92	1.48
7	1.79	.51	1.23	1.61	.32	1.06	2.60	1.03	1.98	2.34	1.20	1.78
8	2.23	.86	1.68	1.69	.22	1.08	2.61	1.03	1.98	2.42	1.48	1.94
9	2.35	.95	1.82	1.67	.02	1.07	2.31	1.14	1.88	2.32	1.45	1.84
10	2.12	.81	1.60	1.28	-.08	.82	2.24	1.14	1.80	3.00	2.07	2.47
11	2.29	.68	1.68	1.39	-.09	.78	2.26	1.39	1.93	3.60	2.60	3.12
12	2.12	.54	1.45	1.27	-.09	.81	2.25	1.65	1.92	3.45	1.95	2.81
13	1.65	.48	1.20	1.41	.17	1.03	2.21	.97	1.86	2.89	1.85	2.42
14	1.88	.48	1.43	1.42	.45	.92	2.46	1.12	1.84	2.81	1.63	2.32
15	1.65	1.09	1.39	1.36	.56	.99	2.61	1.12	1.97	2.50	1.42	2.07
16	1.93	.84	1.33	1.13	.46	.79	2.52	.99	1.85	2.27	1.20	1.88
17	1.82	.87	1.35	1.00	-.02	.62	2.26	.70	1.65	2.33	1.46	1.97
18	1.85	.92	1.37	1.22	.13	.80	2.00	.62	1.50	2.45	1.57	2.06
19	1.71	.64	1.27	1.39	.07	.89	2.15	.88	1.60	2.49	1.54	2.13
20	1.59	.34	1.11	1.55	.03	.96	2.19	1.20	1.75	2.14	1.54	1.84
21	1.84	.16	1.15	1.64	.19	1.05	2.48	1.42	1.95	1.94	1.30	1.63
22	1.74	.09	1.08	1.74	.22	1.11	2.54	1.41	2.00	1.52	1.02	1.30
23	1.70	.11	1.08	1.83	.25	1.18	1.98	1.27	1.72	1.57	.75	1.21
24	1.70	.17	1.13	1.67	.28	1.11	1.89	1.23	1.64	1.58	.90	1.30
25	2.16	.17	1.54	1.56	.30	1.08	1.70	1.23	1.50	1.76	1.02	1.38
26	3.09	.93	2.03	1.41	.24	.95	---	---	---	2.02	.90	1.50
27	2.47	1.04	1.94	1.45	.42	1.00	---	---	---	2.21	.55	1.42
28	1.86	.76	1.43	1.37	.59	1.06	---	---	---	2.61	1.39	2.01
29	1.46	.60	1.10	1.36	.81	1.06	---	---	---	1.51	.10	.87
30	1.37	.82	1.06	1.43	.74	1.08	---	---	---	1.93	.86	1.34
31	---	---	---	1.43	.66	1.08	---	---	---	---	---	---
MONTH	3.09	.09	1.38	1.83	-.09	.99	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA
07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current.

WATER TEMPERATURES: July 1992 to current.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily recorded, 41,800 microsiemens, Nov. 17, 1996; minimum daily recorded, 588 microsiemens, July 4, 1997.

WATER TEMPERATURES: Maximum daily, 34.2 °C, Aug. 12, 1998, but may have been higher during period of missing record; minimum daily, 0.9°C, Feb. 5, 1996, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily recorded, 38,800 microsiemens, Oct. 24; minimum daily recorded, 1,240 microsiemens, Feb. 7.

WATER TEMPERATURES: Maximum daily, 34.2 °C, Aug. 12; minimum daily, 6.3°C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20900	18200	19400	33900	30400	31800	25100	18600	21700	15300	12900	14000
2	22500	19000	20900	31700	25900	27600	27700	21200	23900	17600	7860	14300
3	24800	20800	22700	30100	22600	25000	26900	20100	24000	20500	12400	16400
4	26500	22700	25000	27800	20000	23600	25600	14400	20600	23600	15700	20000
5	27900	25200	26500	30300	25900	28100	22300	14200	17600	24800	15300	18000
6	28900	25700	27600	29600	22500	25600	24300	13100	18600	24300	11100	19000
7	31000	25400	27800	24500	21200	22600	26200	15800	19900	24700	9970	15800
8	35400	26800	32600	25500	21900	22700	26200	17900	21000	12500	6900	8720
9	36700	29100	32800	26800	21900	24400	25100	18200	22200	11500	4730	6300
10	33700	26600	31000	26000	23500	24800	28900	16900	22200	9990	3740	6160
11	34100	27600	31500	25700	22100	24300	21900	13600	16700	11100	4960	7290
12	37500	27200	33800	27000	24800	25700	21900	10800	15700	14000	7710	9980
13	37300	31000	34200	27400	25000	26100	21300	12500	16600	16800	5720	9500
14	32500	27300	29500	26400	19600	22200	23400	10800	14400	16200	9040	12200
15	29500	23700	27100	23400	17100	19500	21800	10200	15000	17000	5060	9590
16	29000	23900	27100	21200	14100	16900	23700	9450	16900	5060	2400	3620
17	30300	25900	27500	22800	17200	19800	21700	14500	17900	6060	2040	3590
18	29300	25400	27100	23800	21700	22500	23300	12300	17900	4200	2400	3040
19	29700	23700	27000	25700	20700	23000	26300	17900	20400	5460	2260	3080
20	30300	24500	27200	27800	22600	25500	26000	16500	20000	8450	2540	4720
21	29100	24800	26800	28300	25700	26600	30600	17600	23900	11100	4860	6910
22	28900	25400	27100	27200	20500	23400	34500	18300	22900	17700	7470	10600
23	31600	26000	29100	26500	22400	24100	28600	18400	23800	13100	4070	7130
24	38800	30700	33800	27900	26400	27200	28900	18700	23800	10300	2500	4850
25	32600	32000	32300	29900	24900	26500	27500	13400	19900	12300	3280	7930
26	34800	29600	32600	30100	25900	26900	25600	15600	22200	18000	7540	10300
27	29600	26000	27200	29300	24900	26200	23400	10100	16400	14000	1680	4730
28	29700	26700	28100	34200	27700	29200	26100	12300	18300	10500	1950	5810
29	30100	28000	29400	34300	27800	30000	24800	7710	13300	10700	3550	6570
30	30100	27200	29000	29600	21800	24600	19600	8360	12000	11900	1820	5090
31	33700	29900	31000	---	---	---	15500	10000	12700	8900	6130	7320
MONTH	38800	18200	28500	34300	14100	24900	34500	7710	19100	24800	1680	9110

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	15100	7320	11700	5750	2860	4250	23200	16500	18900	---	---	---
2	15700	7310	11100	7620	2950	3830	22100	17300	19500	---	---	---
3	11100	2260	5290	7250	1600	3110	22800	16400	19900	---	---	---
4	12700	1740	4950	16000	2450	7410	16400	10900	12700	---	---	---
5	7690	1850	3800	23700	8000	12700	14800	7960	11800	---	---	---
6	6960	1310	2490	21300	6980	11700	18600	11800	14000	---	---	---
7	10800	1240	3900	21000	8000	12000	21500	15900	16900	---	---	---
8	9960	2640	5080	23200	6860	14400	16400	15100	15600	---	---	---
9	9960	3600	5810	6860	3160	4090	15100	5240	9990	---	---	---
10	13000	5330	7870	3450	1890	2610	6740	4150	4830	---	---	---
11	17600	4250	9810	2720	1310	2080	11000	4280	6200	---	---	---
12	7850	2950	4760	3760	1480	2330	8750	6310	7190	---	---	---
13	10300	3910	6640	9300	2940	4490	19700	8360	16200	---	---	---
14	10100	4620	6830	6760	2790	4560	18200	16200	17000	---	---	---
15	15100	8970	12000	10500	4340	7800	25900	16400	19800	17700	11300	14700
16	---	---	---	21400	6960	12100	32300	21000	26000	14700	6910	10600
17	---	---	---	23300	11300	17000	27500	22000	24200	16400	5040	10500
18	---	---	---	23800	14500	18100	26700	14000	20900	17400	5560	10000
19	---	---	---	20500	11600	16200	16000	12300	13700	18000	8660	13600
20	---	---	---	14400	6520	9550	14200	8520	10400	15700	7900	12100
21	---	---	---	9740	3330	4980	19300	8700	10900	17100	8850	11600
22	---	---	---	12600	4180	6590	12800	2690	5090	19600	7070	11800
23	---	---	---	12100	5000	7710	4330	2720	3320	21200	7470	14500
24	5350	1880	3400	10800	4360	7710	9300	3450	5450	19000	7430	13500
25	7740	3510	5240	11000	7050	7990	9680	8890	9310	20400	7430	14500
26	12200	6950	9910	9710	7890	8860	10600	9150	9970	19000	10000	14100
27	12500	8050	9760	17800	9450	14700	23700	5440	14000	17900	8900	12700
28	14500	4600	8670	14900	9980	12700	22300	15000	18000	18700	10300	14700
29	---	---	---	18700	10700	14000	19100	8680	13400	17100	10600	14200
30	---	---	---	23700	12200	18600	9130	4120	8200	13400	7640	10600
31	---	---	---	26000	18500	23000	---	---	---	11600	5890	8020
MONTH	---	---	---	26000	1310	9590	32300	2690	13400	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	7630	4790	5740	10000	6620	8460	18900	5050	11100	---	---	---
2	8270	3410	5320	12300	6380	8760	16200	6290	10800	---	---	---
3	10600	3240	5620	14000	6380	9780	---	---	---	32000	15300	25200
4	13600	6390	9870	13500	6080	9460	---	---	---	31300	21400	25900
5	11300	7810	10300	13100	5330	8680	---	---	---	25100	18300	22700
6	8980	4180	7390	9100	4100	6590	---	---	---	28800	19200	22600
7	10100	3490	6760	17400	4090	10800	---	---	---	27900	18600	22500
8	13300	5800	10500	17000	7570	11700	---	---	---	27600	19500	23200
9	14300	10300	12600	18300	6230	12200	---	---	---	24500	16200	20600
10	14700	10400	12600	12100	4320	8350	---	---	---	29600	15000	20400
11	14600	9850	12300	18100	3610	8720	---	---	---	27800	18200	23300
12	14300	8120	11500	12900	3670	7680	---	---	---	25700	18900	23000
13	10300	4820	8290	15900	3830	9460	---	---	---	22100	14800	18900
14	19500	4440	11000	9990	4600	6820	---	---	---	20500	14800	17800
15	13500	6820	9020	8810	2990	5480	---	---	---	19200	12800	16800
16	9760	3330	5900	6040	2020	3980	---	---	---	19000	12200	16200
17	9690	5230	7100	4870	1520	2310	---	---	---	20000	13900	17500
18	10200	6290	8320	9570	1450	4970	---	---	---	26500	17300	20700
19	7820	4250	6740	10400	3360	6410	---	---	---	21500	17000	18800
20	9160	2750	5300	13700	4300	7910	---	---	---	22000	15500	18400
21	11200	2770	6160	14600	4970	9090	---	---	---	20200	13200	17400
22	9040	4080	6170	15000	6760	10400	---	---	---	17400	10900	14100
23	9300	4030	6460	12700	6670	9890	---	---	---	14600	8330	11800
24	9520	4900	6920	14100	6840	10400	---	---	---	17400	9890	14100
25	16200	5420	10200	12500	7410	9980	---	---	---	19300	11100	15700
26	27000	10900	16500	11400	6300	8650	---	---	---	23200	11100	18100
27	20100	14500	16900	10100	6090	8090	---	---	---	21300	10000	16400
28	17800	13200	16100	11300	6520	9030	---	---	---	32500	12400	19600
29	13200	10600	12000	11500	7740	9230	---	---	---	15000	10300	12200
30	11400	9560	10700	17500	7360	12000	---	---	---	19800	10300	14400
31	---	---	---	19700	5360	11500	---	---	---	---	---	---
MONTH	27000	2750	9340	19700	1450	8610	---	---	---	32500	8330	18900

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	29.6	26.9	28.1	21.9	19.3	20.5	17.8	15.8	16.9	12.2	8.4	10.4
2	27.9	25.5	26.9	20.8	19.1	20.1	18.1	16.0	17.2	13.4	9.9	11.8
3	27.5	24.6	26.3	19.1	17.7	18.4	18.9	16.9	17.9	15.3	12.4	13.9
4	27.3	24.8	26.2	19.5	15.9	17.9	18.1	15.6	17.1	17.2	15.0	16.2
5	27.9	25.6	26.7	18.5	17.0	17.8	16.3	13.9	15.0	17.8	17.1	17.5
6	28.4	26.1	27.3	19.4	16.5	18.1	14.2	12.4	13.5	18.5	17.7	18.1
7	27.9	26.4	27.1	17.2	14.8	15.7	13.1	11.1	11.8	18.8	17.4	18.3
8	27.4	26.1	26.8	16.3	14.2	15.2	13.3	11.2	12.1	17.4	14.2	15.6
9	28.2	26.6	27.2	17.1	14.4	15.6	15.3	13.2	14.3	14.5	12.4	13.7
10	27.7	26.5	27.0	15.9	15.2	15.5	17.0	15.2	16.0	15.1	12.9	14.0
11	27.4	26.3	26.7	15.4	15.0	15.3	15.2	10.8	12.9	16.1	13.4	14.8
12	27.0	25.8	26.3	15.9	15.3	15.6	11.5	8.8	9.7	16.7	14.8	15.8
13	26.5	25.0	26.1	17.3	15.7	16.4	8.8	7.9	8.4	17.3	16.1	16.8
14	25.0	20.3	22.2	17.8	16.0	16.9	8.1	6.7	7.3	16.9	16.7	16.8
15	20.3	17.5	19.2	17.1	15.3	16.3	9.2	6.3	7.6	16.8	14.6	16.3
16	19.6	17.5	18.6	15.3	12.9	14.0	10.8	6.8	8.6	14.9	13.0	14.1
17	19.3	17.0	18.3	13.8	11.1	12.5	12.0	8.2	10.0	16.0	13.8	14.7
18	19.3	17.3	18.3	13.2	11.7	12.5	13.7	9.8	11.5	16.7	15.0	15.8
19	20.2	17.3	18.7	13.4	12.6	13.0	14.5	11.1	12.9	17.1	15.2	16.1
20	21.8	18.6	20.1	15.8	13.1	14.4	14.7	13.0	14.0	15.6	13.9	14.8
21	23.1	19.7	21.4	17.4	14.5	16.1	15.5	14.2	14.9	16.2	14.8	15.5
22	23.2	21.0	22.0	18.8	17.2	18.0	16.1	14.8	15.3	16.6	16.2	16.4
23	22.5	21.3	22.0	18.5	17.0	17.6	16.6	15.7	16.2	16.3	14.2	15.2
24	23.6	21.8	22.6	17.3	15.5	16.5	16.9	15.9	16.5	14.3	12.4	13.6
25	24.9	23.3	24.0	17.3	15.7	16.5	16.8	15.1	16.0	14.3	12.4	13.5
26	24.6	21.0	23.6	18.4	16.0	17.2	15.8	14.0	15.0	14.1	13.3	13.7
27	21.0	17.1	19.3	19.4	17.5	18.3	14.0	11.7	12.6	13.5	12.2	12.7
28	17.1	15.7	16.6	19.9	17.7	18.8	12.1	10.5	11.0	13.6	11.5	12.6
29	16.8	16.0	16.5	20.5	19.2	19.9	10.5	8.3	9.3	14.8	12.3	13.5
30	18.5	16.2	17.4	19.6	17.3	18.5	11.2	8.0	9.5	16.2	13.6	14.7
31	20.1	17.7	18.9	---	---	---	12.1	9.0	10.4	16.0	14.1	15.0
MONTH	29.6	15.7	22.9	21.9	11.1	16.6	18.9	6.3	12.9	18.8	8.4	14.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	16.5	14.5	15.6	17.9	16.1	16.9	22.9	21.1	22.0	24.5	22.2	23.1
2	16.5	15.0	15.9	16.7	14.6	15.6	23.6	21.8	22.7	24.9	22.9	23.9
3	15.1	14.0	14.6	16.3	13.6	14.9	24.4	23.1	23.6	26.0	23.6	24.7
4	14.8	12.8	13.8	16.5	14.2	15.3	23.6	21.3	22.5	27.0	24.7	25.7
5	13.8	12.6	13.1	17.3	16.3	16.7	22.4	19.3	20.9	27.4	25.4	26.3
6	13.4	11.7	12.6	18.5	17.2	17.9	22.1	20.4	21.2	27.7	25.8	26.6
7	13.4	11.2	12.4	19.8	18.2	18.9	22.9	20.9	21.8	27.6	26.3	26.9
8	14.0	11.8	12.8	19.7	16.6	19.0	23.6	22.6	23.0	29.1	26.5	27.4
9	14.7	13.1	14.0	16.6	12.8	14.0	23.1	21.5	22.2	28.2	26.5	27.5
10	16.6	13.9	15.2	13.9	11.1	12.5	22.1	19.7	20.9	28.0	26.5	27.2
11	16.2	15.0	15.6	12.6	9.8	11.3	21.4	18.5	20.1	28.8	25.6	26.7
12	16.6	14.5	15.6	12.5	9.5	11.0	21.9	19.5	20.8	28.7	26.4	27.3
13	17.4	15.0	16.1	13.0	10.1	11.6	22.8	20.6	21.6	28.0	26.0	26.9
14	16.9	15.5	16.0	14.4	12.0	13.0	24.1	21.8	22.8	27.8	26.2	26.8
15	15.5	14.7	15.0	16.6	13.4	15.0	24.7	22.6	23.6	28.1	26.1	26.9
16	14.9	14.6	14.7	18.1	15.8	16.9	25.1	23.7	24.3	28.9	26.5	27.6
17	15.7	14.1	14.7	19.0	17.8	18.3	24.7	24.0	24.3	29.4	26.8	27.9
18	16.1	13.9	14.8	19.0	18.5	18.7	24.7	22.8	24.0	29.1	27.2	28.2
19	14.9	14.4	14.7	19.8	18.6	18.9	22.8	21.1	22.0	29.8	28.2	28.9
20	15.8	14.0	14.8	18.8	15.7	17.0	22.5	19.6	21.1	30.4	28.8	29.6
21	16.5	14.3	15.5	16.1	13.6	15.1	24.0	20.9	22.1	29.8	28.2	29.1
22	16.7	15.1	15.9	16.7	13.9	15.4	22.4	20.2	21.2	29.1	27.7	28.4
23	16.4	13.7	15.2	17.0	15.1	16.2	22.2	19.5	20.7	29.4	27.8	28.2
24	17.2	14.4	15.8	18.9	16.3	17.6	22.9	20.0	21.4	29.4	27.4	28.3
25	18.5	15.6	17.0	20.8	17.8	19.3	22.5	21.3	21.7	29.5	27.6	28.4
26	18.4	16.9	17.7	22.3	19.5	20.9	23.2	20.8	21.7	30.2	27.9	28.9
27	19.2	17.0	17.9	22.4	20.6	21.5	23.7	22.1	22.8	31.0	28.4	29.5
28	19.4	16.8	18.0	24.7	21.5	22.9	23.5	22.2	23.1	31.0	29.0	29.8
29	---	---	---	24.8	23.1	23.8	22.2	21.1	21.7	31.2	29.1	30.0
30	---	---	---	25.1	23.4	24.1	23.1	21.3	22.1	31.8	29.6	30.6
31	---	---	---	24.1	22.3	23.6	---	---	---	31.7	30.0	30.7
MONTH	19.4	11.2	15.2	25.1	9.5	17.2	25.1	18.5	22.1	31.8	22.2	27.7

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	32.0	29.9	30.8	32.2	29.3	30.7	33.2	31.4	32.3	---	---	---
2	31.1	29.6	30.3	30.8	29.5	30.0	32.6	30.1	31.7	---	---	---
3	31.5	29.5	30.1	31.1	29.1	30.0	31.6	30.0	30.6	29.5	27.4	28.3
4	30.6	28.8	29.7	32.0	29.7	30.7	31.3	29.6	30.2	30.6	28.6	29.3
5	30.7	28.9	29.7	32.9	30.3	31.5	32.5	29.7	30.8	29.4	28.3	28.8
6	30.2	27.8	28.7	33.2	30.7	31.9	31.9	30.3	31.1	28.3	27.6	28.0
7	27.8	25.9	26.8	33.9	31.5	32.4	32.9	30.6	31.5	27.6	26.9	27.3
8	28.5	26.0	27.1	33.6	31.8	32.5	33.2	31.0	31.8	26.9	26.3	26.6
9	30.3	27.6	28.6	33.4	31.1	32.1	32.9	31.6	32.1	26.3	25.7	26.1
10	31.3	28.4	29.4	32.7	30.5	31.5	33.1	31.2	32.2	25.7	24.9	25.2
11	31.1	28.8	29.8	32.1	30.2	31.1	33.4	31.5	32.4	25.1	24.7	24.9
12	31.3	29.0	30.0	32.2	30.0	30.9	34.2	31.3	32.5	26.2	25.1	25.5
13	31.4	29.2	29.9	32.0	29.7	30.7	33.4	31.4	32.3	26.6	25.7	26.1
14	30.7	28.9	29.8	30.6	29.0	29.8	31.8	29.9	30.8	28.0	26.2	26.9
15	30.4	28.6	29.5	31.1	28.8	29.8	30.6	29.2	29.9	28.5	26.9	27.6
16	31.3	28.9	29.8	31.7	29.3	30.5	30.9	28.9	29.9	28.8	27.3	27.9
17	31.3	29.2	30.2	32.1	29.7	30.8	31.9	30.0	30.8	27.9	27.1	27.5
18	32.0	29.5	30.7	33.0	30.3	31.3	31.9	29.9	31.0	28.9	27.0	27.7
19	32.7	30.1	31.3	33.2	30.9	32.0	31.5	29.3	30.3	28.3	27.6	27.9
20	32.9	30.4	31.4	32.6	31.2	32.0	30.9	29.4	30.1	29.2	27.4	28.1
21	32.7	30.5	31.5	32.1	30.8	31.4	29.4	28.2	28.8	29.5	28.2	28.7
22	33.8	30.6	31.7	32.2	30.1	31.0	29.4	27.4	28.3	30.6	28.4	29.3
23	32.9	30.9	31.8	31.9	30.4	30.9	30.8	28.3	29.3	31.0	28.7	29.8
24	33.3	30.9	31.7	31.1	30.0	30.5	31.3	29.3	30.0	30.7	28.8	29.6
25	31.6	28.9	30.5	32.8	29.7	30.5	32.5	29.6	30.9	30.1	28.4	29.2
26	29.0	27.5	28.1	31.3	30.0	30.5	---	---	---	29.7	27.9	28.9
27	27.5	26.6	27.0	30.9	29.7	30.2	---	---	---	28.8	27.0	27.9
28	28.4	26.6	27.4	32.3	29.4	30.8	---	---	---	27.3	26.3	26.8
29	30.7	27.6	28.7	32.2	30.0	31.2	---	---	---	27.4	25.8	26.6
30	31.1	28.5	29.8	32.2	30.5	31.4	---	---	---	28.2	26.4	27.3
31	---	---	---	32.8	30.8	31.8	---	---	---	---	---	---
MONTH	33.8	25.9	29.7	33.9	28.8	31.0	34.2	27.4	30.9	31.0	24.7	27.6

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA

LOCATION.--Lat 30°26'33", long 91°27'06", in sec. 27, T. 7 S., R. 10 E., St. Helena Meridian, Iberville Parish, Hydrologic Unit 08070300, on downstream side of bridge on Highway 76, in the Town of Rosedale, 2.1 mi north of Interstate 10, 2.5 mi north of Grosse Tete.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to current year. Prior to Oct. 1, 1983, gage heights only, in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is sea level. Reverse flow at times during the year.

REMARKS.--No estimated daily discharges. Records fair. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 5,170 ft³/s, Feb. 19, 1988, maximum elevation 12.11 ft, Oct. 27, 1983; maximum negative discharge, -280 ft³/s, June 16, 1985, no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge, 1,610 ft³/s, Jan. 13; maximum elevation, 11.30 ft, Jan. 13; maximum negative daily discharge, -4.0 ft³/s, June 25, minimum elevation, 0.18 ft, Dec. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	5.6	90	53	596	993	141	988	24	17	14	11
2	9.7	15	43	37	460	883	113	832	23	12	12	12
3	7.0	14	33	36	372	745	90	659	22	13	6.9	8.3
4	7.4	11	54	42	299	576	69	513	20	12	9.2	7.3
5	6.7	7.8	51	624	160	449	64	358	23	13	1.6	11
6	5.7	9.5	24	1150	76	376	66	260	25	5.8	12	12
7	6.7	12	18	1230	73	267	65	103	25	7.8	21	12
8	5.8	9.1	24	1360	67	354	62	67	21	7.9	14	10
9	3.8	8.6	76	1250	58	327	57	57	22	6.7	9.9	11
10	6.9	9.6	59	1240	66	170	49	66	22	5.9	7.3	16
11	11	13	35	1200	341	96	47	50	21	20	3.8	91
12	2.1	26	21	1490	359	73	45	48	20	14	6.9	560
13	22	64	16	1610	202	64	43	40	17	10	9.0	505
14	31	35	13	1530	123	57	52	46	18	2.6	12	345
15	22	27	12	1440	212	55	54	44	18	15	13	271
16	15	18	11	1040	1010	79	56	42	18	4.2	9.2	126
17	13	12	15	1230	1180	630	65	38	16	16	8.8	89
18	5.8	13	9.8	1180	1110	781	567	42	16	9.5	11	72
19	9.3	12	7.0	1090	1010	646	978	39	16	7.4	10	68
20	12	14	11	1010	958	528	873	34	14	5.0	8.6	66
21	13	23	72	913	769	349	720	36	6.6	4.8	10	51
22	17	322	325	1160	985	237	583	32	6.6	6.4	8.5	44
23	12	219	262	1180	1140	165	412	33	11	10	6.1	43
24	12	73	393	1150	1100	93	285	29	7.8	18	4.7	32
25	14	25	349	1040	992	70	228	28	-4.0	23	3.6	24
26	78	13	284	1140	1030	60	118	27	20	20	11	18
27	123	14	371	1020	1260	55	48	24	12	16	12	16
28	36	28	215	954	1090	55	767	30	14	12	7.0	23
29	15	137	186	885	---	53	1190	179	13	7.1	8.9	11
30	12	200	128	804	---	55	1070	58	12	8.5	11	12
31	12	---	85	688	---	65	---	26	---	8.8	9.9	---
TOTAL	556.9	1390.2	3292.8	30776	17098	9406	8977	4828	500.0	339.4	292.9	2577.6
MEAN	18.0	46.3	106	993	611	303	299	156	16.7	10.9	9.45	85.9

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.63	.83	1.54	2.45	7.67	9.14	3.00	8.30	2.32	1.83	1.34	.99
2	.52	.99	1.12	2.14	7.06	8.75	2.81	7.66	2.28	1.70	1.05	.99
3	.49	.80	1.07	2.02	6.48	8.21	2.67	6.78	2.24	1.62	.89	1.13
4	.51	.58	1.09	1.98	5.96	7.46	2.57	5.79	2.19	1.59	.90	1.35
5	.55	.43	.97	5.07	5.03	6.63	2.50	5.01	2.16	1.56	1.02	1.35
6	.61	.48	.68	8.47	4.46	5.87	2.43	4.39	2.20	1.56	1.30	1.31
7	.77	.43	.54	10.55	4.24	5.62	2.38	3.32	2.17	1.73	1.48	1.37
8	.92	.29	.54	10.80	4.04	6.51	2.34	2.98	2.10	1.79	1.31	1.25
9	1.11	.37	1.20	10.59	3.86	6.01	2.30	2.87	2.04	1.75	1.11	1.16
10	1.27	.67	1.21	10.30	3.79	5.02	2.26	2.75	1.96	1.93	1.05	1.23
11	1.30	.74	.91	10.00	4.84	4.39	2.19	2.64	1.89	1.94	1.23	2.38
12	1.37	1.01	.63	10.74	4.84	4.10	2.17	2.54	1.85	1.69	1.29	6.40
13	1.58	1.38	.55	11.29	4.15	3.92	2.15	2.46	1.79	1.55	1.29	6.82
14	1.46	1.32	.49	11.16	3.79	3.74	2.15	2.41	1.74	1.70	1.24	5.46
15	1.18	1.18	.45	11.13	3.95	3.60	2.15	2.41	1.70	1.71	1.24	4.22
16	.96	.96	.63	10.85	7.82	3.53	2.18	2.39	1.64	1.86	1.13	3.20
17	.84	.68	.58	10.49	9.36	7.20	2.19	2.37	1.59	1.89	1.41	2.79
18	.75	.58	.26	10.17	9.12	8.57	4.01	2.31	1.56	1.69	1.43	2.59
19	.96	.74	.49	9.84	8.68	8.28	6.79	2.28	1.53	1.60	1.32	2.43
20	.91	.75	.40	9.51	8.18	7.65	7.02	2.27	1.51	1.53	1.30	2.31
21	.94	1.10	1.58	9.16	7.56	6.78	6.30	2.28	1.60	1.60	1.29	2.14
22	.81	3.38	3.65	10.14	8.34	5.85	5.33	2.28	1.68	1.66	1.22	1.97
23	.56	2.69	2.84	10.56	9.50	4.56	4.33	2.30	1.66	1.76	1.24	1.79
24	.73	1.36	6.32	10.29	9.22	3.72	3.59	2.31	1.62	1.70	1.36	1.56
25	1.06	1.08	7.48	9.96	8.83	3.49	3.22	2.33	1.63	1.78	1.49	1.34
26	1.54	1.05	6.28	9.75	8.72	3.31	2.58	2.32	1.87	1.71	1.56	1.23
27	1.70	1.00	6.90	9.75	9.52	3.17	2.15	2.30	1.72	1.54	1.44	1.11
28	1.14	1.00	7.27	9.50	9.42	3.03	5.59	2.30	1.73	1.47	1.30	1.09
29	.78	2.20	6.48	9.18	---	2.90	8.88	2.89	1.72	1.50	1.22	.79
30	.77	2.31	5.19	8.80	---	2.82	8.75	2.66	2.00	1.46	1.13	.73
31	.70	---	3.44	8.29	---	2.79	---	2.38	---	1.40	1.00	---
MAX	1.70	3.38	7.48	11.29	9.52	9.14	8.88	8.30	2.32	1.94	1.56	6.82
MIN	.49	.29	.26	1.98	3.79	2.79	2.15	2.27	1.51	1.40	.89	.73

MISSISSIPPI RIVER DELTA

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA

LOCATION.--Lat 29°40'06", long 91°05'59", sec. 23, T. 16 S., R. 13 E., Louisiana Meridian, St. Mary Parish, Hydrologic Unit 08090302, at Southern Pacific Transportation Co. railroad bridge, and approximately 300 ft upstream of U.S. Corps of Engineers water-level gage nr Amelia.

DRAINAGE AREA.--Indetermined.

PERIOD OF RECORD.--March 1997 (elevations only); March 1997 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is NAVD 1988.

REMARKS.--Records poor. Discharge and elevation affected by tide at all stages. Satellite telemetry at station. No velocity record: July 6-28.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 26,800 ft³/s, Apr. 13, 1997; maximum elevation, 4.24 ft, Apr. 11, 1997; maximum negative discharge -20,200 ft³/s, Apr. 5, 1997; minimum elevation, 0.14 ft, Dec. 12, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 25,200 ft³/s, Feb. 3; maximum elevation, 3.62 ft, Sept. 12; maximum negative discharge, -17,500 ft³/s, Feb. 10; minimum elevation, 0.14 ft, Dec. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5600	439	9560	2520	8380	10800	7080	4090	6270	5880	4900	572
2	1840	6950	3270	1820	14500	9700	2100	4480	4230	1690	2940	1560
3	-423	6590	1080	710	20800	10600	1280	5260	4210	1650	-1490	-3370
4	327	4320	11400	1640	13100	4230	11200	8900	-908	1820	-332	-1910
5	486	-1530	8100	5550	13500	5480	7660	2390	2290	3830	2120	2280
6	698	5130	5450	6920	17400	4790	-383	-990	11000	---	1600	3960
7	-1690	7670	2980	7520	14200	-950	-511	833	12200	---	1240	-78
8	-4510	-460	-5520	10100	12400	6200	989	4390	2850	---	1590	-1690
9	-806	-596	-2350	11900	11400	18400	7390	-1480	1000	---	2200	3710
10	38	-576	5100	11400	1400	19800	8010	5950	3030	---	2770	-4110
11	-2020	1420	11900	9780	5340	16200	2770	4730	2620	---	2240	-8350
12	-6030	1770	7870	5610	15100	15600	-1380	181	4310	---	2260	-4190
13	-1910	265	1470	7170	12700	8550	-3510	-715	8570	---	3840	9540
14	17000	6230	6280	7130	12100	9290	-972	-1390	2220	---	3290	12900
15	10500	7650	418	11300	7270	6270	-2020	-1270	1090	---	520	19100
16	5460	9160	293	13200	3820	1160	-4720	2170	3860	---	1850	18800
17	3350	3130	844	7760	-201	3240	6460	3650	4120	---	1820	16500
18	1660	-898	2640	7650	13000	6920	6800	3690	3290	---	2630	14600
19	1530	3380	2170	13600	13800	6210	8400	644	4440	---	1740	12900
20	3580	-210	1420	10600	12300	15500	3470	-351	3930	---	930	11200
21	4320	-4440	-5120	7760	9230	16200	4200	-1330	2680	---	-453	10800
22	6290	10800	5500	6530	6310	7990	8160	-1160	3640	---	-1370	13000
23	-2370	10100	2490	12900	13500	5450	6300	-1430	2970	---	1320	13300
24	-4400	1650	2190	10900	10400	4380	3620	-513	2390	---	2690	9890
25	-1980	2290	7740	7220	3610	2600	-1350	-765	526	---	4260	7680
26	7600	1760	4090	6080	254	287	-2330	-353	-5510	---	5340	3210
27	12100	240	10700	12200	6130	-2050	-1390	636	-5080	---	5750	7650
28	146	-4090	1700	10700	5210	2690	188	315	-816	---	4940	1810
29	-479	3710	8710	11000	---	-625	-1860	1560	5690	4330	923	4920
30	2540	10800	6970	13700	---	-3160	5950	3410	6580	4400	1630	4880
31	-1430	---	---	5720	12600	---	-1490	---	4940	---	5630	259---
TOTAL	57017	92654	125065	265470	276953	210262	81601	50472	97692	---	63947	181064
MEAN	1839	3088	4034	8564	9891	6783	2720	1628	3256	---	2063	6035

MISSISSIPPI RIVER DELTA

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.90	1.47	1.12	.81	2.82	2.60	2.95	3.01	2.96	2.29	1.64	1.90
2	.88	1.20	1.13	.93	2.84	2.54	2.94	3.01	2.88	2.30	1.57	1.98
3	1.02	1.02	1.25	1.08	2.71	2.46	2.99	2.99	2.82	2.31	1.68	2.14
4	1.13	.69	1.01	1.24	2.60	2.46	2.90	2.96	2.84	2.33	1.79	2.24
5	1.22	.97	.68	1.63	2.53	2.57	2.80	2.93	2.86	2.30	1.80	2.11
6	1.29	.97	.54	1.81	2.40	2.63	2.83	2.99	2.79	2.22	1.76	1.96
7	1.45	.46	.48	2.21	2.32	2.80	2.89	3.04	2.61	2.20	1.84	1.99
8	1.75	.53	.80	2.11	2.28	3.15	2.91	3.04	2.60	2.22	1.85	2.17
9	1.87	.72	1.11	1.97	2.22	2.94	2.90	3.04	2.67	2.25	1.83	2.11
10	1.88	.87	1.25	1.91	2.18	2.68	2.76	3.12	2.64	2.23	1.77	2.31
11	1.95	.89	.76	1.89	2.55	2.57	2.71	3.01	2.58	2.17	1.75	2.81
12	2.11	1.18	.50	1.99	2.25	2.49	2.70	3.02	2.51	2.14	1.75	3.41
13	2.25	1.50	.59	2.11	2.20	2.55	2.76	3.05	2.38	2.16	1.68	3.35
14	1.80	1.38	.49	2.37	2.09	2.52	2.81	3.07	2.33	2.23	1.64	3.25
15	1.38	1.16	.44	2.55	2.24	2.49	2.81	3.11	2.39	2.23	1.71	3.01
16	1.28	.72	.58	2.33	2.47	2.49	2.89	3.11	2.35	2.21	1.74	2.75
17	1.19	.60	.69	2.34	2.70	2.76	2.96	3.10	2.26	2.15	1.76	2.60
18	1.27	.81	.72	2.37	2.51	2.83	2.89	3.08	2.26	2.10	1.73	2.53
19	1.33	.93	.71	2.36	2.40	2.89	2.81	3.07	2.23	2.07	1.78	2.51
20	1.32	1.09	.76	2.43	2.35	2.80	2.75	3.06	2.16	2.08	1.81	2.44
21	1.24	1.31	1.07	2.53	2.31	2.60	2.77	3.05	2.10	2.09	1.93	2.33
22	1.12	1.27	1.13	2.77	2.60	2.60	2.66	3.06	2.07	2.14	2.12	2.10
23	1.12	.95	1.20	2.72	2.46	2.63	2.59	3.07	2.05	2.14	2.18	1.88
24	1.54	.97	1.48	2.70	2.41	2.65	2.55	3.09	2.04	2.12	2.13	1.77
25	1.63	.93	1.31	2.73	2.46	2.67	2.55	3.11	2.06	2.09	2.03	1.70
26	1.69	1.03	1.33	2.84	2.59	2.68	2.62	3.14	2.38	2.03	1.96	1.79
27	1.09	1.02	1.16	2.84	2.69	2.73	2.68	3.14	2.52	1.95	1.80	1.75
28	1.00	1.24	1.12	2.83	2.70	2.81	2.85	3.14	2.57	1.92	1.61	2.00
29	1.21	1.63	1.22	2.86	---	2.81	3.05	3.14	2.44	1.88	1.65	1.68
30	1.13	1.47	.84	2.81	---	2.82	3.09	3.10	2.37	1.82	1.71	1.41
31	1.33	---	.83	2.77	---	2.96	---	3.03	---	1.73	1.79	---
MAX	2.25	1.63	1.48	2.86	2.84	3.15	3.09	3.14	2.96	2.33	2.18	3.41
MIN	.88	.46	.44	.81	2.09	2.46	2.55	2.93	2.04	1.73	1.57	1.41

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA

(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW 1/4 NW 1/4 sec. 26, T. 4 S., R. 7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080101, at bridge on Texas and Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 mi².

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1979 to September 1981.

WATER TEMPERATURES: May 1979 to September 1981.

REMARKS.--All dissolved constituents are results from water that has be filtered through Gelmar capsule filters.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 632 micromhos Oct. 8, 1981; minimum daily, 207 micromhos May 21, 1980.

WATER TEMPERATURES: Maximum daily, 32.0 °C July 23, 24, 1981; minimum daily, 5.5 °C Feb. 7, 1980, Jan. 22, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 5.0 °C was observed on Jan. 30, 1985. A specific conductance of 177 microsiemens was observed on Feb. 1, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)
NOV 18...	1050	107000	497	8.05	11.6	5	16	<1.0	11.7	.2	240
DEC 15...	1130	131000	460	7.21	8.5	10	30	<1.0	11.4	2.8	750
JAN 29...	1050	343000	339	7.54	6.5	50	65	<1.0	9.8	1.7	--
FEB 24...	1045	391000	294	7.43	11.0	40	56	<1.0	10.0	2.3	1100
MAR 19...	1045	351000	--	7.47	11.5	40	51	<1.0	9.7	.8	830
MAY 01...	1030	356000	361	7.77	17.5	10	31	<1.0	8.4	1.4	K380
12...	1045	403000	374	7.69	20.0	10	33	<1.0	8.1	1.3	620
27...	1030	401000	337	7.71	30.0	15	18	<1.0	7.7	1.5	260
JUN 10...	1000	205000	404	8.00	26.0	5	50	<1.0	6.1	.8	K130
24...	1045	267000	361	7.86	26.5	10	53	<1.0	7.4	1.4	330
JUL 08...	1030	315000	359	7.93	26.5	10	52	<1.0	6.5	.1	160
29...	1130	172000	373	8.11	28.0	10	62	<1.0	7.4	1.6	500
AUG 20...	1230	149000	353	8.04	29.0	10	26	<1.0	8.2	2.2	K110
SEP 22...	1100	74000	514	7.80	28.0	15	21	<1.0	5.7	1.2	K79

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

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

MISSISSIPPI RIVER DELTA
07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 18...	K43	230	150	38	13	34	3.3	107	76	32	.2
DEC 15...	82	K52	140	37	12	37	3.4	87	74	39	.2
JAN 29...	--	--	100	27	7.7	26	2.8	45	50	35	.1
FEB 24...	170	280	92	25	7.2	19	2.6	61	36	23	<.1
MAR 19...	170	220	92	25	7.3	15	2.3	63	28	18	.1
MAY 01...	170	K37	140	37	11	16	3.4	96	37	18	.1
12...	K32	K27	150	39	12	16	3.0	97	47	20	.2
27...	K17	K12	140	37	12	13	2.8	97	39	15	.1
JUN 10...	K12	K10	160	41	13	19	3.4	108	49	23	.2
24...	K44	K18	150	39	12	13	3.1	105	43	14	.2
JUL 08...	100	K17	130	36	11	11	3.3	111	33	14	.2
29...	K16	K21	150	40	12	13	3.8	124	33	16	.2
AUG 20...	70	K12	130	34	11	17	3.7	99	34	18	.2
SEP 22...	K9	K7	160	40	14	41	4.2	112	61	50	.2
DATE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
NOV 18...	6.5	285	272	<.01	.80	<.02	.3	.2	.10	.05	.06
DEC 15...	6.5	293	264	<.01	.75	<.02	.5	.3	.12	.04	.05
JAN 29...	6.7	213	190	.01	.59	.03	.7	.3	.23	.02	.03
FEB 24...	6.1	172	157	<.01	.70	.03	.5	.3	.14	.03	.03
MAR 19...	6.2	154	145	.02	.85	.03	.6	.3	.15	.06	.03
MAY 01...	6.3	197	195	.02	1.7	.02	.5	.2	.17	.04	.05
12...	6.1	222	205	.02	1.9	.04	.4	.5	.14	.04	.06
27...	5.9	200	183	.02	1.6	.05	.5	.3	.14	.10	.05
JUN 10...	6.2	245	229	.01	2.0	.02	.6	.3	.20	.07	.09
24...	6.8	217	202	<.01	2.2	<.02	.6	.3	.25	.08	.09
JUL 08...	6.9	226	192	<.01	2.6	.05	.7	.2	.23	.09	.10
29...	8.1	230	210	<.01	2.0	.03	.6	.2	.27	.10	.10
AUG 20...	6.8	208	196	<.01	1.3	.06	.4	.3	.15	.07	.08
SEP 22...	6.5	309	287	.03	.69	<.02	.5	.3	.15	.08	.07

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

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

MISSISSIPPI RIVER DELTA
07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
NOV 18...	3	<1	1	60	<1	60	<1	<1	<1	2	<3	<1
DEC 15...	2	<1	<1	64	<1	63	<1	1	<1	2	12	<1
JAN 29...	--	<1	1	63	<1	40	<1	1	<1	2	--	<1
FEB 24...	6	<1	<1	47	<1	27	<1	1	<1	2	35	<1
MAR 19...	5	<1	<1	45	<1	27	<1	<1	<1	1	35	<1
MAY 01...	3	<1	1	58	<1	32	<1	2	<1	2	<10	<1
12...	2	<1	1	60	<1	34	<1	1	<1	2	<10	<1
27...	2	<1	1	57	<1	31	<1	3	<1	2	<10	<1
JUN 10...	5	<1	1	63	<1	42	<1	1	<1	2	<10	<1
24...	4	<1	1	57	<1	40	<1	2	<1	2	<10	<1
JUL 08...	6	<1	2	52	<1	31	<1	<1	<1	2	<10	<1
29...	6	<1	2	61	<1	40	<1	1	<1	2	<10	<1
AUG 20...	4	<1	2	61	<1	46	<1	2	<1	2	<10	<1
SEP 22...	2	<1	2	84	<1	72	<1	<1	<1	1	<10	<1
DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
NOV 18...	13	3	2	1	<1	<1	250	<6	4	1	3.4	.7
DEC 15...	10	8	2	2	<1	<1	250	<10	1	1	4.2	1.0
JAN 29...	5	--	<1	1	<1	<1	200	<10	2	<1	6.0	2.7
FEB 24...	5	8	<1	3	<1	<1	160	<10	4	<1	4.5	2.4
MAR 19...	6	7	<1	1	<1	<1	140	<10	3	<1	3.9	.3
MAY 01...	4	3	1	2	<1	<1	180	<10	<1	1	4.1	1.2
12...	5	3	1	2	<1	<1	180	<10	2	1	3.9	1.4
27...	5	2	1	2	<1	<1	160	<10	<1	<1	3.8	1.1
JUN 10...	8	3	2	2	<1	<1	200	<10	1	1	3.8	3.3
24...	7	<1	2	1	<1	<1	160	<10	1	1	3.7	2.2
JUL 08...	5	<1	2	2	<1	<1	140	<10	11	<1	4.0	3.1
29...	7	4	2	2	<1	<1	150	<10	4	1	4.0	3.7
AUG 20...	7	<1	2	2	<1	<1	160	<10	<1	1	4.5	.8
SEP 22...	8	<1	2	1	<1	<1	280	<10	2	1	5.4	1.9

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

MISSISSIPPI RIVER DELTA
07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	PP' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
NOV 18...	<.007	<.002	.016	E.008	E.011	.009	<.003	<.002	<.006	<.004	<.004
DEC 15...	<.007	<.002	.019	E.008	E.022	.016	<.003	<.002	<.006	<.004	<.004
JAN 29...	<.007	<.002	.013	E.002	E.013	.009	<.003	<.002	<.006	<.004	<.004
FEB 24...	<.007	<.002	.015	<.018	E.013	.013	<.003	<.002	<.006	<.004	<.004
MAR 19...	<.007	<.002	.013	<.018	E.015	.058	<.003	<.002	<.006	<.004	<.004
MAY 01...	<.007	<.002	.072	E.007	E.022	.059	<.003	<.002	<.006	<.004	<.004
12...	<.007	<.002	.010	E.008	E.044	.136	<.003	<.002	<.006	<.004	<.004
27...	<.007	<.002	.150	E.010	E.108	.285	<.003	<.002	<.006	<.004	<.004
JUN 10...	<.007	<.002	.079	E.015	E.121	.183	<.003	<.002	<.006	<.004	<.004
24...	<.007	<.002	.098	E.016	E.212	.206	<.003	<.002	<.006	E.008	<.004
JUL 08...	<.007	<.002	.060	E.013	E.425	.116	<.003	<.002	<.006	<.004	<.004
29...	<.007	<.002	.034	E.015	E.114	.153	<.003	<.002	<.006	<.004	<.004
AUG 20...	<.007	<.002	.020	E.011	E.079	.069	<.003	<.002	<.006	<.004	<.004
SEP 22...	<.007	<.002	.020	E.008	E.042	.034	<.003	<.002	<.006	<.004	<.004
NOV 18...	<.001	.0422	<.005	<.004	E.004	.117	.005	.015	<.004	<.003	<.002
DEC 15...	<.001	.0270	<.005	<.004	.006	.080	.005	<.002	<.004	<.003	<.002
JAN 29...	<.001	.0268	<.005	<.004	<.002	.075	<.002	<.002	<.004	<.003	<.002
FEB 24...	<.001	.025	E.004	<.004	<.002	.058	<.002	<.002	<.004	<.003	<.002
MAR 19...	<.001	.223	<.005	<.004	<.002	.592	.015	<.002	<.004	<.003	<.002
MAY 01...	<.001	.214	<.005	<.004	.005	.732	.012	.054	.010	<.003	E.002
12...	<.001	.493	<.005	<.004	<.002	1.46	.022	.173	.013	<.003	E.002
27...	<.001	.857	<.005	<.004	E.003	1.84	.024	.215	.020	<.003	<.002
JUN 10...	<.001	1.36	.007	<.004	.004	.955	.044	.500	.045	<.003	<.002
24...	<.001	.821	<.005	<.004	.005	1.29	.052	.210	.031	<.003	.006
JUL 08...	<.001	1.15	<.005	<.004	.004	.774	.039	.204	.023	<.003	<.002
29...	<.001	.427	<.005	<.004	<.002	.924	.016	.048	.015	<.003	<.002
AUG 20...	<.001	.192	.011	<.004	<.002	.386	.007	.012	<.004	<.003	<.002
SEP 22...	<.001	.050	.006	<.004	<.002	.198	<.002	<.002	<.004	<.003	<.002

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E Estimated.

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
NOV 18...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004	<.003
DEC 15...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004	<.003
JAN 29...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.008	<.004	<.003
FEB 24...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.005	<.004	<.003
MAR 19...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.009	<.004	<.003
MAY 01...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.008	<.004	<.003
12...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.010	<.004	<.003
27...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.010	<.004	<.003
JUN 10...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	.090	<.003
24...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.014	E.003	<.003
JUL 08...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.010	E.002	<.003
29...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.010	.029	<.003
AUG 20...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	.016	<.003
SEP 22...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.008	<.004	<.003
DATE	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
NOV 18...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
DEC 15...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JAN 29...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
FEB 24...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
MAR 19...	<.002	E.055	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
MAY 01...	<.002	E.011	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
12...	<.002	E.015	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
27...	<.002	E.008	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JUN 10...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	.008	<.002
24...	<.002	E.008	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JUL 08...	<.002	E.007	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
29...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
AUG 20...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
SEP 22...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	E.006	<.002	<.002

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

MISSISSIPPI RIVER DELTA
07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
18...	<.004	<.003	<.013	<.001	<.005	2.0	<.10	58	16800	96
DEC										
15...	<.004	<.003	<.013	<.001	<.005	1.4	E.10	84	29700	94
JAN										
29...	<.004	<.003	<.013	<.001	<.005	1.5	<.10	354	328000	56
FEB										
24...	<.004	<.003	<.013	<.001	<.005	.5	<.10	328	346000	58
MAR										
19...	<.004	<.003	<.013	<.001	<.005	1.5	<.10	220	208000	52
MAY										
01...	.006	<.003	<.013	<.001	<.005	1.3	<.10	185	178000	70
12...	<.004	<.003	<.013	<.001	<.005	2	<.10	199	217000	46
27...	<.004	<.003	<.013	<.001	<.005	.7	<.10	157	170000	56
JUN										
10...	<.004	<.003	<.013	<.001	<.005	2.6	<.10	--	--	--
24...	<.004	<.003	<.013	<.001	<.005	1.0	<.10	157	113000	98
JUL										
08...	<.004	<.003	<.013	<.001	<.005	1.1	<.10	245	208000	86
29...	<.004	<.003	<.013	<.001	<.005	1.3	<.10	293	136000	96
AUG										
20...	<.004	<.003	<.013	<.001	<.005	1.6	<.10	83	33400	98
SEP										
22...	<.004	<.003	<.013	<.001	<.005	4.1	<.10	142	28400	98

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

MISSISSIPPI RIVER DELTA

07381515 ATCHAFALAYA RIVER AT BUTTE LA ROSE, LA

LOCATION.--Lat 30°16'53", long 91°41'12", in sec. 7, T. 9 S., R. 7 E., St. Martin Parish, Hydrologic Unit 08080101, on right bank in Butte La Rose.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 29, 1928 to Nov. 20, 1996, station maintained by U.S. Army Corps of Engineers, New Orleans District; Nov. 21, 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 27.28 ft, May 23, 1973, minimum recorded, 0.33 ft, Oct 17, 1976 (from U.S. Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 17.44 ft, May 17, 18; minimum recorded, 2.18 ft, Oct. 16.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.85	2.94	3.56	---	14.80	14.87	16.03	15.78	14.10	12.49	7.18	4.20
2	2.97	2.71	3.41	---	14.42	14.93	16.15	16.00	13.57	12.63	6.86	4.07
3	3.09	2.58	3.53	---	14.02	14.91	16.29	16.11	13.26	12.71	6.56	4.07
4	3.19	2.57	3.47	---	13.65	14.80	16.40	16.17	13.01	12.80	6.60	4.19
5	3.30	3.06	3.31	---	13.33	14.75	16.43	16.21	12.70	12.81	6.68	4.02
6	3.43	3.02	3.20	---	12.84	14.70	16.35	16.36	12.37	12.75	6.72	3.66
7	3.34	2.59	3.12	---	12.37	14.88	16.32	16.59	11.98	12.83	6.94	3.67
8	3.54	2.71	3.35	---	11.96	14.99	16.36	16.74	11.39	12.87	7.31	3.99
9	3.63	3.15	3.86	---	11.78	15.01	16.40	16.79	10.93	12.79	7.53	3.93
10	3.45	3.52	4.14	---	11.73	14.90	16.21	16.87	10.32	12.59	7.44	3.93
11	3.42	3.35	3.76	---	11.67	14.72	16.03	16.88	9.67	12.59	7.17	4.52
12	3.71	3.48	3.76	---	11.52	14.58	15.90	17.00	9.11	12.51	6.82	5.23
13	3.65	3.80	4.23	---	11.53	14.52	15.79	17.11	9.43	12.54	6.58	5.24
14	3.07	3.80	4.52	---	11.65	14.50	15.78	17.22	9.54	12.68	6.72	5.02
15	2.50	3.68	4.43	---	12.10	14.48	15.71	17.27	9.69	12.79	6.71	4.32
16	2.49	3.35	4.53	---	12.46	14.51	15.67	17.30	9.78	12.71	6.70	3.79
17	2.87	3.18	4.52	---	12.76	14.66	15.53	17.32	10.10	12.63	6.70	3.83
18	3.06	3.50	4.30	---	13.13	14.72	15.53	17.30	10.21	12.43	6.58	3.79
19	3.21	3.74	4.02	---	13.43	14.82	15.50	---	10.35	12.23	6.57	3.92
20	3.09	3.81	4.07	---	13.63	15.02	15.34	---	10.51	12.10	6.44	3.97
21	2.93	4.02	4.30	---	13.89	15.24	15.23	17.20	10.66	11.83	6.48	3.91
22	2.52	3.90	4.67	---	14.14	15.34	15.22	17.14	10.76	11.54	6.44	3.25
23	2.44	3.65	4.64	---	14.28	15.40	15.16	17.05	11.02	11.09	6.16	3.00
24	3.39	3.57	5.17	---	14.39	15.34	15.09	17.01	11.26	10.82	5.97	3.05
25	3.34	3.39	5.84	---	14.48	15.41	15.11	16.93	11.57	10.50	5.64	3.07
26	3.42	3.43	5.19	---	14.61	15.64	15.14	16.83	12.05	10.18	5.30	3.46
27	2.97	3.59	5.26	---	14.75	15.74	15.12	16.53	12.36	9.57	5.02	3.45
28	2.90	3.73	6.34	---	14.81	15.77	15.36	16.08	12.55	8.97	4.81	3.35
29	3.11	4.06	6.33	---	---	15.79	15.56	15.60	12.62	8.26	4.51	3.34
30	2.93	3.98	---	15.46	---	15.84	15.67	15.03	12.55	7.80	4.25	3.03
31	3.05	---	---	15.10	---	15.95	---	14.62	---	7.49	4.22	---
MEAN	3.12	3.40	---	---	13.22	15.06	15.75	---	11.31	11.63	6.31	3.88
MAX	3.71	4.06	---	---	14.81	15.95	16.43	---	14.10	12.87	7.53	5.24
MIN	2.44	2.57	---	---	11.52	14.48	15.09	---	9.11	7.49	4.22	3.00

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA

LOCATION.--Lat 30°05'47", long 91°34'46", in sec. 8, T. 11 S., R. 9 E., St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform, 10.1 miles northeast of Loreauville.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

REMARKS.--Below recordable stage: Oct. 1 to Dec. 25.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.42 ft, Mar. 28, 29, 1997, minimum recorded, 5.84 ft, Dec. 25, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.24 ft, May 16, 17, 18; minimum recorded, 5.84 ft, Dec. 25.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				6.28	12.78	---	13.41	13.21	12.42	---	---	---
2				6.22	12.60	---	13.47	13.33	12.05	---	---	---
3				6.35	12.28	---	13.55	13.41	11.77	---	---	---
4				6.47	11.98	---	13.62	13.47	11.55	---	---	---
5				6.81	11.73	12.47	13.65	13.51	11.33	---	---	---
6				7.21	11.41	12.46	13.65	13.60	11.11	---	---	---
7				7.98	11.07	12.61	13.65	13.72	10.85	---	---	---
8				8.54	10.77	12.66	13.66	13.83	10.47	---	---	---
9				8.77	10.58	12.65	13.66	13.89	10.16	---	---	---
10				8.99	10.50	12.59	13.60	13.94	9.75	---	---	---
11				9.21	10.50	12.50	13.50	13.97	---	---	---	---
12				9.56	---	12.40	13.43	14.03	---	---	---	---
13				9.96	---	12.35	13.36	14.10	---	---	---	---
14				10.40	---	12.32	13.33	14.17	---	---	---	---
15				10.91	---	12.30	13.30	14.21	---	---	---	---
16				11.27	---	12.33	13.27	14.23	---	11.16	---	---
17				11.64	---	12.49	13.20	14.23	---	11.12	---	---
18				11.91	---	12.49	13.15	14.22	---	11.00	---	---
19				12.21	---	12.52	13.12	14.21	---	10.88	---	---
20				12.38	---	12.59	13.04	14.19	---	10.75	---	---
21				12.54	---	12.69	12.95	14.17	---	10.55	---	---
22				12.84	---	12.79	12.90	14.15	---	10.37	---	---
23				13.14	---	12.86	12.85	14.13	---	10.10	---	---
24				13.34	---	12.89	12.80	14.10	---	9.93	---	---
25			6.00	13.48	---	12.93	12.79	14.07	---	9.67	---	---
26			6.46	13.62	---	13.05	12.82	14.02	---	9.37	---	---
27			6.56	13.65	---	13.15	12.82	13.90	---	9.12	---	---
28			6.26	13.56	---	13.20	13.00	13.69	---	8.91	---	---
29			6.22	13.42	---	13.24	13.13	13.43	---	---	---	---
30			6.28	13.21	---	13.28	13.18	13.09	---	---	---	---
31			6.25	12.99	---	13.36	---	12.76	---	---	---	---
MEAN			---	10.61	---	---	13.26	13.84	---	---	---	---
MAX			---	13.65	---	---	13.66	14.23	---	---	---	---
MIN			---	6.22	---	---	12.79	12.76	---	---	---	---

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1993 to current year.

pH: July 1993 to current year.

WATER TEMPERATURE: July 1993 to current year.

DISSOLVED OXYGEN: July 1993 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, pH, water temperature, and dissolved oxygen.

REMARKS.--Dissolved oxygen may show 10 percent error due to inaccuracies of meters. Extremes for current year for specific conductance, pH, water temperature, and dissolved oxygen are not published because the number of missing days of record exceeded 20% of the year. Water-quality monitor out of water Oct. 1 through Feb. 7, Feb. 28-Apr. 11, and July 14-Sep. 30.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 551 microsiemens, June 14, 1994, but may have been higher during period of missing record; minimum daily, 100 microsiemens, Jan. 14, 1994, but may have been lower during period of missing record.

pH: Maximum daily, 9.0 units, May 22, 1994, but may have been higher during period of missing record; minimum daily, 6.3 units, Jan. 14, 1994, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 33.5°C, July 17, 1997, but may have been higher during period of missing record; minimum daily, 2.6°C, Feb. 8, 1996, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 13.8 mg/L, Jan. 15, 1994, but may have been higher during period of missing record; minimum daily, 2.5 mg/L, July 18, 1997, but may have been 0.0 mg/L during period of missing record.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	381	356	367	271	268	270
2	---	---	---	---	---	---	386	370	381	268	266	267
3	---	---	---	---	---	---	370	340	354	266	263	265
4	---	---	---	---	---	---	340	305	323	269	263	265
5	---	---	---	---	---	---	305	277	289	276	269	272
6	---	---	---	---	---	---	277	263	270	277	276	276
7	---	---	---	---	---	---	276	261	266	285	277	280
8	---	---	---	---	---	---	291	276	286	291	285	288
9	---	---	---	---	---	---	290	285	287	293	291	292
10	---	---	---	---	---	---	288	285	286	294	291	292
11	---	---	---	---	---	---	288	286	287	299	292	295
12	---	---	---	---	---	---	296	286	290	309	299	304
13	---	---	---	---	---	---	307	296	302	314	309	312
14	---	---	---	---	---	---	310	307	309	314	307	310
15	---	---	---	---	---	---	310	308	309	307	294	301
16	---	---	---	---	---	---	308	305	306	297	295	296
17	---	---	---	---	---	---	306	303	305	300	292	295
18	---	---	---	---	---	---	303	298	301	292	289	291
19	---	---	---	---	---	---	300	298	299	292	290	291
20	---	---	---	---	---	---	299	294	296	299	290	294
21	---	---	---	315	312	313	294	293	294	301	297	299
22	---	---	---	312	307	310	297	294	295	302	300	300
23	---	---	---	313	307	309	304	297	301	306	300	302
24	---	---	---	326	313	318	305	302	304	310	299	304
25	---	---	---	342	326	336	303	301	301	329	306	313
26	---	---	---	343	341	342	301	296	299	306	288	293
27	---	---	---	344	341	343	296	289	292	291	286	288
28	---	---	---	344	343	344	289	287	287	295	274	289
29	---	---	---	344	340	341	287	283	285	285	272	279
30	---	---	---	356	341	348	283	279	281	273	258	265
31	---	---	---	---	---	---	279	271	275	259	252	255
MONTH	---	---	---	---	---	---	386	261	301	329	252	288

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.7	7.6	7.6	---	---	---	---	---	---	---	---	---
2	7.7	7.6	7.6	7.5	7.3	7.4	---	---	---	---	---	---
3	7.7	7.6	7.6	7.5	7.3	7.4	---	---	---	---	---	---
4	7.7	7.7	7.7	7.5	7.3	7.4	---	---	---	---	---	---
5	7.8	7.7	7.7	7.4	7.3	7.4	---	---	---	---	---	---
6	7.8	7.7	7.8	7.4	7.3	7.4	---	---	---	---	---	---
7	7.8	7.8	7.8	7.5	7.3	7.4	---	---	---	---	---	---
8	---	---	---	7.5	7.4	7.4	---	---	---	---	---	---
9	---	---	---	7.5	7.4	7.5	---	---	---	---	---	---
10	---	---	---	7.6	7.4	7.5	---	---	---	---	---	---
11	---	---	---	7.6	7.5	7.6	---	---	---	---	---	---
12	---	---	---	7.7	7.5	7.6	---	---	---	---	---	---
13	---	---	---	7.7	7.6	7.6	---	---	---	---	---	---
14	---	---	---	7.8	7.6	7.7	---	---	---	---	---	---
15	---	---	---	7.8	7.7	7.7	---	---	---	---	---	---
16	---	---	---	7.8	7.7	7.7	---	---	---	---	---	---
17	---	---	---	7.9	7.6	7.7	---	---	---	---	---	---
18	---	---	---	8.3	7.5	7.8	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	11.7	10.9	11.4	8.1	7.8	7.9
2	---	---	---	---	---	---	10.9	10.4	10.7	8.2	7.9	8.0
3	---	---	---	---	---	---	10.4	9.9	10.1	8.9	8.2	8.6
4	---	---	---	---	---	---	9.9	9.3	9.6	9.6	8.9	9.3
5	---	---	---	---	---	---	9.5	9.2	9.3	10.1	9.6	9.8
6	---	---	---	---	---	---	9.5	9.1	9.3	9.8	9.8	9.8
7	---	---	---	---	---	---	9.8	9.4	9.6	9.8	9.6	9.7
8	---	---	---	---	---	---	9.6	9.2	9.4	9.7	9.6	9.6
9	---	---	---	---	---	---	9.6	9.2	9.3	9.6	9.2	9.4
10	---	---	---	---	---	---	9.6	9.2	9.4	9.5	8.9	9.2
11	---	---	---	---	---	---	9.6	9.3	9.5	9.1	8.6	8.8
12	---	---	---	---	---	---	10.1	9.6	9.8	8.6	8.0	8.4
13	---	---	---	---	---	---	10.2	9.9	10.0	8.0	7.4	7.7
14	---	---	---	---	---	---	10.4	10.0	10.2	7.4	6.9	7.2
15	---	---	---	---	---	---	10.4	10.2	10.3	7.2	6.6	6.8
16	---	---	---	---	---	---	10.5	10.2	10.4	6.6	5.9	6.3
17	---	---	---	---	---	---	10.4	10.0	10.2	5.9	5.4	5.7
18	---	---	---	---	---	---	10.1	9.5	9.8	5.5	5.0	5.3
19	---	---	---	---	---	---	9.5	9.1	9.3	5.4	4.7	5.0
20	---	---	---	---	---	---	9.1	8.7	8.9	5.4	4.6	5.0
21	---	---	---	13.8	13.3	13.5	8.9	8.5	8.7	5.3	4.7	5.0
22	---	---	---	13.4	12.8	13.2	8.7	8.5	8.6	5.7	5.1	5.4
23	---	---	---	13.1	12.7	12.8	8.7	8.3	8.5	6.2	5.4	5.7
24	---	---	---	13.3	12.7	12.9	8.4	7.8	8.2	8.0	6.1	6.8
25	---	---	---	13.1	12.3	12.7	7.8	7.4	7.6	10.2	7.0	8.0
26	---	---	---	12.3	11.9	12.1	7.6	7.3	7.5	7.5	6.3	7.0
27	---	---	---	12.1	11.6	11.9	7.8	7.5	7.6	8.1	7.0	7.5
28	---	---	---	12.3	11.7	11.9	7.8	7.6	7.7	7.9	7.2	7.6
29	---	---	---	11.9	11.6	11.8	7.8	7.8	7.8	7.3	7.1	7.2
30	---	---	---	11.9	11.6	11.7	8.0	7.7	7.8	7.8	7.3	7.5
31	---	---	---	---	---	---	8.0	7.8	7.9	8.4	7.5	7.9
MONTH	---	---	---	---	---	---	11.7	7.3	9.2	10.2	4.6	7.5

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA

LOCATION.--Lat 30°01'58", long 91°33'09", in sec. 4, T. 12 S., R 9 E., Iberia Parish, Hydrologic Unit 08080101, on a three-pile platform attached to a cypress tree, 11.7 miles east of Loreauville.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 1993 to current year.

GAGE.--Water-stage recorder with electromagnetic flowmeter. Datum of gage is an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.86 ft, Apr. 5, 1997, minimum recorded, 1.98 ft, Sept. 28, 29, 30, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.10 ft, May 16, 17, 18; minimum recorded, 2.02 ft, Dec. 8.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.19	2.13	2.09	3.25	9.76	9.06	10.15	9.87	9.37	7.39	---	---
2	2.18	2.13	2.10	3.27	9.62	9.09	10.20	9.94	9.02	7.41	---	---
3	2.18	2.12	2.09	3.29	9.31	9.11	10.25	10.04	8.70	7.48	---	---
4	2.18	2.12	2.07	3.36	9.03	9.15	10.29	10.12	8.42	7.54	---	---
5	2.17	2.12	2.05	3.74	8.77	9.18	10.32	10.19	8.19	7.58	---	---
6	2.17	2.12	2.04	3.96	8.52	9.18	10.34	10.25	8.02	7.60	---	---
7	2.17	2.12	2.04	4.30	8.25	9.34	10.35	10.34	7.79	7.60	---	---
8	2.17	2.11	2.03	4.49	7.97	9.39	10.35	10.48	7.53	7.62	---	---
9	2.17	2.11	2.03	4.71	7.74	9.37	10.34	10.54	7.29	7.63	---	---
10	2.17	2.11	2.06	4.90	7.57	9.35	10.31	10.62	7.06	7.62	---	---
11	2.18	2.12	2.09	5.18	7.52	9.29	10.26	10.70	6.79	7.60	---	---
12	2.18	2.14	2.06	5.50	7.39	9.21	10.21	10.77	6.51	7.57	---	---
13	2.20	2.10	2.06	5.83	7.27	9.14	10.15	10.87	6.27	7.54	---	---
14	2.19	2.12	2.10	6.21	7.18	9.08	10.10	10.98	6.12	7.56	---	---
15	2.18	2.14	2.11	6.72	7.21	9.05	10.05	11.06	6.02	7.61	---	---
16	2.17	2.13	2.11	7.12	7.34	9.11	10.02	11.09	5.99	7.64	---	---
17	2.17	2.12	2.14	7.53	7.46	9.33	9.98	11.09	5.98	7.63	---	---
18	2.16	2.11	2.15	7.92	7.55	9.26	9.89	11.08	5.98	7.61	---	---
19	2.16	2.11	2.14	8.29	7.69	9.24	9.84	11.08	5.99	7.54	---	---
20	2.16	2.11	2.12	8.63	7.84	9.23	9.77	11.07	6.04	7.45	---	---
21	2.16	2.09	2.16	8.91	7.99	9.27	9.69	11.06	6.10	7.36	---	---
22	2.15	2.10	2.17	9.26	8.32	9.36	9.62	11.04	6.16	7.26	---	---
23	2.14	2.13	2.19	9.54	8.47	9.47	9.55	11.02	6.19	7.19	---	---
24	2.14	2.11	2.42	9.81	8.59	9.57	9.48	10.98	6.28	---	---	---
25	2.14	2.09	2.60	10.05	8.71	9.62	9.43	10.94	6.46	---	---	---
26	2.15	2.09	2.88	10.27	8.83	9.70	9.44	10.88	6.69	---	---	---
27	2.15	2.09	3.07	10.36	8.94	9.82	9.47	10.77	7.03	---	---	---
28	2.13	2.10	3.12	10.35	9.02	9.91	9.67	10.56	7.24	---	---	---
29	2.13	2.07	3.17	10.27	---	9.97	9.80	10.33	7.33	---	---	---
30	2.13	2.07	3.21	10.15	---	10.02	9.84	10.04	7.38	---	---	---
31	2.13	---	3.24	9.95	---	10.09	---	9.70	---	---	---	---
MEAN	2.16	2.11	2.32	7.00	8.21	9.39	9.97	10.63	7.00	---	---	---
MAX	2.20	2.14	3.24	10.36	9.76	10.09	10.35	11.09	9.37	---	---	---
MIN	2.13	2.07	2.03	3.25	7.18	9.05	9.43	9.70	5.98	---	---	---

MISSISSIPPI RIVER DELTA
0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1993 to current year.

WATER TEMPERATURE: August 1993 to current year.

pH: August 1993 to current year.

DISSOLVED OXYGEN: October 1993 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, pH, water temperature, and dissolved oxygen.

REMARKS.--Dissolved oxygen may show 10 percent error due to inaccuracies of meters. Extremes for current year for specific conductance, pH, water temperature, and dissolved oxygen are not published because the number of missing days of record exceeded 20% of the year. The water-quality monitor was out of the water October 1 through January 20, and July 27 through September 30 because of low water at the site.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily recorded, 427 microsiemens, April 10,11, 1998; minimum daily recorded, 227 microsiemens, Mar. 1, 1997.

pH: Maximum daily, 7.7 units, June 7,8, 1998, but may have been higher during period of missing record; minimum daily, 5.9 units, June 9,10, 1997, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily recorded, 33.6°C, July 23, 1996, and Aug. 5, 1996; minimum daily recorded, 6.7°C, Feb. 9, 1995.

DISSOLVED OXYGEN: Maximum daily recorded, 8.6 mg/L, Feb. 15-18, 1997; minimum daily recorded, 0.5 mg/L, May 15,16, 1997.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										284	254	259
22										325	264	303
23										325	274	303
24										274	264	268
25										288	272	279
26										294	286	290
27										302	292	297
28										308	302	305
29										314	308	311
30										333	313	315
31										320	315	318
MONTH										---	---	---

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	320	316	319	---	---	---	---	---	---	---	---	---
2	316	315	316	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	372	351	363	---	---	---
4	---	---	---	---	---	---	388	372	380	---	---	---
5	---	---	---	275	270	273	398	387	391	---	---	---
6	---	---	---	271	268	269	402	397	400	---	---	---
7	---	---	---	268	261	264	405	400	403	368	363	366
8	---	---	---	267	263	264	413	389	408	372	368	370
9	---	---	---	269	260	265	422	410	415	376	372	374
10	---	---	---	271	269	270	427	353	391	377	375	376
11	---	---	---	272	266	269	427	422	423	378	375	377
12	---	---	---	274	268	272	422	410	415	385	377	382
13	---	---	---	282	273	277	414	404	409	390	384	387
14	---	---	---	283	278	281	408	370	404	391	387	389
15	---	---	---	280	278	279	---	---	---	387	379	383
16	---	---	---	280	265	277	---	---	---	379	372	375
17	---	---	---	268	262	265	---	---	---	372	369	370
18	---	---	---	262	259	260	---	---	---	370	366	368
19	---	---	---	272	255	258	---	---	---	366	338	364
20	---	---	---	257	255	256	---	---	---	---	---	---
21	---	---	---	262	256	258	---	---	---	---	---	---
22	---	---	---	268	262	265	---	---	---	---	---	---
23	---	---	---	275	263	273	---	---	---	---	---	---
24	---	---	---	274	271	273	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	387	384	385	---	---	---	---	---	---
2	---	---	---	388	385	386	---	---	---	---	---	---
3	---	---	---	391	384	386	---	---	---	---	---	---
4	---	---	---	391	387	389	---	---	---	---	---	---
5	---	---	---	389	381	383	---	---	---	---	---	---
6	---	---	---	383	374	376	---	---	---	---	---	---
7	---	---	---	375	370	372	---	---	---	---	---	---
8	---	---	---	372	367	369	---	---	---	---	---	---
9	---	---	---	370	363	366	---	---	---	---	---	---
10	---	---	---	364	359	362	---	---	---	---	---	---
11	---	---	---	361	355	357	---	---	---	---	---	---
12	---	---	---	355	350	353	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	348	341	344	---	---	---	---	---	---
15	---	---	---	342	337	340	---	---	---	---	---	---
16	---	---	---	339	336	337	---	---	---	---	---	---
17	---	---	---	339	336	337	---	---	---	---	---	---
18	---	---	---	339	337	338	---	---	---	---	---	---
19	---	---	---	340	336	338	---	---	---	---	---	---
20	---	---	---	341	336	338	---	---	---	---	---	---
21	---	---	---	340	336	338	---	---	---	---	---	---
22	---	---	---	341	337	339	---	---	---	---	---	---
23	---	---	---	341	338	340	---	---	---	---	---	---
24	---	---	---	342	339	341	---	---	---	---	---	---
25	---	---	---	342	339	341	---	---	---	---	---	---
26	---	---	---	341	338	339	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	391	336	356	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										6.9	6.3	6.7
22										6.9	6.7	6.8
23										6.9	6.8	6.9
24										7.0	6.9	7.0
25										7.2	7.0	7.1
26										7.3	7.2	7.2
27										7.3	7.3	7.3
28										7.3	7.3	7.3
29										7.4	7.3	7.3
30										7.4	7.3	7.4
31										7.4	7.3	7.4
MONTH										---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.4	7.3	7.4	---	---	---	---	---	---	---	---	---
2	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	6.3	6.2	6.2	---	---	---
4	---	---	---	---	---	---	6.4	6.1	6.2	---	---	---
5	---	---	---	6.7	6.7	6.7	6.4	6.2	6.4	---	---	---
6	---	---	---	6.7	6.6	6.6	6.5	6.3	6.4	---	---	---
7	---	---	---	6.8	6.6	6.7	6.5	6.4	6.5	7.0	6.9	7.0
8	---	---	---	6.8	6.7	6.7	6.6	6.5	6.6	7.0	6.9	7.0
9	---	---	---	6.8	6.7	6.8	6.6	6.6	6.6	7.1	6.9	7.0
10	---	---	---	6.8	6.7	6.8	6.8	6.6	6.7	7.1	7.1	7.1
11	---	---	---	6.8	6.7	6.7	6.8	6.7	6.7	7.1	7.1	7.1
12	---	---	---	6.8	6.7	6.8	6.9	6.7	6.8	7.2	7.1	7.1
13	---	---	---	6.8	6.8	6.8	6.9	6.8	6.8	7.2	7.1	7.2
14	---	---	---	6.9	6.7	6.8	7.0	6.8	6.9	7.2	7.1	7.2
15	---	---	---	6.8	6.7	6.8	---	---	---	7.2	7.1	7.1
16	---	---	---	6.9	6.4	6.7	---	---	---	7.2	7.0	7.1
17	---	---	---	6.5	6.2	6.4	---	---	---	7.2	7.0	7.1
18	---	---	---	6.4	6.2	6.3	---	---	---	7.2	7.1	7.2
19	---	---	---	6.6	6.0	6.2	---	---	---	7.2	7.1	7.2
20	---	---	---	6.9	6.6	6.8	---	---	---	7.2	7.1	7.2
21	---	---	---	6.9	6.8	6.8	---	---	---	7.3	7.1	7.2
22	---	---	---	6.9	6.8	6.8	---	---	---	7.3	7.2	7.2
23	---	---	---	6.9	6.7	6.8	---	---	---	7.3	7.2	7.2
24	---	---	---	6.8	6.7	6.8	---	---	---	7.3	7.1	7.2
25	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
26	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
27	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
28	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
29	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
30	---	---	---	---	---	---	---	---	---	7.2	7.1	7.2
31	---	---	---	---	---	---	---	---	---	7.4	7.1	7.2
MONTH	---	---	---	---	---	---	---	---	---	7.4	6.9	7.2

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	7.2	7.3	6.4	6.1	6.2						
2	7.3	7.1	7.3	6.5	6.2	6.3						
3	7.4	7.2	7.3	6.4	6.2	6.3						
4	7.5	7.2	7.4	6.3	6.2	6.2						
5	7.6	7.3	7.4	6.4	6.2	6.2						
6	7.7	7.3	7.5	6.3	6.0	6.2						
7	7.7	7.2	7.4	6.3	6.1	6.2						
8	7.7	7.3	7.5	6.3	6.1	6.2						
9	7.4	7.3	7.3	6.3	6.1	6.2						
10	7.6	7.3	7.3	6.3	6.2	6.2						
11	---	---	---	6.4	6.1	6.2						
12	---	---	---	6.3	6.1	6.2						
13	---	---	---	---	---	---						
14	---	---	---	6.3	6.1	6.1						
15	---	---	---	6.3	6.1	6.1						
16	---	---	---	6.9	6.2	6.5						
17	---	---	---	6.8	6.3	6.6						
18	---	---	---	6.6	6.3	6.4						
19	---	---	---	6.6	6.4	6.5						
20	---	---	---	6.6	6.4	6.5						
21	---	---	---	6.7	6.4	6.5						
22	---	---	---	6.7	6.4	6.5						
23	---	---	---	6.6	6.5	6.5						
24	---	---	---	6.6	6.4	6.5						
25	---	---	---	6.8	6.4	6.6						
26	---	---	---	6.8	6.4	6.6						
27	---	---	---									
28	---	---	---									
29	---	---	---									
30	---	---	---									
31	---	---	---									
MONTH	---	---	---	6.9	6.0	6.3						

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21									14.4	13.5	13.8	
22									14.6	13.9	14.3	
23									14.2	13.0	13.6	
24									13.0	12.1	12.4	
25									12.2	11.7	11.9	
26									11.9	11.1	11.5	
27									11.1	10.4	10.7	
28									10.8	10.1	10.4	
29									10.9	10.3	10.6	
30									11.0	10.4	10.7	
31									11.5	10.6	11.0	
MONTH									---	---	---	

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.7	11.0	11.3	---	---	---	---	---	---	---	---	---
2	11.7	11.5	11.6	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	18.1	17.4	17.5	---	---	---
4	---	---	---	---	---	---	18.0	17.3	17.7	---	---	---
5	---	---	---	14.0	13.9	14.0	17.7	16.9	17.3	---	---	---
6	---	---	---	14.5	14.0	14.2	17.8	17.2	17.5	---	---	---
7	---	---	---	15.2	14.5	14.8	18.1	17.7	17.8	21.8	21.5	21.6
8	---	---	---	15.9	15.0	15.3	18.6	18.1	18.4	22.0	21.8	21.9
9	---	---	---	15.0	13.8	14.4	18.7	18.0	18.3	22.7	22.0	22.2
10	---	---	---	14.2	13.1	13.6	18.6	18.1	18.3	22.7	22.1	22.3
11	---	---	---	13.6	12.4	12.9	18.6	18.0	18.3	22.8	22.4	22.5
12	---	---	---	12.7	11.8	12.2	19.0	18.2	18.6	22.8	22.4	22.5
13	---	---	---	12.5	11.9	12.2	19.0	18.6	18.7	22.8	22.3	22.5
14	---	---	---	12.9	12.4	12.6	19.5	18.9	19.1	22.8	22.3	22.5
15	---	---	---	14.2	12.7	13.3	---	---	---	22.6	22.1	22.3
16	---	---	---	14.7	13.8	14.2	---	---	---	22.8	22.2	22.4
17	---	---	---	15.7	14.5	14.9	---	---	---	23.2	22.6	22.8
18	---	---	---	15.6	15.2	15.5	---	---	---	23.4	22.9	23.1
19	---	---	---	15.7	15.4	15.5	---	---	---	23.6	23.1	23.3
20	---	---	---	15.6	14.5	15.1	---	---	---	23.8	23.3	23.5
21	---	---	---	15.0	14.2	14.5	---	---	---	23.9	23.3	23.6
22	---	---	---	14.8	14.1	14.4	---	---	---	24.1	23.5	23.7
23	---	---	---	15.0	14.5	14.8	---	---	---	24.4	23.8	24.0
24	---	---	---	15.1	14.9	15.0	---	---	---	24.7	24.1	24.3
25	---	---	---	---	---	---	---	---	---	24.9	24.4	24.6
26	---	---	---	---	---	---	---	---	---	25.4	24.8	25.0
27	---	---	---	---	---	---	---	---	---	25.8	25.2	25.4
28	---	---	---	---	---	---	---	---	---	26.2	25.7	25.9
29	---	---	---	---	---	---	---	---	---	26.3	26.1	26.1
30	---	---	---	---	---	---	---	---	---	26.6	26.1	26.3
31	---	---	---	---	---	---	---	---	---	27.4	26.6	27.0
MONTH	---	---	---	---	---	---	---	---	---	27.4	21.5	23.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.8	27.3	27.5	29.9	29.0	29.3	---	---	---	---	---	---
2	28.3	27.5	27.9	31.0	29.5	30.1	---	---	---	---	---	---
3	28.8	28.0	28.4	30.6	29.8	30.2	---	---	---	---	---	---
4	29.1	28.4	28.8	30.6	30.2	30.4	---	---	---	---	---	---
5	29.4	28.7	29.0	30.6	30.0	30.3	---	---	---	---	---	---
6	29.3	27.6	28.6	30.9	30.3	30.5	---	---	---	---	---	---
7	27.9	26.9	27.3	31.2	30.6	30.9	---	---	---	---	---	---
8	28.3	26.9	27.7	31.7	31.1	31.3	---	---	---	---	---	---
9	29.2	27.5	28.3	31.7	31.3	31.5	---	---	---	---	---	---
10	29.9	28.6	29.2	31.8	31.2	31.5	---	---	---	---	---	---
11	---	---	---	31.9	31.3	31.5	---	---	---	---	---	---
12	---	---	---	32.0	31.3	31.7	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	31.5	30.4	30.8	---	---	---	---	---	---
15	---	---	---	30.6	30.0	30.3	---	---	---	---	---	---
16	---	---	---	30.9	30.1	30.3	---	---	---	---	---	---
17	---	---	---	30.6	30.1	30.3	---	---	---	---	---	---
18	---	---	---	30.7	29.9	30.2	---	---	---	---	---	---
19	---	---	---	31.0	30.3	30.6	---	---	---	---	---	---
20	---	---	---	31.6	30.4	30.8	---	---	---	---	---	---
21	---	---	---	31.6	30.8	31.1	---	---	---	---	---	---
22	---	---	---	31.3	30.5	30.8	---	---	---	---	---	---
23	---	---	---	31.0	30.4	30.7	---	---	---	---	---	---
24	---	---	---	31.2	30.2	30.6	---	---	---	---	---	---
25	---	---	---	31.0	30.0	30.4	---	---	---	---	---	---
26	---	---	---	30.7	29.9	30.2	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	32.0	29.0	30.7	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

073815450 CHICOT PASS NEAR MYETTE POINT, LA

LOCATION.--Lat 29°53'33", long 91°26'44", T. 13 S., R. 10 E., St. Mary Parish, Hydrologic Unit 08080101, on right water's edge near Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1963 to March 1997, station maintained by U.S. Army Corps of Engineers, New Orleans District. March 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.28 ft below sea level (from levels provided by U.S. Army Corps of Engineers, May 1, 1996).

REMARKS.--Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded (U.S. Army Corps of Engineers), 17.80 ft, May 24, 1973, minimum gage height recorded (U.S. Army Corps of Engineers), 0.06 ft, undetermined date in 1976.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 10.66 ft, May 15, 16, 17; minimum recorded gage height, 1.33 ft, Oct. 22.

GAGE HEIGHT, IN FEET ABOVE DATUM, OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.72	2.14	2.34	4.49	9.08	8.85	9.75	9.62	8.76	7.52	4.47	2.86
2	1.75	1.85	2.33	4.42	8.84	8.86	9.82	9.73	8.42	7.59	4.27	2.81
3	1.96	1.65	2.49	4.50	8.53	8.85	9.88	9.80	8.18	7.66	4.18	2.99
4	2.07	1.63	2.23	4.56	8.30	8.86	9.87	9.83	8.03	7.70	4.23	3.05
5	2.14	2.03	2.03	---	8.10	8.87	9.91	9.89	7.85	7.70	4.23	2.82
6	2.24	1.93	1.95	---	7.79	8.86	9.95	9.99	7.58	7.64	4.21	2.53
7	2.30	1.46	1.90	5.69	7.50	9.05	9.97	10.13	7.36	7.67	4.35	2.64
8	2.63	1.65	2.25	5.98	7.26	---	9.98	10.22	7.08	7.72	4.53	2.90
9	2.67	1.98	2.59	6.04	7.10	---	9.93	10.30	6.86	7.70	4.63	2.76
10	2.57	2.24	2.73	6.16	7.05	---	9.83	10.32	6.53	7.59	4.58	2.95
11	2.63	2.16	2.27	6.29	7.14	8.84	9.77	10.35	6.17	7.55	4.45	3.62
12	3.00	2.34	2.23	6.55	6.89	8.74	9.73	10.43	5.87	7.50	4.26	4.22
13	2.88	2.67	2.53	6.69	6.83	8.72	9.70	10.52	5.80	7.52	4.09	3.97
14	2.02	2.55	2.62	7.26	6.85	8.71	9.69	10.59	5.84	7.62	4.12	3.82
15	1.68	2.39	2.65	7.67	7.12	8.68	9.65	10.64	5.92	7.69	4.17	3.25
16	1.71	2.03	2.80	7.91	7.39	8.72	9.66	10.64	5.94	7.67	4.16	2.77
17	1.91	1.97	2.83	8.20	---	---	9.52	10.62	6.05	7.59	4.17	2.70
18	2.10	2.24	2.71	8.41	---	---	9.44	10.62	6.13	7.48	4.08	2.70
19	2.21	2.39	2.55	8.57	---	---	9.39	10.61	6.19	7.37	---	2.78
20	2.10	2.52	2.61	8.81	---	---	9.35	10.61	6.27	7.29	---	2.72
21	1.98	2.72	2.92	8.97	8.14	8.98	9.27	10.61	6.32	7.17	---	2.68
22	1.67	2.57	3.03	9.23	8.36	9.10	9.20	10.58	6.41	7.03	---	2.21
23	1.75	2.31	2.81	9.44	8.43	9.20	9.16	10.58	6.52	6.79	---	1.95
24	2.55	2.32	---	9.62	8.51	9.22	9.13	10.55	6.66	6.60	---	2.00
25	2.41	2.22	---	9.77	8.60	9.23	9.17	10.52	6.85	6.42	3.69	1.98
26	2.36	2.25	---	9.88	8.72	9.38	9.22	10.46	7.26	6.23	3.47	2.26
27	1.84	2.38	---	9.84	8.81	9.48	9.22	10.30	7.51	5.91	3.25	2.21
28	1.94	2.62	---	9.78	8.86	9.54	9.41	10.05	7.62	5.58	3.07	2.33
29	2.12	2.88	---	9.65	---	9.57	9.57	9.78	7.62	5.21	2.91	2.17
30	1.99	2.66	4.59	9.43	---	9.61	9.57	9.42	7.58	4.92	2.80	1.90
31	2.16	---	4.50	9.24	---	9.71	---	9.11	---	4.69	2.85	---
MEAN	2.16	2.22	---	---	---	---	9.59	10.24	6.91	7.04	---	2.75
MAX	3.00	2.88	---	---	---	---	9.98	10.64	8.76	7.72	---	4.22
MIN	1.67	1.46	---	---	---	---	9.13	9.11	5.80	4.69	---	1.90

MISSISSIPPI RIVER DELTA

07381567 BUFFALO COVE AT ROUND ISLAND NEAR CHARENTON, LA

LOCATION.--Lat 29°59'00", long 91°31'30", in sec. 23, T. 12 S., R. 9 E., Iberia Parish, Hydrologic Unit 08080101 on south side of Round Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 26, 1976, to March 14, 1997, station maintained by U.S. Army Corps of Engineers, New Orleans District. March 14, 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height by the U.S. Army Corps of Engineers, 14.98 ft, June 3, 1983, minimum recorded gage height by the U.S. Army Corps of Engineers, 0.11 ft, Oct. 17, 18, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.27 ft, May 16, 17, 18; minimum gage height, 2.03 ft, Oct. 23.

GAGE HEIGHT, IN FEET ABOVE DATUM, OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.44	2.72	3.21	4.93	10.95	10.40	11.37	11.12	10.61	8.87	6.31	3.93
2	2.50	2.53	2.90	4.92	10.82	10.43	11.41	11.20	10.27	8.89	6.07	3.83
3	2.64	2.40	3.07	4.98	10.54	10.46	11.47	11.29	9.97	8.95	5.88	3.83
4	2.77	2.18	2.94	5.08	10.25	10.46	11.51	11.35	9.72	9.00	5.77	3.78
5	2.83	2.60	2.74	5.38	10.00	10.47	11.55	11.40	9.52	9.05	5.72	3.77
6	2.94	2.70	2.66	5.63	9.74	10.48	11.58	11.47	9.35	9.05	5.68	3.50
7	2.99	2.25	2.59	---	9.46	10.61	11.59	11.59	9.12	9.06	5.72	3.50
8	3.16	2.23	2.79	6.47	9.19	10.69	11.60	11.71	8.84	9.09	5.85	3.72
9	3.33	2.55	3.13	6.67	8.97	10.67	11.59	11.81	8.60	9.10	5.94	3.68
10	3.22	2.86	3.38	6.84	8.81	10.64	11.56	11.87	8.33	9.07	5.96	3.75
11	3.17	2.87	3.08	7.02	8.81	10.58	11.49	11.91	8.01	9.03	5.88	4.38
12	3.43	2.95	2.98	7.33	8.67	10.50	11.42	11.97	7.72	8.99	5.72	5.02
13	3.47	3.21	---	---	8.56	10.42	11.36	12.06	7.54	8.97	5.56	4.98
14	3.03	3.29	---	---	8.51	10.38	11.33	12.16	7.46	9.01	5.54	4.93
15	2.39	3.18	3.48	---	8.59	10.35	11.29	12.23	7.43	9.07	5.56	4.48
16	2.32	2.90	3.60	---	8.76	10.38	11.26	12.27	7.42	9.09	5.55	4.12
17	2.53	2.69	3.62	9.14	8.90	10.57	11.22	12.27	7.45	9.08	5.52	4.00
18	2.71	2.86	3.51	9.47	9.01	10.55	11.14	12.26	7.49	9.02	5.47	3.96
19	2.87	3.10	3.31	9.78	9.16	10.54	11.09	12.26	7.53	8.93	5.47	3.96
20	2.81	3.14	3.32	10.03	9.29	10.55	11.03	12.25	7.58	8.84	5.42	3.99
21	2.69	3.31	3.55	10.27	9.44	10.59	10.96	12.24	7.65	8.75	5.39	3.93
22	2.40	3.35	3.73	10.61	9.72	10.68	10.88	12.22	7.72	8.64	5.43	3.56
23	2.21	3.11	3.80	10.87	9.85	10.78	10.82	12.19	7.81	8.51	5.31	3.30
24	2.98	3.01	4.04	11.09	9.94	10.84	10.77	12.16	7.91	8.34	5.17	3.29
25	2.97	---	4.49	11.29	10.03	10.87	10.75	12.12	8.05	8.17	4.96	3.22
26	3.08	2.86	4.88	11.49	10.16	10.95	10.76	12.07	8.29	7.99	4.73	3.38
27	2.67	2.88	5.06	11.57	10.26	11.06	10.77	11.96	8.57	7.76	4.49	3.37
28	2.50	3.06	4.89	11.54	10.35	11.14	10.94	11.75	8.74	7.48	4.30	3.29
29	2.73	3.30	4.87	11.46	---	11.19	11.06	11.52	8.83	7.14	4.10	3.22
30	2.62	3.43	4.89	11.32	---	11.23	11.10	11.23	8.87	6.82	3.95	2.90
31	2.71	---	4.91	11.12	---	11.31	---	10.92	---	6.54	3.90	---
MEAN	2.81	---	---	---	9.53	10.67	11.22	11.83	8.41	8.59	5.37	3.82
MAX	3.47	---	---	---	10.95	11.31	11.60	12.27	10.61	9.10	6.31	5.02
MIN	2.21	---	---	---	8.51	10.35	10.75	10.92	7.42	6.54	3.90	2.90

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in sec. 56, T. 15 S., R. 11 E., St. Mary Parish, Hydrologic Unit 08080101 at Southern Railways System Bridge, 160 ft downstream from State Highway 90, 0.4 mi downstream from Bayou Teche, 0.5 mi west of Calumet, and 9.8 mi west of Morgan City.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to May 1986 (elevations and discharge measurements only), June 1986 to current year. Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is mean sea level. Reverse flow at times during the year.

REMARKS.--No estimated daily discharges. Records fair. No velocity record: Jan. 22, Mar. 27-Apr. 9, Aug. 1-18. Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.51 ft, Apr. 5, 1997, minimum, -1.15 ft, Dec. 23, 1989.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since 1942, 11.02 ft, present datum, May 27, 1973, minimum, -2.82 ft, present datum, Oct. 18, 1948 (from records of Corps of Engineers, New Orleans District).

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded 197,000 ft³/s, May 18; minimum discharge 28,400 ft³/s, Nov. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47200	42400	45800	66600	140000	149000	---	154000	148000	134000	---	49700
2	47800	44500	42300	65500	138000	146000	---	156000	142000	134000	---	46900
3	45600	44000	44000	65500	135000	151000	---	154000	142000	135000	---	44300
4	46200	42800	47100	69400	130000	149000	---	159000	135000	135000	---	47100
5	45900	42900	44100	76500	129000	147000	---	159000	135000	138000	---	45700
6	45500	46600	43200	76600	127000	147000	---	160000	137000	139000	---	42800
7	41700	43900	42800	93200	125000	144000	---	167000	135000	137000	---	41600
8	40600	41100	41800	103000	123000	147000	---	184000	124000	136000	---	40700
9	44000	43400	43600	106000	121000	154000	---	181000	118000	132000	---	41000
10	42000	45900	48100	105000	119000	154000	160000	186000	114000	128000	---	38700
11	40900	44100	50600	109000	121000	151000	157000	184000	106000	124000	---	39900
12	40200	45300	49100	110000	122000	145000	154000	183000	103000	123000	---	43500
13	43400	44800	50100	112000	122000	137000	152000	184000	105000	126000	---	47200
14	48600	48100	54500	116000	125000	140000	155000	185000	101000	128000	---	46200
15	44800	50000	51000	124000	128000	141000	153000	185000	104000	127000	---	43500
16	45500	48300	52200	129000	131000	142000	151000	188000	105000	128000	---	41300
17	45100	44600	53400	134000	132000	146000	155000	189000	107000	127000	---	40200
18	45200	43200	53600	135000	137000	147000	165000	190000	111000	126000	---	38800
19	43600	47300	51100	142000	140000	148000	159000	189000	111000	125000	76300	39400
20	42300	44700	52400	141000	143000	150000	156000	185000	114000	123000	74800	39700
21	42300	42900	50100	141000	141000	149000	155000	181000	114000	121000	74400	40000
22	41600	48900	57500	---	141000	149000	156000	175000	117000	117000	73000	38100
23	37900	45600	59100	149000	141000	151000	152000	173000	119000	116000	73800	38600
24	45200	43200	62100	149000	140000	151000	151000	165000	121000	112000	72200	39400
25	41500	41200	70300	152000	139000	153000	152000	161000	123000	108000	66700	39100
26	47400	41000	75700	153000	140000	154000	148000	155000	125000	110000	63500	40300
27	46500	40900	84100	152000	145000	---	150000	159000	129000	106000	62000	44400
28	41400	39300	75100	150000	145000	---	152000	157000	133000	105000	64800	41900
29	41600	44800	77200	147000	---	---	153000	153000	134000	100000	59900	45800
30	42300	49100	71300	146000	---	---	153000	154000	133000	94500	55200	42600
31	41000	---	68300	142000	---	---	---	150000	---	91900	51100	---
TOTAL	1354800	1334800	1711600	---	3720000	---	---	5305000	3645000	3786400	---	1268400
MEAN	43700	44490	55210	---	132900	---	---	171100	121500	122100	---	42280
MAX	48600	50000	84100	---	145000	---	---	190000	148000	139000	---	49700
MIN	37900	39300	41800	---	119000	---	---	150000	101000	91900	---	38100

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.44	2.04	1.57	1.83	5.40	5.05	---	5.75	5.23	4.32	---	2.58
2	1.54	1.61	1.76	1.96	5.30	5.01	---	5.78	5.03	4.41	---	2.68
3	1.77	1.27	1.97	2.11	4.96	4.97	---	5.78	4.89	4.47	---	3.05
4	1.83	1.30	1.32	2.26	4.78	5.04	---	5.76	4.96	4.50	---	2.99
5	1.90	1.74	1.21	2.57	4.65	5.12	---	5.84	4.83	4.45	---	2.64
6	1.98	1.34	1.09	2.84	4.40	5.18	---	5.96	4.55	4.36	---	2.43
7	2.22	.87	1.14	3.12	4.22	5.47	---	6.06	4.34	4.40	---	2.73
8	2.69	1.29	1.79	3.02	4.11	5.68	---	6.08	4.34	4.47	---	2.98
9	2.63	1.44	1.95	2.92	4.03	5.32	5.81	6.22	4.40	4.49	---	2.72
10	2.59	1.61	1.78	3.09	4.23	5.10	5.67	6.19	4.15	4.38	---	3.13
11	2.74	1.63	1.17	3.19	4.38	5.02	5.64	6.13	4.03	4.31	---	3.98
12	3.24	1.89	1.08	3.42	3.91	4.93	5.70	6.23	3.77	4.29	---	4.35
13	2.97	2.25	1.37	3.62	3.90	4.98	5.78	6.34	3.53	4.34	---	3.81
14	1.50	1.86	1.13	4.11	3.86	4.97	5.74	6.42	3.69	4.41	---	3.64
15	1.57	1.60	1.38	4.29	4.24	4.97	5.78	6.45	3.72	4.42	---	3.15
16	1.64	1.13	1.47	4.20	4.47	5.12	5.87	6.40	3.68	4.36	---	2.74
17	1.70	1.26	1.57	4.42	4.75	5.33	5.70	6.34	3.68	4.27	---	2.73
18	1.92	1.63	1.47	4.58	4.45	5.35	5.56	6.31	3.74	4.19	---	2.81
19	2.01	1.58	1.46	4.75	4.45	5.37	5.47	6.33	3.72	4.19	2.74	2.87
20	1.87	1.85	1.54	4.97	4.47	5.21	5.45	6.35	3.68	4.19	2.81	2.66
21	1.76	2.10	2.10	5.14	4.58	5.11	5.41	6.36	3.73	4.16	3.04	2.58
22	1.49	1.68	1.85	5.38	4.93	5.24	5.26	6.37	3.74	4.15	3.24	2.27
23	1.90	1.48	1.96	5.46	4.78	5.31	5.20	6.40	3.78	4.02	3.09	2.01
24	2.43	1.65	2.25	5.53	4.78	5.34	5.19	6.38	3.86	3.89	2.96	2.11
25	2.32	1.61	2.04	5.65	4.93	5.39	5.34	6.40	4.06	3.79	2.80	2.12
26	2.01	1.66	2.30	5.80	5.15	5.49	5.49	6.36	4.70	3.65	2.62	2.31
27	1.27	1.80	1.94	5.74	5.18	5.63	5.49	6.27	4.82	3.44	2.40	2.04
28	1.73	2.18	2.24	5.70	5.20	---	5.70	6.13	4.72	3.29	2.23	2.52
29	1.89	2.25	1.85	5.67	---	---	5.97	5.97	4.48	3.10	2.30	1.92
30	1.80	1.79	1.72	5.50	---	---	5.82	5.73	4.39	2.95	2.36	1.85
31	2.04	---	1.75	5.40	---	---	---	5.48	---	2.81	2.55	---
MAX	3.24	2.25	2.30	5.80	5.40	---	---	6.45	5.23	4.50	---	4.35
MIN	1.27	.87	1.08	1.83	3.86	---	---	5.48	3.53	2.81	---	1.85

MISSISSIPPI RIVER DELTA
07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1959-60, 1973 to current year.

REMARKS.--All dissolved constituents are results from water that has been filtered through 0.45 micron filters.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to September 1984, May 1990 to September 1992.

CHLORIDE-SURFACE: October 1974 to September 1984, May 1990 to September 1992.

CHLORIDE-25 FT DEPTH: December 1980 to September 1984, May 1990 to September 1992.

CHLORIDE-45 FT DEPTH: December 1980 to September 1984, May 1990 to September 1992.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 33.0 °C July 20, 1978; minimum daily, 2.0 °C Jan. 4, 5, 1984.

CHLORIDE-SURFACE: Maximum daily, 150 mg/L June 13, 14, 1977; minimum daily, 9.1 mg/L Apr. 15, 1976.

CHLORIDE-25 FT DEPTH: Maximum daily, 110 mg/L Nov. 5, 7, 8, 10, 11, 1981; minimum daily, 12 mg/L May 27, 1984.

CHLORIDE-45 FT DEPTH: Maximum daily, 110 mg/L Mar. 8, Nov. 5, 7, 8, 10, 11, 1981; minimum daily, 12 mg/L May 27, 28, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
DEC 09...	1030	491	7.61	12.0	10	30	<1.0	10.6	2.2
FEB 19...	1027	334	7.35	11.0	50	88	<1.0	10.7	2.9
APR 29...	1100	370	7.94	17.5	10	64	<1.0	9.0	1.2
MAY 22...	1000	352	8.21	17.0	10	47	<1.0	7.0	2.1
JUL 17...	0900	364	7.72	28.5	5	120	<1.0	6.7	1.3
AUG 13...	1000	391	8.07	24.5	10	70	<1.0	6.3	--

DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 09...	160	K27	150	38	13	38	3.9	89	81
FEB 19...	450	K66	100	27	7.9	24	2.5	61	46
APR 29...	K160	K50	140	37	11	18	3.0	95	43
MAY 22...	400	92	150	39	12	16	2.9	112	42
JUL 17...	250	K24	150	39	12	16	3.6	104	46
AUG 13...	K100	140	140	38	12	21	3.5	119	46

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

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

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	
DATE										
DEC 09...	37	.19	7.4	306	276	--	.01	<.01	.84	
FEB 19...	31	.11	6.5	196	184	170	.02	<.01	.58	
APR 29...	21	.16	6.8	250	205	100	<.01	.01	1.7	
MAY 22...	19	.15	6.3	226	211	72	<.01	.01	1.5	
JUL 17...	16	.20	12	244	218	210	.01	<.01	2.3	
AUG 13...	22	.19	7.6	246	228	100	<.01	<.01	1.5	
	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	
DATE										
DEC 09...	.84	.06	.060	.47	.31	.09	.04	.09	.05	
FEB 19...	.57	.06	.018	.63	.28	.16	.02	.12	.02	
APR 29...	1.8	<.01	<.010	.48	.39	.16	.04	.06	.04	
MAY 22...	1.4	.03	.026	.60	.34	.05	--	.05	.04	
JUL 17...	2.3	.03	.022	.79	<.20	.28	.10	.10	.09	
AUG 13...	1.4	<.01	<.010	.51	.26	.16	.08	.11	.08	
	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TRI- FLUR- ALIN, WATER, DISS, REC (UG/L) (04023)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	HEXA- ZINONE, WATER, DISS, REC (UG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (UG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (UG/L) (04027)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (UG/L) (04030)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)
DATE										
DEC 09...	5.0	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	
FEB 19...	7.6	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	
APR 29...	6.2	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	
MAY 22...	5.5	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	
JUL 17...	11	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	
AUG 13...	5.1	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	

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

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	VERNO- LATE, WATER, DISS, REC (UG/L) (04034)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	AMETRYN WATER, DISS, REC, (UG/L) (38401)
DEC 09...	<.050	<.050	<.050	E.029	<.050	<.050	<.050	E.043	E.056	<.050
FEB 19...	<.050	<.050	<.050	E.022	<.050	<.050	<.050	E.020	<.200	<.050
APR 29...	<.050	<.050	<.050	.079	<.050	<.050	<.050	.055	E.077	<.050
MAY 22...	<.050	<.050	<.050	.139	<.050	<.050	E.031	.132	.221	<.050
JUL 17...	<.050	<.050	<.050	.052	<.050	<.050	.110	.348	.207	<.050
AUG 13...	<.050	<.050	<.050	E.043	<.050	<.050	.073	.155	E.110	<.050
DATE	PROP- AZINE WATER DISS REC (UG/L) (38535)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	2,4-DP TOTAL (UG/L) (82183)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
DEC 09...	<.050	.070	.120	.021	<.010	<.010	<.050	<.050	<.010	<.050
FEB 19...	<.050	E.015	.059	.162	<.010	<.010	<.050	<.050	<.010	<.050
APR 29...	<.050	.188	.565	.070	<.010	<.010	<.050	E.044	<.010	<.050
MAY 22...	E.019	.503	1.6	.064	<.010	<.010	E.013	.134	<.010	<.050
JUL 17...	<.050	.519	.905	<.010	<.010	<.010	<.050	.064	<.010	.052
AUG 13...	<.050	.214	.406	<.010	<.010	<.010	<.050	E.035	<.010	<.050

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

E Estimated.

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT							
15...	1025	--	--	47000	232	29400	100
30...	--	--	--	48000	250	32300	100
NOV							
14...	0900	--	--	59000	120	19000	99
25...	1440	--	--	32000	157	13500	99
DEC							
09...	1030	.21	<.10	34700	177	16700	100
22...	1530	--	--	54000	180	26200	100
JAN							
23...	--	--	--	170000	1062	487000	87
FEB							
05...	1015	--	--	132000	793	282000	92
19...	1027	1.5	<.10	133000	353	127000	83
MAR							
03...	1630	--	--	153000	351	145000	73
APR							
29...	1100	1.3	<.10	150000	230	93100	99
MAY							
07...	1315	--	--	169000	264	120000	76
22...	1000	1.9	<.10	178000	190	91200	99
JUN							
04...	1435	--	--	130000	238	83500	91
JUL							
17...	0900	--	--	116000	--	--	--
28...	1000	--	--	93000	364	91400	99
AUG							
13...	1000	2.1	.13	71200	--	--	--
27...	1310	--	--	65000	240	42000	100
SEP							
09...	1350	--	--	46000	--	--	--
23...	1400	--	--	43000	--	--	--

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA

LOCATION.--Lat. 29°42'09", long 91°12'07", on line between secs. 1 and 6, St. Mary Parish, Hydrologic Unit 08080101, near center of span on downstream side of Southern Railways System bridge at Morgan City, 0.3 mi downstream from U. S. Highway 90, 0.3 mi upstream from Bayou Boeuf, and 1.0 mi. southwest of Morgan City High School. Prior to November 8, 1996, at site 1,200 ft upstream.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to September 1994, October 1996 to September 1997 (elevations and discharge measurements only); October 1994 to September 1996; October 1997 to current year (elevation and discharge). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans District, and National Weather Service.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is sea level. Prior to November 8, 1996, at site 1,200 ft upstream at same datum. Prior to October 1984 at datum 0.34 ft higher and prior to July 1983 at 0.17 ft higher. Prior to October 1981 at NGVD.

REMARKS.--Discharge and elevation affected by tide at all stages. No elevation records: June 7-11, Aug. 8-11. No velocity records: Oct. 3, 5-8, 15-17, 19, 23, Nov. 17, Dec. 6-7, Apr. 7-27, Aug. 8-11, 22, 23, 25. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge recorded, 373,000 ft³/s, June 24, 1995; maximum elevation, 8.54 ft, Aug. 25, 1992, but may have been higher during Hurricane Andrew; minimum, -0.94 ft, Nov. 29, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached an elevation of 10.53 ft, from incomplete record, discharge not determined. Maximum discharge observed during flood of June 8, 1927, 741,000 ft³/s. Minimum elevation, -5.44 ft, Aug. 25, 1926 (affected by storm). All data from records of Corps of Engineers, New Orleans District.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge recorded, 303,000 ft³/s, Apr. 4; maximum elevation, 6.44 ft, May 21; minimum discharge recorded, 59,000 ft³/s, Sep. 24; minimum recorded elevation, Nov. 7, Dec. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	80000	98400	238000	206000	285000	223000	214000	177000	127000	76900
2	---	---	76600	117000	237000	201000	289000	227000	200000	173000	120000	77500
3	---	---	---	116000	234000	206000	288000	232000	201000	174000	110000	---
4	---	---	81700	116000	221000	205000	303000	235000	187000	169000	107000	69100
5	---	---	---	120000	203000	210000	298000	236000	184000	172000	110000	76200
6	---	---	---	121000	191000	225000	294000	231000	---	169000	112000	---
7	---	---	---	138000	147000	219000	---	243000	---	164000	---	---
8	---	---	70200	146000	169000	246000	---	249000	---	169000	---	---
9	---	---	---	142000	157000	232000	---	255000	---	159000	---	---
10	---	79200	---	141000	136000	214000	---	267000	---	176000	---	---
11	---	74300	---	143000	154000	199000	---	---	---	174000	---	---
12	---	77700	---	151000	175000	209000	---	238000	128000	172000	111000	---
13	---	72500	70700	163000	190000	217000	---	237000	155000	167000	105000	---
14	---	85100	---	162000	190000	219000	---	244000	150000	172000	112000	---
15	---	84900	87000	175000	191000	218000	---	255000	152000	174000	121000	71000
16	---	---	90000	188000	196000	214000	---	250000	151000	179000	121000	---
17	---	---	82900	201000	196000	219000	---	245000	150000	178000	112000	---
18	---	---	85500	206000	194000	228000	---	255000	150000	172000	114000	---
19	---	82000	78600	220000	182000	222000	---	---	134000	164000	121000	---
20	---	78800	81300	220000	179000	233000	---	261000	135000	162000	---	---
21	---	76000	---	220000	179000	236000	---	270000	135000	160000	---	---
22	---	86600	89700	226000	182000	239000	---	268000	138000	157000	---	64500
23	---	78700	88600	243000	188000	242000	---	253000	140000	152000	---	70300
24	---	74400	92000	257000	190000	243000	---	252000	143000	147000	---	59800
25	---	78100	112000	257000	187000	245000	---	248000	144000	146000	---	61300
26	---	69900	103000	261000	184000	252000	---	253000	136000	145000	83300	---
27	---	66200	123000	264000	195000	260000	---	226000	149000	---	89300	72200
28	---	72300	93300	258000	201000	273000	223000	226000	160000	---	84400	---
29	---	83700	82300	254000	---	281000	218000	229000	171000	135000	77300	---
30	---	84500	80900	254000	---	286000	230000	224000	175000	131000	75600	---
31	---	---	84300	248000	---	279000	---	220000	---	127000	71800	---
TOTAL	---	---	---	5826400	5286000	7178000	---	---	---	---	---	---
MEAN	---	---	---	187900	188800	231500	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.46	2.05	1.66	1.79	5.37	5.01	5.62	5.60	5.30	4.16	2.80	2.55
2	1.52	1.70	1.75	1.90	5.33	5.01	5.68	5.60	5.13	4.20	2.69	2.63
3	1.72	1.41	1.97	2.05	5.12	4.97	5.74	5.60	4.95	4.26	2.84	3.00
4	1.80	1.30	1.47	2.19	4.94	4.98	5.66	5.58	4.94	4.28	2.93	2.97
5	1.86	1.69	1.27	2.53	4.80	5.06	5.63	5.63	4.83	4.26	2.85	2.64
6	1.94	1.47	1.15	2.74	4.60	5.10	5.70	5.75	---	4.19	2.76	2.44
7	2.15	.95	1.12	3.11	4.44	5.33	5.57	5.82	---	4.21	2.99	2.65
8	2.60	1.24	1.70	3.10	4.30	5.58	5.76	5.83	---	4.25	---	2.88
9	2.59	1.40	1.90	2.97	4.18	5.32	5.71	5.94	---	4.28	---	2.65
10	2.54	1.60	1.88	3.02	4.22	5.14	5.60	5.94	---	4.22	---	2.96
11	2.67	1.59	1.28	3.07	4.49	5.07	5.57	5.88	---	4.17	---	3.88
12	3.10	1.86	1.15	3.25	4.06	4.99	5.58	5.96	3.92	4.15	2.78	4.24
13	2.98	2.22	1.38	3.43	4.00	5.00	5.66	6.04	3.74	4.17	2.58	3.85
14	1.80	1.95	1.20	3.82	3.91	4.97	5.61	6.11	3.78	4.25	2.56	3.69
15	1.68	1.69	1.36	4.10	4.12	4.95	5.62	6.14	3.78	4.25	2.69	3.25
16	1.74	1.24	1.46	4.03	4.37	5.00	5.72	6.11	3.73	4.22	2.67	2.88
17	1.75	1.27	1.56	4.19	4.65	5.20	5.59	6.10	3.67	4.15	2.70	2.79
18	1.92	1.56	1.48	4.35	4.40	5.22	5.51	6.07	3.70	4.08	2.62	2.83
19	1.99	1.58	1.46	4.50	4.35	5.25	5.46	6.09	3.70	4.06	2.69	2.86
20	1.89	1.84	1.51	4.68	4.38	5.18	5.42	6.09	3.65	4.05	2.74	2.74
21	1.79	2.07	2.04	4.86	4.42	5.08	5.40	6.11	3.65	4.03	2.92	2.64
22	1.58	1.79	1.85	5.16	4.76	5.15	5.29	6.13	3.64	4.03	3.12	2.35
23	1.79	1.53	1.93	5.21	4.68	5.21	5.23	6.14	3.67	3.95	3.04	2.10
24	2.47	1.63	2.26	5.29	4.68	5.24	5.18	6.13	3.72	3.85	2.93	2.11
25	2.29	1.57	2.08	5.39	4.77	5.27	5.26	6.16	3.83	3.78	2.79	2.08
26	2.13	1.65	2.29	5.55	4.97	5.32	5.33	6.14	4.35	3.67	2.65	2.26
27	1.44	1.74	2.07	5.59	5.03	5.43	5.34	6.07	4.47	---	2.45	2.13
28	1.67	2.07	2.22	5.56	5.07	5.46	5.49	5.98	4.43	---	2.29	2.59
29	1.85	2.30	2.04	5.57	---	5.51	5.72	5.87	4.25	3.25	2.33	2.07
30	1.74	1.94	1.78	5.47	---	5.58	5.66	5.71	4.20	3.10	2.36	1.87
31	1.99	---	1.78	5.40	---	5.70	---	5.51	---	2.95	2.52	---
MAX	3.10	2.30	2.29	5.59	5.37	5.70	5.76	6.16	---	---	---	4.24
MIN	1.44	.95	1.12	1.79	3.91	4.95	5.18	5.51	---	---	---	1.87

MISSISSIPPI RIVER DELTA
07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1973 to current year.

REMARKS.--All dissolved constituents are results from water that has been filtered through 0.45 micron filters.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to September 1981.

WATER TEMPERATURES-5 FT DEPTH: October 1976 to September 1984, May 1990 to September 1992.

WATER TEMPERATURES-25 FT DEPTH: December 1990 to February 1991.

WATER TEMPERATURES-45 FT DEPTH: December 1990 to February 1991.

CHLORIDE-5 FT DEPTH: October 1974 to September 1984, May 1990 to September 1992.

CHLORIDE-25 FT DEPTH: October 1980 to September 1984, December 1990 to January 1992.

CHLORIDE-45 FT DEPTH: October 1980 to September 1984, December 1990 to January 1992.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 622 micromhos Jan. 21, 1981; minimum daily, 179 micromhos Feb. 23, 1979.

WATER TEMPERATURES-5 FT DEPTH: Maximum daily, 32.0 °C July 28, 1977; minimum daily, 4.0 °C Feb. 9-11, 1978.

CHLORIDE-5 FT DEPTH: Maximum daily, 160 mg/L June 14-16, 1977; minimum daily, 9.7 mg/L May 15, 1991.

CHLORIDE-25 FT DEPTH: Maximum daily, 120 mg/L Nov. 5, 1981; minimum daily, 16 mg/L Dec. 26, 29, 1982, many days during Jan., Feb. 14, 1983.

CHLORIDE-45 FT DEPTH: Maximum daily, 130 mg/L Dec. 9, 1981; minimum daily, 14 mg/L Jan. 26, Mar. 1, May 27, 1983.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A specific conductance of 644 microsiemens was observed June 17, 1987. A water temperature of 32.0 °C was observed Aug. 6, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	
DEC 10...	0920	454	7.80	12.0	10	31	<1.0	11.2	2.7	
FEB 18...	1105	357	7.13	11.0	40	95	<1.0	9.5	1.4	
MAR 31...	1400	376	7.82	15.5	40	--	<1.0	9.1	.5	
APR 28...	1300	383	7.95	17.5	15	69	<1.0	8.0	.4	
MAY 21...	1400	361	7.47	17.5	10	37	<1.0	6.3	1.2	
JUL 16...	1200	371	7.70	29.0	5	140	<1.0	6.6	1.1	
AUG 12...	1300	397	8.25	25.0	15	34	<1.0	6.4	--	
DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 10...	K57	K13	K11	140	35	12	36	3.7	94	--
FEB 18...	220	110	120	97	26	7.9	25	2.4	60	49
MAR 31...	--	K86	22	120	31	9.2	25	2.6	73	49
APR 28...	260	K26	K42	140	38	12	19	2.9	100	44
MAY 21...	250	K4	K44	140	37	11	16	2.8	100	41
JUL 16...	130	K16	60	150	40	12	20	3.5	110	43
AUG 12...	K57	K40	K3	150	40	13	20	3.5	120	46

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

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L ASN) (00630)	
DEC 10...	39	.18	9.3	306	275	--	.010	<.010	.80	
FEB 18...	34	.11	6.0	204	189	140	.012	<.010	.55	
MAR 31...	35	.14	6.3	234	206	150	.020	.016	.81	
APR 28...	24	.16	6.9	246	215	98	<.010	.010	1.7	
MAY 21...	20	.15	6.0	220	200	56	<.010	.011	1.2	
JUL 16...	16	.21	9.9	244	220	220	<.010	<.010	2.3	
AUG 12...	21	.19	8.1	252	231	41	<.010	<.010	1.6	
DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	
DEC 10...	.80	.06	.058	.47	.43	.09	.08	.08	.06	
FEB 18...	.50	.04	.028	.62	.26	.15	<.02	.06	.03	
MAR 31...	.82	.04	.012	.70	.43	.18	.03	.06	.02	
APR 28...	1.7	.01	<.010	.80	.27	.13	.04	.06	.04	
MAY 21...	1.3	.01	.018	.50	.20	.12	.04	.05	.04	
JUL 16...	2.3	.03	.027	.74	.32	.27	.09	.10	.08	
AUG 12...	1.6	<.01	<.010	.38	.22	.11	.07	.10	.08	
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TRI- FLUR- ALIN, WATER, DISS, REC (UG/L) (04023)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	HEXA- ZINONE, WATER, DISS, REC (UG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (UG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (UG/L) (04027)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (UG/L) (04030)	SI- CLOATE, WATER, DISS, REC (UG/L) (04031)
DEC 10...	4.9	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 18...	8.9	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
APR 28...	7.1	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
MAY 21...	5.5	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JUL 16...	7.4	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
AUG 12...	5.3	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	VERNO- LATE, WATER, DISS, REC (UG/L) (04034)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	AMETRYN WATER, DISS, REC, (UG/L) (38401)
DEC 10...	<.050	<.050	<.050	E.031	<.050	<.050	<.050	E.043	<.200	<.050
FEB 18...	<.050	<.050	<.050	E.017	<.050	<.050	<.050	E.020	<.200	<.050
APR 28...	<.050	<.050	<.050	.064	<.050	<.050	<.050	.052	E.075	<.050
MAY 21...	<.050	<.050	<.050	.130	<.050	<.050	E.033	.126	.217	<.050
JUL 16...	<.050	<.050	<.050	E.047	<.050	<.050	.154	.403	E.190	<.050
AUG 12...	<.050	<.050	<.050	E.042	<.050	<.050	.082	.173	E.136	<.050
DATE	PROP- AZINE WATER DISS REC (UG/L) (38535)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	2,4-DP TOTAL (UG/L) (82183)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
DEC 10...	<.050	.068	.110	.10	<.01	<.01	<.050	<.050	<.01	<.050
FEB 18...	<.050	E.016	.064	.19	<.01	<.01	<.050	<.050	<.01	<.050
APR 28...	<.050	.170	.494	.07	<.01	<.01	<.050	E.043	<.01	<.050
MAY 21...	E.017	.457	1.52	.10	<.01	<.01	E.012	.129	<.01	<.050
JUL 16...	<.050	.601	.779	.08	<.01	<.01	<.050	.072	<.01	.053
AUG 12...	<.050	.226	.438	.01	<.01	<.01	E.038	E.031	<.01	<.050

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT						
14...	--	--	37000	178	17800	100
29...	--	--	70000	186	35000	100
NOV						
13...	--	--	74000	136	27000	100
25...	--	--	84000	138	31000	99
DEC						
10...	1.6	<.10	91000	187	46000	100
22...	--	--	95000	185	48000	100
JAN						
06...	--	--	111000	979	290000	99
23...	--	--	232000	1229	770000	88
FEB						
05...	--	--	190000	732	376000	91
18...	1.6	E.08	183000	322	159000	83
MAR						
03...	--	--	210000	317	180000	73
31...	--	--	269000	405	294000	74
APR						
28...	1.3	<.10	222000	321	192000	75
MAY						
07...	--	--	237000	303	194000	70
21...	2.5	<.10	255000	171	118000	96
JUN						
04...	--	--	196000	242	128000	93
17...	--	--	146000	--	--	--
JUL						
01...	--	--	173000	515	241000	95
16...	--	--	179000	372	180000	93
28...	--	--	145000	463	181000	98
AUG						
12...	3.1	.10	116000	230	71900	100
27...	--	--	93000	223	56000	100
SEP						
09...	--	--	84000	--	--	--
23...	--	--	69000	--	--	--

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

MISSISSIPPI RIVER DELTA

073816503 BAYOU PENCHANT SOUTH OF MORGAN CITY, LA

LOCATION.--Lat. 29°35'07", long 91°10'47", sec. 17, T. 17 S., R. 13 E., Terrebonne Parish, Hydrologic Unit 08090302, 7.5 miles south-southeast of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1997 to September 1998.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is NAVD 1988.

REMARKS.--Records poor. Discharge and elevation affected by tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 14,300 ft³/s, Jan. 22, 1998; maximum negative discharge, -5,510 ft³/s, Sept. 12, 1998; maximum elevation, 3.57 ft, Sept. 12, 1998; minimum elevation, 0.02 ft, Dec. 15, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 14,300 ft³/s, Jan. 22; maximum elevation, 3.57 ft, Sept. 12; maximum negative discharge, -5,510 ft³/s, Sept. 12; minimum elevation, 0.02 ft, Dec. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	2380	4950	6370	6980	7770	8420	8150	6100	4680	4020
2	---	---	2510	5060	7550	7450	7650	8380	8000	6040	4690	4290
3	---	---	3050	5230	5490	6820	9580	8480	7500	6180	4590	5610
4	---	---	3170	5940	4700	6730	8260	8960	7580	6530	4710	4180
5	---	---	3390	6990	5480	7360	7860	8130	7120	6720	4460	2550
6	---	---	3000	7010	4740	7430	7900	8500	6790	5460	4780	2320
7	---	---	2920	5810	3420	7120	8310	8970	6550	6610	5370	3030
8	---	---	3430	7140	4620	8440	8620	9280	6260	7090	5820	3840
9	---	---	3340	6290	5470	6320	8810	9000	6910	7720	5190	2580
10	---	---	3850	6930	2870	5450	8230	9150	6710	7220	5430	1630
11	---	---	4340	7050	2630	5710	8230	8180	7040	7630	5240	5050
12	---	---	3970	8070	3130	5790	7650	7990	5830	7010	4630	2270
13	---	---	4430	8270	5040	7000	7050	7830	5780	6620	4690	910
14	---	---	4310	9910	3900	6640	7390	8200	6740	6050	4810	2330
15	---	---	4030	9800	4830	5850	6980	8450	5790	5780	4320	1280
16	---	---	3830	7830	4880	5230	7780	8560	5750	6300	4330	868
17	---	---	3960	8630	4860	7780	7840	8650	5440	5940	4250	3130
18	---	---	3700	9330	4480	7410	7040	8890	5830	6000	3860	4270
19	---	---	3420	10400	5510	7980	7350	9000	5890	6540	3630	4070
20	---	2990	3690	10900	5680	7340	7890	9240	5580	6550	5270	3010
21	---	3150	3770	10300	5600	6550	8380	9590	5690	6930	5470	2850
22	---	2820	4480	10100	6290	7360	7330	10000	5830	6780	5850	2220
23	---	2830	4310	8940	6440	7410	7680	9660	6140	6410	5020	2100
24	---	3000	5450	8440	5890	7900	7240	9190	6010	5790	5200	2760
25	---	3110	4840	7250	5740	7310	7240	8900	6200	5610	4830	3110
26	---	2650	5560	8340	6560	6430	7460	9490	5950	5440	3850	3760
27	---	2650	6240	7290	6530	6720	7060	9510	5220	5600	3550	4420
28	---	2670	5830	7780	7530	7860	8070	9500	4650	5070	3900	6260
29	---	3280	6160	7550	---	7990	8860	9520	4620	4820	3770	2090
30	---	3550	5350	7690	---	7110	7370	8860	5790	4260	3790	2600
31	---	---	5210	5990	---	7390	---	8510	---	4540	4230	---
TOTAL	---	---	127920	241210	146230	216860	234880	274990	187340	191340	144210	93408
MEAN	---	---	4126	7781	5223	6995	7829	8871	6245	6172	4652	3114

MISSISSIPPI RIVER DELTA
 073816503 BAYOU PENCHANT SOUTH OF MORGAN CITY, LA--Continued
 ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.78	1.39	1.02	.70	2.72	2.46	2.82	2.88	2.82	2.15	1.45	1.78
2	.80	1.11	1.06	.83	2.74	2.38	2.85	2.86	2.75	2.18	1.39	1.88
3	.97	.88	1.23	.99	2.59	2.32	2.86	2.83	2.68	2.21	1.60	2.13
4	1.05	.62	.87	1.14	2.48	2.34	2.76	2.80	2.74	2.21	1.70	2.16
5	1.13	.97	.60	1.49	2.39	2.43	2.69	2.82	2.72	2.16	1.66	1.96
6	1.21	.87	.46	1.69	2.27	2.50	2.75	2.90	2.63	2.08	1.61	1.81
7	1.42	.36	.41	2.04	2.17	2.74	2.80	2.92	2.47	2.07	1.72	1.92
8	1.78	.52	.84	1.90	2.14	3.00	2.80	2.91	2.50	2.11	1.72	2.10
9	1.82	.68	1.09	1.73	2.09	2.76	2.74	2.98	2.57	2.14	1.67	1.98
10	1.83	.83	1.14	1.71	2.14	2.54	2.62	2.98	2.50	2.09	1.59	2.26
11	1.93	.85	.64	1.71	2.41	2.45	2.59	2.90	2.46	2.03	1.58	2.86
12	2.19	1.14	.41	1.81	2.10	2.36	2.63	2.94	2.35	2.02	1.56	3.35
13	2.23	1.45	.53	1.93	2.08	2.40	2.72	2.99	2.20	2.05	1.45	3.14
14	1.53	1.29	.37	2.23	1.98	2.38	2.71	3.04	2.22	2.09	1.44	3.03
15	1.21	1.04	.40	2.38	2.16	2.36	2.76	3.05	2.23	2.09	1.57	2.74
16	1.17	.62	.52	2.17	2.35	2.41	2.87	3.02	2.19	2.06	1.56	2.45
17	1.12	.54	.63	2.17	2.57	2.64	2.82	2.99	2.11	1.99	1.59	2.31
18	1.23	.79	.63	2.19	2.35	2.71	2.75	2.97	2.12	1.94	1.55	2.29
19	1.28	.86	.64	2.20	2.25	2.75	2.68	2.98	2.08	1.95	1.62	2.29
20	1.23	1.07	.68	2.29	2.21	2.63	2.63	2.98	2.00	1.96	1.68	2.18
21	1.14	1.28	1.10	2.39	2.18	2.46	2.63	2.99	1.97	1.97	1.86	2.08
22	.99	1.14	1.02	2.63	2.46	2.48	2.50	3.01	1.94	2.02	2.05	1.86
23	1.13	.86	1.12	2.59	2.31	2.49	2.44	3.03	1.92	2.02	2.03	1.63
24	1.57	.92	1.37	2.55	2.26	2.50	2.40	3.04	1.93	1.99	1.98	1.56
25	1.60	.87	1.17	2.60	2.33	2.54	2.47	3.07	2.01	1.94	1.88	1.49
26	1.57	.97	1.24	2.71	2.47	2.57	2.57	3.08	2.45	1.89	1.78	1.62
27	.93	1.00	1.03	2.69	2.55	2.65	2.60	3.08	2.54	1.81	1.61	1.54
28	.97	1.26	1.07	2.68	2.57	2.68	2.75	3.09	2.49	1.76	1.44	1.91
29	1.16	1.56	1.04	2.71	---	2.72	3.01	3.07	2.31	1.70	1.51	1.47
30	1.08	1.33	.71	2.66	---	2.78	2.96	3.01	2.23	1.63	1.57	1.29
31	1.29	---	.70	2.65	---	2.90	---	2.92	---	1.54	1.70	---
MAX	2.23	1.56	1.37	2.71	2.74	3.00	3.01	3.09	2.82	2.21	2.05	3.35
MIN	.78	.36	.37	.70	1.98	2.32	2.40	2.80	1.92	1.54	1.39	1.29

MISSISSIPPI RIVER DELTA

07381695 GULF INTRACOASTAL WATERWAY AT CYPRE MORT, LA

LOCATION.--Lat. 29°46'15", long 91°48'00", T. 15 S., R. 7 E., St. Mary Parish, Hydrologic Unit 08080103, on pier tender at upstream side of bridge crossing the GIWW (Gulf Intracoastal Waterway) at river mile 138 at Cypremort.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1997 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is NAVD 1988.

REMARKS.--Records poor. Discharge and elevation affected by tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 11,000 ft³/s, July 19, 1998; maximum elevation, 5.01 ft, Sept. 12, 1998; maximum negative discharge, -6,420 ft³/s, June 26, 1998; minimum elevation, -1.50 ft, Nov. 16, 1997.

EXTREMES FOR CURRENT YEAR.--Water Year 1997: Maximum positive discharge for the period July to September, 9,680 ft³/s, Sept. 25; maximum elevation, 2.84 ft, Sept. 23; maximum negative discharge, -4,840 ft³/s, Sept. 1; minimum elevation, -1.45 ft, Aug. 15.

Water Year 1998: Maximum positive discharge, 11,000 ft³/s, July 19; maximum elevation, 5.01 ft, Sept. 12; maximum negative discharge, -6,420 ft³/s, June 26; minimum elevation, -1.50 ft, Nov. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR JULY 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											2310	1650
2											1150	2110
3											1560	2190
4											2180	2410
5											2610	1780
6											2230	-274
7											1760	-875
8											1300	208
9											226	766
10											1110	1570
11											1400	686
12											876	577
13											1040	762
14											1720	1550
15											1560	1740
16											1890	1810
17											1950	1610
18											1880	1810
19											2000	649
20											1810	-498
21											2920	-235
22											1520	220
23											1180	-638
24										2400	-140	-54
25										1810	1160	3640
26										1890	1300	4120
27										1700	445	1950
28										2000	1550	919
29										2530	2550	1560
30										2460	2180	920
31										2070	1840	---
TOTAL										---	49067	34633
MEAN										---	1583	1154

MISSISSIPPI RIVER DELTA

07381695 GULF INTRACOASTAL WATERWAY AT CYPRE MORT, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2480	1530	4360	---	1570	2510	2660	2140	2920	2870	1640	-838
2	1170	2860	1710	---	2030	2570	1270	2020	1970	1790	1800	-329
3	868	2690	904	---	3930	3310	1570	1790	2200	866	780	-72
4	281	3150	3310	---	3580	2170	4040	2720	1380	1460	-1500	69
5	250	292	3470	---	2000	1360	2860	2630	1280	2260	1020	-378
6	83	1750	2270	---	3020	2060	1680	472	3150	3600	1670	-372
7	-504	3320	-180	---	2970	168	954	1830	2710	2570	1620	-291
8	-1710	1280	49	---	2670	1680	1410	3080	312	2360	1790	-846
9	-1160	568	1610	---	1420	5990	2930	837	588	2150	2050	825
10	-1470	581	1640	---	2150	4860	3320	3500	1490	2820	1950	-2840
11	-1840	1990	---	---	2540	3640	2450	3310	1200	2840	1850	-2710
12	-2280	306	---	---	3350	3140	1120	2160	1760	2540	1220	-1960
13	52	969	---	---	2170	1780	344	896	1920	2140	1300	-602
14	6330	3050	---	---	1050	1530	1290	498	1550	4270	1850	-740
15	4330	2800	---	---	-1080	1700	1480	1050	1060	2430	2010	20
16	2500	4470	---	---	1260	1800	1180	2740	1970	2370	1520	-123
17	2080	1670	---	---	1600	1670	3350	3270	1540	2750	1850	577
18	1520	642	---	---	2880	2100	2580	4040	572	2470	1880	248
19	683	263	---	---	2050	1460	2900	2680	1360	3150	1530	-250
20	1180	1570	---	---	2460	3720	2220	2170	1500	2610	1250	887
21	1440	1180	---	---	2830	4690	1960	1540	2240	2330	-256	830
22	1800	1740	---	---	165	2570	2810	2030	2520	2130	-678	1030
23	171	2070	---	---	4030	2170	2740	1990	2290	2310	23	1220
24	321	-106	---	---	3000	1830	2350	2680	2420	2250	252	316
25	1590	-583	---	---	2110	1660	1390	2750	2620	2260	1230	-663
26	2070	-763	---	---	548	1410	1180	2850	-940	2620	3710	-554
27	3670	1980	---	---	2260	-429	550	3200	40	1630	5340	-20
28	1500	1300	---	---	1820	1120	1240	3390	1050	1640	5120	1630
29	434	956	---	4120	---	1050	36	2210	2980	945	2550	1070
30	480	3270	---	3830	---	183	2590	3040	1980	467	1770	948
31	583	---	---	3360	---	-313	---	3050	---	1140	632	---
TOTAL	28902	46795	---	---	60383	65159	58454	72563	49632	70038	48773	-3918
MEAN	932	1560	---	---	2157	2102	1948	2341	1654	2259	1573	-131

MISSISSIPPI RIVER DELTA

07381695 GULF INTRACOASTAL WATERWAY AT CYPRE MORT, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR JULY 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											.20	.63
2											.54	.71
3											.50	.63
4											.44	.45
5											.11	.67
6											.15	1.29
7											.40	1.64
8											.48	1.54
9											.83	1.47
10											.51	1.18
11											.45	1.03
12											.59	1.16
13											.53	1.23
14											.57	1.17
15											.76	1.05
16											1.14	1.25
17											1.03	1.27
18											.80	1.23
19											.86	1.42
20											.73	1.52
21											.28	1.53
22											.52	1.51
23											.57	2.00
24										.35	.68	1.75
25										.37	.49	.29
26										.29	.81	.13
27										.16	.94	.75
28										.31	.66	.87
29										.20	.46	.76
30										.10	.56	.72
31										.25	.70	---
MAX										---	1.14	2.00
MIN										---	.11	.13

MISSISSIPPI RIVER DELTA

07381695 GULF INTRACOASTAL WATERWAY AT CYPRE MORT, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.41	1.13	-.02	---	1.72	.41	1.41	1.50	1.06	1.02	.71	1.76
2	.62	.33	.73	---	1.14	.42	1.79	1.36	1.32	1.37	.66	1.72
3	.92	-.10	.93	---	-.20	.11	1.56	1.35	1.45	1.42	1.46	2.19
4	1.02	.15	-.29	---	.49	1.09	.37	.90	2.17	1.30	1.59	2.11
5	1.12	.99	-.26	---	.82	1.23	.70	1.56	1.84	1.00	1.26	1.90
6	1.20	.03	-.30	---	.12	1.31	1.50	1.96	1.00	.64	1.18	1.68
7	1.55	-.52	.22	---	.30	2.23	1.64	1.73	1.05	.88	1.31	2.01
8	2.19	.29	.92	---	.58	1.37	1.53	1.46	1.95	1.02	1.16	2.33
9	1.99	.48	.93	---	.88	-.60	.16	2.23	2.16	1.08	1.11	2.03
10	2.02	.62	.40	---	1.53	-.53	-.05	1.07	1.87	.77	.99	2.95
11	2.29	.58	---	---	.97	.17	.85	1.18	1.99	.66	1.02	3.97
12	2.83	1.00	---	---	.49	.07	1.57	1.64	1.72	.75	1.06	3.94
13	2.22	1.22	---	---	.88	.97	1.96	1.92	1.21	.95	.85	3.24
14	-.28	.44	---	---	.89	.89	1.55	1.96	1.67	.69	.81	2.97
15	.26	.13	---	---	1.78	1.12	1.95	1.86	1.63	.84	1.09	2.49
16	.45	-.69	---	---	1.56	1.92	2.11	1.30	1.46	.63	1.05	2.07
17	.51	.07	---	---	1.68	1.90	.95	1.04	1.69	.45	1.04	1.95
18	.82	.71	---	---	.85	1.69	.73	.81	1.76	.50	1.00	2.07
19	1.07	.41	---	---	.89	1.76	.49	1.19	1.49	.75	1.23	2.21
20	.86	.79	---	---	.63	.06	.97	1.36	1.30	.82	1.41	1.69
21	.77	1.26	---	---	.88	-.28	.86	1.55	1.28	.93	1.81	1.71
22	.47	.46	---	---	1.25	.87	-.01	1.62	1.11	1.08	2.15	1.37
23	1.38	.35	---	---	.09	.95	.19	1.79	1.12	1.13	1.86	1.09
24	1.62	.82	---	---	.55	1.10	.64	1.67	1.16	1.08	1.76	1.39
25	1.60	.81	---	---	1.35	1.28	1.52	1.76	1.56	1.06	1.58	1.51
26	.81	.81	---	---	1.87	1.46	1.90	1.67	2.78	.95	1.39	1.61
27	-.23	.85	---	---	1.29	1.97	1.84	1.48	2.71	.96	1.13	1.04
28	.85	1.36	---	---	1.33	1.59	1.90	1.61	2.02	.96	.95	.99
29	1.15	1.20	---	.64	---	1.82	2.58	1.61	1.24	1.00	1.21	.59
30	1.08	.12	---	.78	---	2.31	1.52	1.36	1.18	1.01	1.38	.77
31	1.29	---	---	1.13	---	2.07	---	1.15	---	.85	1.65	---
MAX	2.83	1.36	---	---	1.87	2.31	2.58	2.23	2.78	1.42	2.15	3.97
MIN	-.28	-.69	---	---	-.20	-.60	-.05	.81	1.00	.45	.66	.59

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'46", in NW 1/4 SW 1/4 sec.4, T.1 S., R.1 E., Louisiana Meridian, Evangeline Parish, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft downstream from Cocodrie Lake dam, 1.0 mi downstream from Chicago, Rock Island and Pacific Railroad Company bridge, 1.5 mi east of Clearwater, 4.0 mi south of Meeker, and 5.0 mi downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi².

PERIOD OF RECORD.--May 1922 to January 1925 (published as "near Meeker"), October 1937 to current year. Monthly discharge only for October 1937 published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1938, drainage area. WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above mean Gulf level (levels by Corps of Engineers) and 39.57 ft above sea level (levels by Louisiana Department of Transportation and Development). See WSP 1731 for history of changes prior to Mar. 28, 1940. January to September 1985, auxiliary nonrecording gage 6.6 mi downstream from base gage at datum 35.10 ft above sea level.

REMARKS.--Records good except for estimated daily discharges which are poor. Slight regulation at low flow by Cocodrie Lake. Several measurements of water temperature were made during the year. Reverse flow: Nov. 13-15, 1922.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	105	741	899	1250	1050	778	437	68	131	75	60
2	92	104	719	870	1220	1030	735	391	65	130	71	60
3	89	100	702	841	1190	999	673	347	62	129	73	58
4	86	99	670	829	1160	972	593	303	60	128	69	57
5	61	98	608	889	1130	946	523	266	59	126	66	55
6	e42	99	548	955	1090	919	463	238	71	125	67	53
7	e30	98	493	1180	1060	910	413	216	73	125	76	53
8	e52	96	470	1380	1030	926	369	195	73	123	78	59
9	97	95	443	1450	1000	942	327	176	71	122	80	62
10	97	96	413	1440	985	938	287	160	68	120	80	63
11	93	94	380	1400	1000	916	255	144	63	118	79	82
12	90	97	347	1460	1010	891	230	132	58	116	77	204
13	88	99	315	1580	998	865	209	121	57	114	75	362
14	86	100	285	1660	974	839	198	114	56	113	72	561
15	85	103	258	1680	957	812	186	110	53	112	70	739
16	83	106	235	1640	969	813	175	104	50	113	69	773
17	81	107	216	1590	990	1020	163	95	48	113	70	754
18	78	108	194	1530	996	1130	175	89	46	113	70	716
19	75	112	180	1480	985	1140	231	84	90	111	71	649
20	74	112	166	1430	969	1120	245	88	132	110	72	568
21	72	114	412	1390	959	1090	241	106	133	107	70	501
22	69	114	716	1470	979	1070	227	102	132	106	68	454
23	66	113	811	1570	1030	1040	211	98	131	105	66	401
24	79	115	929	1580	1050	1010	196	93	131	103	66	354
25	83	115	1020	1530	1040	981	182	89	130	101	64	315
26	87	113	1050	1480	1040	953	169	86	130	98	63	281
27	98	110	1030	1440	1060	924	162	82	129	95	62	251
28	103	129	1010	1400	1060	896	393	79	133	91	60	222
29	104	447	987	1370	---	867	459	78	133	87	59	198
30	106	703	958	1330	---	838	473	74	132	83	59	177
31	106	---	928	1290	---	810	---	70	---	79	61	---
TOTAL	2546	4101	18234	42033	29181	29657	9941	4767	2637	3447	2158	9142
MEAN	82.1	137	588	1356	1042	957	331	154	87.9	111	69.6	305
MAX	106	703	1050	1680	1250	1140	778	437	133	131	80	773
MIN	30	94	166	829	957	810	162	70	46	79	59	53
AC-FT	5050	8130	36170	83370	57880	58820	19720	9460	5230	6840	4280	18130
CFSM	.34	.57	2.45	5.65	4.34	3.99	1.38	.64	.37	.46	.29	1.27
IN.	.39	.64	2.83	6.52	4.52	4.60	1.54	.74	.41	.53	.33	1.42

e Estimated

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1998, BY WATER YEAR (WY)

MEAN	194	306	519	650	687	651	621	560	334	273	227	192
MAX	1174	1979	1738	1780	1379	1287	1672	4052	1175	1921	943	698
(WY)	1985	1986	1983	1983	1974	1997	1995	1953	1989	1989	1975	1979
MIN	53.6	56.0	66.4	103	128	155	118	81.4	57.4	63.1	65.4	58.1
(WY)	1953	1925	1925	1981	1981	1996	1963	1965	1960	1960	1948	1952
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1923 - 1998			
ANNUAL TOTAL	157222				157844							
ANNUAL MEAN	431				432				437			
HIGHEST ANNUAL MEAN									720			
LOWEST ANNUAL MEAN									178			
HIGHEST DAILY MEAN	2110				Mar	1	1680	Jan	15	25000	May	19 1953
LOWEST DAILY MEAN	30e				Oct	7	30e	Oct	7	.00	Nov	13 1922
ANNUAL SEVEN-DAY MINIMUM	57				Sep	17	53	Jun	12	31	Jan	10 1959
INSTANTANEOUS PEAK FLOW												
INSTANTANEOUS PEAK STAGE												
INSTANTANEOUS LOW FLOW												
INSTANTANEOUS LOW STAGE												
ANNUAL RUNOFF (AC-FT)	311800				313100				316300			
ANNUAL RUNOFF (CFSM)	1.79				1.80				1.82			
ANNUAL RUNOFF (INCHES)	24.37				24.47				24.72			
10 PERCENT EXCEEDS	1090				1060				979			
50 PERCENT EXCEEDS	205				144				274			
90 PERCENT EXCEEDS	88				66				86			

a Regulated flow

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.80	6.00	13.07	14.39	17.01	15.45	13.11	9.82	4.98	6.16	5.18	4.88
2	5.76	5.98	12.88	14.16	16.77	15.25	12.72	9.36	4.93	6.15	5.10	4.88
3	5.71	5.91	12.72	13.92	16.54	15.03	12.16	8.93	4.87	6.13	5.13	4.86
4	5.66	5.89	12.43	13.82	16.30	14.81	11.39	8.47	4.82	6.11	5.06	4.83
5	5.16	5.87	11.85	14.31	16.05	14.58	10.69	8.06	4.80	6.09	5.00	4.79
6	---	5.90	11.25	14.83	15.81	14.36	10.08	7.72	5.04	6.07	5.02	4.76
7	---	5.87	10.67	16.43	15.57	14.28	9.58	7.44	5.09	6.06	5.19	4.75
8	---	5.84	10.43	17.81	15.32	14.42	9.14	7.15	5.08	6.03	5.24	4.86
9	5.86	5.81	10.13	18.20	15.08	14.55	8.71	6.87	5.05	6.01	5.29	4.93
10	5.85	5.84	9.82	18.15	14.91	14.52	8.29	6.62	4.99	5.98	5.28	4.95
11	5.79	5.80	9.47	17.94	15.05	14.34	7.93	6.38	4.89	5.95	5.25	5.32
12	5.73	5.85	9.12	18.24	15.12	14.12	7.61	6.18	4.80	5.92	5.21	7.23
13	5.69	5.89	8.79	18.76	15.02	13.90	7.34	5.98	4.77	5.88	5.18	9.24
14	5.66	5.90	8.45	19.04	14.82	13.67	7.18	5.85	4.74	5.87	5.13	11.28
15	5.64	5.97	8.13	19.09	14.68	13.43	7.02	5.79	4.70	5.86	5.08	12.90
16	5.60	6.01	7.84	18.98	14.78	13.43	6.86	5.69	4.63	5.87	5.05	13.19
17	5.56	6.02	7.58	18.79	14.95	15.23	6.67	5.56	4.59	5.88	5.07	13.04
18	5.50	6.04	7.27	18.58	15.01	16.13	6.84	5.45	4.55	5.86	5.08	12.70
19	5.44	6.12	7.06	18.34	14.91	16.19	7.63	5.35	5.43	5.84	5.10	12.11
20	5.43	6.12	6.84	18.11	14.78	16.02	7.80	5.42	6.25	5.81	5.12	11.36
21	5.38	6.16	9.77	17.88	14.70	15.80	7.75	5.75	6.27	5.77	5.07	10.71
22	5.32	6.16	12.84	18.28	14.87	15.57	7.58	5.69	6.25	5.75	5.04	10.24
23	5.26	6.15	13.67	18.72	15.29	15.34	7.37	5.60	6.24	5.73	5.01	9.68
24	5.51	6.18	14.63	18.74	15.47	15.11	7.16	5.51	6.23	5.70	5.00	9.16
25	5.60	6.18	15.34	18.57	15.38	14.88	6.96	5.44	6.22	5.66	4.97	8.70
26	5.68	6.15	15.51	18.37	15.34	14.64	6.77	5.37	6.21	5.61	4.95	8.29
27	5.87	6.07	15.43	18.16	15.49	14.40	6.65	5.28	6.20	5.55	4.93	7.89
28	5.95	6.38	15.26	17.95	15.56	14.16	9.38	5.23	6.19	5.49	4.90	7.52
29	5.98	10.29	15.07	17.73	---	13.91	10.04	5.19	6.20	5.41	4.86	7.18
30	6.00	12.72	14.85	17.49	---	13.66	10.18	5.13	6.18	5.34	4.87	6.87
31	6.01	---	14.62	17.25	---	13.40	---	5.03	---	5.26	4.90	---
MAX	---	12.72	15.51	19.09	17.01	16.19	13.11	9.82	6.27	6.16	5.29	13.19
MIN	---	5.80	6.84	13.82	14.68	13.40	6.65	5.03	4.55	5.26	4.86	4.75

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW 1/4 NW 1/4 sec. 81, T. 5 S., R. 4 E., Louisiana Meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi upstream from Southern Pacific Transportation Company bridge, 1.2 mi upstream from Bayou Carron, 3.5 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi north of Opelousas.

DRAINAGE AREA.--715 mi². See REMARKS.

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

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi upstream from base at same datum.

REMARKS.--Records poor. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi² in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station.

AVERAGE DISCHARGE.--52 years, 1,120 ft³/s, 811,4200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft³/s, May 21, 1953; maximum elevation, 35.29 ft, May 22, 1953; minimum discharge, 70 ft³/s, Oct. 19, 1973; minimum elevation, 10.72 ft, Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,180 ft³/s, Jan. 18, elevation, 28.42 ft; maximum elevation, 29.19 ft, Jan. 14, minimum discharge, unknown, minimum elevation, 16.34 ft, Dec. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	200	2700	2120	3860	2970	860	847	e75	e145	91	e70
2	143	224	2200	1700	3590	2600	812	704	e70	e140	84	e64
3	156	215	1870	1460	3230	2120	742	534	e68	e138	102	e62
4	175	165	1860	1330	2700	1740	643	433	e65	e136	107	e60
5	206	142	1560	2810	2160	1520	584	312	e75	e134	101	e58
6	166	e157	1240	3320	1750	1360	504	e260	e92	e132	96	e65
7	116	139	967	3410	1580	1820	431	e230	e103	e130	111	e70
8	121	131	1070	3700	1410	3140	384	e210	114	e130	124	e85
9	138	129	1250	4110	1210	3230	361	e190	110	e125	127	e120
10	131	131	1100	4460	1190	3110	350	e180	e105	e120	118	172
11	143	133	924	4680	2230	2860	319	e160	e90	e118	e110	276
12	155	197	730	4670	2600	2420	303	e150	e88	e120	e103	2130
13	192	276	593	4640	2460	1860	315	e140	e85	e125	e100	3020
14	226	255	503	4730	2150	1480	304	e130	e80	170	e95	3130
15	199	276	451	4920	1890	1260	257	e123	e75	287	e90	3040
16	177	240	392	5070	2710	1210	165	e110	e70	148	e93	2830
17	193	202	366	5150	3220	2850	164	e100	e65	115	e95	2500
18	202	196	376	5150	3280	3320	207	e90	e120	118	e100	1960
19	189	260	399	5100	3200	3370	301	e110	e170	107	e95	1440
20	146	268	376	4980	3100	3300	379	e140	e160	100	e90	1100
21	147	494	875	4830	2840	3020	450	e120	e155	113	e85	828
22	158	607	2320	4590	2830	2500	410	e110	e150	141	e80	703
23	168	403	2490	4530	3310	2040	377	e100	e148	144	e78	626
24	272	335	3320	4530	3390	1760	332	e95	e144	116	e75	484
25	415	390	3490	4600	3430	1540	316	e90	e140	126	e73	401
26	515	353	3550	4650	3260	1330	284	e88	e150	123	e70	350
27	531	263	3590	4630	3230	1170	266	e85	e170	111	e68	333
28	402	254	3590	4510	3190	1140	903	e85	e165	96	e65	245
29	300	1390	3470	4390	---	1090	1380	e83	e160	105	e63	171
30	235	2790	3140	4260	---	1020	993	e80	e150	104	e60	120
31	215	---	2680	4080	---	950	---	e78	---	91	e65	---
TOTAL	6664	11215	53442	127110	75000	65100	14096	6167	3412	4008	2814	26513
MEAN	215	374	1724	4100	2679	2100	470	199	114	129	90.8	884
MAX	531	2790	3590	5150	3860	3370	1380	847	170	287	127	3130
MIN	116	129	366	1330	1190	950	164	78	65	91	60	58
AC-FT	13220	22240	106000	252100	148800	129100	27960	12230	6770	7950	5580	52590

e Estimated

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION, IN FEET SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.32	18.15	21.37	20.86	24.77	22.96	18.80	19.21	18.38	18.40	18.34	18.35
2	18.32	18.05	20.17	19.76	24.05	21.93	18.80	18.95	18.38	18.41	18.30	18.33
3	18.32	17.97	19.23	18.94	22.99	20.64	18.70	18.70	18.38	18.41	18.31	18.32
4	18.34	18.13	19.29	18.93	21.83	19.71	18.61	18.60	18.36	18.41	18.32	18.34
5	18.38	18.27	18.83	23.16	20.73	19.29	18.61	18.60	18.36	18.41	18.34	18.32
6	18.37	---	18.05	24.87	19.90	19.02	18.52	18.52	18.40	18.41	18.35	18.30
7	18.32	18.29	17.38	27.31	19.50	19.87	18.45	18.53	18.42	18.40	18.35	18.29
8	18.29	18.30	17.47	27.93	19.06	23.01	18.41	18.50	18.47	18.40	18.35	18.28
9	18.29	18.30	18.20	28.09	18.80	23.55	18.47	18.53	18.47	18.40	18.39	18.28
10	18.30	18.32	17.88	27.93	19.06	23.31	18.47	18.51	18.33	18.37	18.43	18.30
11	18.29	18.33	17.32	27.65	21.43	22.48	18.44	18.47	18.33	18.36	18.43	18.63
12	18.30	18.32	16.92	28.44	22.07	21.32	18.40	18.46	18.37	18.37	18.43	23.35
13	18.36	18.08	17.18	29.05	21.63	20.06	18.42	18.48	18.35	18.36	18.43	24.55
14	18.40	18.18	17.09	29.18	20.75	19.45	18.42	18.48	18.34	18.41	18.45	24.66
15	18.37	18.26	16.79	29.12	20.19	19.01	18.38	18.45	18.34	18.56	18.48	24.02
16	18.34	18.26	16.58	28.89	22.67	19.25	18.34	18.41	18.32	18.55	18.45	22.95
17	18.33	18.21	16.87	28.64	24.07	23.01	18.32	18.39	18.32	18.51	18.42	21.82
18	18.35	18.15	16.88	28.35	24.20	24.08	18.32	18.44	18.31	18.47	18.42	20.53
19	18.35	18.23	16.93	28.00	23.77	24.13	18.46	18.43	18.31	18.44	18.42	19.61
20	18.33	18.32	16.54	27.61	23.13	23.58	18.49	18.44	18.32	18.41	18.43	19.03
21	18.30	18.72	17.64	27.17	22.36	22.56	18.54	18.47	18.35	18.42	18.45	18.81
22	18.30	19.06	20.58	27.53	23.22	21.43	18.45	18.46	18.35	18.44	18.42	18.80
23	18.29	18.60	21.23	27.71	24.65	20.52	18.38	18.47	18.36	18.45	18.40	18.71
24	18.38	18.18	24.05	27.73	24.87	19.58	18.42	18.47	18.36	18.43	18.39	18.56
25	18.63	18.20	24.67	27.45	24.50	18.99	18.42	18.46	18.35	18.43	18.38	18.56
26	18.77	18.20	24.77	27.15	24.19	18.73	18.41	18.46	18.33	18.41	18.37	18.47
27	18.71	18.03	24.91	26.91	24.26	18.87	18.40	18.44	18.35	18.40	18.36	18.07
28	18.45	17.85	24.60	26.63	23.74	19.19	19.69	18.42	18.37	18.39	18.36	17.90
29	18.35	18.90	24.01	26.27	---	19.11	20.06	18.41	18.38	18.38	18.37	17.89
30	18.30	21.26	23.19	25.83	---	18.99	19.36	18.40	18.39	18.36	18.37	18.25
31	18.25	---	22.06	25.33	---	18.87	---	18.39	---	18.35	18.37	---
MAX	18.77	---	24.91	29.18	24.87	24.13	20.06	19.21	18.47	18.56	18.48	24.66
MIN	18.25	---	16.54	18.93	18.80	18.73	18.32	18.39	18.31	18.35	18.30	17.89

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE 1/4 sec.29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaises.

DRAINAGE AREA.--270 mi². See REMARKS.

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

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft higher. Water-stage recorder for Bayou des Glaises diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Records good except for estimated discharges, which are fair above 50 cfs and poor below. Diversion channel carries natural flow of Bayou des Glaises except when operation of floodgates, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi downstream. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--55 years, 441 ft³/s, 319,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft³/s, May 18, 1953, gage height, 22.68 ft, present datum; minimum, 2.7 ft/s, Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 2,250 ft³/s, Jan. 7, gage height, 18.97; maximum gage height, 19.04 ft, Jan. 7; minimum not determined, occurred during a period of indefinite stage discharge relationship.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	e7.5	959	e1080	952	e1170	200	825	24	44	32	46
2	23	e7.5	988	1000	1050	e1080	186	788	20	40	31	52
3	22	e7.2	e1100	921	977	e990	175	692	e17	37	31	48
4	20	e7.0	e1140	900	906	e920	132	490	e15	48	34	43
5	20	e6.5	e1080	1450	832	e865	120	325	e21	68	47	40
6	19	e6.0	985	1390	731	e800	123	220	34	64	37	37
7	17	e7.0	923	1950	514	905	120	144	116	55	36	36
8	16	e6.0	e1020	1840	343	1020	109	97	187	41	101	35
9	17	e5.0	920	1740	246	992	100	84	134	34	222	37
10	18	e6.5	804	1710	271	917	101	66	101	31	243	42
11	17	e7.0	583	1700	964	870	78	79	69	e29	251	79
12	19	e8.5	303	1800	858	817	42	146	45	e27	191	e780
13	23	e10	193	1900	802	745	26	214	36	e25	129	e950
14	29	e11	134	1900	732	594	20	200	e31	e30	100	e1000
15	33	13	97	1900	685	440	44	154	e28	138	98	e985
16	29	e11	73	1870	e1400	441	54	113	e25	149	89	e950
17	30	e9.5	105	1820	1240	e1200	65	84	e22	97	87	e915
18	28	e12	244	1730	1060	1010	66	81	e20	65	73	e855
19	22	23	137	1610	1000	998	123	69	e19	52	75	e810
20	15	16	88	1510	960	1030	283	70	e17.5	54	55	e750
21	11	31	449	1420	1030	1050	242	56	e16	51	43	e645
22	e9.2	26	872	1910	1580	1030	142	45	e15	42	42	e550
23	e8.0	14	1290	1840	1590	987	84	45	e14.5	33	45	e460
24	e85	11	1680	1710	1260	928	60	52	e13.8	30	60	370
25	375	9.5	1460	1660	1140	861	42	56	e13.3	29	54	224
26	501	8.5	1390	1620	1300	791	33	65	e13	32	46	118
27	330	8.4	1460	1580	1440	648	80	64	e14	54	49	85
28	158	9.4	1410	1480	e1280	462	347	45	e16	57	40	73
29	65	782	1310	1380	---	340	799	37	e24	45	52	64
30	e24	973	e1230	1240	---	275	839	36	39	34	65	57
31	e9.5	---	e1160	1060	---	239	---	32	---	34	52	---
TOTAL	2018.7	2060.0	25587	48621	27143	25415	4835	5474	1160.1	1569	2510	11136
MEAN	65.1	68.7	825	1568	969	820	161	177	38.7	50.6	81.0	371
MAX	501	973	1680	1950	1590	1200	839	825	187	149	251	1000
MIN	8.0	5.0	73	900	246	239	20	32	13	25	31	35
AC-FT	4000	4090	50750	96440	53840	50410	9590	10860	2300	3110	4980	22090
CAL YR 1997	TOTAL 181250.7		MEAN 497		MAX 2230		MIN 5.0		AC-FT 359500			
WTR YR 1998	TOTAL 157528.8		MEAN 432		MAX 1950		MIN 5.0		AC-FT 312500			

e Estimated

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.14	1.23	8.42	9.06	9.12	9.61	3.45	7.45	1.62	1.82	1.63	1.85
2	2.08	1.23	8.57	8.65	8.72	9.26	3.35	7.24	1.55	1.76	1.61	1.93
3	2.06	1.25	9.16	8.22	8.33	8.88	3.26	6.66	---	1.71	1.60	1.88
4	2.04	1.28	9.32	8.29	7.92	8.51	2.93	5.39	---	1.88	1.66	1.80
5	2.03	1.29	8.87	13.76	7.49	8.13	2.83	4.27	---	2.14	1.86	1.76
6	2.00	1.30	8.56	13.63	6.90	7.73	2.86	3.50	1.78	2.11	1.71	1.71
7	1.98	1.33	8.23	18.79	5.55	9.40	2.84	2.90	2.64	1.97	1.68	1.69
8	1.95	1.31	8.99	17.33	4.40	10.39	2.74	2.51	3.24	1.77	2.45	1.68
9	1.96	1.31	8.21	15.16	3.69	8.43	2.66	2.38	2.80	1.66	3.51	1.71
10	1.98	1.38	7.58	13.39	3.84	7.99	2.68	2.21	2.49	1.61	3.67	1.78
11	1.98	1.40	6.28	12.65	8.25	7.71	2.46	2.33	2.16	---	3.73	2.18
12	2.01	1.49	4.39	13.74	7.64	7.41	2.03	2.92	1.84	---	3.27	10.46
13	2.08	1.62	3.53	13.94	7.32	6.98	1.78	3.45	1.70	---	2.75	9.93
14	2.18	1.63	3.06	13.57	6.91	6.06	1.69	3.35	---	---	2.49	8.46
15	2.24	1.73	2.77	13.66	6.95	5.09	2.05	2.98	---	2.81	2.47	8.17
16	2.18	1.66	2.57	13.16	12.34	5.07	2.19	2.65	---	2.93	2.38	8.30
17	2.21	1.58	2.80	12.54	11.67	9.72	2.33	2.39	---	2.45	2.35	8.35
18	2.16	1.64	3.93	12.01	9.62	8.53	2.34	2.36	---	2.10	2.21	8.24
19	2.06	1.95	3.09	11.55	8.98	8.44	2.83	2.24	---	1.94	2.23	8.00
20	1.92	1.81	2.70	11.09	9.14	8.65	4.04	2.25	---	1.96	1.98	7.69
21	1.79	2.04	5.22	10.67	8.65	8.73	3.75	2.08	---	1.92	1.80	7.30
22	1.72	2.00	7.95	15.42	11.28	8.65	3.01	1.95	---	1.79	1.79	6.70
23	1.70	1.75	10.72	14.50	11.58	8.39	2.52	1.93	---	1.64	1.83	5.60
24	2.87	1.67	15.69	12.52	9.93	8.05	2.27	2.03	---	1.60	2.05	4.59
25	4.92	1.64	12.86	11.76	9.62	7.66	2.03	2.08	---	1.58	1.97	3.52
26	5.77	1.61	10.96	11.58	10.51	7.25	1.90	2.19	---	1.63	1.84	2.63
27	4.59	1.61	11.32	11.42	11.04	6.39	---	2.18	---	1.96	1.89	2.29
28	3.25	1.63	10.64	10.94	10.01	5.23	---	1.93	---	2.01	1.76	2.14
29	2.49	7.33	10.22	10.47	---	4.43	7.30	1.83	---	1.82	1.94	2.03
30	1.77	8.49	9.86	9.99	---	3.98	7.54	1.82	1.75	1.66	2.11	1.93
31	1.29	---	9.47	9.55	---	3.73	---	1.75	---	1.65	1.94	---
MAX	5.77	8.49	15.69	18.79	12.34	10.39	---	7.45	---	---	3.73	10.46
MIN	1.29	1.23	2.57	8.22	3.69	3.73	---	1.75	---	---	1.60	1.68

MISSISSIPPI RIVER DELTA

07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'57", long 91 49'53", in SW 1/4 NW 1/4 sec. 2, T. 6 S., R. 6 E., St. Landry Parish, Hydrologic Unit 08080101, on downstream side of bridge on U.S. Highway 71, 1.7 mi upstream from Slow Bayou, 2.0 mi northwest of the junction of U.S. Highways 71 and 190, and 5.0 mi northwest of town of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft, May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.78 ft, Jan. 15; minimum, 11.18 ft, Oct. 12.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.35	11.93	13.33	15.29	16.93	16.59	13.77	---	---	11.78	12.01	12.40
2	11.31	11.91	13.62	15.04	16.79	16.46	13.73	---	---	11.78	11.99	12.30
3	11.28	11.86	13.69	14.78	16.61	16.30	13.71	---	---	11.82	11.95	12.21
4	11.26	11.82	13.69	14.54	16.42	16.09	13.67	---	---	11.87	11.92	12.12
5	11.24	11.79	13.71	15.83	16.21	15.84	13.66	---	---	11.88	11.89	12.04
6	11.24	11.76	13.66	16.43	15.94	15.57	13.67	---	---	11.90	11.87	12.00
7	11.23	11.71	13.55	17.06	15.69	15.37	13.67	---	---	11.91	11.88	12.04
8	11.21	11.66	13.49	17.21	15.43	15.35	13.66	---	---	11.92	11.90	12.02
9	11.20	11.62	13.53	17.29	15.17	15.39	13.64	---	---	11.93	11.97	11.96
10	11.20	11.60	13.66	17.32	14.95	15.42	13.62	---	---	11.91	12.08	11.94
11	11.20	11.57	13.64	17.31	15.06	15.41	13.61	---	12.47	11.90	12.14	12.53
12	11.19	11.65	13.51	17.60	15.14	15.36	13.60	---	12.41	11.89	12.19	14.82
13	11.22	11.66	13.29	17.73	15.15	15.23	13.55	---	12.34	11.88	12.29	15.58
14	11.25	11.63	13.09	17.74	15.06	15.03	13.51	---	12.27	11.89	12.39	15.81
15	11.23	11.60	12.93	17.76	15.02	14.81	13.49	---	12.23	11.92	12.56	15.88
16	11.23	11.59	12.78	17.71	15.61	14.61	13.47	---	12.18	11.96	12.64	15.81
17	11.23	11.58	12.66	17.65	16.01	14.99	13.43	---	12.11	12.04	12.65	15.69
18	11.24	11.59	12.55	17.56	16.17	15.18	13.68	---	12.07	12.10	12.64	15.55
19	11.25	11.63	12.45	17.48	16.16	15.23	14.30	---	12.05	12.12	12.63	15.35
20	11.26	11.63	12.36	17.40	16.10	15.19	---	---	12.02	12.13	12.58	15.05
21	11.26	11.80	12.53	17.31	16.04	15.08	---	---	12.00	12.11	12.54	14.71
22	11.27	12.27	13.22	17.48	16.20	14.91	---	---	11.97	12.10	12.61	14.35
23	11.27	12.57	13.96	17.50	16.41	14.71	---	---	11.93	12.10	12.67	14.03
24	11.33	12.84	15.17	17.49	16.44	14.59	---	---	11.90	12.11	12.75	13.78
25	11.37	12.96	15.49	17.45	16.42	14.45	---	---	11.88	12.10	12.86	13.57
26	11.55	12.95	15.60	17.46	16.54	14.32	---	---	11.87	12.12	12.90	13.40
27	11.58	12.90	15.82	17.43	16.74	14.18	---	---	11.85	12.11	12.87	13.25
28	11.68	12.84	15.88	17.38	16.69	14.03	---	---	11.84	12.08	12.80	13.11
29	11.80	12.86	15.84	17.30	---	13.92	---	---	11.81	12.06	12.70	12.99
30	11.89	12.91	15.74	17.21	---	13.85	---	---	11.79	12.05	12.59	12.90
31	11.93	---	15.56	17.08	---	13.81	---	---	---	12.04	12.49	---
MAX	11.93	12.96	15.88	17.76	16.93	16.59	---	---	---	12.13	12.90	15.88
MIN	11.19	11.57	12.36	14.54	14.95	13.81	---	---	---	11.78	11.87	11.94

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner sec. 63, T. 7 S., R. 5 E., Louisiana Meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft upstream from Bayou Fusilier.

DRAINAGE AREA.--Approximately 1,530 mi². See REMARKS.

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

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder, May 26, 1960 to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station. Prior to Feb. 4, 1953, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good. Indefinite stage-discharge: Sept. 16. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at Weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi², into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion freshwater diversion canal operational during the year anytime the flow in Bayou Courtableau does not bypass by way of the Courtableau Weirs near Krotz Springs. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--49 years, 894 ft³/s, 647,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s, May 24, 1953; maximum elevation, 24.27 ft, May 23, 1953; minimum discharge, 53 ft³/s, Aug. 12, 1965, minimum elevation, 6.78 ft, Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,810 ft³/s, Jan. 12; maximum elevation, 20.85 ft, Jan. 7; minimum discharge, 692 ft³/s, Dec. 20, 21; minimum elevation, 12.58 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	983	970	1090	1110	1370	1390	1020	1130	1000	1000	993	1010
2	980	953	1010	1030	1330	1260	1030	1110	1000	1010	989	1000
3	984	938	924	923	1270	1150	1030	1080	1010	1010	987	1000
4	986	947	894	975	1190	1060	1020	1030	1000	1010	987	1000
5	991	970	890	1190	1120	1030	1020	1030	998	1010	988	1000
6	994	981	833	1130	1070	997	1020	1030	1010	1010	989	1000
7	990	980	769	1650	1030	1090	1020	1030	1000	1010	1000	1000
8	984	981	771	1430	986	1230	1010	1030	1010	1010	999	1000
9	985	983	808	1530	950	1280	1020	1030	1020	1010	1000	999
10	988	985	813	1560	1020	1260	1030	1030	997	1010	1010	1010
11	987	981	758	1550	1200	1210	1020	1020	981	1000	1010	1260
12	989	1020	712	2370	1220	1140	1020	1020	994	1000	1010	1470
13	1000	966	750	2170	1150	1050	1020	1020	991	999	1020	847
14	1010	952	773	1960	1090	1050	1020	1020	987	1010	1050	809
15	996	962	746	1990	1130	1020	1010	1020	987	1020	1070	803
16	991	965	711	1910	1490	1100	1010	1010	986	1030	1040	e1250
17	988	961	734	1850	1670	1580	1010	1000	984	1020	1020	1710
18	991	956	750	1890	1550	1520	1040	1010	986	1010	1010	1450
19	994	964	762	1850	1390	1390	1130	1010	987	1010	1020	1260
20	994	972	721	1720	1290	1310	1050	1010	986	999	1020	1140
21	991	1030	874	1600	1230	1250	1030	1020	989	999	1020	1080
22	988	1120	1010	2090	1540	1190	1020	1020	992	1010	1020	1080
23	988	1060	1130	1610	1740	1150	1010	1020	995	1010	1010	1070
24	998	998	1590	1620	1630	1050	1010	1020	996	1010	1010	1040
25	1030	974	1540	1730	1470	967	1010	1020	996	1010	1010	1020
26	1060	981	1450	1940	1560	931	1020	1020	998	1000	1010	1000
27	1040	969	1610	1860	1760	950	1020	1020	1000	1000	1010	956
28	1010	945	1490	1730	1590	1040	1270	1020	1010	998	1010	904
29	997	965	1360	1590	---	1050	1260	1010	1010	996	1010	885
30	989	1070	1270	1490	---	1040	1160	1010	1000	994	1010	923
31	985	---	1190	1420	---	1030	---	1010	---	992	1010	---
TOTAL	30881	29499	30733	50468	37036	35765	31360	31860	29900	31207	31342	31976
MEAN	996	983	991	1628	1323	1154	1045	1028	997	1007	1011	1066
MAX	1060	1120	1610	2370	1760	1580	1270	1130	1020	1030	1070	1710
MIN	980	938	711	923	950	931	1010	1000	981	992	987	803
AC-FT	61250	58510	60960	100100	73460	70940	62200	63190	59310	61900	62170	63420

e Estimated

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.84	13.79	14.32	14.39	15.47	15.55	14.01	14.46	13.93	13.93	13.89	13.95
2	13.83	13.72	13.96	14.04	15.30	14.99	14.05	14.36	13.93	13.94	13.87	13.93
3	13.85	13.65	13.59	13.59	15.05	14.54	14.03	14.24	13.94	13.95	13.86	13.92
4	13.86	13.69	13.46	13.80	14.73	14.15	13.99	14.04	13.92	13.95	13.86	13.93
5	13.88	13.79	13.44	18.69	14.44	14.02	14.02	14.05	13.91	13.94	13.86	13.93
6	13.89	13.84	13.19	19.31	14.20	13.90	14.01	14.03	13.95	13.95	13.87	13.92
7	13.88	13.83	12.91	20.75	14.05	14.28	13.98	14.04	13.93	13.94	13.92	13.93
8	13.85	13.83	12.92	20.74	13.86	14.89	13.97	14.04	13.96	13.94	13.91	13.92
9	13.85	13.84	13.08	20.31	13.70	15.09	14.02	14.03	13.98	13.96	13.91	13.91
10	13.87	13.85	13.10	19.62	14.00	15.01	14.03	14.03	13.90	13.94	13.95	13.96
11	13.86	13.84	12.86	18.86	14.76	14.79	14.01	13.99	13.84	13.93	13.96	15.00
12	13.87	14.01	12.67	19.59	14.83	14.49	14.00	13.99	13.89	13.92	13.95	19.34
13	13.92	13.77	12.83	20.15	14.55	14.14	14.00	14.00	13.88	13.91	14.00	19.65
14	13.94	13.71	12.93	19.95	14.29	14.14	14.00	14.01	13.86	13.94	14.13	19.30
15	13.90	13.75	12.81	19.73	14.47	14.01	13.98	14.00	13.86	14.02	14.20	18.69
16	13.88	13.77	12.66	19.23	15.96	14.35	13.96	13.96	13.86	14.04	14.08	17.87
17	13.87	13.75	12.76	18.60	16.66	16.31	13.96	13.93	13.85	14.00	13.99	16.85
18	13.88	13.73	12.83	17.98	16.19	16.09	14.11	13.96	13.86	13.97	13.97	15.80
19	13.89	13.76	12.88	17.41	15.55	15.55	14.44	13.97	13.86	13.94	13.99	15.01
20	13.89	13.80	12.70	16.88	15.14	15.20	14.13	13.96	13.86	13.91	13.98	14.51
21	13.88	14.05	13.37	16.41	14.87	14.94	14.04	13.99	13.87	13.91	13.99	14.27
22	13.87	14.42	13.97	18.59	16.13	14.71	14.00	13.99	13.88	13.95	13.99	14.26
23	13.87	14.18	14.44	19.33	16.98	14.55	13.94	13.99	13.90	13.96	13.97	14.22
24	13.91	13.91	16.38	18.91	16.52	14.12	13.94	14.00	13.90	13.95	13.98	14.09
25	14.02	13.81	16.18	18.23	15.89	13.78	13.97	13.99	13.90	13.96	13.95	13.99
26	14.17	13.84	15.81	17.75	16.23	13.62	13.99	14.00	13.91	13.93	13.95	13.92
27	14.09	13.78	16.44	17.46	17.03	13.70	13.99	14.00	13.92	13.92	13.96	13.73
28	13.96	13.68	15.94	16.90	16.37	14.07	15.05	13.98	13.94	13.91	13.96	13.50
29	13.90	13.77	15.41	16.36	---	14.11	15.02	13.98	13.94	13.90	13.95	13.42
30	13.87	14.21	15.04	15.96	---	14.08	14.58	13.97	13.94	13.89	13.96	13.59
31	13.85	---	14.70	15.68	---	14.06	---	13.95	---	13.88	13.96	---
MAX	14.17	14.42	16.44	20.75	17.03	16.31	15.05	14.46	13.98	14.04	14.20	19.65
MIN	13.83	13.65	12.66	13.59	13.70	13.62	13.94	13.93	13.84	13.88	13.86	13.42

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.--Indeterminate.

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 below sea level. Water-stage recorder for Bayou Teche at Keystone Lock lower gage (station 07385702) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharge. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion freshwater diversion operational during the year anytime the flow in Bayou Courtableau does not bypass by way of Courtableau weirs near Krotz Springs. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water from irrigation is diverted through Ruth Canal (Station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft to 9.47 ft in June 1957. Dam submerged, Oct. 26-27, Apr. 27-28.

AVERAGE DISCHARGE.--39 years, 494 ft³/s, 357,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s, Sept. 5, 1973, maximum gage height, 16.15 ft, Oct. 23, 1984; minimum discharge, no flow at times in 1962-64, 1972, and 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1913, 24.30 ft, May 27, 1927; minimum, 0.75 ft, July 18, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,450 ft³/s, Sept. 12, gage height, 12.38 ft; minimum discharge, 183 ft³/s, June 14, 17, gage height, 9.97 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	226	302	531	700	860	949	358	769	236	228	230	225
2	224	284	522	647	884	837	334	759	231	223	226	230
3	271	273	478	480	795	763	343	670	228	231	219	227
4	283	265	439	546	737	696	335	422	234	232	224	232
5	289	276	427	1870	697	673	318	379	222	228	231	237
6	293	297	406	1750	656	722	315	379	249	222	235	239
7	291	289	371	2150	623	1210	322	378	232	210	240	232
8	292	282	391	1840	602	889	320	380	218	207	248	215
9	302	280	294	1740	579	823	321	363	232	209	242	215
10	305	274	301	1630	640	815	316	381	237	207	247	259
11	308	223	285	1480	821	794	302	361	236	198	247	856
12	315	351	255	1770	753	760	297	356	234	191	245	2130
13	366	286	246	1850	725	716	317	362	205	191	258	1640
14	347	227	271	1790	686	685	328	358	193	208	323	1500
15	306	215	272	1760	837	668	320	339	196	218	378	1400
16	296	209	252	1570	1120	880	326	309	199	223	331	1280
17	290	203	249	1430	1150	1350	329	300	195	221	277	1130
18	293	214	266	1300	1030	1080	364	275	196	213	258	974
19	296	246	279	1200	924	966	450	246	202	210	291	857
20	302	223	283	1100	838	877	396	240	197	208	251	748
21	303	431	714	1010	779	833	352	248	202	208	242	682
22	298	672	573	1570	1240	793	326	249	224	219	245	673
23	292	562	618	1510	1140	764	304	250	221	251	234	674
24	322	502	1070	1460	1080	729	295	252	221	240	229	604
25	313	470	1010	1360	983	650	335	252	220	240	222	420
26	371	468	949	1320	981	486	351	257	236	232	219	382
27	348	463	1030	1220	1120	307	362	260	250	231	216	358
28	319	460	965	1110	1070	331	833	254	256	230	213	312
29	310	496	878	1020	---	358	1010	254	252	236	212	271
30	305	492	803	938	---	346	846	251	240	234	215	263
31	301	---	753	881	---	378	---	246	---	229	219	---
TOTAL	9377	10235	16181	42002	24350	23128	11725	10799	6694	6828	7667	19465
MEAN	302	341	522	1355	870	746	391	348	223	220	247	649
MAX	371	672	1070	2150	1240	1350	1010	769	256	251	378	2130
MIN	224	203	246	480	579	307	295	240	193	191	212	215
AC-FT	18600	20300	32100	83310	48300	45870	23260	21420	13280	13540	15210	38610

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.04	10.16	10.45	10.64	10.80	10.87	10.19	10.67	10.06	10.05	10.05	10.04
2	10.04	10.14	10.44	10.58	10.83	10.76	10.16	10.66	10.05	10.04	10.05	10.05
3	10.12	10.12	10.39	10.39	10.74	10.68	10.17	10.56	10.05	10.05	10.03	10.05
4	10.13	10.11	10.34	10.45	10.68	10.61	10.16	10.28	10.06	10.06	10.04	10.06
5	10.14	10.12	10.33	11.64	10.63	10.59	10.13	10.23	10.04	10.05	10.05	10.06
6	10.15	10.15	10.30	11.55	10.59	10.63	10.13	10.23	10.08	10.04	10.06	10.07
7	10.15	10.14	10.25	11.83	10.55	11.08	10.14	10.23	10.05	10.02	10.07	10.06
8	10.15	10.13	10.28	11.62	10.53	10.80	10.14	10.24	10.03	10.01	10.08	10.03
9	10.16	10.13	10.15	11.54	10.50	10.73	10.13	10.21	10.05	10.02	10.07	10.03
10	10.16	10.12	10.16	11.46	10.56	10.73	10.12	10.24	10.06	10.01	10.08	10.09
11	10.17	10.04	10.14	11.35	10.75	10.70	10.10	10.21	10.06	10.00	10.08	10.77
12	10.18	10.22	10.09	11.56	10.68	10.67	10.09	10.20	10.06	9.98	10.08	12.06
13	10.25	10.14	10.08	11.63	10.65	10.62	10.12	10.21	10.01	9.98	10.10	11.47
14	10.22	10.05	10.12	11.58	10.61	10.59	10.14	10.22	9.99	10.01	10.19	11.36
15	10.17	10.03	10.12	11.56	10.76	10.57	10.13	10.19	9.99	10.03	10.26	11.28
16	10.15	10.01	10.09	11.41	11.04	10.76	10.14	10.15	10.00	10.04	10.20	11.18
17	10.14	10.01	10.08	11.31	11.06	11.20	10.14	10.14	9.99	10.04	10.13	11.06
18	10.15	10.02	10.11	11.20	10.95	10.97	10.18	10.10	9.99	10.02	10.09	10.91
19	10.15	10.08	10.13	11.11	10.86	10.86	10.30	10.06	10.00	10.02	10.14	10.80
20	10.16	10.04	10.13	11.02	10.77	10.78	10.24	10.05	9.99	10.01	10.09	10.69
21	10.16	10.30	10.63	10.95	10.71	10.73	10.18	10.06	10.00	10.01	10.07	10.62
22	10.16	10.61	10.50	11.41	11.12	10.69	10.14	10.07	10.04	10.03	10.08	10.61
23	10.15	10.49	10.55	11.37	11.05	10.66	10.11	10.07	10.04	10.08	10.06	10.61
24	10.19	10.41	11.01	11.33	10.99	10.63	10.10	10.08	10.04	10.07	10.05	10.53
25	10.18	10.38	10.94	11.25	10.90	10.54	10.16	10.08	10.03	10.07	10.04	10.32
26	10.25	10.37	10.89	11.21	10.90	10.35	10.18	10.08	10.06	10.06	10.03	10.27
27	10.22	10.37	10.97	11.14	11.03	10.13	10.20	10.09	10.08	10.05	10.03	10.24
28	10.19	10.36	10.90	11.04	10.98	10.16	10.72	10.08	10.09	10.05	10.02	10.17
29	10.17	10.41	10.82	10.95	---	10.19	10.90	10.08	10.09	10.06	10.02	10.12
30	10.17	10.40	10.74	10.88	---	10.17	10.75	10.08	10.07	10.06	10.03	10.10
31	10.16	---	10.69	10.82	---	10.21	---	10.08	---	10.05	10.03	---
MAX	10.25	10.61	11.01	11.83	11.12	11.20	10.90	10.67	10.09	10.08	10.26	12.06
MIN	10.04	10.01	10.08	10.39	10.50	10.13	10.09	10.05	9.99	9.98	10.02	10.03

MISSISSIPPI RIVER DELTA

07385765 BAYOU TECHE NEAR JEANERETTE, LA

LOCATION.--Lat 29°52'45", long 91°35'10", on line between secs. 37 and 38, T. 13 S., R. 9 E., St. Mary Parish, Hydrologic Unit 08080102, at upstream side of bridge at Adeline, 3.0 miles southeast of Jeanerette and 3.0 miles northwest of Charenton Diversion Canal, off of Hwy. 182

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1996 to current year. October 1993 to September 1996 (fragmentary gage-height records).

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is sea level.

REMARKS.--No estimated daily discharge. Records poor. No gage-height record Jan. 17, Apr. 24-27, and June 19-25. No velocity record Jan. 17, Mar. 7-23, Apr. 24-27, June 20-25, and Sept. 12-16. Discharges are affected by tide at all stages. Reverse flow and no flow at times during year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge recorded, 1,920 ft³/s, Feb. 13, 1997; maximum gage height, 4.64 ft, Oct. 25, 1997; no flow at times during year; minimum daily discharge recorded, 122 ft³/s, Sept. 23, 1997; minimum gage height, 0.46 ft, Sept. 27, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 2,950 ft³/s, Apr. 28; maximum gage height, 4.63 ft, Sep. 12; no flow at times during year; maximum negative daily discharge recorded, -57 ft³/s, June 26; minimum gage height, -0.36 ft, Dec. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278	275	476	822	756	561	1890	2290	195	175	134	80
2	202	401	389	738	1280	489	1380	2120	109	116	127	100
3	157	400	421	628	745	467	1420	2210	86	156	42	8.8
4	256	264	653	565	634	382	1840	2590	-1.9	158	63	60
5	227	170	537	1360	533	576	1530	1870	115	159	97	55
6	236	384	519	974	596	608	949	1410	174	168	71	65
7	192	383	391	1180	617	---	1260	1660	135	108	58	9.8
8	133	180	344	857	563	---	1180	1770	-4.6	91	95	39
9	271	193	379	909	476	---	1770	1050	24	69	71	98
10	274	226	514	855	397	---	1130	1880	96	190	94	100
11	224	203	615	852	907	---	196	1590	49	165	98	727
12	147	542	563	1640	686	---	110	1050	103	116	106	---
13	359	415	393	2050	600	---	331	1040	205	75	159	---
14	647	326	516	1720	559	---	734	1160	4.1	212	155	---
15	469	264	342	1830	738	---	462	1540	123	158	156	---
16	406	282	376	1260	1270	---	497	1490	151	194	212	---
17	343	135	349	---	895	---	1160	1440	56	151	167	459
18	275	102	401	1130	746	---	1100	1260	41	38	157	402
19	254	239	376	1010	605	---	1560	715	71	44	235	378
20	341	154	417	828	552	---	1950	689	---	72	166	356
21	331	123	1030	747	492	---	1910	602	---	63	69	298
22	362	544	775	1340	1420	---	2070	640	---	124	125	336
23	108	515	659	1070	913	---	1740	583	---	92	223	493
24	270	412	1100	947	711	2400	---	725	---	106	163	436
25	257	353	820	897	562	2720	---	569	---	162	145	310
26	397	360	775	1180	496	2390	---	516	-57	184	170	212
27	543	291	995	978	561	1560	---	666	50	178	169	145
28	278	255	727	818	561	1810	2950	305	190	142	174	206
29	239	508	896	775	---	1370	2850	175	207	142	65	261
30	266	514	981	741	---	1070	2640	220	183	104	78	182
31	248	---	922	689	---	1420	---	217	---	130	51	---
TOTAL	8990	9413	18651	---	19871	---	---	36042	---	4042	3895	---
MEAN	290	314	602	---	710	---	---	1163	---	130	126	---

MISSISSIPPI RIVER DELTA

07385765 BAYOU TECHE NEAR JEANERETTE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	1.37	.86	.56	2.44	1.84	2.12	2.35	1.56	1.51	1.06	1.79
2	.60	1.05	.93	.73	2.69	1.59	2.08	2.22	1.54	1.47	.96	1.82
3	.81	.72	1.21	.86	2.31	1.26	2.10	2.09	1.56	1.54	1.28	2.04
4	.96	.42	.80	1.04	1.99	1.23	1.80	1.89	1.93	1.58	1.51	2.14
5	1.08	.81	.39	2.32	1.78	1.49	1.51	1.82	1.98	1.46	1.50	2.03
6	1.17	.82	.20	2.49	1.50	1.62	1.62	2.05	1.78	1.22	1.42	1.90
7	1.36	.21	.24	3.09	1.23	2.46	1.82	2.10	1.50	1.16	1.54	1.94
8	1.77	.30	.78	2.84	1.12	2.85	1.80	1.96	1.71	1.26	1.52	2.17
9	1.97	.50	1.03	2.69	1.17	2.39	1.58	2.12	2.03	1.35	1.43	2.11
10	1.97	.68	1.12	2.71	1.33	1.91	1.10	2.04	2.01	1.25	1.33	2.41
11	2.07	.69	.56	2.70	1.99	1.51	1.06	1.77	2.03	1.12	1.30	3.42
12	2.35	1.13	.13	3.10	1.59	1.24	1.40	1.85	2.00	1.12	1.31	4.36
13	2.44	1.40	-.02	3.38	1.46	1.28	1.83	2.00	1.78	1.21	1.23	4.16
14	1.72	1.10	-.11	3.61	1.24	1.22	1.84	2.08	1.78	1.19	1.24	4.15
15	1.23	.83	-.06	3.85	1.78	1.20	1.95	2.11	1.86	1.21	1.39	3.93
16	1.01	.31	.15	3.48	2.28	1.77	2.15	1.96	1.75	1.13	1.42	3.68
17	.85	.17	.33	---	2.55	2.96	1.95	1.75	1.71	.97	1.41	3.43
18	.95	.56	.33	3.22	2.21	2.62	1.63	1.55	1.80	.85	1.36	3.23
19	1.09	.69	.39	3.05	2.03	2.51	1.43	1.55	---	.96	1.47	3.08
20	1.13	.85	.50	2.92	1.82	2.22	1.38	1.63	---	1.07	1.55	2.82
21	1.07	1.19	1.37	2.82	1.57	1.77	1.45	1.79	---	1.17	1.72	2.60
22	.95	1.27	1.36	3.22	2.34	1.62	1.12	1.88	---	1.30	2.02	2.38
23	1.05	.94	1.28	3.05	2.11	1.59	.88	2.01	---	1.39	2.02	2.19
24	1.61	.93	1.84	2.95	1.95	1.62	---	2.01	---	1.40	1.94	1.99
25	1.56	.92	1.65	2.88	1.88	1.64	---	2.06	---	1.40	1.83	1.83
26	1.65	1.02	1.61	3.13	2.07	1.67	---	2.06	2.08	1.30	1.74	1.85
27	.98	.97	1.51	2.98	2.15	1.84	---	2.00	2.36	1.24	1.52	1.72
28	.86	1.27	1.41	2.78	2.13	1.90	2.25	1.92	2.31	1.23	1.30	1.66
29	1.12	1.63	1.29	2.72	---	1.95	2.69	1.94	1.97	1.23	1.37	1.25
30	1.13	1.28	.87	2.55	---	2.06	2.55	1.85	1.74	1.22	1.53	1.01
31	1.30	---	.68	2.41	---	2.32	---	1.71	---	1.17	1.65	---
MAX	2.44	1.63	1.84	---	2.69	2.96	---	2.35	---	1.58	2.02	4.36
MIN	.60	.17	-.11	---	1.12	1.20	---	1.55	---	.85	.96	1.01

MISSISSIPPI RIVER DELTA

07386200 BAYOU FUSILIER AT WEIR AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N 1/2 sec. 45, T. 7 S., R. 5 E., Louisiana Meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft upstream from weir, 0.6 mi west of Arnaudville, and 0.9 mi downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to September 1982 (elevation only). October 1982 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is sea level.

REMARKS.--Records fair, except those above 660 ft³/s and indefinite stage-discharge relationship, which are poor. Indefinite stage discharge relationship: Dec. 24, Jan. 5-20, 22-28, Feb. 16-18, 22-24, 27-28, Mar. 17-18, and Sept. 11-18. Bayou Fusilier is a tributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this tributary, see Bayou Teche at Arnaudville (station 07385500). In extreme floods, reverse flow observed. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 21.97 ft, Oct. 31, 1985; minimum, 9.03 ft, Nov. 26, 27, 28, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 600 ft³/s, Dec. 27; maximum elevation, 20.40 ft, Jan. 7; minimum elevation, 11.79 ft, Dec. 12, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	257	307	317	435	470	278	326	272	274	269	274
2	262	250	271	280	416	394	282	315	272	275	267	273
3	264	244	236	238	390	338	280	302	272	275	267	272
4	265	247	225	258	356	294	276	281	272	275	267	272
5	267	256	224	e-50	323	279	278	282	272	275	267	273
6	268	260	202	e-70	297	267	278	280	275	275	268	272
7	266	260	179	e-100	282	305	275	281	274	275	272	272
8	264	260	180	e-60	263	372	274	281	276	275	271	271
9	264	261	193	e-30	249	393	279	280	278	276	272	271
10	265	262	196	e-10	276	385	280	281	271	275	275	275
11	265	261	176	e.00	357	362	279	278	265	274	276	e200
12	266	278	158	e565	366	328	277	277	269	273	276	e-100
13	270	255	173	e285	334	292	277	278	269	272	280	e-75
14	272	249	182	e135	304	291	277	279	267	275	295	e-50
15	268	253	172	e195	326	278	275	278	267	282	309	e-25
16	266	254	157	e306	e340	314	274	275	267	284	291	e.00
17	265	252	168	e386	e490	e200	274	272	266	281	279	e550
18	266	250	174	e557	e490	e410	289	275	267	278	277	e450
19	267	253	178	e595	460	459	337	275	267	275	280	426
20	267	256	165	e580	405	411	293	274	266	272	279	354
21	266	281	227	575	372	381	282	277	267	272	280	317
22	265	320	284	e486	e270	353	278	277	269	276	280	312
23	265	294	331	e66	e570	334	272	277	270	277	278	307
24	268	266	e446	e126	e520	289	272	278	270	275	279	292
25	279	257	565	e340	507	255	275	277	271	277	276	282
26	294	259	484	e570	570	240	276	278	271	274	276	275
27	286	255	600	e590	e595	248	276	278	273	272	276	257
28	272	244	517	e570	e490	283	409	277	275	271	275	236
29	267	252	436	584	---	288	401	276	274	270	275	228
30	265	295	391	505	---	284	343	275	274	269	275	243
31	263	---	352	462	---	282	---	273	---	269	275	---
TOTAL	8310	7841	8549	9251.00	11053	10079	8716	8713	8118	8518	8582	7204.00
MEAN	268	261	276	298	395	325	291	281	271	275	277	240

e Estimated

MISSISSIPPI RIVER DELTA

07386200 BAYOU FUSILIER, AT WEIR AT ARNAUDVILLE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.00	12.93	13.41	13.50	14.46	14.72	13.14	13.58	13.08	13.10	13.05	13.11
2	12.99	12.87	13.07	13.16	14.32	14.15	13.18	13.48	13.08	13.11	13.04	13.09
3	13.00	12.80	12.73	12.75	14.11	13.68	13.16	13.36	13.08	13.12	13.03	13.08
4	13.01	12.84	12.61	12.92	13.83	13.29	13.13	13.17	13.09	13.11	13.03	13.09
5	13.03	12.93	12.60	18.16	13.55	13.15	13.14	13.18	13.08	13.11	13.04	13.09
6	13.04	12.97	12.37	18.88	13.32	13.04	13.14	13.16	13.11	13.11	13.04	13.08
7	13.03	12.97	12.10	20.27	13.18	13.38	13.11	13.17	13.10	13.11	13.08	13.09
8	13.00	12.97	12.11	20.29	13.00	13.96	13.10	13.17	13.12	13.11	13.08	13.08
9	13.00	12.98	12.27	19.84	12.86	14.13	13.15	13.16	13.14	13.12	13.08	13.07
10	13.02	12.99	12.29	19.14	13.12	14.07	13.16	13.16	13.07	13.11	13.11	13.11
11	13.01	12.97	12.07	18.37	13.84	13.88	13.15	13.14	13.01	13.10	13.12	14.19
12	13.02	13.14	11.85	18.94	13.92	13.59	13.13	13.13	13.06	13.09	13.12	18.84
13	13.06	12.92	12.04	19.63	13.64	13.27	13.13	13.14	13.05	13.09	13.16	19.35
14	13.08	12.86	12.14	19.45	13.38	13.26	13.13	13.15	13.03	13.11	13.30	18.99
15	13.04	12.90	12.03	19.22	13.56	13.14	13.11	13.14	13.03	13.18	13.43	18.32
16	13.03	12.91	11.84	18.71	15.24	13.45	13.10	13.11	13.03	13.20	13.26	17.44
17	13.01	12.89	11.97	18.05	16.03	15.62	13.10	13.09	13.03	13.16	13.15	16.38
18	13.02	12.87	12.04	17.36	15.43	15.34	13.24	13.11	13.03	13.14	13.13	15.29
19	13.03	12.90	12.09	16.70	14.65	14.64	13.67	13.11	13.04	13.11	13.16	14.39
20	13.03	12.93	11.93	16.06	14.23	14.28	13.28	13.11	13.03	13.08	13.15	13.81
21	13.02	13.16	12.60	15.45	13.96	14.04	13.18	13.13	13.04	13.08	13.16	13.49
22	13.02	13.53	13.19	17.92	15.33	13.81	13.14	13.13	13.05	13.12	13.16	13.45
23	13.02	13.29	13.60	18.85	16.38	13.65	13.08	13.13	13.06	13.13	13.14	13.40
24	13.04	13.03	15.74	18.43	15.79	13.24	13.08	13.14	13.06	13.11	13.15	13.27
25	13.15	12.93	15.38	17.70	14.99	12.92	13.11	13.13	13.07	13.13	13.12	13.18
26	13.29	12.96	14.82	17.16	15.38	12.77	13.12	13.14	13.07	13.10	13.12	13.11
27	13.21	12.91	15.62	16.86	16.44	12.85	13.12	13.14	13.09	13.09	13.12	12.93
28	13.08	12.81	15.06	16.20	15.68	13.19	14.24	13.13	13.11	13.08	13.11	12.72
29	13.03	12.88	14.47	15.52	---	13.23	14.20	13.12	13.11	13.06	13.11	12.65
30	13.01	13.30	14.12	14.97	---	13.19	13.72	13.11	13.10	13.06	13.11	12.80
31	13.00	---	13.80	14.67	---	13.18	---	13.09	---	13.05	13.11	---
MAX	13.29	13.53	15.74	20.29	16.44	15.62	14.24	13.58	13.14	13.20	13.43	19.35
MIN	12.99	12.80	11.84	12.75	12.86	12.77	13.08	13.09	13.01	13.05	13.03	12.65

MISSISSIPPI RIVER DELTA

07386600 BAYOU VERMILION NEAR CARENCRO, LA.

LOCATION.--Lat 30°22'05", long 91°59'15", sec. 58, T. 8 S., R. 5 E., Lafayette Parish, Hydrologic Unit 08080103, on bridge at Arnaudville Road, approximately 1.1 miles northeast of Lafayette.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1997 to September 1998, June 1996 to September 1997 (daily records unpublished).

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Below recordable stage: Dec. 13-20.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 20.46 ft, Oct. 26, 1996; minimum elevation, undetermined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 20.07 ft, Jan. 7; minimum elevation, undetermined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.84	5.54	6.03	7.16	10.67	12.56	6.32	8.20	5.84	5.91	5.53	5.79
2	5.81	5.43	5.80	6.46	10.00	10.96	6.24	7.28	5.78	5.82	5.52	5.79
3	5.80	5.30	5.66	5.95	9.39	9.55	6.22	6.73	5.82	5.85	5.54	5.75
4	5.81	5.27	5.70	6.04	8.70	8.38	6.11	6.51	5.87	5.93	5.62	5.77
5	5.82	5.39	5.37	17.92	8.04	7.46	6.02	6.36	5.93	5.85	5.65	5.75
6	5.79	5.51	5.11	18.63	7.39	6.84	6.02	6.41	6.00	5.79	5.64	5.75
7	5.64	5.48	5.04	19.94	6.85	7.72	6.06	6.35	6.05	5.70	5.70	5.80
8	5.68	5.44	5.41	19.65	6.39	8.65	6.06	6.20	5.96	5.68	5.77	5.94
9	5.76	5.47	5.49	18.70	5.99	8.50	6.06	6.07	5.98	5.71	5.71	5.99
10	5.76	5.51	5.21	17.76	5.99	8.06	6.02	6.05	5.99	5.68	5.78	6.07
11	5.77	5.56	5.07	16.98	8.51	7.52	5.98	5.97	5.87	5.65	5.78	10.83
12	5.83	6.53	5.03	17.51	8.66	7.01	6.01	5.90	5.87	5.63	5.82	18.58
13	5.99	6.90		18.39	7.74	6.53	6.10	5.92	5.85	5.64	5.85	19.01
14	6.10	6.07		18.05	6.86	6.32	6.14	6.01	5.80	5.67	7.45	18.18
15	5.86	5.71		17.86	7.57	6.22	6.10	6.03	5.77	5.81	9.82	17.14
16	5.69	5.56		17.21	13.95	7.06	6.12	6.01	5.76	5.84	8.19	16.00
17	5.61	5.46		16.48	14.71	14.44	6.13	5.91	5.76	5.76	6.84	14.98
18	5.56	5.46		15.73	13.42	13.54	7.40	5.87	5.80	5.70	6.25	13.93
19	5.56	5.70		14.96	12.01	12.00	10.66	5.89	5.82	5.64	6.14	12.75
20	5.58	5.76		14.14	10.54	10.55	8.42	6.01	5.78	5.62	6.01	11.39
21	5.56	6.83	8.23	13.28	9.28	9.33	7.00	6.02	5.74	5.65	5.91	10.16
22	5.53	8.31	10.05	17.19	13.20	8.30	6.37	6.04	5.77	6.13	5.99	9.30
23	5.52	6.77	9.69	18.21	15.13	7.52	6.01	6.03	5.85	5.95	6.02	8.85
24	5.71	5.95	14.65	17.25	13.89	6.83	5.85	6.10	5.92	5.85	5.96	8.09
25	5.86	5.60	13.35	16.21	12.67	6.24	5.85	6.08	5.95	5.94	5.89	7.55
26	6.83	5.54	11.93	15.73	13.44	5.97	5.93	6.07	5.99	5.92	5.83	7.13
27	6.78	5.51	13.74	15.43	15.24	6.01	5.99	6.04	6.14	5.75	5.78	6.74
28	5.99	5.49	12.63	14.51	13.95	6.29	11.45	6.00	6.24	5.70	5.72	6.29
29	5.73	5.65	11.12	13.56	---	6.38	11.15	6.03	6.34	5.66	5.68	5.83
30	5.63	5.90	9.61	12.56	---	6.36	9.35	5.98	6.09	5.60	5.69	5.67
31	5.59	---	8.26	11.58	---	6.40	---	5.95	---	5.57	5.72	---
MEAN	5.81	5.82	---	15.19	10.36	8.24	6.84	6.19	5.91	5.76	6.09	9.56
MAX	6.83	8.31	---	19.94	15.24	14.44	11.45	8.20	6.34	6.13	9.82	19.01
MIN	5.52	5.27	---	5.95	5.99	5.97	5.85	5.87	5.74	5.57	5.52	5.67

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA

LOCATION.--Lat 30°14'35", long 91°53'05", in NE 1/4 NW 1/4 sec. 95, T. 9 S., R. 6 E., St. Martin Parish, Hydrologic Unit 08080103, near center of span on downstream side of bridge on State Highway 31, 1,200 ft above control structure, 1,500 ft downstream from point of diversion from Bayou Teche, 0.4 mi northwest of Ruth, and 2.2 mi south of town of Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year. May 1945 to June 1946 (fragmentary elevations only), January 1947 to September 1960 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is sea level. Auxiliary water-stage recorder 150 ft below control structure at same datum. Since July 12, 1973, water-stage recorder for Ruth Canal at Ruth (station 07386705) used as auxiliary gage for this station. Nov. 4, 1965 to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records good. Total flow through control structure diverted from Bayou Teche for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 802 ft³/s, Apr. 21, 1966; maximum negative daily discharge, -60 ft³/s, Jan. 31, 1993 (backwater from Vermilion River); minimum daily (unaffected by backwater), 0.03 ft³/s, June 1, 1982.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	435	362	174	27	29	29	357	27	444	438	398	401
2	403	362	172	82	29	28	359	27	444	436	401	398
3	373	364	168	165	28	28	360	130	443	438	401	400
4	372	366	167	166	28	27	360	353	444	430	392	399
5	371	365	170	65	27	27	364	354	437	438	397	400
6	370	362	171	35	27	27	363	355	431	445	400	401
7	366	365	169	37	26	26	360	357	441	450	395	401
8	364	367	163	36	26	28	359	361	440	450	395	396
9	360	364	162	35	26	28	360	361	436	449	396	395
10	360	351	163	35	27	28	362	361	433	446	398	381
11	366	366	166	34	28	28	362	365	431	439	401	200
12	364	406	167	35	28	27	361	364	433	441	401	36
13	360	393	167	35	27	27	356	361	440	448	403	35
14	363	396	167	35	27	27	356	360	445	452	401	34
15	368	398	167	35	28	27	357	380	439	453	400	34
16	368	406	166	34	30	28	354	403	440	458	359	33
17	369	408	166	34	31	31	354	403	439	456	377	31
18	369	406	167	33	30	30	358	424	437	454	395	30
19	369	402	167	32	29	29	343	452	438	454	401	29
20	369	405	166	31	28	28	339	452	434	452	399	28
21	371	308	159	30	28	28	346	450	438	447	397	27
22	372	150	145	34	30	28	353	450	429	438	395	27
23	372	160	151	34	31	28	358	448	429	410	393	27
24	368	165	74	34	30	27	359	446	430	388	394	164
25	369	167	30	33	30	86	361	445	431	392	394	283
26	366	168	29	32	30	177	357	443	426	391	397	298
27	362	170	30	32	31	352	188	443	409	394	401	311
28	365	168	29	31	30	355	26	444	403	394	403	319
29	364	165	28	30	---	358	29	443	410	394	404	329
30	365	169	28	30	---	359	28	444	428	394	403	339
31	364	---	27	29	---	354	---	445	---	394	403	---
TOTAL	11477	9404	4075	1370	799	2710	9549	11551	13002	13363	12294	6586
MEAN	370	313	131	44.2	28.5	87.4	318	373	433	431	397	220

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.61	8.80	9.99	10.76	11.34	11.51	9.41	10.82	8.53	8.59	8.50	8.71
2	8.75	8.71	9.94	10.57	11.31	11.19	9.39	10.78	8.53	8.51	8.51	8.70
3	9.00	8.66	9.82	10.04	11.12	10.96	9.38	10.32	8.54	8.54	8.54	8.71
4	9.01	8.63	9.69	10.16	10.98	10.80	9.29	9.58	8.52	8.54	8.52	8.73
5	9.01	8.72	9.64	13.52	10.85	10.72	9.25	9.50	8.56	8.54	8.59	8.74
6	8.99	8.73	9.56	13.46	10.72	10.73	9.27	9.49	8.54	8.55	8.59	8.75
7	8.99	8.68	9.46	14.45	10.65	11.54	9.28	9.46	8.57	8.57	8.54	8.74
8	9.02	8.68	9.65	14.03	10.59	11.19	9.23	9.41	8.57	8.59	8.54	8.73
9	9.02	8.68	9.49	13.82	10.53	11.10	9.19	9.40	8.60	8.60	8.54	8.73
10	9.02	8.57	9.44	13.52	10.74	11.08	9.13	9.35	8.56	8.54	8.59	8.92
11	9.07	8.35	9.31	13.15	11.11	11.01	9.12	9.28	8.49	8.44	8.59	10.52
12	9.10	8.77	9.19	13.65	11.00	10.89	9.21	9.29	8.51	8.44	8.60	14.26
13	9.16	8.64	9.20	13.96	10.90	10.76	9.25	9.30	8.54	8.47	8.64	13.60
14	9.05	8.46	9.27	13.82	10.79	10.70	9.23	9.32	8.55	8.55	8.80	13.32
15	8.92	8.35	9.28	13.72	11.02	10.69	9.22	9.17	8.46	8.61	8.69	13.04
16	8.88	8.31	9.23	13.37	11.82	11.04	9.23	9.03	8.44	8.63	8.64	12.65
17	8.86	8.30	9.24	13.02	12.04	12.24	9.16	8.97	8.45	8.59	8.66	12.18
18	8.87	8.35	9.29	12.69	11.78	11.80	9.25	8.76	8.44	8.56	8.74	11.69
19	8.89	8.46	9.32	12.35	11.46	11.49	9.57	8.65	8.46	8.54	8.95	11.29
20	8.90	8.41	9.30	12.07	11.20	11.24	9.42	8.68	8.46	8.52	8.80	10.99
21	8.91	9.44	10.26	11.84	11.06	11.11	9.27	8.70	8.48	8.49	8.74	10.81
22	8.88	10.46	10.22	13.09	11.90	11.00	9.17	8.72	8.50	8.51	8.77	10.77
23	8.91	10.16	10.39	13.28	12.07	10.94	9.09	8.72	8.54	8.49	8.75	10.77
24	9.02	9.99	11.67	13.15	11.91	10.81	9.08	8.69	8.54	8.57	8.72	10.42
25	8.99	9.89	11.58	12.84	11.66	10.54	9.18	8.67	8.54	8.56	8.68	9.86
26	9.05	9.89	11.40	12.63	11.74	10.00	9.22	8.65	8.58	8.52	8.66	9.72
27	8.92	9.87	11.65	12.41	12.11	9.46	9.24	8.63	8.59	8.53	8.65	9.59
28	8.83	9.84	11.50	12.11	11.90	9.50	10.64	8.63	8.59	8.51	8.62	9.38
29	8.83	9.90	11.24	11.84	---	9.52	11.30	8.64	8.60	8.50	8.62	9.25
30	8.83	9.91	11.05	11.60	---	9.56	10.96	8.62	8.59	8.48	8.63	9.21
31	8.83	---	10.89	11.44	---	9.54	---	8.58	---	8.45	8.67	---
MAX	9.16	10.46	11.67	14.45	12.11	12.24	11.30	10.82	8.60	8.63	8.95	14.26
MIN	8.61	8.30	9.19	10.04	10.53	9.46	9.08	8.58	8.44	8.44	8.50	8.70

MISSISSIPPI RIVER DELTA
07386850 VERMILION RIVER NEAR LAFAYETTE, LA.

LOCATION.--Lat 30°13'08", long 91°56'05", sec. 93, T. 9 S., R. 5 E., Lafayette Parish, Hydrologic Unit 08080103, on bridge at Lake Martin Road, approximately 1.6 miles southeast of the intersection of Lake Martin Road and State Highway 94, southeast of Lafayette.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 1996 to September 1997 (daily records unpublished), October 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded 10.56 ft, Jan. 15, 1998; minimum elevation, 0.64 ft, Dec. 12, 13, 14, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 10.56 ft, Jan. 15, 1998; minimum elevation, 0.64 ft, Dec. 12, 13, 14.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.44	2.52	1.40	3.68	8.02	6.94	3.55	5.16	2.89	3.22	2.59	3.21
2	2.34	2.19	1.74	3.15	7.73	6.65	3.42	4.38	2.89	3.11	2.54	3.25
3	2.37	1.90	2.31	2.98	7.32	6.18	3.34	3.94	2.99	3.30	2.74	3.26
4	2.46	1.70	1.78	3.05	6.81	5.54	2.97	3.90	3.27	3.35	3.08	---
5	2.55	2.20	1.18	9.66	6.23	4.82	2.65	3.73	3.33	3.08	3.02	---
6	2.59	2.29	1.01	9.22	5.57	4.45	2.84	3.76	3.39	2.84	2.86	---
7	2.77	1.79	1.08	10.40	4.80	6.29	3.11	3.60	3.13	2.73	2.94	---
8	3.09	1.79	2.48	10.41	4.06	6.25	2.98	3.30	3.27	2.84	2.92	---
9	3.21	2.01	2.20	10.38	3.49	5.66	2.71	3.33	3.47	2.86	2.90	---
10	3.18	2.16	1.91	10.27	3.46	4.99	2.16	---	3.43	2.76	2.88	---
11	3.26	2.32	1.03	10.13	4.76	4.34	2.25	---	3.39	2.62	2.80	---
12	3.50	3.51	.69	10.24	4.16	3.73	2.79	---	3.34	2.61	2.84	---
13	3.68	3.55	.67	10.46	3.62	3.27	3.22	---	3.17	2.65	2.82	---
14	3.13	3.06	.69	10.50	3.09	2.95	3.12	---	2.98	2.90	3.29	---
15	2.38	2.67	.74	10.53	3.73	2.68	3.13	---	3.04	2.97	4.14	---
16	2.29	2.24	.88	10.43	5.98	3.70	3.29	---	3.01	2.83	4.06	---
17	2.31	2.12	.96	10.25	6.54	7.33	3.03	---	3.09	2.76	3.71	---
18	2.29	2.51	.98	10.05	6.48	6.84	3.08	---	3.21	2.69	3.46	8.77
19	2.41	2.92	1.00	9.82	6.41	6.78	4.16	---	3.16	2.69	3.68	8.61
20	2.48	2.66	1.20	9.57	6.17	6.53	4.00	---	3.02	2.75	3.39	8.34
21	2.36	4.17	3.84	9.32	5.70	6.03	3.57	---	2.94	2.87	3.38	7.96
22	2.26	4.52	4.67	9.59	6.79	5.39	3.01	---	3.21	3.19	3.59	7.54
23	2.33	3.30	4.52	9.69	6.99	4.73	2.49	---	3.26	3.19	3.60	7.11
24	3.00	2.67	6.55	9.59	6.93	4.04	2.36	---	3.27	3.10	3.48	6.55
25	2.83	2.33	6.08	9.46	6.82	3.57	2.69	---	3.26	2.98	3.33	6.11
26	3.05	2.15	5.98	9.38	6.94	3.59	3.12	3.24	3.68	2.93	3.21	5.65
27	2.68	1.82	6.20	9.29	7.16	3.89	3.27	3.21	4.10	2.85	2.99	5.19
28	2.37	2.20	6.10	9.09	7.10	3.81	6.44	3.17	4.30	2.84	2.78	4.61
29	2.55	2.56	5.83	8.88	---	3.74	6.17	3.25	4.03	2.81	2.76	4.10
30	2.54	1.93	5.29	8.63	---	3.79	5.80	3.14	3.53	2.73	2.91	3.69
31	2.56	---	4.55	8.34	---	3.94	---	3.01	---	2.66	3.00	---
MEAN	2.69	2.53	2.76	8.92	5.82	4.92	3.36	---	3.30	2.89	3.15	---
MAX	3.68	4.52	6.55	10.53	8.02	7.33	6.44	---	4.30	3.35	4.14	---
MIN	2.26	1.70	.67	2.98	3.09	2.68	2.16	---	2.89	2.61	2.54	---

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", on line between secs. 76 and 142, T. 9 S., R. 5 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on Surrey Street at Lafayette, 0.6 mi north of Lafayette Airport, and 1.4 mi upstream from Coulee des Poches.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorders and electromagnetic flowmeter. Datum of gage is 1.96 ft below mean low Gulf or 2.74 ft below sea level. Prior to 1996 datum of gage is 2.07 ft below mean low Gulf level or 2.85 ft below sea level. Prior to 1982, datum of gage was 1.53 ft below mean low Gulf or 2.31 ft below sea level (levels by Corps of Engineers). Prior to Oct. 1, 1985, water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharges. Records fair. No velocity record: Jan. 27-Jun. 4. Discharges are affected by tide at all stages: diversions above and below station for irrigation. Reverse flow at times during year. Satellite telemetry and raingage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,280 ft³/s, July 17, 1989; maximum gage height 15.81 ft, Jan. 20, 1993; maximum negative discharge, -8,390 ft³/s, Dec. 18, 1995; minimum gage height 0.79 ft, Nov. 20, 1969; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge, 3,750 ft³/s, Jan. 16; maximum gage height, 13.74 ft, Sept. 12; maximum negative daily discharge, -2,740 ft³/s, Sept. 12; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	644	488	185	935	1710	1790	658	1280	589	620	530	473
2	574	516	311	759	1570	1730	570	1060	691	574	559	511
3	521	511	370	684	1330	1570	555	968	743	506	470	449
4	517	505	445	496	1060	1390	601	959	651	617	486	414
5	488	434	382	-722	797	1140	513	837	649	699	602	423
6	518	497	334	-241	573	870	438	738	682	668	587	462
7	517	512	289	-297	350	-208	439	716	717	618	534	331
8	466	455	354	2480	362	1050	453	704	603	592	557	273
9	522	446	423	3140	453	1340	515	570	577	572	607	366
10	570	457	377	2630	521	1220	474	632	622	577	581	152
11	530	501	358	2340	836	1040	420	541	574	576	643	-1550
12	425	463	270	1460	1080	847	448	500	603	592	694	-2740
13	490	664	229	2760	908	671	462	493	647	555	664	764
14	801	652	245	2930	736	577	605	501	596	526	670	1900
15	736	606	233	2950	459	485	578	552	590	601	880	2410
16	614	573	231	3330	824	46	578	602	593	613	911	2600
17	615	509	229	3170	1080	.39	698	616	562	587	869	2500
18	580	460	251	3160	1640	1400	566	632	562	645	712	2590
19	553	591	245	3050	1640	1530	1040	613	624	610	621	2430
20	555	591	240	3030	1590	1470	1060	646	591	602	646	2340
21	567	367	192	2710	1560	1340	910	606	554	685	572	2160
22	577	726	890	1420	240	1180	809	617	562	644	485	1970
23	497	643	757	2480	1530	1010	691	587	697	630	522	1800
24	502	392	515	2800	1830	803	599	621	701	680	552	1740
25	553	451	1460	2700	1730	646	516	610	642	643	442	1560
26	646	370	1440	2150	1210	602	487	620	400	586	325	1370
27	762	265	1330	1970	1630	653	504	637	398	497	506	1210
28	601	60	1530	1990	1790	792	-356	622	368	493	617	1010
29	530	131	1060	1910	---	694	915	632	675	509	551	803
30	514	173	1290	1840	---	584	1360	633	634	444	475	694
31	502	---	1200	1760	---	572	---	549	---	449	485	---
TOTAL	17487	14009	17665	61774	31039	28834.39	18106	20894	18097	18210	18355	31415
MEAN	564	467	570	1993	1109	930	604	674	603	587	592	1047

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.03	5.22	4.04	6.21	10.26	9.15	6.08	7.63	5.38	5.72	5.06	5.76
2	4.97	4.83	4.45	5.75	10.06	8.87	5.99	6.93	5.40	5.62	5.01	5.79
3	5.04	4.53	5.08	5.58	9.59	8.46	5.90	6.47	5.52	5.86	5.27	5.82
4	5.14	4.31	4.43	5.71	9.09	7.93	5.46	6.39	5.85	5.89	5.65	5.90
5	5.25	4.92	3.83	12.85	8.59	7.32	5.17	6.26	5.90	5.58	5.54	5.87
6	5.29	4.97	3.70	11.98	7.97	7.04	5.41	6.33	5.92	5.30	5.37	5.80
7	5.50	4.35	3.84	13.19	7.23	9.10	5.70	6.16	5.63	5.19	5.46	5.83
8	5.87	4.41	5.25	12.77	6.54	8.83	5.54	5.84	5.84	5.32	5.42	6.12
9	5.98	4.66	4.92	12.50	6.04	8.10	5.22	5.94	6.07	5.34	5.39	6.12
10	5.94	4.80	4.63	12.31	6.09	7.43	4.62	5.72	6.01	5.22	5.37	6.89
11	6.04	4.93	3.67	12.18	7.30	6.81	4.77	5.31	5.97	5.07	5.29	10.11
12	6.32	6.20	3.16	12.63	6.56	6.25	5.38	5.48	5.90	5.06	5.33	13.10
13	6.47	6.12	3.09	12.80	6.09	5.85	5.85	5.71	5.70	5.11	5.30	11.90
14	5.76	5.62	3.29	12.76	5.63	5.56	5.69	5.83	5.50	5.40	5.77	11.68
15	4.99	5.25	3.34	12.81	6.38	5.33	5.73	5.88	5.58	5.44	6.51	11.45
16	4.94	4.78	3.62	12.55	8.41	6.46	5.90	5.72	5.54	5.27	6.46	11.23
17	4.88	4.68	3.70	12.33	8.90	9.99	5.58	5.42	5.65	5.20	6.15	11.03
18	4.96	5.17	3.70	12.13	8.69	9.21	5.61	5.28	5.80	5.13	5.95	10.86
19	5.10	5.55	3.72	11.92	8.63	9.08	6.46	5.38	5.72	5.14	6.22	10.70
20	5.16	5.26	3.96	11.69	8.44	8.83	6.32	5.51	5.55	5.21	5.89	10.42
21	5.03	6.90	6.61	11.48	8.04	8.36	6.01	5.62	5.47	5.33	5.92	10.07
22	4.92	7.11	7.09	12.09	9.45	7.81	5.45	5.68	5.76	5.66	6.17	9.71
23	5.04	5.89	7.04	11.91	9.35	7.22	4.94	5.78	5.80	5.69	6.15	9.32
24	5.73	5.36	9.13	11.67	9.14	6.59	4.87	5.79	5.78	5.59	6.01	8.78
25	5.52	5.06	8.37	11.52	9.06	6.16	5.27	5.83	5.80	5.47	5.84	8.38
26	5.70	4.90	8.29	11.54	9.36	6.18	5.74	5.83	6.32	5.41	5.71	7.98
27	5.18	4.57	8.55	11.43	9.46	6.48	5.89	5.74	6.78	5.33	5.46	7.52
28	4.99	5.02	8.35	11.20	9.31	6.35	9.20	5.71	6.98	5.32	5.24	6.92
29	5.24	5.34	8.11	11.01	---	6.30	8.71	5.80	6.61	5.29	5.23	6.43
30	5.23	4.64	7.61	10.78	---	6.40	8.25	5.66	6.05	5.21	5.41	6.03
31	5.27	---	6.97	10.51	---	6.55	---	5.51	---	5.13	5.52	---
MAX	6.47	7.11	9.13	13.19	10.26	9.99	9.20	7.63	6.98	5.89	6.51	13.10
MIN	4.88	4.31	3.09	5.58	5.63	5.33	4.62	5.28	5.38	5.06	5.01	5.76

MISSISSIPPI RIVER DELTA

07386940 VERMILION RIVER AT HWY. 733 NEAR LAFAYETTE, LA.

LOCATION.--Lat 30°08'30", long 92°04'32", sec. 76, T. 10 S., R. 4 E., Lafayette Parish, Hydrologic Unit 08080103, on bridge at State Highway 733, about 1.2 miles southeast of intersection of State Highway 167 and State Highway 733, near Lafayette.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 1996 to September 1997 (daily records unpublished), October 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 14.07 ft, Oct. 26, 1996; minimum elevation, -0.68 ft, Dec. 12, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 13.35 ft, Sept. 12; minimum elevation, -0.68 ft, Dec. 12

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.14	1.79	.41	1.49	4.46	3.26	2.28	2.91	1.60	1.80	1.32	2.63
2	1.32	1.04	1.31	1.61	4.67	2.78	2.51	2.50	1.74	2.03	1.26	2.55
3	1.56	.66	2.00	1.69	3.55	2.51	2.31	2.16	1.97	2.50	1.95	2.67
4	1.72	.52	.71	2.06	3.00	2.62	1.46	1.98	2.61	2.34	2.42	2.72
5	1.87	1.66	.25	11.28	3.00	2.66	1.40	2.32	2.53	1.83	2.08	2.69
6	1.93	1.34	.25	9.14	2.54	2.74	2.03	2.72	2.13	1.43	1.83	2.51
7	2.31	.15	.83	10.48	1.93	6.22	2.40	2.48	1.83	1.44	2.01	2.67
8	2.89	.71	2.09	8.19	1.76	4.83	2.11	2.10	2.56	1.71	1.84	3.12
9	2.89	1.14	1.61	6.47	1.90	2.65	1.26	2.65	2.84	1.66	1.73	2.98
10	2.85	1.29	1.32	5.70	2.49	1.72	.45	1.99	2.62	1.37	1.69	4.13
11	3.04	1.25	-.11	5.53	3.49	1.60	1.23	1.67	2.62	1.19	1.69	7.95
12	3.45	2.66	-.40	7.96	1.79	1.47	2.18	2.12	2.45	1.27	1.75	11.77
13	3.34	2.27	-.27	7.93	1.80	1.77	2.72	2.53	2.00	---	1.63	8.93
14	1.73	1.47	-.12	7.49	1.76	1.71	2.30	2.64	1.85	---	2.05	7.86
15	.92	1.24	.10	7.57	3.24	1.82	2.54	2.62	2.05	---	2.64	6.74
16	1.22	.44	.47	6.16	4.63	3.52	2.74	2.12	2.01	1.29	2.42	5.97
17	1.21	.78	.62	5.52	4.94	7.10	1.94	1.69	2.32	1.25	2.17	5.47
18	1.45	1.65	.54	5.28	3.31	4.54	1.86	1.45	2.47	1.21	2.12	5.34
19	1.71	1.81	.63	5.07	3.08	3.81	2.07	---	2.21	1.36	2.78	5.35
20	1.69	1.47	.97	4.94	2.87	3.11	1.92	1.92	1.98	1.47	2.29	4.89
21	1.49	3.41	3.78	5.10	2.64	2.33	1.87	2.07	1.92	1.64	2.64	4.52
22	1.32	3.12	2.92	7.64	6.12	2.37	1.01	2.15	2.03	1.94	3.04	4.34
23	1.77	1.50	3.03	6.26	4.55	2.34	.74	2.35	2.00	1.98	2.83	4.14
24	2.49	1.61	5.77	5.05	3.33	2.21	1.12	2.32	1.96	1.87	2.61	3.57
25	2.17	1.57	3.38	4.85	3.48	2.24	2.00	2.40	2.27	1.82	2.35	3.49
26	2.03	1.61	2.95	5.57	4.72	2.49	2.60	2.36	3.36	1.69	2.22	3.45
27	.76	1.34	3.69	5.29	4.47	2.98	2.71	2.16	3.84	1.64	1.83	3.00
28	1.36	2.06	2.73	4.64	3.72	2.62	6.52	2.17	3.94	1.59	1.56	2.22
29	1.84	2.13	2.23	4.67	---	2.77	5.25	2.30	3.04	1.61	1.76	2.00
30	1.80	1.08	1.50	4.43	---	3.16	3.75	2.00	2.18	1.51	2.06	1.77
31	1.93	---	1.48	4.24	---	3.28	---	1.74	---	1.41	2.23	---
MEAN	1.91	1.49	1.51	5.78	3.33	2.94	2.24	---	2.36	---	2.09	4.38
MAX	3.45	3.41	5.77	11.28	6.12	7.10	6.52	---	3.94	---	3.04	11.77
MIN	.76	.15	-.40	1.49	1.76	1.47	.45	---	1.60	---	1.26	1.77

MISSISSIPPI RIVER DELTA

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", on line between secs. 60 and 61, T. 12 S., R. 3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi south of Abbeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1978 to September 1984 (gage heights only) October 1984 to current year. Unpublished gage-height records, August 1960 to September 1978, available in files of the Louisiana District Office, Baton Rouge, La.

REVISED RECORDS.--WDR LA 80-3: 1979.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.34 ft below sea level (levels by Louisiana Department of Transportation and Development, Office of Highways). Prior to 1997 datum of gage is 3.46 ft below sea level. Prior to 1982 datum of gage 2.95 ft below National Geodetic Vertical of 1929.

REMARKS.--No estimated daily discharges. Records poor. No gage-height records: Oct. 1, 13-17, 22, 26-28, Nov. 2-4, 6-8, 11, 14-17, 19, 23, 30, Dec. 1, 4-8, 11-20, 27, 29-31, Jan. 1, 4-17, Feb. 6-8, Mar. 3, 9-17, 21, Apr. 4-5, 22-23. No velocity records: Oct. 27-28, Jan. 4-17, Mar. 13-17, and Sept. 10-17. Discharge affected by tide at all stages. Reverse flow at times during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 15,800 ft³/s, Oct. 28, 1985; maximum gage height recorded, 12.06 ft, May 31, 1979; maximum negative discharge recorded, -2,800 ft³/s, Aug. 15, 1985; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge, 6,920 ft³/s, Jan. 22; maximum gage height, 11.31 ft; no flow at times during the year; maximum negative daily discharge recorded, -123 ft³/s, Aug. 3; minimum gage height recorded, 3.33 ft, July 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	828	---	---	2840	2220	613	1510	388	20	-68	-.27
2	431	---	963	911	3530	1950	400	1260	343	-45	-78	-11
3	560	---	1450	753	3210	---	691	1020	236	109	-123	40
4	617	---	---	---	2350	1180	---	990	140	76	-83	30
5	635	259	---	---	2120	1300	---	504	171	-1.8	-66	9.2
6	747	---	---	---	---	1460	149	756	291	-8.7	-82	-4.8
7	917	---	---	---	---	5910	557	929	204	-68	-58	20
8	784	---	1210	---	---	4140	916	516	121	-51	-72	14
9	925	464	925	---	1100	---	1530	312	136	-39	-73	-11
10	766	437	1050	---	1360	---	915	1180	154	-27	-73	---
11	656	---	---	---	3070	---	189	404	172	-46	43	---
12	814	1510	---	---	1330	---	106	383	175	-52	32	---
13	---	1220	---	---	1140	---	676	379	173	-50	32	---
14	---	---	---	---	964	---	652	476	150	117	82	---
15	---	---	---	---	1060	---	298	634	122	22	148	---
16	---	---	---	---	3760	---	650	885	103	-17	64	---
17	---	---	---	---	3940	---	1070	702	121	-16	23	---
18	1110	523	---	3810	2300	3110	1280	639	88	-59	30	3580
19	1080	---	---	4030	1980	2140	1970	513	61	-62	42	3660
20	1200	644	---	3310	2050	2450	1020	524	49	-74	42	3350
21	1140	1460	1720	3460	1330	---	1450	571	-19	-56	23	2970
22	---	2490	991	6920	5170	1350	---	576	21	-39	15	3130
23	582	---	1930	5280	3710	1320	---	581	26	-41	26	3270
24	1380	598	3700	3930	2170	961	306	558	4.1	-33	25	2280
25	880	490	812	3390	1660	689	193	489	-72	-58	25	2060
26	---	611	846	4120	2580	639	193	552	-40	-33	-2.6	1970
27	---	119	---	4420	3030	521	528	525	204	-53	-12	2010
28	---	121	1840	3250	2070	796	5630	336	412	-58	-17	1770
29	472	868	---	3180	---	464	3560	475	253	-65	3.5	1520
30	541	---	---	3140	---	32	2250	397	73	-62	3.2	1180
31	586	---	---	2750	---	918	---	302	---	-58	2.0	---
TOTAL	---	---	---	---	---	---	---	19878	4260.1	-828.5	-146.9	---
MEAN	---	---	---	---	---	---	---	641	142	-26.7	-4.74	---

MISSISSIPPI RIVER DELTA
07386980 VERMILION RIVER AT PERRY, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.70	---	---	6.09	4.54	5.06	5.15	4.39	4.50	4.14	5.66
2	4.38	---	4.43	4.38	6.01	4.17	5.42	4.94	4.63	4.98	4.13	5.45
3	4.53	---	4.86	4.57	4.46	---	5.09	4.79	4.90	5.26	5.04	5.66
4	4.71	---	---	4.87	4.35	4.85	---	4.54	5.64	4.98	5.33	5.66
5	4.85	4.68	---	9.63	4.81	5.06	---	5.20	5.47	4.53	4.85	5.65
6	4.95	---	---	9.24	---	5.12	5.06	5.61	4.73	4.11	4.69	5.40
7	5.38	---	---	9.72	---	7.73	5.30	5.24	4.64	4.30	4.84	5.67
8	6.05	---	4.87	8.44	---	6.55	5.02	5.00	5.60	4.50	4.64	6.12
9	5.90	4.18	4.57	6.40	4.65	---	4.14	5.69	5.80	4.43	4.55	5.93
10	5.95	4.31	4.31	5.75	5.25	---	3.97	4.63	5.51	4.06	4.48	7.18
11	6.19	---	---	5.72	5.50	---	4.42	4.64	5.54	3.96	4.50	9.19
12	6.63	5.20	---	7.09	4.22	---	5.27	5.13	5.27	4.00	4.54	11.09
13	---	4.95	---	7.65	4.50	4.60	5.67	5.55	4.70	4.16	4.41	10.11
14	---	---	---	7.51	4.67	---	5.22	5.65	4.69	4.33	4.58	9.23
15	---	---	---	7.35	6.12	---	5.57	5.53	4.89	4.40	5.04	8.06
16	---	---	---	5.84	6.05	---	5.72	4.87	4.91	4.08	4.85	7.10
17	---	---	---	5.44	6.24	8.24	4.75	4.49	5.30	3.92	4.73	6.58
18	4.39	4.57	---	5.34	4.90	6.30	4.58	4.26	5.41	4.01	4.65	6.50
19	4.66	---	---	5.04	4.87	5.70	4.26	4.60	5.06	4.16	5.04	6.58
20	4.55	4.37	---	5.57	4.57	4.44	4.63	4.82	4.82	4.28	5.10	6.09
21	4.41	5.19	6.03	5.97	4.84	---	4.43	4.95	4.78	4.44	5.62	5.86
22	---	4.77	4.87	7.52	7.00	4.50	---	5.06	4.73	4.65	6.00	5.61
23	4.94	---	5.18	6.29	5.43	4.66	---	5.26	4.71	4.67	5.67	5.51
24	5.32	4.54	6.44	5.27	4.72	4.83	4.13	5.23	4.74	4.60	5.45	5.42
25	5.19	4.57	4.78	5.47	5.37	5.05	5.07	5.31	5.18	4.57	5.18	5.63
26	---	4.60	4.62	6.21	6.12	5.35	5.68	5.20	6.45	4.46	4.97	5.71
27	---	4.46	---	5.37	5.66	5.91	5.70	4.99	6.78	4.40	4.64	5.21
28	4.43	5.18	4.37	5.14	5.34	5.42	7.18	5.07	6.50	4.37	4.38	4.45
29	4.82	5.00	---	5.49	---	5.68	7.15	5.11	5.47	4.42	4.67	4.37
30	4.76	---	---	5.16	---	6.21	5.73	4.78	4.78	4.34	4.94	4.37
31	4.91	---	---	5.35	---	6.12	---	4.49	---	4.26	5.22	---
MAX	---	---	---	---	---	---	---	5.69	6.78	5.26	6.00	11.09
MIN	---	---	---	---	---	---	---	4.26	4.39	3.92	4.13	4.37

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPRE MORT POINT, LA

LOCATION.--Lat 29°42'47", long 91°52'49", sec. 30, T. 15 S., R. 6 E., St. Mary Parish, Hydrologic Unit 08080103, on bulkhead at Cypremort Point Yacht Club.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1997 to September 1998. Prior to October 1997 records for this site are located at Louisiana Department of Wildlife and Fisheries.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Elevations affected by wind and tide at all stages. Satellite telemetry with wind speed and direction at station.

EXTREMES FOR THE PERIOD OF RECORD.--Maximum elevation recorded, 5.07 ft, Sept. 11, 1998; minimum elevation recorded, -1.53 ft, Mar. 21, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 5.07 ft, Sept. 11; minimum elevation recorded, -1.53 ft, Mar. 21.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	1.67	.37	1.11	1.06	-.61	.03	.91	-.33	.30
2	---	---	---	1.37	-.62	.24	1.92	-.21	.78	1.20	-.30	.56
3	---	---	---	.91	-.62	-.14	2.18	-.37	.95	1.51	.24	.85
4	---	---	---	1.47	-.62	.11	.68	-.60	-.20	1.60	.55	1.04
5	---	---	---	1.65	.15	1.01	.42	-.61	-.17	1.60	.79	1.22
6	---	---	---	1.58	-.62	.10	.51	-.62	-.24	2.30	.99	1.59
7	---	---	---	.12	-.62	-.41	1.20	.00	.38	2.20	.20	1.20
8	---	---	---	.88	-.25	.31	1.56	.45	1.01	---	---	---
9	---	---	---	.98	.05	.50	1.59	.17	.96	---	---	---
10	---	---	---	1.15	.03	.64	1.64	-.60	.41	---	---	---
11	---	---	---	1.19	-.16	.60	-.02	-.61	-.49	---	---	---
12	---	---	---	1.72	.44	1.13	-.17	-.61	-.52	---	---	---
13	---	---	---	1.70	.45	1.19	.46	-.60	-.26	---	---	---
14	---	---	---	1.11	-.62	.35	.09	-.62	-.45	---	---	---
15	---	---	---	.83	-.62	.14	.55	-.61	-.11	---	---	---
16	---	---	---	.22	-.62	-.36	.67	-.61	.00	---	---	---
17	---	---	---	1.24	-.58	.14	.79	-.60	.17	---	---	---
18	---	---	---	1.67	-.10	.81	.78	-.61	.04	---	---	---
19	---	---	---	1.67	-.55	.46	1.07	-.51	.21	---	---	---
20	---	---	---	1.51	-.01	.76	1.62	.05	.53	---	---	---
21	---	---	---	1.78	.37	1.13	1.99	.51	1.31	---	---	---
22	---	---	---	1.58	-.15	.44	1.46	.10	.71	---	---	---
23	2.42	.80	1.47	.94	-.12	.38	2.12	.45	1.09	---	---	---
24	2.91	.10	1.55	1.24	.37	.87	2.12	.18	1.00	---	---	---
25	2.04	1.06	1.58	1.26	.23	.85	1.10	-.44	.39	---	---	---
26	2.29	-.58	.75	1.52	.24	.86	1.37	-.28	.49	---	---	---
27	.31	-.62	-.18	1.74	.01	.90	.32	-.59	-.38	---	---	---
28	1.56	.05	.89	2.37	.39	1.45	1.53	-.18	.54	---	---	---
29	1.66	.40	1.17	2.37	.23	1.21	.65	-.56	-.34	---	---	---
30	1.72	.37	1.10	1.37	-.61	.15	.45	-.57	-.37	---	---	---
31	1.78	.51	1.28	---	---	---	.53	-.58	-.31	---	---	---
MONTH	---	---	---	2.37	-.62	.56	2.18	-.62	.23	---	---	---

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPREMORE POINT, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	.66	-.24	.25	1.93	-.04	1.22	2.40	.23	1.36
2	---	---	---	.93	-.37	.21	2.37	.62	1.61	2.09	.53	1.17
3	---	---	---	.69	-1.20	-.02	2.02	.48	1.17	1.94	.67	1.14
4	---	---	---	1.78	-.09	1.03	1.00	-1.02	.12	1.54	.01	.77
5	---	---	---	1.83	.44	1.20	1.69	-.61	.55	2.28	.74	1.47
6	---	---	---	2.00	.27	1.29	2.03	.63	1.35	2.43	1.26	1.87
7	---	---	---	3.31	1.24	2.26	1.98	1.02	1.49	2.48	.59	1.62
8	---	---	---	2.78	-.25	.85	2.01	.76	1.39	1.80	.97	1.37
9	---	---	---	.21	-1.51	-.98	1.04	-.66	-1.10	2.65	.92	2.07
10	---	---	---	.02	-1.51	-.78	.46	-.68	-.21	1.81	-.17	.93
11	---	---	---	.91	-.65	.10	1.75	-.45	.71	1.74	-.22	1.07
12	---	---	---	.90	-.72	.06	2.18	.55	1.47	2.14	.54	1.53
13	---	---	---	1.36	.36	.92	2.59	1.03	1.82	2.32	.97	1.80
14	2.44	1.06	1.68	1.30	.36	.84	1.97	.69	1.41	2.69	1.02	1.88
15	---	---	---	1.57	.60	1.13	2.42	.61	1.83	2.63	.86	1.74
16	---	---	---	3.33	1.00	1.99	2.76	1.12	1.91	1.82	.48	1.13
17	---	---	---	2.44	1.45	1.84	1.35	.41	.93	1.60	-.19	.88
18	---	---	---	2.07	.98	1.63	1.25	.22	.72	1.38	-.32	.69
19	1.45	.11	.77	2.28	.61	1.69	.77	-.12	.41	1.76	.40	1.12
20	1.16	-.20	.48	1.10	-.80	-.19	1.84	-.33	.85	1.93	.64	1.27
21	1.92	-.27	.84	.56	-1.53	-.58	1.31	.14	.70	1.89	.72	1.34
22	1.92	.18	1.12	1.66	-.36	.72	.56	-1.08	-.14	1.95	.65	1.44
23	.83	-1.38	-.20	1.58	-.20	.78	.62	-.60	.01	2.28	.56	1.62
24	1.17	-.60	.40	1.74	.13	.99	1.06	-.10	.47	2.09	.43	1.53
25	1.91	.44	1.29	1.78	.43	1.17	1.94	.46	1.37	2.44	.43	1.63
26	2.20	1.09	1.76	1.77	.71	1.33	2.45	.61	1.82	2.45	.45	1.56
27	1.77	.36	1.20	2.30	1.19	1.85	2.31	.99	1.77	2.30	.31	1.38
28	1.99	.51	1.29	1.87	.97	1.43	2.50	.99	1.77	2.26	.32	1.54
29	---	---	---	2.34	1.02	1.69	3.68	1.26	2.56	2.42	.62	1.51
30	---	---	---	2.64	1.10	2.20	2.18	.60	1.36	2.03	.27	1.20
31	---	---	---	2.93	.38	1.91	---	---	---	1.90	-.01	1.01
MONTH	---	---	---	3.33	-1.53	.93	3.68	-1.08	1.08	2.69	-.32	1.38
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.73	-.31	.87	1.47	.41	.94	1.25	-.45	.61	2.40	1.01	1.88
2	1.99	.45	1.07	1.78	.80	1.36	1.17	.02	.63	2.53	.97	1.86
3	2.03	.90	1.31	2.31	.70	1.43	2.02	.61	1.51	2.81	1.19	2.20
4	2.44	1.47	2.07	1.80	.35	1.28	2.46	.44	1.59	2.83	.97	2.06
5	2.32	.93	1.76	1.75	-.35	.95	2.08	.02	1.19	2.56	.80	1.89
6	1.54	-.19	.97	1.33	-.47	.56	1.80	.04	1.13	2.16	.72	1.69
7	1.71	-.29	1.04	1.44	-.47	.86	2.14	.06	1.27	3.03	1.00	2.05
8	2.65	.80	1.95	1.76	-.04	.99	1.86	.01	1.09	3.00	1.59	2.36
9	2.85	.95	2.09	1.82	-.14	.98	1.59	.08	1.05	2.95	1.43	2.13
10	2.49	.92	1.79	1.36	-.47	.54	1.45	.17	.93	3.53	2.86	3.19
11	2.79	.76	1.87	1.23	-.55	.53	1.47	.32	.95	5.07	3.52	4.06
12	2.36	.41	1.55	1.56	-.69	.51	1.54	.55	.97	5.07	2.87	3.86
13	1.65	.36	1.05	1.52	-.14	.80	1.35	.03	.78	3.79	2.46	3.22
14	2.40	-.17	1.33	1.21	-.01	.52	1.38	-.28	.71	3.74	1.79	2.92
15	1.98	.91	1.42	1.37	.22	.67	2.04	.01	1.01	3.03	1.52	2.46
16	1.88	.73	1.31	1.05	-.41	.52	1.72	-.05	.97	2.70	1.12	2.10
17	2.38	1.09	1.64	.92	-.70	.35	1.70	-.10	.97	2.44	1.19	2.02
18	2.34	.88	1.67	.85	-.45	.44	1.58	.14	.95	2.53	1.39	2.11
19	2.05	.53	1.39	1.26	-.40	.61	1.76	.13	1.17	2.78	1.42	2.27
20	1.80	.08	1.18	1.44	-.34	.74	1.85	.13	1.35	2.05	1.16	1.57
21	1.94	.06	1.15	1.61	-.24	.86	2.67	.78	1.85	2.19	1.16	1.67
22	1.82	-.02	1.07	1.82	-.18	1.03	2.96	1.30	2.17	1.80	.78	1.37
23	1.82	-.02	1.07	1.70	.00	1.03	2.43	1.16	1.87	1.78	.47	1.15
24	1.80	-.03	1.12	1.53	-.03	.95	2.27	1.19	1.77	2.07	.94	1.49
25	2.38	.14	1.62	1.70	.08	.97	2.19	1.15	1.61	2.23	1.02	1.65
26	3.78	1.53	2.81	1.58	.13	.86	1.86	.79	1.39	2.27	.86	1.72
27	3.23	1.73	2.68	1.63	.15	.85	1.65	.52	1.12	2.18	.20	1.20
28	2.87	1.29	1.90	1.42	.39	.86	1.54	.47	.94	1.98	.22	1.17
29	1.59	.45	1.16	1.61	.45	.90	1.70	.53	1.22	1.64	-.33	.60
30	1.58	.57	1.08	1.32	-.13	.80	2.10	.51	1.40	1.11	.19	.78
31	---	---	---	1.39	.15	.78	2.16	1.17	1.68	---	---	---
MONTH	3.78	-.31	1.50	2.31	-.70	.82	2.96	-.45	1.22	5.07	-.33	2.02

MISSISSIPPI RIVER DELTA
07387040 VERMILION BAY NEAR CYPRE MORT POINT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1997 to current year.

WATER TEMPERATURES: April 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 23,100 microsiemens, July 14, 1998; minimum daily, 283 microsiemens, Mar. 17, 1998.

WATER TEMPERATURES: Maximum daily, 33.2°C, July 6, 1998; minimum daily, 7.1°C, Dec. 14, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Water year 1997.: Maximum daily, 11,800 microsiemens, Aug. 7; minimum daily, 352 microsiemens, April 24.

Water year 1998.: Maximum daily, 23,100 microsiemens, July 14; minimum daily, 283 microsiemens, Mar. 17.

WATER TEMPERATURES: Water year 1997.: Maximum daily, 33.0°C, July 26; minimum daily, 14.8°C, April 14.

Water year 1998: Maximum daily, 33.2°C, July 6; minimum daily, 7.1°C, Dec. 14.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR APRIL 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1										727	636	666
2										675	516	609
3										623	503	567
4										676	571	611
5										679	495	618
6										544	480	509
7										565	455	502
8										557	489	522
9										490	439	466
10							542	464	508	515	462	490
11							526	435	486	539	506	522
12							522	466	492	544	472	513
13							665	497	562	527	447	486
14							642	534	585	494	428	462
15							540	384	446	464	418	437
16							420	384	401	450	402	434
17							465	395	428	459	412	432
18							459	408	436	457	398	431
19							479	398	424	424	372	402
20							479	389	427	424	365	385
21							454	376	404	414	372	393
22							450	378	405	420	374	396
23							434	361	396	419	355	373
24							424	352	379	388	360	372
25							457	367	416	390	367	377
26							618	369	467	414	375	390
27							768	471	592	436	409	423
28							818	535	710	429	411	425
29							817	670	735	433	419	426
30							791	679	739	443	414	428
31							---	---	---	461	439	445
MONTH							---	---	---	727	355	468

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPRE MORT POINT, LA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR APRIL 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	555	459	483	857	810	834	7600	5910	6450	8630	8330	8450
2	577	502	555	820	717	774	6910	6020	6390	8870	8020	8540
3	562	541	551	885	677	765	6700	6200	6520	8830	8290	8570
4	576	545	566	1090	662	769	6450	5700	6160	8780	8330	8560
5	564	541	553	2150	829	1490	5960	5560	5780	9090	8280	8640
6	587	545	571	2830	1320	2110	10700	5680	7140	9290	8730	9060
7	627	564	588	2800	2330	2580	11800	8320	10400	9250	8500	9010
8	648	583	617	2680	2340	2560	11500	7870	9710	9360	8840	9150
9	845	600	644	2600	2410	2530	9740	6880	8670	9500	8100	9060
10	845	661	747	2490	2220	2380	9160	8120	8900	9490	9100	9270
11	1160	714	918	2230	1890	2110	9170	8810	8970	9370	9180	9310
12	1190	839	1050	1930	1610	1790	9380	8340	9050	9430	9270	9330
13	1170	1040	1120	1820	1510	1640	9380	7630	8940	9640	8480	9340
14	1200	1020	1120	2480	1540	1910	9380	8480	9210	9660	9110	9510
15	1220	1090	1170	2730	1950	2330	9240	8740	9130	9550	9080	9340
16	1240	1080	1170	3070	2510	2720	9270	9050	9200	9120	8890	9050
17	1110	921	1020	2970	1420	2340	9090	7200	8560	9100	8670	8940
18	969	875	914	3690	2880	3110	7200	5530	6160	9140	8920	9030
19	913	845	883	3040	2830	2950	6060	5120	5580	8970	7880	8670
20	907	856	878	2950	2830	2870	5950	5390	5570	8990	8180	8690
21	948	831	872	2860	2740	2800	6370	5620	6000	8720	6970	8240
22	1050	946	1010	2920	2650	2760	6180	5720	5940	8590	6830	8120
23	1080	961	1030	3110	2560	2820	6620	6180	6470	8150	4970	6880
24	974	851	915	3720	2820	3340	6810	6140	6550	8160	6710	7740
25	913	755	813	3380	2590	2840	8010	6690	7380	8080	7830	7970
26	823	737	770	2680	2550	2620	9000	7670	8090	8180	7780	8020
27	821	742	792	4070	2500	2850	9320	7170	8530	7920	7750	7860
28	838	811	826	10000	3480	6480	9390	8480	8890	8240	7900	8010
29	836	812	824	8910	5100	6430	8570	8390	8510	9320	7940	8280
30	952	824	863	7730	5430	6070	8500	8310	8410	10400	8380	9290
31	---	---	---	9160	5460	6910	8510	8230	8350	---	---	---
MONTH	1240	459	828	10000	662	2790	11800	5120	7730	10400	4970	8660

SPECIFIC CONDUCTANCE, μ S/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11400	8770	9830	14800	12400	12900	13800	11700	12800	14800	12300	13600
2	10500	10100	10300	12900	12500	12800	14100	12900	13600	16600	12500	15200
3	12500	10400	11700	12800	12400	12600	14600	10300	13600	17000	11600	14700
4	12600	11500	12300	15800	12500	14100	14600	13900	14200	17100	11100	14700
5	12600	11400	12200	17200	13100	15000	14300	13300	14100	15600	11800	14600
6	12200	11100	11800	18000	13100	15300	14100	12800	13600	15700	4950	12100
7	11800	9600	11200	14800	12300	13300	13800	8990	12800	14900	5760	13500
8	12800	9230	11200	17600	11700	14200	11800	6200	9980	15300	12200	14200
9	13600	9440	12200	15200	11300	14200	13300	11300	12100	13600	12000	12800
10	14900	8650	13000	20200	14800	16600	13200	10000	12700	12800	12400	12600
11	15600	10300	13400	17700	15200	16600	12700	11700	12500	12600	11000	11900
12	14800	9730	12600	18300	15700	16200	12400	11700	12200	11200	8620	9670
13	14400	11500	13100	19400	13400	16100	12600	10400	11300	9580	8680	9110
14	14000	12500	13400	17100	15200	16400	12400	10900	11300	9090	6780	8690
15	12900	12500	12700	18200	16200	16600	13100	11100	11700	9030	8510	8750
16	13000	12300	12600	16400	14700	15500	15000	11600	13200	9010	4620	6340
17	12400	11000	11700	17200	11700	15300	16600	13600	15500	6790	4420	5150
18	11000	10000	10300	17700	12400	15800	18200	15500	16400	5310	4170	4720
19	10200	9910	10100	15400	11700	14200	20900	15800	19200	4980	4370	4650
20	10700	9910	10500	16000	11700	14000	21400	14400	19200	5990	4680	5310
21	10800	10600	10700	15000	12800	14200	15900	6320	11300	5000	3500	4490
22	11000	10800	10900	15700	13400	14200	18400	13500	16500	4030	3170	3690
23	11000	10600	10900	15200	14100	14500	18000	10200	14700	4250	3000	3820
24	11300	10700	10900	16500	13600	15000	14000	8480	12500	4010	1750	3080
25	11900	10500	11200	16500	11200	14500	14900	13300	14300	3140	1940	2320
26	11600	10300	11100	14100	12000	13500	15100	13800	14500	3010	2070	2340
27	11100	10900	11000	14000	11100	13200	15100	12000	13700	2900	1700	2480
28	12200	10400	11100	13200	7340	11000	14400	13200	13900	1980	956	1280
29	13100	11000	11800	10900	5110	9320	14300	12900	13500	1410	1080	1280
30	13000	11500	12700	12700	10500	11200	13100	12100	12500	1410	923	1120
31	15400	11600	12900	---	---	---	12900	12100	12400	1090	884	961
MONTH	15600	8650	11700	20200	5110	14300	21400	6200	13600	17100	884	7710

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPRE MORT POINT, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1510	620	1100	1320	1000	1110	4250	1910	2720	2940	2580	2780
2	1150	620	912	1230	1160	1200	4250	2970	3530	3050	2630	2860
3	1270	810	1050	1220	972	1100	3390	2980	3140	3220	2690	2980
4	1270	793	1090	1080	953	1020	3310	2740	3180	4160	3070	3620
5	1120	769	985	1080	700	843	2780	1640	2140	3750	3280	3520
6	1230	554	852	941	739	797	2290	2030	2140	3770	3530	3640
7	1060	599	782	1100	908	995	2520	1940	2140	3870	3610	3720
8	940	526	641	1090	864	976	1990	1770	1860	4760	3870	4100
9	1060	642	960	1000	753	891	2300	1620	1870	4850	3570	4370
10	1290	794	1140	1020	829	915	2040	1650	1740	4610	4280	4480
11	1130	908	1040	909	757	821	2050	1640	1780	5420	4350	4850
12	1030	623	782	1810	770	1230	1740	1600	1670	5720	5050	5370
13	943	763	882	1470	971	1180	1870	1470	1650	6110	4160	5210
14	992	933	968	1080	986	1040	1920	1770	1880	6110	2660	4340
15	---	---	---	1090	776	979	1920	1600	1700	4950	2390	3790
16	---	---	---	836	293	547	1810	492	1290	4990	4210	4660
17	---	---	---	517	283	356	1550	705	1300	5370	4440	4740
18	---	---	---	489	337	415	1460	705	1200	5090	4570	4920
19	1940	1620	1790	678	443	567	1490	1420	1460	5080	4630	4760
20	1800	1570	1700	705	589	634	1540	1440	1510	5260	4770	5080
21	1910	1340	1570	685	573	631	1560	1490	1540	5350	4940	5160
22	1890	1160	1540	638	557	591	1570	1360	1500	5190	4850	5040
23	1640	1250	1410	1580	601	966	1540	1230	1440	5390	4810	5190
24	1390	1070	1210	1540	1080	1240	1340	1150	1210	5100	4190	4630
25	1200	844	1040	2140	1150	1770	2010	1340	1600	4670	3760	4250
26	1140	812	1020	1930	1510	1690	2200	1810	2010	4910	3840	4690
27	1030	874	940	3460	1660	2180	2050	1070	1560	5730	4390	5170
28	1270	887	1060	4020	2380	3390	1770	1410	1570	5970	4190	5600
29	---	---	---	3590	1690	2560	3050	916	2070	5910	2910	5380
30	---	---	---	2390	1680	1960	2980	2380	2650	5910	5250	5670
31	---	---	---	2240	1240	1850	---	---	---	5920	5270	5690
MONTH	1940	526	1100	4020	283	1180	4250	492	1900	6110	2390	4520

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	5990	5640	5820	5450	3210	4780	16900	10600	12800	---	---	---
2	5940	5430	5760	4030	3210	3760	18600	10300	14200	---	---	---
3	5650	5460	5570	3860	2000	3140	17600	12900	15900	---	---	---
4	5660	4840	5270	3590	2820	3170	17600	14400	16000	15600	14900	15400
5	5110	4210	4570	3620	3100	3410	16700	14700	15800	15600	13800	15100
6	4920	4480	4780	3850	3300	3600	17400	14700	16400	15500	14200	15100
7	5860	4570	5080	4690	3400	3940	17400	15300	16500	15300	10500	13800
8	5890	2760	4590	5110	3740	4440	17900	15200	17100	15000	11500	13700
9	5410	3150	4900	8320	4630	6550	16600	12900	14700	14900	9430	13500
10	6690	4010	5600	8230	5590	7800	15000	13400	14400	14600	8920	11400
11	6650	2860	5080	8040	7700	7860	14900	13200	14200	14400	8080	12000
12	5860	5160	5590	13600	7420	8330	14800	13600	14300	13100	7080	10300
13	5340	5120	5200	15700	7950	10400	15500	14400	15000	10800	6870	9210
14	5370	5120	5240	23100	13000	16300	16700	14300	15500	11800	6030	10100
15	6340	5250	5850	16600	11400	14200	16900	14500	15700	11500	8900	10400
16	6270	5860	6060	14500	11800	13600	17700	13100	15400	12500	10100	11800
17	6150	5740	5970	16700	11500	15100	18000	16000	17000	13000	11900	12500
18	6410	5610	6030	16500	13300	15400	18400	15900	17200	13000	12300	12700
19	6510	5630	6210	14900	13200	13700	18500	16000	17500	12800	11900	12500
20	6370	5450	6140	13600	12800	13300	18500	15300	17500	12600	11700	12300
21	6470	5920	6230	15500	13400	14000	17400	7230	14200	12200	10400	11300
22	6120	5720	5980	16400	14900	15400	---	---	---	11100	10100	10900
23	6050	5850	5920	17100	15800	16700	---	---	---	10900	10300	10600
24	5940	5270	5760	16500	15200	16000	---	---	---	10500	9710	10100
25	5810	3780	5140	15900	15200	15600	---	---	---	10600	9860	10300
26	5760	3210	4620	15900	15300	15700	---	---	---	10500	8840	9950
27	4780	2450	3430	16200	14500	15900	---	---	---	9560	8230	8730
28	4840	3190	4290	15900	14300	15300	---	---	---	9070	6210	8420
29	5250	4570	4790	16000	15100	15600	---	---	---	8640	6290	7350
30	5200	4830	5050	16000	13800	14900	---	---	---	18900	8450	14000
31	---	---	---	15700	11300	13800	---	---	---	---	---	---
MONTH	6690	2450	5350	23100	2000	11000	---	---	---	18900	6030	11600

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPRE MORT POINT, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR APRIL 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1										23.3	20.5	21.6
2										23.2	21.7	22.5
3										24.1	22.3	23.3
4										24.3	22.3	23.3
5										23.6	22.3	22.9
6										24.1	22.0	22.8
7										24.6	22.1	23.1
8										25.2	23.1	23.8
9										26.0	23.3	24.4
10							20.7	18.6	19.5	25.8	22.7	23.6
11							20.2	19.7	19.9	23.1	22.1	22.6
12							20.2	18.9	19.7	24.6	22.0	22.8
13							18.9	15.7	16.9	25.2	22.2	23.2
14							15.9	14.8	15.3	24.9	23.3	24.1
15							16.9	15.0	15.9	26.4	24.2	25.3
16							18.6	16.2	17.3	26.0	24.3	25.1
17							19.3	17.1	18.3	26.8	24.3	25.4
18							18.7	17.5	18.1	26.8	25.2	26.1
19							20.2	17.7	18.6	26.4	25.9	26.1
20							21.4	18.5	19.4	27.1	25.7	26.2
21							21.6	19.2	20.5	28.2	26.0	27.1
22							21.8	20.8	21.3	27.3	26.5	26.9
23							22.3	20.0	21.1	27.2	25.7	26.4
24							21.4	20.4	20.9	26.6	25.9	26.1
25							20.5	19.3	19.7	26.8	25.5	26.2
26							19.4	18.4	18.8	28.2	26.3	27.2
27							19.8	19.1	19.4	28.8	27.3	27.7
28							19.3	18.4	18.9	28.4	27.6	27.9
29							21.7	17.9	19.2	27.9	26.8	27.4
30							21.3	19.5	20.3	27.7	26.8	27.2
31							---	---	---	27.5	26.6	27.1
MONTH							---	---	---	28.8	20.5	25.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.8	25.8	26.6	30.7	28.9	29.8	30.6	29.5	29.8	31.4	29.4	30.4
2	27.3	25.9	26.6	31.0	29.2	30.0	30.1	28.5	29.4	30.6	29.9	30.3
3	28.5	26.0	27.1	31.8	29.4	30.6	30.9	28.7	29.8	30.8	29.2	30.0
4	28.5	26.4	27.3	32.4	30.0	31.0	31.8	29.8	30.6	30.5	29.3	29.9
5	27.1	26.1	26.7	31.4	30.0	30.7	31.8	30.0	30.8	29.6	27.2	28.6
6	28.4	26.0	26.9	30.4	29.1	29.7	30.9	30.2	30.6	29.4	28.0	28.7
7	28.0	26.5	27.2	30.6	28.4	29.5	30.9	29.4	30.2	29.2	28.3	28.7
8	28.9	26.4	27.2	29.8	29.3	29.6	30.5	29.4	30.1	29.5	28.0	28.7
9	28.5	26.7	27.5	29.5	28.7	29.2	30.3	28.6	29.5	29.3	28.2	28.7
10	30.3	26.8	27.8	32.0	28.6	30.1	30.8	29.2	29.9	29.4	28.0	28.6
11	29.9	27.2	28.1	32.4	30.0	31.0	30.9	29.8	30.3	29.0	27.6	28.3
12	31.2	27.8	29.4	32.3	30.6	31.2	31.4	29.8	30.5	28.0	26.7	27.4
13	30.1	28.5	29.3	32.5	30.3	31.1	31.6	30.5	31.0	28.8	26.9	27.6
14	30.1	28.8	29.5	30.7	29.1	29.8	32.0	30.3	31.1	30.0	27.4	28.4
15	31.2	29.3	29.9	30.6	29.0	29.7	31.4	30.0	30.8	30.3	28.6	29.3
16	30.8	29.1	30.0	30.6	28.9	29.6	31.4	29.7	30.6	30.7	29.0	29.7
17	30.0	28.8	29.3	29.9	29.2	29.5	31.1	30.2	30.7	30.6	28.7	29.5
18	28.8	27.2	27.7	30.5	28.7	29.5	32.0	30.1	30.8	30.6	29.0	29.8
19	27.5	26.8	27.2	31.3	29.8	30.5	32.7	30.1	31.1	30.6	29.2	29.9
20	28.6	26.9	27.7	31.6	30.1	30.7	32.1	30.2	31.1	30.4	29.3	29.8
21	29.1	27.6	28.3	30.9	30.2	30.6	32.2	30.3	31.2	30.1	29.1	29.6
22	29.8	28.0	28.7	31.2	29.7	30.4	31.5	29.9	30.8	29.8	29.0	29.4
23	29.6	28.2	28.8	30.4	29.4	29.9	30.7	29.2	29.8	29.0	27.6	28.2
24	31.9	28.5	29.7	31.2	29.1	29.8	29.9	28.5	29.3	27.6	27.1	27.4
25	30.3	28.2	29.2	31.8	30.0	30.7	29.3	28.1	28.7	27.2	25.0	26.2
26	28.5	27.5	27.9	33.0	30.4	31.4	29.1	27.8	28.6	25.7	24.2	24.9
27	28.6	27.5	28.1	32.1	31.0	31.5	29.7	28.3	29.0	25.3	23.8	24.6
28	28.7	28.0	28.3	32.3	30.8	31.5	30.9	28.4	29.6	26.0	24.5	25.2
29	30.1	28.1	29.1	32.9	30.7	31.5	30.7	29.3	30.0	27.2	24.9	25.7
30	30.0	28.9	29.4	32.0	30.3	31.1	31.5	29.8	30.6	27.5	25.6	26.3
31	---	---	---	31.7	29.8	30.7	31.5	29.8	30.6	---	---	---
MONTH	31.9	25.8	28.2	33.0	28.4	30.4	32.7	27.8	30.2	31.4	23.8	28.3

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPREMORT POINT, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28.5	25.9	26.9	20.5	19.0	19.6	16.8	15.6	16.3	12.0	9.8	10.9
2	27.4	25.6	26.6	19.8	18.6	19.2	17.3	16.1	16.7	12.8	10.6	11.7
3	27.1	25.6	26.4	18.9	17.5	18.2	17.4	16.8	17.1	14.0	11.8	12.8
4	26.9	25.1	26.1	18.4	17.1	17.8	16.8	15.1	16.0	14.1	13.0	13.6
5	27.5	25.8	26.7	18.3	17.3	17.9	15.2	13.4	14.1	15.0	13.9	14.4
6	28.0	26.3	27.2	18.6	16.8	17.9	13.4	12.5	13.0	16.3	14.6	15.2
7	27.6	26.4	26.9	16.8	15.1	15.9	12.7	10.7	11.8	16.0	15.3	15.7
8	27.0	26.1	26.5	16.4	14.6	15.5	13.1	10.6	11.9	15.3	13.0	14.0
9	27.1	26.4	26.8	16.0	14.7	15.2	14.6	13.0	13.5	13.8	12.0	13.0
10	27.1	26.5	26.8	15.8	15.1	15.4	14.9	13.7	14.2	14.1	12.6	13.4
11	26.9	26.2	26.5	16.2	15.3	15.7	13.8	10.2	11.9	14.9	13.0	14.0
12	26.6	26.0	26.2	16.1	15.7	15.9	10.3	8.4	9.6	15.5	14.6	15.0
13	26.2	24.0	25.8	16.6	15.7	16.1	8.9	8.0	8.5	15.6	15.1	15.3
14	24.0	20.2	22.0	17.4	15.7	16.4	8.5	7.1	7.8	15.7	15.4	15.5
15	20.2	18.1	19.1	16.6	15.2	15.9	9.3	7.3	8.3	15.6	14.0	15.2
16	19.2	17.6	18.4	15.2	10.6	13.6	11.1	8.4	9.4	16.1	12.9	14.1
17	18.8	17.1	18.0	13.0	12.1	12.5	11.7	8.9	10.1	15.9	13.9	14.9
18	19.1	17.6	18.4	12.7	12.2	12.5	11.8	10.1	10.8	15.9	15.0	15.4
19	19.6	18.4	19.0	13.4	12.2	12.9	13.9	10.4	11.6	15.8	14.8	15.3
20	20.9	19.0	19.7	14.0	13.1	13.4	13.4	11.6	12.3	15.1	13.2	14.3
21	21.3	19.8	20.6	15.7	13.3	14.6	15.0	13.3	14.1	15.5	14.2	14.7
22	21.7	20.6	21.0	16.2	15.5	15.8	14.9	13.4	13.9	15.7	15.3	15.5
23	21.5	20.5	20.9	16.3	15.1	15.6	15.3	13.9	14.6	15.3	13.6	14.4
24	22.6	21.1	21.8	16.0	14.7	15.3	15.6	14.8	15.2	14.3	12.8	13.7
25	23.3	22.2	22.7	16.5	14.6	15.5	15.7	14.3	15.0	14.0	12.9	13.5
26	23.5	19.4	21.7	17.2	15.2	16.1	14.9	13.1	14.3	14.1	13.1	13.6
27	19.4	17.1	18.3	18.3	16.1	17.2	13.1	8.8	11.8	13.4	11.9	12.7
28	17.2	16.2	16.6	18.9	17.4	18.0	11.8	10.5	11.2	13.1	11.7	12.3
29	17.1	16.4	16.8	19.0	18.5	18.7	10.8	8.1	9.6	14.0	12.5	13.2
30	18.6	16.8	17.6	18.5	16.5	17.5	11.9	8.0	10.1	15.0	13.2	14.0
31	19.6	17.7	18.6	---	---	---	11.4	9.4	10.6	15.2	13.9	14.6
MONTH	28.5	16.2	22.5	20.5	10.6	16.1	17.4	7.1	12.4	16.3	9.8	14.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	15.2	14.5	14.7	16.7	15.5	16.1	22.4	20.7	21.5	23.6	22.2	22.8
2	15.1	14.0	14.5	15.6	14.5	15.1	22.0	21.1	21.6	24.1	22.7	23.4
3	14.5	13.3	14.0	15.2	13.5	14.5	23.6	21.9	22.7	25.1	23.4	24.1
4	14.0	13.1	13.6	15.4	14.2	14.8	22.6	20.6	21.8	26.6	24.1	24.9
5	13.8	12.9	13.3	16.2	15.3	15.6	21.3	20.0	20.6	25.8	24.7	25.2
6	13.4	12.4	13.0	16.6	15.8	16.2	21.1	20.0	20.5	26.3	25.4	25.8
7	13.7	12.1	12.8	17.9	16.5	17.2	22.0	20.6	21.2	26.5	25.4	25.8
8	14.9	12.4	13.4	17.8	15.9	17.2	23.1	21.6	22.1	27.9	25.7	26.5
9	14.5	13.2	13.8	15.9	13.1	14.3	22.0	20.3	21.2	28.0	26.1	26.7
10	16.1	14.2	15.1	14.1	11.9	13.0	21.3	19.5	20.3	27.1	25.7	26.5
11	15.6	14.7	15.2	13.2	11.6	12.3	21.1	19.4	20.2	26.9	25.6	26.2
12	15.8	14.5	15.1	12.9	11.1	12.0	21.0	19.6	20.3	27.7	25.5	26.3
13	16.6	14.7	15.6	13.6	12.0	12.7	21.0	20.3	20.7	26.9	25.6	26.1
14	16.0	15.1	15.5	13.8	12.4	13.0	22.0	20.8	21.3	26.4	25.9	26.1
15	---	---	---	16.1	13.1	14.3	21.9	21.3	21.6	26.9	25.4	26.1
16	---	---	---	16.3	15.1	15.7	23.5	21.8	22.5	27.4	26.1	26.6
17	---	---	---	18.0	15.9	16.8	22.7	21.7	22.2	27.8	26.4	27.1
18	---	---	---	17.7	17.1	17.4	21.7	19.6	20.5	28.7	26.7	27.5
19	14.8	14.3	14.5	19.0	17.1	17.9	20.0	19.0	19.5	28.7	27.6	28.1
20	16.3	13.9	14.8	17.1	15.2	16.1	21.6	18.7	19.8	29.3	27.8	28.4
21	16.0	14.9	15.4	16.4	13.4	15.2	21.2	19.8	20.5	29.0	27.7	28.3
22	15.8	14.5	15.3	16.9	14.6	15.8	21.4	19.6	20.5	28.6	27.4	28.0
23	16.4	13.6	14.9	18.0	15.4	16.5	21.6	19.2	20.4	28.2	27.0	27.6
24	17.3	14.9	16.1	18.8	16.5	17.6	22.6	20.3	21.2	28.3	26.9	27.7
25	17.5	15.8	16.7	20.1	17.5	18.8	21.2	19.9	20.6	28.2	26.9	27.4
26	17.7	17.0	17.3	21.1	18.9	19.9	22.0	20.2	21.1	28.5	26.8	27.5
27	17.3	16.5	17.0	21.0	19.7	20.3	23.2	21.6	22.3	29.3	27.2	28.0
28	17.2	16.6	16.9	22.5	20.3	21.1	23.0	22.3	22.7	30.0	27.7	28.5
29	---	---	---	23.3	21.6	22.3	22.5	21.8	22.1	30.0	27.9	28.9
30	---	---	---	23.5	22.3	22.8	23.1	21.4	22.1	31.0	29.0	29.8
31	---	---	---	23.1	21.4	22.4	---	---	---	30.9	29.3	30.1
MONTH	17.7	12.1	14.9	23.5	11.1	16.6	23.6	18.7	21.2	31.0	22.2	26.8

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPREMORT POINT, LA

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	30.9	29.4	30.2	31.1	28.8	29.8	32.5	30.7	31.5	---	---	---
2	30.9	29.4	30.1	30.9	29.4	30.1	31.8	30.5	31.1	---	---	---
3	30.7	29.6	30.2	30.1	29.1	29.5	31.1	30.2	30.7	---	---	---
4	30.4	29.4	29.9	31.4	28.9	30.0	31.0	29.5	30.2	30.7	29.1	29.7
5	30.3	29.1	29.7	32.3	30.0	31.1	31.6	29.8	30.6	29.4	28.9	29.2
6	29.8	28.3	29.2	33.2	30.5	31.7	31.5	29.8	30.5	29.0	28.2	28.6
7	28.3	26.3	27.0	33.1	31.0	32.0	30.9	29.8	30.4	28.3	27.4	27.8
8	28.0	26.1	26.9	33.1	31.4	32.1	32.2	30.1	30.9	27.6	26.8	27.3
9	28.9	27.0	27.8	32.5	30.6	31.7	32.0	30.4	31.0	27.4	26.6	27.1
10	29.7	27.9	28.5	32.3	30.6	31.4	32.4	30.8	31.5	26.6	25.3	26.0
11	29.8	28.0	28.8	32.0	30.7	31.3	32.2	30.9	31.6	25.5	25.2	25.3
12	30.3	28.9	29.6	31.5	30.2	30.9	32.4	31.0	31.6	26.2	25.2	25.7
13	30.9	29.2	29.9	30.8	29.8	30.2	32.0	31.2	31.6	26.2	25.8	26.0
14	30.4	29.0	29.7	30.4	29.2	29.6	31.2	29.6	30.4	26.8	25.8	26.1
15	30.4	29.0	29.6	30.6	28.8	29.6	29.6	28.9	29.2	27.3	26.2	26.7
16	31.1	29.1	29.9	31.3	29.5	30.3	30.5	28.2	29.3	27.7	26.8	27.2
17	30.5	29.3	29.9	32.0	30.4	31.0	30.8	29.7	30.2	28.2	26.9	27.5
18	30.9	29.6	30.2	31.4	30.1	30.7	31.3	29.9	30.4	28.6	27.3	27.8
19	31.5	29.8	30.5	32.3	30.3	31.3	31.0	29.4	30.1	28.8	27.5	28.0
20	31.6	29.8	30.7	32.2	30.5	31.4	31.0	29.6	30.2	29.5	27.7	28.5
21	31.5	29.9	30.7	31.5	30.4	30.9	30.0	29.1	29.6	30.4	28.6	29.4
22	31.8	30.2	31.0	31.0	29.6	30.3	---	---	---	31.8	29.6	30.3
23	31.1	29.9	30.5	31.5	29.7	30.3	---	---	---	31.8	29.9	30.8
24	32.3	29.8	30.8	31.8	29.6	30.7	---	---	---	31.0	29.7	30.4
25	30.9	29.8	30.4	32.6	30.6	31.4	---	---	---	30.5	29.4	30.0
26	30.1	28.0	28.9	31.6	30.5	30.9	---	---	---	30.4	29.1	29.8
27	28.1	26.7	27.2	31.6	30.3	30.8	---	---	---	30.0	28.5	29.1
28	27.7	26.7	27.2	32.1	30.3	31.0	---	---	---	28.5	27.5	28.0
29	29.7	27.1	28.0	32.1	30.4	31.2	---	---	---	28.0	26.8	27.4
30	30.4	28.0	29.0	31.9	30.5	31.2	---	---	---	28.7	27.3	27.9
31	---	---	---	32.7	30.3	31.3	---	---	---	---	---	---
MONTH	32.3	26.1	29.4	33.2	28.8	30.8	---	---	---	31.8	25.2	28.1

MISSISSIPPI RIVER DELTA

091323200 RED EYE SWAMP 11.0 MILES NORTHEAST OF LOREAUVILLE, LA

WATER-QUALITY RECORDS

LOCATION.--Lat 30°03' 33", long 91°32' 32", in sec. 15, T 11 S., R 9 E., Loreauville Quadrangle, 11.0 miles northeast of Loreauville, St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 13.0 miles northeast of Loreauville, LA.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1996 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1996 to current year.

pH: April 1996 to current year.

WATER TEMPERATURES: April 1996 to current year.

DISSOLVED OXYGEN: April 1996 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, pH, water temperature, and dissolved oxygen.

REMARKS.--Extremes for current year for specific conductance, pH, water temperature, and dissolved oxygen are not published because the number of missing days of record exceeded 20% of the year, Oct. 1 to Jan. 29 and July 27 to Sept. 30.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 472 microsiemens, Apr. 27, 1996; minimum daily, 218 microsiemens, Jan. 19, 1997.

pH: Maximum daily, 7.8 units, June 20, 1998; minimum daily, 6.3 units, June 10-15, July 3-7, 10, 1997.

WATER TEMPERATURES: Maximum daily, 34.2°C, June 18, 19, 1998; minimum daily, 5.8°C, Jan. 19, 1997.

DISSOLVED OXYGEN: Maximum daily, 8.7 mg/L, July 12, 1994, but may have been higher during period of missing record; minimum daily, 0.0 mg/L, Apr. 24, Nov. 17, 1996, but may have been 0.0 mg/L during period of missing record.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	327	323	325	283	279	281	323	306	315	---	---	---
2	325	323	324	282	279	280	348	323	335	---	---	---
3	326	324	325	283	280	281	371	347	359	---	---	---
4	328	325	327	---	---	---	376	367	371	---	---	---
5	329	326	327	---	---	---	386	375	380	---	---	---
6	345	327	329	---	---	---	389	380	386	---	---	---
7	329	327	328	---	---	---	389	373	386	367	361	364
8	329	326	327	---	---	---	399	380	389	369	361	366
9	327	324	325	---	---	---	412	390	399	373	365	370
10	325	318	323	---	---	---	420	405	412	373	370	371
11	320	315	317	---	---	---	424	416	421	380	370	372
12	321	318	319	---	---	---	419	399	416	380	361	373
13	323	317	320	---	---	---	416	400	409	382	375	378
14	322	312	318	---	---	---	407	391	401	386	377	381
15	323	305	318	---	---	---	---	---	---	383	377	380
16	315	286	303	---	---	---	---	---	---	377	370	372
17	309	291	302	---	---	---	---	---	---	379	363	372
18	309	286	300	---	---	---	---	---	---	369	366	368
19	294	274	283	---	---	---	---	---	---	366	364	365
20	303	286	295	---	---	---	---	---	---	369	363	365
21	295	286	291	---	---	---	---	---	---	363	362	363
22	298	283	289	---	---	---	---	---	---	366	349	362
23	286	270	275	---	---	---	---	---	---	363	361	362
24	275	264	269	---	---	---	---	---	---	373	359	361
25	274	269	272	---	---	---	---	---	---	360	353	358
26	293	271	282	274	264	268	---	---	---	357	352	355
27	296	288	293	302	274	285	---	---	---	354	346	351
28	288	278	283	320	298	308	---	---	---	351	346	348
29	---	---	---	320	311	317	---	---	---	351	346	349
30	---	---	---	311	299	303	---	---	---	349	345	347
31	---	---	---	306	297	301	---	---	---	350	347	348
MONTH	345	264	307	---	---	---	---	---	---	386	345	364

MISSISSIPPI RIVER DELTA

091323200 RED EYE SWAMP 11.0 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	364	344	348	398	392	395						
2	350	345	348	398	389	394						
3	350	347	349	397	390	394						
4	350	345	348	399	392	396						
5	355	347	350	406	395	401						
6	350	340	344	412	400	407						
7	348	343	345	412	392	406						
8	363	339	351	403	390	397						
9	369	357	362	394	381	389						
10	372	363	368	394	378	386						
11	377	367	372	391	378	382						
12	380	364	373	---	---	---						
13	380	369	374	---	---	---						
14	391	379	384	---	---	---						
15	398	386	393	---	---	---						
16	399	393	396	---	---	---						
17	399	392	396	342	338	341						
18	395	386	391	341	335	338						
19	393	385	390	341	336	338						
20	390	383	387	346	337	339						
21	387	372	381	341	338	339						
22	382	373	379	342	337	338						
23	382	373	377	344	337	341						
24	385	377	381	345	338	341						
25	390	385	388	343	337	339						
26	393	388	390	344	336	341						
27	394	385	387									
28	387	383	385									
29	387	380	384									
30	393	385	389									
31												
MONTH	399	339	374	---	---	---						

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.7	6.7	6.7	6.6	6.5	6.5	6.9	6.8	6.9	---	---	---
2	6.7	6.7	6.7	6.6	6.5	6.5	6.9	6.9	6.9	---	---	---
3	6.8	6.7	6.7	6.6	6.5	6.5	7.0	6.9	6.9	---	---	---
4	6.7	6.7	6.7	---	---	---	7.0	6.9	6.9	---	---	---
5	6.7	6.7	6.7	---	---	---	6.9	6.9	6.9	---	---	---
6	6.7	6.7	6.7	---	---	---	6.9	6.8	6.9	---	---	---
7	6.7	6.6	6.6	---	---	---	6.9	6.8	6.9	6.8	6.7	6.8
8	6.7	6.6	6.6	---	---	---	6.9	6.8	6.9	6.8	6.7	6.8
9	6.6	6.6	6.6	---	---	---	6.9	6.9	6.9	6.9	6.7	6.8
10	6.8	6.6	6.7	---	---	---	6.9	6.8	6.9	6.9	6.7	6.8
11	6.8	6.7	6.7	---	---	---	6.9	6.8	6.9	6.8	6.7	6.8
12	6.7	6.7	6.7	---	---	---	6.9	6.9	6.9	6.9	6.8	6.8
13	6.7	6.6	6.7	---	---	---	6.9	6.9	6.9	6.9	6.8	6.8
14	6.7	6.6	6.7	---	---	---	6.9	6.8	6.9	6.9	6.8	6.8
15	6.7	6.6	6.7	---	---	---	---	---	---	6.9	6.8	6.8
16	6.7	6.6	6.7	---	---	---	---	---	---	6.9	6.8	6.8
17	6.7	6.6	6.7	---	---	---	---	---	---	6.8	6.8	6.8
18	6.7	6.6	6.6	---	---	---	---	---	---	6.8	6.8	6.8
19	6.7	6.6	6.7	---	---	---	---	---	---	6.8	6.8	6.8
20	6.7	6.6	6.6	---	---	---	---	---	---	6.8	6.8	6.8
21	6.6	6.6	6.6	---	---	---	---	---	---	7.0	6.8	6.9
22	6.7	6.6	6.7	---	---	---	---	---	---	7.0	6.8	6.9
23	6.7	6.6	6.6	---	---	---	---	---	---	6.9	6.8	6.9
24	7.0	6.6	6.7	---	---	---	---	---	---	6.9	6.8	6.8
25	6.8	6.6	6.7	---	---	---	---	---	---	6.9	6.8	6.8
26	6.9	6.7	6.8	6.8	6.8	6.8	---	---	---	6.8	6.8	6.8
27	6.8	6.4	6.6	6.9	6.8	6.8	---	---	---	6.8	6.8	6.8
28	6.5	6.4	6.5	6.9	6.8	6.8	---	---	---	6.8	6.8	6.8
29	---	---	---	6.9	6.8	6.9	---	---	---	6.8	6.8	6.8
30	---	---	---	7.0	6.9	6.9	---	---	---	6.8	6.8	6.8
31	---	---	---	6.9	6.9	6.9	---	---	---	6.8	6.7	6.7
MONTH	7.0	6.4	6.7	---	---	---	---	---	---	7.0	6.7	6.8

MISSISSIPPI RIVER DELTA

091323200 RED EYE SWAMP 11.0 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY				AUGUST			SEPTEMBER
1	6.8	6.7	6.8	7.1	7.0	7.1						
2	7.0	6.8	6.9	7.3	7.0	7.1						
3	7.1	6.8	6.9	7.1	7.0	7.1						
4	7.3	7.0	7.1	7.1	7.0	7.0						
5	7.3	7.0	7.1	7.1	7.0	7.0						
6	7.3	7.0	7.1	7.1	7.0	7.0						
7	7.0	6.9	7.0	7.1	7.0	7.0						
8	7.1	6.9	7.0	7.1	6.9	7.0						
9	7.1	6.9	7.0	7.1	6.9	7.0						
10	7.0	6.9	7.0	7.1	6.9	7.0						
11	7.3	6.9	7.1	7.1	6.9	7.0						
12	7.2	6.9	7.0	---	---	---						
13	7.1	6.8	6.9	---	---	---						
14	7.4	6.9	7.1	---	---	---						
15	7.5	7.1	7.2	---	---	---						
16	7.6	6.9	7.1	---	---	---						
17	7.6	7.0	7.2	7.0	6.9	7.0						
18	7.6	7.0	7.2	6.9	6.8	6.9						
19	7.7	7.0	7.2	7.0	6.9	6.9						
20	7.8	7.1	7.3	7.0	6.9	6.9						
21	7.6	7.1	7.3	7.0	6.9	6.9						
22	7.6	7.1	7.3	7.0	6.9	6.9						
23	7.6	7.1	7.3	7.0	6.9	6.9						
24	7.6	7.2	7.3	7.0	6.8	6.9						
25	7.6	7.1	7.4	6.9	6.8	6.9						
26	7.3	7.1	7.2	6.9	6.8	6.8						
27	7.4	7.1	7.2									
28	7.5	7.1	7.3									
29	7.4	7.1	7.2									
30	7.3	7.0	7.1									
31	---	---	---									
MONTH	7.8	6.7	7.1									

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.8	11.4	11.6	15.1	14.4	14.7	17.7	17.1	17.3	---	---	---
2	11.9	11.8	11.8	14.7	14.0	14.4	17.7	17.5	17.6	---	---	---
3	12.6	11.5	12.0	14.3	13.6	13.9	18.5	17.6	17.9	---	---	---
4	12.7	11.7	12.2	---	---	---	18.0	17.4	17.7	---	---	---
5	12.4	11.8	12.1	---	---	---	17.8	17.1	17.5	---	---	---
6	12.3	11.7	12.0	---	---	---	17.9	17.4	17.6	---	---	---
7	12.2	11.4	11.9	---	---	---	18.2	17.9	18.0	21.8	21.5	21.6
8	12.4	11.5	11.9	---	---	---	18.6	18.2	18.5	21.9	21.6	21.7
9	12.4	11.9	12.2	---	---	---	18.7	18.1	18.5	22.7	21.9	22.3
10	14.2	12.2	13.1	---	---	---	18.8	18.1	18.5	22.5	22.2	22.3
11	14.6	13.2	13.9	---	---	---	18.8	18.1	18.5	22.5	22.2	22.4
12	14.4	13.7	14.0	---	---	---	19.1	18.4	18.7	22.5	22.3	22.4
13	15.2	13.8	14.4	---	---	---	19.2	18.8	19.0	22.6	22.3	22.4
14	15.3	13.9	14.6	---	---	---	19.8	19.1	19.4	22.6	22.5	22.5
15	14.8	13.5	14.2	---	---	---	---	---	---	22.5	22.4	22.5
16	13.7	13.3	13.5	---	---	---	---	---	---	22.9	22.5	22.6
17	14.3	12.7	13.5	---	---	---	---	---	---	23.1	22.8	22.9
18	14.6	13.3	13.8	---	---	---	---	---	---	23.3	23.0	23.1
19	14.4	13.9	14.2	---	---	---	---	---	---	23.5	23.2	23.3
20	14.6	13.9	14.2	---	---	---	---	---	---	23.7	23.4	23.5
21	15.2	13.9	14.5	---	---	---	---	---	---	23.9	23.6	23.7
22	15.1	14.4	14.9	---	---	---	---	---	---	24.2	23.8	24.0
23	14.9	13.8	14.2	---	---	---	---	---	---	24.5	24.1	24.3
24	15.1	14.1	14.4	---	---	---	---	---	---	24.8	24.4	24.5
25	15.8	14.6	15.1	---	---	---	---	---	---	25.0	24.7	24.8
26	16.3	15.7	16.0	16.8	16.0	16.4	---	---	---	25.4	24.9	25.1
27	15.9	15.1	15.4	17.3	16.6	16.9	---	---	---	25.7	25.4	25.5
28	15.3	14.8	15.0	17.5	17.0	17.2	---	---	---	26.2	25.7	25.9
29	---	---	---	17.9	17.3	17.5	---	---	---	26.4	26.1	26.2
30	---	---	---	18.7	17.8	18.2	---	---	---	26.7	26.3	26.4
31	---	---	---	18.4	17.7	18.2	---	---	---	27.3	26.6	26.9
MONTH	16.3	11.4	13.6	---	---	---	---	---	---	27.3	21.5	23.7

MISSISSIPPI RIVER DELTA

091323200 RED EYE SWAMP 11.0 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.7	27.1	27.4	30.4	29.4	29.7						
2	28.5	27.6	28.0	31.4	29.8	30.4						
3	28.9	28.0	28.5	30.7	30.1	30.4						
4	29.4	28.6	29.0	30.7	30.0	30.3						
5	29.8	28.9	29.3	30.6	30.1	30.4						
6	29.4	27.8	28.6	31.1	30.4	30.7						
7	27.8	26.9	27.3	31.3	30.8	31.0						
8	28.3	26.9	27.5	31.8	31.1	31.3						
9	29.3	27.7	28.4	31.8	31.2	31.5						
10	30.1	28.5	29.3	31.7	31.1	31.4						
11	31.2	28.9	29.9	32.0	31.2	31.6						
12	32.0	30.0	30.9	---	---	---						
13	32.4	30.5	31.2	---	---	---						
14	32.3	30.0	31.2	---	---	---						
15	32.5	30.0	31.2	---	---	---						
16	34.1	30.7	31.8	---	---	---						
17	33.8	30.7	32.2	30.8	30.3	30.5						
18	34.2	31.4	32.6	30.7	29.9	30.2						
19	34.2	31.4	32.4	31.0	30.2	30.5						
20	34.1	31.4	32.6	31.2	30.4	30.7						
21	33.3	31.3	32.0	31.3	30.6	30.9						
22	32.8	31.2	31.9	31.1	30.4	30.7						
23	32.0	30.8	31.3	30.9	30.2	30.5						
24	32.6	31.1	31.6	30.9	30.1	30.4						
25	33.0	31.2	32.0	30.9	29.9	30.3						
26	31.8	29.6	30.5	30.3	29.6	29.9						
27	29.6	28.6	29.1									
28	29.1	28.0	28.5									
29	29.3	28.5	28.8									
30	29.6	28.9	29.2									
31	---	---	---									
MONTH	34.2	26.9	30.1									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.0	4.2	4.5	3.6	2.5	3.1	5.1	4.2	4.6	---	---	---
2	4.9	4.7	4.8	4.1	2.7	3.4	4.4	4.2	4.3	---	---	---
3	5.1	4.6	4.9	4.0	3.2	3.5	5.3	4.2	4.7	---	---	---
4	4.7	4.2	4.5	---	---	---	5.0	4.1	4.4	---	---	---
5	4.6	3.8	4.1	---	---	---	4.7	3.4	3.8	---	---	---
6	4.2	3.8	3.9	---	---	---	4.0	3.2	3.6	---	---	---
7	4.0	3.5	3.7	---	---	---	4.5	3.8	4.2	6.3	5.3	5.8
8	3.8	3.2	3.5	---	---	---	4.6	3.6	4.1	6.0	4.7	5.2
9	3.5	2.6	3.1	---	---	---	4.5	3.8	4.2	6.6	4.0	5.3
10	4.9	3.0	3.7	---	---	---	4.6	3.7	4.1	6.1	4.9	5.5
11	4.9	4.1	4.3	---	---	---	4.3	3.5	3.8	5.7	4.7	5.1
12	4.3	3.5	4.0	---	---	---	4.3	3.2	3.9	6.1	5.4	5.6
13	4.0	2.9	3.5	---	---	---	5.2	4.0	4.9	6.1	5.2	5.7
14	3.7	3.0	3.4	---	---	---	5.1	4.2	4.7	6.4	5.1	5.8
15	3.9	3.0	3.4	---	---	---	---	---	---	5.5	4.6	5.1
16	3.6	2.7	3.0	---	---	---	---	---	---	5.3	4.5	4.8
17	3.5	2.3	2.9	---	---	---	---	---	---	4.9	4.3	4.6
18	3.2	1.9	2.8	---	---	---	---	---	---	5.0	4.0	4.5
19	3.7	3.0	3.4	---	---	---	---	---	---	5.1	4.4	4.8
20	3.3	2.2	2.8	---	---	---	---	---	---	5.3	4.5	4.9
21	2.9	2.2	2.5	---	---	---	---	---	---	6.0	4.5	5.3
22	4.0	2.6	3.5	---	---	---	---	---	---	5.7	4.6	5.2
23	3.8	2.7	3.0	---	---	---	---	---	---	5.4	4.5	5.0
24	3.1	2.3	2.5	---	---	---	---	---	---	5.1	4.0	4.4
25	3.2	2.2	2.6	---	---	---	---	---	---	4.5	3.7	4.0
26	3.3	2.6	3.0	6.0	5.5	5.8	---	---	---	4.1	3.3	3.7
27	3.2	2.6	2.8	6.5	5.5	6.0	---	---	---	4.3	3.4	3.7
28	3.6	2.5	2.8	6.4	5.5	5.9	---	---	---	3.7	2.9	3.3
29	---	---	---	6.3	5.1	5.6	---	---	---	3.3	2.5	2.9
30	---	---	---	6.7	5.1	5.6	---	---	---	3.3	2.6	2.8
31	---	---	---	5.7	5.1	5.3	---	---	---	3.3	2.1	2.6
MONTH	5.1	1.9	3.5	---	---	---	---	---	---	6.6	2.1	4.6

MISSISSIPPI RIVER DELTA

091360000 LAKE FAUSSE POINT CUT NEAR LITTLE GONSOLIN BAYOU NEAR CHARENTON, LA

LOCATION.--Lat 30°04'44", long 91°36'00", in sec. 24, T. 11 S., R. 8 E., St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 14.2 mi northwest of Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 1993 to current year.

GAGE.--Water-stage recorder with electromagnetic flowmeter. Datum of gage is 2.12 ft below sea level (by levels from U.S. Army Corps of Engineers).

REMARKS.--Below recordable stage: Oct. 1-Dec. 4.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 17.76 ft, Apr. 4, 1997; minimum recorded, 4.00 ft, Oct. 11, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 15.21 ft, May 17, 18, 19; minimum recorded, 4.48 ft, Dec. 6, 7, 8.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				7.05	13.71	13.23	14.24	14.01	---	11.48	8.22	5.98
2				7.02	13.54	13.27	14.31	14.11	---	11.54	7.96	5.97
3				7.10	13.21	13.30	14.37	14.20	---	11.61	7.72	5.97
4				7.21	12.90	13.30	14.44	14.28	---	11.67	7.65	5.97
5			4.69	7.53	12.63	13.29	14.49	14.34	---	11.72	7.63	5.97
6			4.60	7.86	12.32	13.30	14.51	14.41	---	11.72	7.62	5.96
7			4.53	8.48	11.99	13.45	14.51	14.54	---	11.73	7.71	5.95
8			4.74	8.95	11.68	13.51	14.52	14.66	---	11.77	7.90	5.95
9			5.11	9.20	11.46	13.48	14.52	14.76	---	11.77	8.03	5.95
10			5.36	9.41	11.33	13.45	14.47	14.82	---	11.72	8.03	5.95
11			5.03	9.63	11.29	13.36	14.38	14.86	---	11.68	7.92	6.31
12			4.94	9.97	11.14	13.27	14.30	14.93	9.90	11.63	7.72	6.95
13			5.25	10.35	11.04	13.20	14.24	15.01	9.77	11.62	7.54	6.88
14			5.50	10.75	11.01	13.15	14.19	15.10	9.72	11.67	7.56	6.74
15			5.49	11.24	11.16	13.12	14.15	15.17	9.73	11.74	7.58	6.13
16			5.61	11.62	11.38	13.14	14.12	15.20	9.74	11.76	7.57	5.95
17			5.62	12.00	11.56	13.33	14.06	15.20	9.81	11.72	7.54	5.95
18			5.49	12.33	11.71	13.32	14.00	15.20	9.88	11.65	7.48	5.95
19			5.28	12.65	11.88	13.33	13.97	15.20	9.93	11.54	7.47	5.95
20			5.29	12.90	12.03	13.36	13.89	15.18	10.02	11.44	7.41	5.95
21			5.54	13.08	12.20	13.43	13.80	15.17	10.10	11.31	7.40	5.94
22			5.74	13.43	12.50	13.54	13.73	15.15	10.19	11.16	7.43	5.93
23			5.80	13.74	12.65	13.64	13.67	15.13	10.30	10.95	7.29	5.92
24			6.09	14.01	12.75	13.70	13.61	15.09	10.44	10.74	7.12	5.91
25			6.62	14.21	12.85	13.73	13.59	15.05	10.61	10.53	6.88	5.91
26			7.07	14.41	12.97	13.83	13.60	15.00	10.90	10.31	6.62	5.91
27			7.23	14.49	13.08	13.94	13.61	14.88	11.20	9.98	6.36	5.91
28			7.02	14.44	13.17	14.02	13.81	14.67	11.37	9.61	6.15	5.90
29			6.98	14.32	---	14.07	13.93	---	11.46	9.18	6.02	5.90
30			7.02	14.13	---	14.12	13.98	---	11.49	8.81	5.99	5.90
31			7.03	13.91	---	14.19	---	---	---	8.49	5.98	---
MEAN			---	11.21	12.18	13.50	14.10	---	---	11.10	7.34	6.05
MAX			---	14.49	13.71	14.19	14.52	---	---	11.77	8.22	6.95
MIN			---	7.02	11.01	13.12	13.59	---	---	8.49	5.98	5.90

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW 1/4 SE 1/4 sec. 32, T. 6 S., R. 1 W., Louisiana Meridian, Evangeline Parish, Hydrologic Unit 08080201, on left downstream side of bridge of eastbound lane on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

DRAINAGE AREA.--131 mi².

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

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft above sea level (Corps of Engineers levels). Prior to Mar. 23, 1989, nonrecording gage read twice daily. Prior to Dec. 12, 1987, water-stage recorder at same site and datum. Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Water-stage recorder for Bayou des Cannes at State Highway 755, near Eunice (Station No. 08010010) used as auxiliary gage for this station from November 1950 to September 1984. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--No estimated daily discharge. Records fair. Small diversion above station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s, May 20, 1953, gage height, 22.36 ft; no flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.58	6.2	71	63	72	104	92	189	4.1	7.2	13	3.7
2	.45	5.2	34	50	68	68	60	102	4.0	5.1	8.2	3.6
3	.42	4.2	187	50	67	49	72	65	5.3	3.5	10	4.0
4	.40	3.4	322	98	51	30	132	38	5.4	2.6	32	6.3
5	.40	3.2	115	1530	39	24	106	35	8.2	2.1	43	4.6
6	.38	2.8	58	2430	32	26	44	29	9.7	1.6	27	4.2
7	.50	1.9	39	4120	19	590	59	23	8.9	3.8	27	9.3
8	.61	1.6	300	4500	17	1950	83	15	4.0	3.9	61	9.7
9	.55	3.3	271	4030	14	1180	72	9.5	3.7	6.2	53	4.4
10	.50	2.7	140	2080	139	240	52	10	2.8	3.6	19	5.2
11	.41	2.0	88	657	1480	79	50	9.0	2.2	2.4	11	605
12	.41	69	49	1510	971	49	55	6.1	3.9	2.0	22	3190
13	3.5	199	32	4110	176	39	40	5.4	4.5	1.8	50	5130
14	7.3	71	26	4650	79	49	83	5.9	2.4	124	244	4800
15	3.4	24	21	4370	97	32	95	7.6	2.0	297	135	3170
16	2.8	13	14	2610	997	251	78	13	2.7	216	131	1520
17	1.2	10	16	987	1870	2100	49	8.1	1.9	157	628	724
18	1.7	10	16	313	1100	2050	87	5.7	1.3	86	232	248
19	1.7	82	14	172	244	738	353	5.2	1.5	50	345	124
20	1.1	67	14	134	128	200	187	4.8	2.0	18	190	79
21	1.0	543	539	114	105	114	143	4.7	1.7	48	99	47
22	.99	1340	834	2210	1110	92	89	5.0	1.3	79	104	36
23	.86	500	658	3410	2400	81	59	4.6	1.7	70	55	68
24	4.6	120	2270	1820	1220	76	65	4.7	4.3	38	27	46
25	3.9	59	2360	541	282	56	82	5.9	3.4	42	9.4	18
26	119	41	994	415	304	75	65	4.8	4.0	51	5.1	8.9
27	116	38	1080	777	560	131	46	4.5	6.7	26	4.3	9.3
28	26	26	696	317	208	194	907	4.5	6.0	36	4.2	6.9
29	12	156	225	151	---	174	1020	4.4	3.9	30	4.0	5.2
30	16	178	116	111	---	105	450	4.2	4.0	18	3.9	4.9
31	8.9	---	84	85	---	89	---	4.1	---	23	3.8	---
TOTAL	337.56	3582.5	11683	48415	13849	11035	4775	637.7	117.5	1454.8	2600.9	19895.2
MEAN	10.9	119	377	1562	495	356	159	20.6	3.92	46.9	83.9	663
MAX	119	1340	2360	4650	2400	2100	1020	189	9.7	297	628	5130
MIN	.38	1.6	14	50	14	24	40	4.1	1.3	1.6	3.8	3.6
AC-FT	670	7110	23170	96030	27470	21890	9470	1260	233	2890	5160	39460
CFSM	.08	.91	2.88	11.9	3.78	2.72	1.22	.16	.03	.36	.64	5.06
IN.	.10	1.02	3.32	13.75	3.93	3.13	1.36	.18	.03	.41	.74	5.65

MERMENAU RIVER BASIN
08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

MEAN	131	192	381	461	447	311	336	321	202	223	172	177
MAX	1119	856	1748	1562	1615	1167	1238	2362	894	1519	1456	961
(WY)	1986	1986	1972	1998	1959	1980	1967	1953	1942	1946	1940	1973
MIN	1.11	7.72	29.1	9.01	7.01	3.86	5.02	.42	.43	.81	13.6	1.14
(WY)	1939	1951	1959	1981	1947	1955	1963	1943	1948	1944	1941	1993

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1939 - 1998

ANNUAL TOTAL	120179.33	118383.16	
ANNUAL MEAN	329	324	279
HIGHEST ANNUAL MEAN			523
LOWEST ANNUAL MEAN			87.0
HIGHEST DAILY MEAN	5130	5130	11700
LOWEST DAILY MEAN	.38	.38	.00
ANNUAL SEVEN-DAY MINIMUM	.45	.45	.00
INSTANTANEOUS PEAK FLOW		5210	11900
INSTANTANEOUS PEAK STAGE		18.86	22.36
INSTANTANEOUS LOW FLOW		.37	.37
INSTANTANEOUS LOW STAGE		.97	.00
ANNUAL RUNOFF (AC-FT)	238400	234800	201900
ANNUAL RUNOFF (CFSM)	2.51	2.48	2.13
ANNUAL RUNOFF (INCHES)	34.13	33.62	28.91
10 PERCENT EXCEEDS	789	990	762
50 PERCENT EXCEEDS	94	44	47
90 PERCENT EXCEEDS	3.4	2.4	4.0

*Occurred Oct 6, 7, 11, 12.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.00	1.46	3.34	3.01	3.34	4.10	3.84	5.70	1.34	1.56	1.57	1.03
2	.99	1.39	2.37	2.68	3.24	3.25	3.05	4.16	1.32	1.42	1.35	1.02
3	.99	1.31	4.98	2.67	3.21	2.76	3.36	3.28	1.43	1.28	1.46	1.06
4	.98	1.24	7.19	3.53	2.79	2.27	4.69	2.60	1.44	1.22	2.21	1.24
5	.98	1.22	4.06	14.37	2.52	2.08	4.13	2.54	1.62	1.18	2.54	1.11
6	.97	1.20	2.79	16.41	2.32	2.14	2.64	2.35	1.70	1.13	2.07	1.08
7	1.00	1.12	2.31	18.02	1.93	8.21	3.02	2.18	1.65	1.31	2.07	1.40
8	1.03	1.08	6.68	18.33	1.85	15.67	3.63	1.92	1.33	1.33	3.00	1.42
9	1.02	1.23	6.53	17.95	1.76	13.25	3.35	1.70	1.31	1.50	2.78	1.10
10	1.01	1.19	4.59	15.63	3.55	6.20	2.83	1.72	1.24	1.30	1.78	1.13
11	.98	1.13	3.52	10.49	14.48	3.53	2.79	1.67	1.18	1.20	1.51	8.56
12	.98	3.01	2.59	12.83	12.26	2.76	2.91	1.49	1.32	1.17	1.88	17.11
13	1.25	5.81	2.13	18.01	5.35	2.52	2.53	1.44	1.37	1.15	2.65	18.80
14	1.57	3.42	1.95	18.45	3.54	2.77	3.62	1.48	1.20	4.05	6.52	18.56
15	1.33	2.16	1.81	18.22	3.70	2.31	3.90	1.58	1.17	7.19	4.69	17.14
16	1.28	1.79	1.60	16.49	12.62	4.96	3.48	1.85	1.23	6.12	4.16	14.59
17	1.14	1.68	1.65	12.51	15.51	15.84	2.76	1.62	1.15	5.14	10.39	11.14
18	1.19	1.67	1.67	7.25	12.93	15.72	3.66	1.47	1.09	3.65	6.21	6.48
19	1.19	3.66	1.58	5.33	6.35	11.02	7.83	1.43	1.12	2.69	7.55	4.52
20	1.12	3.32	1.61	4.64	4.63	5.82	5.67	1.39	1.16	1.74	5.64	3.51
21	1.11	8.05	8.59	4.23	4.13	4.32	4.94	1.39	1.13	2.62	3.96	2.67
22	1.10	14.12	11.88	15.17	11.58	3.84	3.85	1.41	1.08	3.49	4.08	2.39
23	1.08	9.07	10.14	17.42	16.37	3.58	3.10	1.38	1.13	3.25	2.85	3.23
24	1.41	4.43	16.10	15.16	13.38	3.47	3.27	1.39	1.36	2.37	2.06	2.66
25	1.37	3.04	16.26	9.50	6.84	2.95	3.69	1.48	1.28	2.50	1.40	1.82
26	4.35	2.56	12.57	8.17	6.96	3.42	3.26	1.40	1.33	2.72	1.15	1.44
27	4.32	2.48	13.25	11.61	9.81	4.67	2.78	1.38	1.53	2.02	1.09	1.46
28	2.24	2.14	10.85	7.32	5.94	5.79	11.44	1.37	1.48	2.30	1.07	1.33
29	1.77	4.82	6.01	5.01	---	5.45	12.80	1.36	1.32	2.13	1.06	1.21
30	1.93	5.46	4.20	4.21	---	4.14	8.75	1.35	1.33	1.76	1.05	1.18
31	1.62	---	3.53	3.63	---	3.77	---	1.34	---	1.92	1.04	---
MAX	4.35	14.12	16.26	18.45	16.37	15.84	12.80	5.70	1.70	7.19	10.39	18.80
MIN	.97	1.08	1.58	2.67	1.76	2.08	2.53	1.34	1.08	1.13	1.04	1.02

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE 1/4 NW 1/4 sec. 1, T. 7 S., R. 3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft downstream from Missouri Pacific Railroad bridge, and 2.0 mi west of Basile.

DRAINAGE AREA.--527 mi².

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

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft above sea level. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) used as auxiliary for this station since July 7, 1979 to Sep. 30, 1984. Mar. 27, 1945 to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s, May 20, 1953, gage height, 34.39 ft; minimum discharge, 0.1 ft³/s, June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft, June 28, 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	69	1660	2790	2140	2590	220	631	43	123	72	25
2	12	52	1670	2220	1360	2240	218	412	39	135	69	27
3	7.3	41	1490	1470	746	1870	200	258	33	122	54	28
4	4.6	33	1380	871	436	1460	199	189	25	124	47	28
5	3.3	28	1170	1540	285	901	227	144	20	121	62	29
6	2.7	27	823	3150	220	464	246	126	19	105	71	31
7	2.4	30	491	6440	177	645	194	109	28	80	172	34
8	2.2	34	386	9150	149	1810	157	72	58	83	429	35
9	2.4	37	693	9870	133	2600	169	56	63	97	303	36
10	2.8	41	831	9070	158	2730	180	55	62	97	199	39
11	3.2	48	735	7990	855	2510	184	51	53	82	122	304
12	3.3	68	493	7560	1370	2110	179	52	49	79	84	1930
13	5.5	178	303	8830	1300	1730	146	59	55	77	63	4430
14	18	247	201	10100	1000	1330	111	57	48	83	278	6910
15	48	182	146	10400	708	775	125	53	37	478	386	7740
16	45	124	113	9970	1020	528	146	53	31	537	234	6980
17	44	90	96	8940	1780	1700	158	54	30	398	405	5830
18	35	69	76	7590	2310	3120	173	54	37	295	605	4870
19	20	84	65	6280	2380	3700	273	47	33	213	435	4130
20	12	182	62	5250	2130	3780	402	44	45	162	436	3370
21	8.4	263	824	4540	1820	3550	345	46	50	125	264	2540
22	7.0	626	2000	5060	1840	3170	301	49	41	161	136	e2000
23	7.5	736	2730	6120	2640	2780	220	47	33	353	84	e2500
24	14	497	3520	6390	3350	2410	146	41	32	340	61	e1000
25	18	306	4450	5730	3380	2070	124	37	40	250	45	e450
26	96	193	4620	5130	3090	1560	122	34	50	181	34	e100
27	330	127	4680	4700	2840	912	127	33	56	138	26	e40
28	338	95	4650	4320	2770	553	327	32	72	110	20	e90
29	239	336	4300	3850	---	395	862	29	109	119	17	e200
30	155	1200	3830	3300	---	284	788	29	116	116	19	e400
31	99	---	3310	2740	---	219	---	34	---	84	23	---
TOTAL	1606.6	6043	51798	181361	42387	56496	7269	2987	1407	5468	5255	56126
MEAN	51.8	201	1671	5850	1514	1822	242	96.4	46.9	176	170	1871
MAX	338	1200	4680	10400	3380	3780	862	631	116	537	605	7740
MIN	2.2	27	62	871	133	219	111	29	19	77	17	25
AC-FT	3190	11990	102700	359700	84070	112100	14420	5920	2790	10850	10420	111300
CFSM	.10	.38	3.17	11.1	2.87	3.46	.46	.18	.09	.33	.32	3.55
IN.	.11	.43	3.66	12.80	2.99	3.99	.51	.21	.10	.39	.37	3.96

e Estimated

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

MEAN	317	522	1137	1488	1526	1157	1096	1061	529	533	415	424
MAX	2819	4751	4259	5850	6528	3301	5598	9202	2459	4695	5169	3109
(WY)	1986	1986	1972	1998	1955	1980	1995	1953	1940	1989	1940	1979
MIN	3.81	10.3	46.4	30.8	89.3	124	12.9	7.05	.38	10.8	23.0	11.4
(WY)	1949	1951	1959	1981	1968	1962	1946	1951	1948	1944	1947	1980

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1939 - 1998

ANNUAL TOTAL	341286.0	418203.6	
ANNUAL MEAN	935	1146	848
HIGHEST ANNUAL MEAN			1639
LOWEST ANNUAL MEAN			283
HIGHEST DAILY MEAN	5420	Mar 1	10400
LOWEST DAILY MEAN	2.2	Oct 8	2.2
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 5	2.7
INSTANTANEOUS PEAK FLOW			10400
INSTANTANEOUS PEAK STAGE			24.45
INSTANTANEOUS LOW FLOW			2.10
INSTANTANEOUS LOW STAGE			1.64
ANNUAL RUNOFF (AC-FT)	676900	829500	614100
ANNUAL RUNOFF (CFSM)	1.77	2.17	1.61
ANNUAL RUNOFF (INCHES)	24.09	29.52	21.86
10 PERCENT EXCEEDS	3230	3800	2600
50 PERCENT EXCEEDS	303	180	168
90 PERCENT EXCEEDS	18	29	12

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.54	3.34	16.26	18.97	17.65	18.64	6.08	10.21	2.87	4.42	3.50	2.28
2	2.25	2.97	16.30	17.87	14.88	17.93	6.04	8.11	2.78	4.62	3.43	2.34
3	2.03	2.70	15.57	15.38	11.15	16.91	5.80	6.35	2.60	4.41	3.11	2.38
4	1.87	2.47	15.01	12.12	8.45	15.40	5.80	5.42	2.34	4.44	2.95	2.39
5	1.76	2.31	13.96	15.57	6.84	12.28	6.17	4.74	2.17	4.38	3.28	2.44
6	1.70	2.28	11.76	19.39	6.02	8.70	6.41	4.48	2.12	4.12	3.48	2.50
7	1.67	2.35	8.91	22.37	5.38	10.06	5.72	4.19	2.43	3.68	4.97	2.59
8	1.65	2.49	7.84	23.81	4.95	16.61	5.19	3.54	3.24	3.73	8.31	2.61
9	1.67	2.58	10.74	24.14	4.69	18.65	5.36	3.20	3.36	3.98	6.89	2.65
10	1.71	2.70	11.86	23.77	5.04	18.89	5.52	3.18	3.34	3.96	5.53	2.72
11	1.75	2.89	11.09	23.25	11.81	18.48	5.58	3.09	3.13	3.72	4.37	6.02
12	1.76	3.31	8.94	23.03	14.98	17.61	5.50	3.11	3.04	3.67	3.71	16.91
13	1.90	5.15	6.89	23.66	14.64	16.48	5.02	3.27	3.18	3.63	3.30	20.84
14	2.43	6.18	5.54	24.24	13.02	14.79	4.45	3.23	3.02	3.71	6.50	22.67
15	3.28	5.25	4.70	24.42	10.87	11.36	4.69	3.14	2.73	8.73	7.85	23.12
16	3.22	4.34	4.15	24.19	12.98	9.25	5.03	3.14	2.53	9.37	6.02	22.71
17	3.20	3.73	3.83	23.71	16.61	16.14	5.20	3.16	2.51	7.99	7.95	22.04
18	2.97	3.33	3.48	23.04	18.09	19.46	5.42	3.16	2.72	6.80	9.99	21.36
19	2.53	3.63	3.26	22.31	18.25	20.24	6.69	2.98	2.59	5.74	8.38	20.67
20	2.23	5.25	3.20	21.66	17.68	20.31	8.16	2.92	2.93	5.00	8.39	19.82
21	2.08	6.36	11.10	21.06	16.77	20.05	7.57	2.98	3.07	4.43	6.40	18.51
22	2.02	10.11	17.25	21.51	16.82	19.55	7.07	3.05	2.84	4.97	4.59	---
23	2.04	11.10	18.88	22.22	18.68	18.96	6.06	2.99	2.62	7.48	3.71	---
24	2.30	8.98	20.00	22.38	19.81	18.30	5.03	2.82	2.57	7.33	3.27	---
25	2.46	6.92	20.98	21.99	19.85	17.48	4.67	2.73	2.81	6.24	2.88	---
26	4.09	5.41	21.14	21.57	19.44	15.80	4.64	2.64	3.07	5.28	2.57	---
27	7.22	4.39	21.18	21.20	19.07	12.37	4.72	2.61	3.21	4.62	2.33	---
28	7.32	3.81	21.16	20.85	18.96	9.55	7.03	2.56	3.52	4.17	2.11	---
29	6.06	6.83	20.84	20.39	---	8.08	12.08	2.47	4.19	4.32	2.01	---
30	4.84	14.03	20.36	19.74	---	6.87	11.52	2.47	4.30	4.26	2.06	---
31	3.90	---	19.76	18.90	---	6.06	---	2.65	---	3.72	2.21	---
MAX	7.32	14.03	21.18	24.42	19.85	20.31	12.08	10.21	4.30	9.37	9.99	---
MIN	1.65	2.28	3.20	12.12	4.69	6.06	4.45	2.47	2.12	3.63	2.01	---

MERMENTAU RIVER BASIN
08012150 MERMENTAU RIVER AT MERMENTAU, LA

LOCATION.--Lat 30°11'23", long 92°35'25", on line between secs. 14 and 31, T. 10 S., R. 2 W., on parish line of Jefferson Davis and Acadia Parishes, Hydrologic Unit 08080202, on downstream side of U.S. Highway 90 bridge, 300 ft. upstream from Southern Pacific Transportation Company railroad bridge, 0.25 mi west of Mermentau, and 2.0 mi downstream from confluence with Bayous Nezpique and Des Cannes.

DRAINAGE AREA.--1,381 mi².

PERIOD OF RECORD.--October 1984 to current year. August 1941 to September 1984 (gage-height records only), in files of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 0.58 ft. below sea level. Prior to October 1988, 1.12 ft below sea level, (when datum is applied to gage heights as published). Prior to October 1984, datum of gage is at mean low Gulf.

REMARKS.--No estimated daily discharges. Records poor. No gage-height record for the periods: May 15-16. No velocity record for the periods: Oct. 1, Dec. 9-23. Discharge is affected by tide and wind at medium and low stages. Reverse flow at times during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 38,200 ft³/s, July 5, 1989; maximum negative discharge, -11,500 ft³/s, Dec. 31, 1984; maximum gage height, 10.97 ft, Nov. 2, 1985; minimum gage height, -0.03 ft, Aug. 15, 1985; no flow at times each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.5 ft, August 1940; minimum gage height, -0.94 ft, July 13, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 20,400 ft³/s, Jan. 13; maximum negative daily discharge recorded, -1,520 ft³/s, Aug. 31; no flow at times during the year. Maximum gage height, 6.91 ft, Sept. 16; minimum gage height, 0.80 ft, June 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-258	---	1420	5180	4060	5690	840	1690	-781	95	400	-264
2	-77	---	1100	4420	4110	4630	128	2500	-809	398	---	-233
3	-177	---	1700	3840	3600	4110	494	1430	-1010	451	---	-801
4	-78	---	2170	3190	2350	2900	1390	1870	-1020	199	---	-864
5	-90	---	2000	5500	1350	2990	309	217	-465	214	---	-769
6	-92	---	1850	6840	1070	2240	-267	-90	679	320	---	-668
7	-138	-58	1270	11700	630	782	152	-441	466	176	---	-1170
8	-460	-72	555	14600	268	2600	-109	133	-49	200	57	-861
9	-70	-44	287	---	-321	2840	1310	-926	-579	-50	359	-453
10	-157	201	1660	15300	-274	3060	1140	1220	-688	-164	-142	-256
11	-339	205	1390	16100	3380	3240	-188	-15	-899	-331	-480	3230
12	-40	616	914	19000	3240	3220	-655	-509	-669	-564	-726	---
13	435	430	634	20400	2490	2610	-94	-348	-517	-8.6	-320	---
14	382	608	427	19600	2520	2440	-572	-776	-773	2120	1900	---
15	294	906	14	---	2420	1690	-910	-957	-446	2870	4040	---
16	517	410	-310	---	3700	1370	-260	-432	-606	1850	2940	---
17	602	-90	-255	---	5840	5620	1720	3.2	-851	2270	975	---
18	199	91	-352	---	5550	6040	738	187	-922	1710	1710	---
19	-231	432	-486	---	4100	5240	1940	13	-844	966	3330	8720
20	-2.2	-210	-388	---	4650	4540	1340	-494	-630	528	2090	6190
21	-386	327	1760	---	4010	4340	1430	---	-451	631	1520	4870
22	98	2340	3470	---	5290	3890	1440	---	132	853	538	5180
23	-870	1970	2980	---	6830	3530	1100	---	418	733	263	5310
24	-335	1800	5680	---	7080	3390	-195	---	367	307	411	3020
25	-1210	1640	6880	---	5940	2920	-381	---	571	306	-355	2480
26	1040	1640	6710	---	6440	2370	-168	---	241	548	-220	1300
27	743	894	9770	---	9720	1220	56	136	719	-75	-160	1960
28	446	265	10500	---	8600	2430	1560	-179	1040	-240	-312	1630
29	259	1230	9320	7360	---	1080	2290	-173	577	-294	-724	541
30	60	1600	7870	5730	---	916	2380	-246	-119	-271	-834	-290
31	-299	---	6790	4530	---	1850	---	-776	---	33	-1520	---
TOTAL	-234.2	---	87330	---	108643	95788	17958	---	-7918	15780.4	---	---
MEAN	-7.55	---	2817	---	3880	3090	599	---	-264	509	---	---

MERMENTAU RIVER BASIN
08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.46	1.52	1.69	2.27	3.28	2.87	2.34	2.36	1.35	1.95	1.56	1.75
2	1.42	---	1.76	2.25	3.09	2.65	2.29	2.32	1.38	1.94	1.51	1.68
3	1.47	---	1.88	2.18	2.83	2.44	2.32	2.29	1.37	2.02	1.58	1.73
4	1.47	---	1.70	2.17	2.75	2.45	1.99	2.11	1.42	2.02	1.58	1.76
5	1.48	---	1.59	2.53	2.71	2.41	1.93	2.13	1.30	1.95	1.55	1.74
6	1.45	1.24	1.55	3.00	2.55	2.27	2.04	2.16	1.23	1.90	1.50	1.72
7	1.48	1.25	1.57	4.34	2.41	2.55	2.05	2.13	1.26	1.87	1.44	1.76
8	1.59	1.35	1.72	4.93	2.31	2.59	2.01	2.01	1.46	1.86	1.48	1.78
9	1.55	1.36	1.73	5.34	2.29	2.27	1.81	2.14	1.51	1.85	1.48	1.68
10	1.53	1.33	1.59	5.65	2.40	2.11	1.63	1.91	1.47	1.79	1.47	1.71
11	1.61	1.31	1.28	5.65	2.45	2.14	1.70	1.88	1.52	1.75	1.44	2.84
12	1.67	1.47	1.33	5.77	2.31	2.06	1.85	1.93	1.44	1.74	1.44	4.63
13	1.57	1.64	1.40	5.90	2.21	2.07	1.88	1.92	1.35	1.69	1.41	5.88
14	1.18	1.64	1.44	5.75	2.17	2.07	1.88	1.97	1.47	1.84	1.62	6.52
15	1.39	1.51	1.51	5.79	2.19	2.09	1.92	1.97	1.37	1.97	1.74	6.84
16	1.41	1.48	1.55	5.79	2.45	2.31	1.87	1.85	1.24	1.97	1.83	6.80
17	1.47	1.57	1.53	5.64	2.83	2.76	1.54	1.77	1.29	1.90	1.81	6.45
18	1.50	1.60	1.53	5.34	2.76	2.89	1.60	1.70	1.28	1.83	1.81	5.85
19	1.57	1.67	1.56	4.92	2.64	2.96	1.73	1.67	1.18	1.81	1.87	5.30
20	1.56	1.74	1.55	4.44	2.53	2.74	1.81	1.68	1.14	1.79	1.88	4.87
21	1.55	1.92	1.94	4.12	2.44	2.54	1.76	1.70	1.08	1.77	1.86	4.53
22	1.44	1.87	1.94	4.37	2.76	2.49	1.65	1.71	.99	1.80	1.94	4.27
23	1.63	1.86	2.01	4.64	2.97	2.50	1.60	1.70	.97	1.81	1.99	4.02
24	1.78	1.89	2.52	4.76	2.97	2.49	1.64	1.66	.95	1.82	2.02	3.83
25	1.69	1.94	2.55	4.82	2.90	2.48	1.77	1.65	.90	1.81	2.02	3.69
26	1.54	1.94	2.44	4.69	3.04	2.49	1.77	1.58	1.03	1.75	2.00	3.56
27	1.36	1.89	2.72	4.34	3.23	2.70	1.79	1.50	1.34	1.76	1.95	3.36
28	1.49	1.96	2.94	4.04	3.14	2.62	2.10	1.45	1.58	1.73	1.89	3.16
29	1.53	1.90	2.81	3.77	---	2.56	2.21	1.44	1.81	1.72	1.83	3.04
30	1.57	1.77	2.59	3.55	---	2.74	2.24	1.40	1.93	1.68	1.81	2.99
31	1.60	---	2.39	3.36	---	2.63	---	1.37	---	1.62	1.79	---
MAX	1.78	---	2.94	5.90	3.28	2.96	2.34	2.36	1.93	2.02	2.02	6.84
MIN	1.18	---	1.28	2.17	2.17	2.06	1.54	1.37	.90	1.62	1.41	1.68

MERMENTAU RIVER BASIN

08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA

LOCATION.--Lat 30°06'52", long 92°19'25", in sec. 1, T. 11 S., R. 1 E., Louisiana Meridian, Acadia-Vermilion Parish line, Hydrologic Unit 08080202, at bridge (Simon Bridge) on State Highway 92, 4.4 mi southwest of Indian Bayou and 8.2 mi southeast of Crowley.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1991 to current year. Unpublished records, May 1991 to September 1991, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Gage datum not determined.

REMARKS.--Records poor. Discharge affected by wind and variable backwater from Mermentau River causing reverse flow at times during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge recorded, 4,070 ft³/s, Jan. 22, 1993; minimum daily discharge recorded, 0.67 ft³/s, Sept. 14, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 1,150 ft³/s, Dec. 24; maximum gage height, 17.58 ft, Jan. 8; maximum negative daily discharge recorded, -13 ft³/s, June 14; minimum gage height, 5.04 ft, June 22, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.17	1.3	3.2	24	39	38	28	106	1.7	61	9.5	16
2	-3.6	-5.7	4.5	21	49	32	42	68	-2.7	59	2.7	.40
3	1.1	-6.9	6.3	25	63	29	45	67	-3.4	74	5.3	-5.7
4	-.23	-9.0	11	27	48	18	39	50	-1.0	120	28	-4.0
5	2.5	-6.2	2.7	---	34	24	34	49	-1.8	56	23	-6.3
6	.77	-1.0	-2.2	---	28	22	17	39	1.4	55	15	-6.2
7	-1.7	-6.8	-3.4	---	26	835	31	28	10	70	17	-7.7
8	.53	-9.2	107	---	15	481	22	17	7.8	88	25	-5.2
9	3.2	-7.0	77	---	19	124	20	23	6.6	51	8.7	1.5
10	1.7	-6.0	25	---	17	35	18	28	3.4	42	1.5	3.4
11	2.6	-7.5	1.5	---	102	17	6.8	15	-1.3	20	1.7	---
12	3.3	9.6	-5.3	---	59	3.9	14	11	-.77	17	-2.0	---
13	.81	32	-5.2	---	30	3.7	7.6	13	-2.2	12	1.5	---
14	5.0	9.2	-6.2	---	17	8.7	21	6.9	-13	180	100	---
15	-.37	-2.8	-7.3	---	47	14	17	8.4	-6.1	205	496	---
16	-2.9	-5.3	-4.5	---	387	178	31	13	.22	133	334	---
17	-4.3	-5.2	.07	---	801	955	22	12	-4.5	77	207	---
18	-5.8	-4.7	-3.2	---	243	596	56	12	-4.6	83	113	---
19	-3.0	24	-1.1	---	69	140	223	12	-5.2	73	326	---
20	1.8	17	-3.6	---	55	62	95	8.7	-5.8	41	123	---
21	-.26	216	397	---	43	48	73	4.2	-6.5	35	31	---
22	-4.4	614	537	736	910	55	43	4.4	-.68	192	18	---
23	-5.9	136	236	777	960	56	59	2.7	8.2	108	21	88
24	2.9	29	1150	196	202	33	82	7.0	32	49	65	35
25	6.1	18	628	70	67	50	54	9.4	42	48	19	2.8
26	1.1	18	139	185	291	65	43	26	39	34	11	.99
27	.18	9.3	460	274	541	72	63	17	137	29	7.6	-.14
28	-8.2	2.6	166	113	132	73	631	16	247	44	12	5.6
29	-6.0	10	43	71	---	41	386	12	272	17	22	-.28
30	-2.3	7.5	25	54	---	19	136	14	82	20	15	-2.2
31	.66	---	27	42	---	12	---	13	---	7.5	5.9	---
TOTAL	-14.88	1070.2	4004.27	---	5294	4140.3	2359.4	712.7	830.77	2100.5	2063.4	---
MEAN	-.48	35.7	129	---	189	134	78.6	23.0	27.7	67.8	66.6	---

MERMENTAU RIVER BASIN

08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.59	5.66	5.86	7.08	7.63	8.17	6.72	9.26	5.46	8.86	5.73	5.87
2	5.52	5.52	5.85	6.74	7.53	7.68	6.59	8.58	5.45	8.24	5.67	5.77
3	5.58	5.50	6.03	6.51	7.39	7.24	6.60	7.99	5.40	7.78	5.65	5.77
4	5.58	5.47	5.92	6.43	7.16	6.85	6.54	7.42	5.45	7.65	5.70	5.80
5	5.59	5.56	5.74	12.98	6.98	6.66	6.32	6.89	5.38	7.20	5.65	5.79
6	5.56	5.45	5.68	15.60	6.85	6.83	6.16	6.48	5.46	6.81	5.59	5.85
7	5.64	5.34	5.68	17.33	6.70	10.42	6.23	6.28	5.47	6.68	5.53	5.83
8	5.67	5.44	6.29	17.51	6.54	10.70	6.20	6.13	5.63	6.79	5.56	5.86
9	5.67	5.46	6.40	16.69	6.42	9.29	6.14	6.19	5.67	6.58	5.56	5.81
10	5.64	5.45	6.10	14.79	6.45	8.50	5.91	6.16	5.59	6.33	5.53	5.83
11	5.67	5.42	5.70	12.88	6.93	7.88	5.81	5.96	5.62	6.07	5.52	10.00
12	5.75	5.75	5.48	13.12	6.73	7.33	5.90	5.98	5.55	5.91	5.52	14.16
13	5.81	6.04	5.55	14.51	6.49	6.93	5.97	6.01	5.48	5.84	5.51	15.84
14	5.52	5.85	5.58	14.17	6.32	6.62	5.99	6.02	5.54	7.46	5.95	16.55
15	5.51	5.72	5.63	13.55	6.47	6.40	6.01	6.05	5.45	8.67	7.77	15.61
16	5.55	5.62	5.67	12.59	8.15	7.24	6.03	5.97	5.28	8.50	7.72	13.86
17	5.60	5.69	5.66	11.59	10.19	12.69	5.84	5.88	5.28	8.11	7.20	12.81
18	5.62	5.72	5.65	10.75	8.88	11.93	6.05	5.81	5.33	7.77	6.78	11.96
19	5.67	5.91	5.66	10.02	8.09	10.16	7.58	5.74	5.25	7.28	7.77	11.22
20	5.68	5.92	5.66	9.41	7.61	9.31	7.29	5.74	5.20	6.82	7.26	10.38
21	5.66	7.10	8.51	8.90	7.20	8.61	7.01	5.77	5.17	6.56	6.43	9.64
22	5.57	9.45	9.75	10.69	9.95	8.06	6.67	5.78	5.10	6.89	6.28	9.07
23	5.65	7.98	8.72	11.67	11.54	7.66	6.21	5.79	5.10	6.65	6.51	8.84
24	5.88	7.41	11.64	10.00	9.47	7.26	5.92	5.78	5.13	6.36	6.54	8.41
25	5.78	6.98	11.01	9.26	8.57	7.08	5.89	5.75	5.44	6.20	6.35	8.06
26	5.76	6.61	9.51	9.13	8.89	7.00	5.91	5.69	5.64	6.08	6.19	7.81
27	5.49	6.30	10.02	9.34	10.31	7.02	6.01	5.58	7.52	5.97	6.09	7.64
28	5.57	6.12	9.26	8.77	8.85	7.08	9.52	5.53	8.93	5.98	6.02	7.45
29	5.62	6.14	8.53	8.37	---	6.91	10.71	5.55	9.82	5.93	5.95	7.28
30	5.66	6.02	7.98	8.05	---	6.78	9.82	5.53	9.44	5.87	5.93	7.15
31	5.70	---	7.49	7.86	---	6.87	---	5.51	---	5.77	5.86	---
MAX	5.88	9.45	11.64	17.51	11.54	12.69	10.71	9.26	9.82	8.86	7.77	16.55
MIN	5.49	5.34	5.48	6.43	6.32	6.40	5.81	5.51	5.10	5.77	5.51	5.77

MERMENTAU RIVER BASIN

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA

LOCATION.--Lat 30°04'55", long 92°30'20", in sec. 19, T. 11 S., R. 1 W., Louisiana Meridian, Acadia-Vermilion Parish line, Hydrologic Unit 08080202, at bridge on State Highway 91, 0.5 mi northeast of Riceville, and 3.3 mi north of Gueydan.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year. Unpublished records, December 1982 to September 1985, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.30 ft below sea level. Oct. 4, 1942 to Dec. 31, 1951, nonrecording gage at same site. Prior to Oct. 1, 1987, at datum 6.60 ft below sea level.

REMARKS.--No estimated daily discharge. Records poor. Discharge affected by wind and variable backwater from Mermentau River causing reverse flow at times during the year. No velocity record for periods: Oct. 7, Nov. 23-25.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 6,980 ft³/s, Oct. 31, 1985; maximum gage height, 12.01 ft, Nov. 2, 1985; maximum negative discharge, -919 ft³/s, Feb. 14, 1986; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 5,470 ft³/s, Jan. 8; maximum gage height, 11.00 ft, Sept. 15; maximum negative daily discharge recorded, -113 ft³/s, May 14, minimum gage height, 3.71 ft, June 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	-19	20	315	422	616	136	1230	-45	1210	16	-11
2	-37	-17	-11	197	386	424	120	918	-79	891	13	-29
3	-24	-17	11	124	425	292	124	675	-94	629	-.60	-72
4	-13	-54	60	85	334	164	146	465	-100	503	.81	-77
5	2.4	-36	24	891	214	132	127	248	-65	387	-13	-62
6	9.3	-6.6	17	2620	195	169	11	101	6.4	249	-41	-18
7	---	-24	4.8	4720	187	614	43	11	1.5	200	-29	-36
8	-41	-31	79	5470	140	1220	50	-25	-12	208	-53	-34
9	-17	-24	145	5410	43	1180	103	-90	-12	193	-46	-5.8
10	-19	-10	117	4910	-14	876	59	33	-30	147	-51	-4.6
11	-43	-17	76	4120	136	616	-20	-52	-45	77	-51	479
12	-43	32	13	3370	147	401	-65	-98	-39	21	-42	2410
13	14	63	13	3950	119	264	-42	-85	-18	11	-25	3670
14	34	23	8.7	4110	69	169	-33	-113	-67	194	-7.2	4960
15	-17	16	-4.8	3850	64	106	-53	-102	-57	834	216	5040
16	-7.3	-6.6	-2.0	3370	268	91	9.8	-32	-72	953	374	4570
17	-13	-20	5.7	2690	655	1140	51	-47	-97	803	331	3740
18	-12	-7.8	-5.8	2020	829	1960	69	-38	-79	627	249	2880
19	-23	25	-12	1510	636	1740	311	-77	-66	434	219	2340
20	-14	12	1.9	1150	439	1250	365	-90	-73	253	250	1770
21	-22	82	214	840	311	871	301	-91	-50	181	147	1240
22	-9.0	612	737	986	416	630	215	-88	-38	186	84	872
23	-58	---	822	1640	1080	460	150	-70	-26	168	142	742
24	-35	---	1130	1560	1180	328	14	-39	-3.3	135	136	544
25	-39	---	1600	1120	868	251	-49	-65	63	105	127	365
26	6.5	173	1380	840	654	210	-25	-59	67	64	45	244
27	-6.4	93	1240	997	881	145	22	-72	225	33	29	220
28	-40	7.4	1100	898	851	242	428	-76	615	46	7.9	185
29	-33	37	813	742	---	194	1350	-70	1340	25	5.0	126
30	-39	33	606	588	---	-15	1580	-33	1490	28	-1.9	76
31	-30	---	450	548	---	41	---	-34	---	8.3	-32	---
TOTAL	---	---	10652.5	65641	11935	16781	5497.8	2135	2640.6	9803.3	1999.01	36123.6
MEAN	---	---	344	2117	426	541	183	68.9	88.0	316	64.5	1204

MERMENTAU RIVER BASIN

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.26	4.33	4.52	5.53	6.20	6.38	5.32	6.97	4.13	6.74	4.39	4.56
2	4.21	4.20	4.53	5.29	6.07	6.03	5.20	6.58	4.13	6.33	4.34	4.47
3	4.25	4.17	4.69	5.11	5.90	5.70	5.20	6.17	4.10	5.96	4.35	4.49
4	4.26	4.18	4.55	5.02	5.73	5.43	5.09	5.78	4.15	5.74	4.39	4.52
5	4.26	4.25	4.40	6.08	5.60	5.29	4.89	5.38	4.07	5.54	4.34	4.51
6	4.23	4.11	4.35	7.98	5.48	5.26	4.83	5.09	4.08	5.27	4.28	4.54
7	4.27	4.03	4.36	10.11	5.33	5.98	4.88	4.94	4.09	5.08	4.23	4.54
8	4.36	4.14	4.61	10.80	5.19	6.84	4.84	4.81	4.27	5.07	4.25	4.57
9	4.35	4.15	4.78	10.74	5.10	6.91	4.75	4.86	4.33	5.03	4.25	4.51
10	4.32	4.13	4.65	10.48	5.12	6.54	4.52	4.80	4.26	4.87	4.24	4.53
11	4.37	4.11	4.27	10.02	5.36	6.10	4.48	4.64	4.30	4.68	4.22	5.82
12	4.44	4.36	4.14	9.71	5.29	5.71	4.58	4.67	4.22	4.57	4.22	8.45
13	4.45	4.57	4.21	10.02	5.12	5.39	4.65	4.69	4.15	4.51	4.20	9.86
14	4.14	4.49	4.24	10.08	4.99	5.16	4.66	4.72	4.23	4.99	4.43	10.69
15	4.20	4.37	4.30	9.98	5.02	5.00	4.69	4.73	4.14	6.12	4.87	10.97
16	4.22	4.29	4.34	9.68	5.50	5.14	4.69	4.64	3.99	6.39	5.29	10.75
17	4.27	4.37	4.33	9.21	6.25	6.60	4.47	4.55	4.01	6.20	5.31	10.31
18	4.29	4.41	4.32	8.67	6.55	7.64	4.51	4.49	4.03	5.91	5.15	9.73
19	4.35	4.52	4.34	8.14	6.30	7.65	5.13	4.43	3.95	5.60	5.03	9.12
20	4.35	4.56	4.35	7.63	5.96	7.21	5.38	4.44	3.90	5.26	5.16	8.51
21	4.33	4.89	4.97	7.22	5.66	6.69	5.29	4.46	3.86	5.03	4.97	7.94
22	4.24	5.80	5.87	7.33	5.89	6.25	5.08	4.47	3.79	4.98	4.85	7.48
23	4.35	6.00	6.15	7.77	6.74	5.93	4.71	4.47	3.78	5.00	5.01	7.17
24	4.54	5.75	6.63	7.77	6.96	5.69	4.49	4.46	3.77	4.89	5.05	6.90
25	4.46	5.44	7.18	7.50	6.65	5.53	4.55	4.43	3.88	4.78	4.97	6.66
26	4.40	5.15	7.10	7.31	6.42	5.47	4.57	4.36	4.00	4.69	4.86	6.46
27	4.16	4.90	6.96	7.24	6.67	5.53	4.64	4.26	4.77	4.61	4.78	6.29
28	4.26	4.78	6.86	7.04	6.69	5.59	5.64	4.21	5.64	4.61	4.71	6.09
29	4.31	4.78	6.58	6.78	---	5.51	6.81	4.22	6.66	4.59	4.64	5.92
30	4.34	4.65	6.21	6.54	---	5.48	7.18	4.19	6.99	4.53	4.63	5.82
31	4.37	---	5.85	6.37	---	---	5.54	---	4.17	---	4.45	4.57---
MAX	4.54	6.00	7.18	10.80	6.96	7.65	7.18	6.97	6.99	6.74	5.31	10.97
MIN	4.14	4.03	4.14	5.02	4.99	5.00	4.47	4.17	3.77	4.45	4.20	4.47

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA

LOCATION.--Lat 30°04'12", long 92°52'43", in SE 1/4 SE 1/4 sec. 21, T.11 S., R.5 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at bridge on State Highway 14, 12.9 mi west of Lake Arthur, and 16.8 mi upstream from Intracoastal Waterway.

DRAINAGE AREA.--299 mi².

PERIOD OF RECORD.--October 1969 to September 1974 (annual peaks), October 1974 to September 1985 (gage height only), October 1985 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 7.00 ft below sea level (levels by Louisiana Department of Transportation and Development, Office of Highways); prior to Oct. 1, 1974, nonrecording gage at same site at datum 0.85 ft lower.

REMARKS.--No estimated daily discharge. Records poor. No gage-height record: Jan. 26, Aug. 4-7; no velocity record: Oct. 27-28, Jan. 21-27. Discharge affected by wind and tide at all stages. Reverse flow at times during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.72 ft, May 19, 1980; minimum gage height, 7.25 ft, Mar. 18, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 6,530 ft³/s, Sept. 16; maximum gage height, 11.94 ft, Sept. 15; no flow at times during the year; maximum negative daily discharge recorded, -692 ft³/s, Sept 10, minimum gage height, 7.88 ft, Nov. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-63	149	76	533	413	1010	430	101	-446	481	-50	-188
2	-80	-25	-45	350	1100	684	57	95	-480	130	-122	-212
3	-82	5.5	354	296	1070	303	279	126	-495	203	---	-176
4	-49	-61	478	351	373	35	332	-67	-402	359	---	-203
5	6.3	10	221	1070	220	299	-9.9	-234	-183	290	---	-287
6	-9.7	29	148	1500	555	219	-89	-87	-170	160	---	-213
7	-69	-91	82	3590	401	46	294	-15	-170	51	---	-285
8	-146	-56	592	4860	210	1420	113	-208	-37	-25	-67	-186
9	-20	-32	720	4830	67	1230	203	-143	-12	144	-42	-263
10	-141	-3.2	551	4000	-120	609	-81	-48	-20	118	-47	-692
11	-211	-26	415	3030	1490	116	-81	-307	-107	41	-114	-108
12	-100	410	128	3320	1350	150	-227	-374	-130	-4.3	-113	3760
13	446	865	107	5090	824	88	-17	-310	-162	-13	-95	5190
14	891	520	115	6190	177	160	41	-311	-234	-125	-23	6080
15	214	358	59	6460	159	-59	39	-141	-185	178	181	6510
16	-61	69	99	5640	578	30	273	-79	-239	352	100	6530
17	-97	67	111	4890	1370	1360	11	-230	-324	374	36	6300
18	-128	121	96	3930	1380	1660	32	-369	-182	272	-3.6	5530
19	-56	452	78	3310	980	1470	525	-399	-161	253	33	5400
20	19	318	105	1980	799	1240	199	-286	-79	162	-36	4770
21	11	307	1540	---	147	607	103	-245	-63	272	-127	4190
22	-120	762	2400	---	1090	216	24	-204	-121	251	112	3100
23	-316	582	2250	---	1640	244	-150	-183	-163	284	243	2410
24	90	235	2640	---	1380	226	-90	-170	-159	221	154	1900
25	45	66	2830	---	667	236	-111	-178	-200	199	143	1400
26	400	240	2640	---	860	141	-218	-340	-138	122	121	1130
27	---	27	2850	---	1400	-68	-39	-453	554	117	101	1170
28	---	36	2670	1270	1270	579	253	-573	1080	61	47	1270
29	27	575	2470	1150	---	203	415	-596	867	21	-100	539
30	36	448	1720	1030	---	-446	124	-528	764	-45	14	286
31	219	---	1180	492	---	588	---	-514	---	-46	-204	---
TOTAL	---	6357.3	29680	---	21850	14596	2634.1	-7270	-1797	4902.25	---	64652
MEAN	---	212	957	---	780	471	87.8	-235	-59.9	158	---	2155

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.21	8.23	8.45	8.92	9.97	9.28	9.13	8.63	8.03	8.05	8.26	8.58
2	8.23	8.08	8.58	8.95	9.75	9.13	9.07	8.65	8.00	8.11	8.23	8.47
3	8.23	8.03	8.61	8.90	9.49	9.02	8.99	8.68	7.94	8.11	8.32	8.47
4	8.26	8.19	8.40	8.92	9.46	9.13	8.75	8.78	7.87	8.23	---	8.50
5	8.27	8.27	8.31	9.15	9.47	9.09	8.74	8.74	7.96	8.39	---	8.52
6	8.25	8.03	8.27	9.47	9.29	9.00	8.82	8.71	7.98	8.55	---	8.50
7	8.30	7.98	8.40	9.94	9.13	9.29	8.83	8.77	7.91	8.58	---	8.57
8	8.44	8.10	8.52	10.26	9.07	9.17	8.87	8.82	7.69	8.57	8.19	8.59
9	8.39	8.14	8.48	10.39	9.09	8.88	9.12	8.75	7.64	8.53	8.20	8.54
10	8.39	8.10	8.31	10.43	9.21	8.76	9.25	8.98	7.69	8.46	8.18	8.75
11	8.49	8.08	8.00	10.37	9.10	8.82	9.16	8.98	7.64	8.42	8.17	9.63
12	8.53	8.32	8.03	10.45	9.05	8.77	8.96	8.92	7.71	8.39	8.15	10.56
13	8.39	8.41	8.11	10.74	8.96	8.79	8.96	8.89	7.81	8.35	8.13	11.30
14	8.17	8.39	8.16	11.01	8.95	8.79	8.97	8.85	7.76	8.48	8.26	11.67
15	8.18	8.27	8.26	11.03	8.97	8.90	8.92	8.89	7.78	8.59	8.41	11.88
16	8.17	8.25	8.31	10.94	9.08	9.14	8.98	9.02	7.83	8.59	8.52	11.91
17	8.22	8.37	8.28	10.81	9.26	9.34	9.25	9.03	7.71	8.55	8.53	11.82
18	8.26	8.43	8.28	10.69	9.29	9.47	9.18	9.00	7.74	8.53	8.54	11.69
19	8.34	8.47	8.35	10.46	9.29	9.44	9.12	8.92	8.16	8.51	8.57	11.56
20	8.31	8.51	8.44	10.43	9.12	9.16	9.03	8.81	7.92	8.50	8.61	11.39
21	8.29	8.61	8.74	10.41	9.16	9.02	9.14	8.71	8.05	8.51	8.68	11.21
22	8.21	8.62	8.86	10.47	9.28	9.04	9.27	8.60	8.18	8.54	8.78	11.01
23	8.43	8.62	8.97	10.42	9.36	9.05	9.30	8.50	8.30	8.52	8.77	10.80
24	8.44	8.67	9.13	10.43	9.40	9.09	9.24	8.41	8.42	8.52	8.79	10.64
25	8.45	8.71	9.17	10.44	9.47	9.14	9.09	8.32	8.46	8.51	8.77	10.52
26	8.26	8.67	9.12	---	9.50	9.21	9.02	8.30	8.43	8.49	8.73	10.40
27	8.11	8.68	9.11	10.18	9.49	9.42	9.01	8.28	8.18	8.47	8.67	10.18
28	8.28	8.79	9.24	10.20	9.43	9.31	8.78	8.24	7.99	8.43	8.60	9.92
29	8.31	8.67	9.05	10.11	---	9.35	8.65	8.16	7.92	8.42	8.56	9.78
30	8.37	8.46	8.98	9.99	---	9.55	8.65	8.12	7.95	8.37	8.55	9.73
31	8.33	---	8.87	9.95	---	9.41	---	8.08	---	8.32	8.55	---
MAX	8.53	8.79	9.24	---	9.97	9.55	9.30	9.03	8.46	8.59	---	11.91
MIN	8.11	7.98	8.00	---	8.95	8.76	8.65	8.08	7.64	8.05	---	8.47

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE 1/4 SE 1/4 sec.4, T.1 S., R.3 W., Louisiana Meridian, Rapides Parish, Hydrologic Unit 08080203, on right bank on downstream side of bridge on State Highway 113, 1.0 mi upstream from Prairie Branch, and 4.6 mi northwest of Glenmora.

DRAINAGE AREA.--499 mi².

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

REVISED RECORDS.--WSP 1118: 1944-47.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft above sea level. Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated discharge which is fair. Satellite telemetry at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 27	0030	8,040	15.11	Mar. 22	0230	4,660	14.17
Jan. 10	1100	*16,700	*16.75	Sep. 17	2400	5,390	14.41

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	190	112	3020	897	2580	189	217	35	28	21	25
2	51	112	221	2180	546	2890	180	289	34	27	21	25
3	43	84	386	1180	403	2790	181	288	34	27	21	24
4	38	72	542	613	345	2680	176	271	33	27	20	23
5	35	65	603	554	334	2640	164	225	33	26	20	22
6	33	60	663	672	326	2340	156	145	37	26	21	21
7	32	55	742	3110	304	1620	146	105	35	25	29	22
8	e31	52	791	3940	273	1910	136	88	34	24	50	23
9	e30	50	783	8450	239	1830	127	78	33	24	59	22
10	e29	50	716	15800	233	1900	119	72	34	24	65	22
11	e28	49	667	11200	543	2330	111	67	34	23	53	33
12	e27	52	603	7190	763	2450	104	62	33	23	39	314
13	e27	58	499	5240	940	2210	99	59	31	23	32	2980
14	e31	73	391	4210	1110	2050	95	56	30	31	30	4560
15	e35	143	301	3580	1230	1640	91	54	30	30	30	4980
16	33	218	221	3060	1480	994	89	52	29	27	31	4390
17	33	237	165	2610	1790	1040	86	50	29	25	47	4910
18	53	213	136	2340	1810	1230	93	49	28	25	50	5210
19	63	180	119	2160	1760	1560	146	48	28	29	42	4570
20	57	153	109	1950	1810	2060	286	46	27	30	35	3800
21	53	156	142	1690	1860	3610	470	45	27	28	33	3160
22	47	204	314	2210	2030	4480	576	44	26	26	34	2650
23	42	232	689	2090	2340	3720	537	43	26	25	33	2190
24	46	219	1600	1920	2120	2890	358	42	25	25	35	1430
25	69	187	2320	2050	1840	1910	211	41	25	25	36	575
26	160	147	5930	2400	1830	915	137	40	25	25	32	212
27	311	117	7700	3230	2070	459	108	40	25	24	30	136
28	381	104	6590	3590	2200	314	179	39	28	23	29	109
29	441	149	5740	3250	---	260	295	38	31	23	28	94
30	428	118	4680	2590	---	227	202	37	30	22	27	82
31	310	---	3760	1690	---	206	---	36	---	22	25	---
TOTAL	3061	3799	48235	109769	33426	59735	5847	2766	909	792	1058	46614
MEAN	98.7	127	1556	3541	1194	1927	195	89.2	30.3	25.5	34.1	1554
MAX	441	237	7700	15800	2340	4480	576	289	37	31	65	5210
MIN	27	49	109	554	233	206	86	36	25	22	20	21
AC-FT	6070	7540	95670	217700	66300	118500	11600	5490	1800	1570	2100	92460
CFSM	.20	.25	3.12	7.10	2.39	3.86	.39	.18	.06	.05	.07	3.11
IN.	.23	.28	3.60	8.18	2.49	4.45	.44	.21	.07	.06	.08	3.48

e Estimated

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

MEAN	224	485	1090	1575	1619	1357	1121	1004	393	258	152	194
MAX	2460	3956	6770	4612	4901	4293	3938	10500	3865	4535	1978	1595
(WY)	1986	1958	1983	1947	1966	1995	1995	1953	1989	1989	1955	1958
MIN	16.5	25.2	29.4	58.3	149	103	91.9	45.3	30.3	24.8	20.0	17.0
(WY)	1957	1955	1955	1981	1954	1954	1981	1963	1998	1954	1956	1954
SUMMARY STATISTICS			FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1944 - 1998			
ANNUAL TOTAL			336013			316011						
ANNUAL MEAN			921			866			786			
HIGHEST ANNUAL MEAN									1659			
LOWEST ANNUAL MEAN									227			
HIGHEST DAILY MEAN			11900			Feb 28			15800		Jan 10	
LOWEST DAILY MEAN			27			Oct 12			20		Aug 4, 5	
ANNUAL SEVEN-DAY MINIMUM			29			Oct 8			21		Jul 31	
INSTANTANEOUS PEAK FLOW									16700		Jan 10	
INSTANTANEOUS PEAK STAGE									16.75		Jan 10	
INSTANTANEOUS LOW FLOW									20		Aug 4-6	
INSTANTANEOUS LOW STAGE									4.63		Aug 4-6	
ANNUAL RUNOFF (AC-FT)			666500			626800			569100			
ANNUAL RUNOFF (CFSM)			1.84			1.74			1.57			
ANNUAL RUNOFF (INCHES)			25.05			23.56			21.39			
10 PERCENT EXCEEDS			2150			2660			2100			
50 PERCENT EXCEEDS			222			118			172			
90 PERCENT EXCEEDS			44			25			32			

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.73	7.50	6.50	13.44	11.23	13.19	7.46	7.99	5.11	4.87	4.67	4.79
2	5.46	6.51	7.80	12.90	10.10	13.37	7.35	8.64	5.09	4.85	4.66	4.77
3	5.29	6.03	9.11	11.77	9.41	13.32	7.35	8.63	5.07	4.83	4.65	4.75
4	5.17	5.80	10.03	10.37	9.06	13.25	7.29	8.49	5.05	4.83	4.64	4.72
5	5.09	5.66	10.33	10.15	8.99	13.23	7.13	8.07	5.05	4.81	4.63	4.69
6	5.03	5.53	10.56	10.34	8.93	13.03	7.02	7.14	5.15	4.80	4.65	4.68
7	5.01	5.44	10.83	13.46	8.76	12.39	6.89	6.54	5.10	4.78	4.88	4.69
8	---	5.37	10.99	13.89	8.51	12.68	6.75	6.25	5.08	4.76	5.43	4.71
9	---	5.33	10.96	15.14	8.21	12.61	6.61	6.07	5.05	4.75	5.65	4.70
10	---	5.33	10.74	16.60	8.14	12.67	6.48	5.95	5.09	4.74	5.80	4.69
11	---	5.32	10.58	15.75	10.05	13.03	6.36	5.84	5.08	4.74	5.52	5.00
12	---	5.38	10.34	14.90	10.89	13.11	6.26	5.75	5.04	4.72	5.17	7.91
13	---	5.50	9.91	14.36	11.37	12.94	6.17	5.67	5.01	4.72	4.98	13.29
14	---	5.82	9.34	14.00	11.71	12.81	6.09	5.61	4.98	4.96	4.91	14.13
15	---	6.92	8.73	13.73	11.93	12.41	6.04	5.57	4.96	4.91	4.93	14.28
16	4.92	7.81	8.03	13.47	12.25	11.48	5.99	5.53	4.94	4.83	4.96	14.07
17	4.94	8.00	7.41	13.21	12.57	11.58	5.95	5.49	4.92	4.79	5.37	14.25
18	5.39	7.75	7.02	13.04	12.59	11.93	6.06	5.45	4.90	4.77	5.44	14.35
19	5.62	7.40	6.78	12.91	12.54	12.34	6.87	5.42	4.88	4.88	5.24	14.13
20	5.48	7.09	6.61	12.72	12.59	12.81	8.43	5.39	4.87	4.94	5.06	13.83
21	5.40	7.12	7.08	12.47	12.64	13.71	9.73	5.36	4.85	4.87	5.00	13.52
22	5.26	7.66	8.76	12.94	12.79	14.10	10.24	5.33	4.84	4.82	5.04	13.24
23	5.15	7.95	10.60	12.85	13.04	13.79	10.08	5.30	4.83	4.79	5.01	12.92
24	5.24	7.82	12.35	12.69	12.87	13.37	9.12	5.28	4.81	4.78	5.05	12.14
25	5.73	7.47	13.02	12.81	12.62	12.66	7.91	5.25	4.80	4.78	5.08	10.12
26	7.10	7.00	14.48	13.07	12.60	11.24	7.04	5.24	4.80	4.77	4.98	7.91
27	8.60	6.58	15.03	13.55	12.83	9.64	6.60	5.22	4.80	4.76	4.92	7.02
28	9.10	6.37	14.75	13.73	12.93	8.70	7.47	5.20	4.86	4.73	4.89	6.62
29	9.47	7.03	14.51	13.57	---	8.22	6.68	5.18	4.96	4.71	4.86	6.35
30	9.39	6.60	14.17	13.19	---	7.89	7.84	5.16	4.94	4.70	4.83	6.15
31	8.59	---	13.81	12.45	---	7.66	---	5.14	---	4.68	4.79	---
MAX	---	8.00	15.03	16.60	13.04	14.10	10.24	8.64	5.15	4.96	5.80	14.35
MIN	---	5.32	6.50	10.15	8.14	7.66	5.95	5.14	4.80	4.68	4.63	4.68

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW1/4 NE 1/4 sec. 7, T. 5 S., R. 4 W., Allen Parish, Hydrologic Unit 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi northwest of Oberlin, and 15 mi upstream from Whisky Chitto Creek..

DRAINAGE AREA.--753 mi².

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

REVISED RECORDS.--WSP 1512: 1923, 1939(M).

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft above sea level. Prior to February 1925 at datum about 2.5 ft higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and datum.

REMARKS.--Records fair. Prior to November 1981 paper mill at Elizabeth pumped about 11 ft³/s of water from wells which was later discharged into Mill Creek 20 mi upstream from station. Some small diversions from April to September for rice irrigation upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 13	2330	23,400	19.99	No other peak greater than base discharge.			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	292	705	4470	2590	2260	373	281	e55	27	32	72
2	91	293	436	3810	2180	2000	330	259	e60	28	32	62
3	87	244	286	3080	1620	1830	310	232	e55	28	31	57
4	81	193	350	2550	1100	1880	284	249	85	27	30	56
5	75	157	415	2860	793	2000	264	264	44	25	27	55
6	71	136	443	2720	633	2030	248	261	46	24	29	55
7	68	122	467	4730	552	2260	235	242	46	24	35	55
8	66	114	578	6290	507	2980	220	198	45	23	39	58
9	65	108	694	6990	475	2780	206	160	43	22	45	60
10	63	105	680	6430	456	2250	193	136	42	21	43	56
11	61	101	659	5390	744	2040	180	121	40	21	48	181
12	60	101	621	11700	1160	1730	170	110	38	20	54	1490
13	63	101	579	20900	1190	1560	159	102	37	19	70	3360
14	64	102	538	19800	1090	1660	154	97	37	24	94	4900
15	64	103	496	10700	972	1740	145	92	35	39	90	5300
16	61	105	444	7420	1190	1850	139	88	34	82	79	5090
17	59	126	388	5590	1730	3350	134	84	33	79	77	4630
18	58	174	326	4020	1950	3750	134	80	32	61	84	4470
19	58	211	274	3110	1890	3090	152	77	31	52	76	4050
20	58	226	241	2540	1860	2130	162	74	30	47	79	3770
21	68	223	380	2170	1840	1520	162	71	29	46	79	3720
22	72	211	792	3560	1970	1390	201	68	28	47	75	3450
23	71	190	841	4210	2740	1600	285	65	27	46	70	2960
24	72	195	1830	4220	2910	2250	378	63	27	52	67	2460
25	79	210	2470	4040	2670	2940	432	61	26	52	66	2050
26	84	215	2430	3150	2550	2930	391	58	26	46	64	1700
27	83	206	2170	2370	2870	2390	294	56	26	42	64	1270
28	96	205	2110	2020	2700	1670	247	54	27	40	63	778
29	156	749	2890	2050	---	1010	251	53	26	38	61	459
30	209	889	4500	2380	---	627	227	51	26	35	60	331
31	254	---	4990	2670	---	458	---	50	---	33	64	---
TOTAL	2601	6407	35023	167940	44932	63955	7060	3857	1136	1170	1827	57005
MEAN	83.9	214	1130	5417	1605	2063	235	124	37.9	37.7	58.9	1900
MAX	254	889	4990	20900	2910	3750	432	281	85	82	94	5300
MIN	58	101	241	2020	456	458	134	50	26	19	27	55
AC-FT	5160	12710	69470	333100	89120	126900	14000	7650	2250	2320	3620	113100
CFSM	.11	.28	1.50	7.19	2.13	2.74	.31	.17	.05	.05	.08	2.52
IN.	.13	.32	1.73	8.30	2.22	3.16	.35	.19	.06	.06	.09	2.82

e Estimated

CALCASIEU RIVER BASIN
08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1998, BY WATER YEAR (WY)

MEAN	334	687	1534	2099	2240	1934	1648	1580	659	516	339	326
MAX	4004	6825	10130	6112	6889	5213	7835	17090	4325	9050	4792	3251
(WY)	1985	1958	1983	1947	1966	1973	1923	1953	1950	1989	1940	1979
MIN	33.1	46.6	55.8	98.5	270	235	147	80.5	37.9	37.7	46.6	40.6
(WY)	1957	1925	1955	1981	1954	1986	1981	1963	1998	1998	1954	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1923 - 1998		
ANNUAL TOTAL	387889			392913					
ANNUAL MEAN	1063			1076			1158		
HIGHEST ANNUAL MEAN							2409		
LOWEST ANNUAL MEAN							337		
HIGHEST DAILY MEAN	10800			20900			67600		
LOWEST DAILY MEAN	58			19			19		
ANNUAL SEVEN-DAY MINIMUM	60			21			21		
INSTANTANEOUS PEAK FLOW				23400			72800		
INSTANTANEOUS PEAK STAGE				19.99			26.53		
INSTANTANEOUS LOW FLOW				18			18		
INSTANTANEOUS LOW STAGE				1.73			1.73		
ANNUAL RUNOFF (AC-FT)	769400			779300			839100		
ANNUAL RUNOFF (CFSM)	1.41			1.43			1.54		
ANNUAL RUNOFF (INCHES)	19.16			19.41			20.90		
10 PERCENT EXCEEDS	2400			3020			3000		
50 PERCENT EXCEEDS	380			193			330		
90 PERCENT EXCEEDS	82			35			60		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.27	3.63	5.52	14.08	10.96	10.27	4.25	3.89	---	1.95	1.80	1.95
2	2.35	3.57	4.31	13.11	10.09	9.66	4.05	3.77	---	1.96	1.80	1.83
3	2.31	3.28	3.53	11.90	8.64	9.22	3.95	3.62	---	1.96	1.79	1.77
4	2.23	2.96	3.88	10.88	7.00	9.34	3.82	3.72	2.17	1.95	1.77	1.75
5	2.17	2.72	4.22	11.50	5.88	9.66	3.72	3.80	2.18	1.93	1.74	1.75
6	2.12	2.57	4.36	11.20	5.22	9.72	3.65	3.78	2.19	1.92	1.76	1.75
7	2.09	2.47	4.47	14.30	4.87	10.23	3.58	3.68	2.20	1.91	1.84	1.74
8	2.06	2.40	4.98	15.78	4.66	11.72	3.50	3.43	2.19	1.90	1.88	1.79
9	2.04	2.35	5.48	16.22	4.51	11.33	3.41	3.20	2.16	1.89	1.95	1.81
10	2.03	2.32	5.42	15.86	4.43	10.26	3.33	3.04	2.14	1.87	1.93	1.76
11	2.00	2.29	5.33	15.04	5.66	9.74	3.24	2.94	2.12	1.87	1.99	2.65
12	1.99	2.29	5.17	17.72	7.24	8.95	3.18	2.86	2.09	1.86	2.06	8.19
13	2.02	2.29	4.99	19.57	7.32	8.48	3.10	2.79	2.09	1.85	2.16	12.32
14	2.04	2.30	4.80	19.39	7.00	8.76	3.06	2.74	2.08	1.92	2.21	14.56
15	2.03	2.31	4.61	17.66	6.56	8.98	3.00	2.69	2.06	2.10	2.16	14.97
16	1.99	2.33	4.36	16.45	7.31	9.24	2.95	2.65	2.05	2.51	2.03	14.76
17	1.97	2.49	4.08	15.20	8.95	12.36	2.91	2.61	2.03	2.34	2.01	14.26
18	1.97	2.84	3.76	13.42	9.51	13.03	2.91	2.57	2.02	2.14	2.09	14.09
19	1.96	3.08	3.46	11.95	9.36	11.91	3.05	2.53	2.01	2.04	2.00	13.49
20	1.97	3.18	3.27	10.85	9.29	9.93	3.12	2.50	2.00	1.98	2.04	13.06
21	2.09	3.16	3.99	10.07	9.25	8.36	3.12	2.46	1.98	1.97	2.03	12.98
22	2.13	3.08	5.87	12.67	9.55	7.99	3.38	2.43	1.97	1.98	1.99	12.54
23	2.12	2.95	6.06	13.74	11.25	8.60	3.85	2.40	1.96	1.96	1.93	11.68
24	2.13	2.98	9.17	13.74	11.59	10.22	4.32	2.38	1.95	2.04	1.89	10.69
25	2.22	3.08	10.72	13.48	11.13	11.64	4.58	2.35	1.94	2.03	1.88	9.77
26	2.27	3.11	10.64	12.02	10.88	11.62	4.42	2.33	1.94	1.97	1.86	8.87
27	2.26	3.05	10.08	10.50	11.52	10.54	3.95	2.31	1.94	1.92	1.85	7.58
28	2.39	3.04	9.94	9.71	11.17	8.78	3.71	2.29	1.95	1.90	1.84	5.74
29	2.85	5.67	11.52	9.78	---	6.73	3.73	2.27	1.94	1.87	1.82	4.32
30	3.19	6.25	14.07	10.52	---	5.34	3.60	2.25	1.94	1.84	1.81	3.66
31	3.45	---	14.65	11.13	---	4.64	---	2.24	---	1.82	1.86	---
MAX	3.45	6.25	14.65	19.57	11.59	13.03	4.58	3.89	---	2.51	2.21	14.97
MIN	1.96	2.29	3.27	9.71	4.43	4.64	2.91	2.24	---	1.82	1.74	1.74

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE 1/4 NE 1/4 sec. 20, T. 4 S., R. 5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi downstream from Tenmile Creek, 8.0 mi upstream from Bundick Creek, and 10 mi northwest of Oberlin.

DRAINAGE AREA.--510 mi².

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORDS.--WDR LA-84-1: 1983(M).

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft above sea level. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records fair. Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 27	1930	4,120	13.49	Jan. 23	0900	3,980	13.29
Jan. 9	2200	*9,300	*18.68	Sep. 14	2132	9,190	18.61

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	224	395	563	583	2050	424	450	180	155	121	126
2	183	220	364	499	538	1330	426	392	178	154	119	124
3	180	220	309	455	505	820	435	324	176	160	118	122
4	178	217	298	432	495	640	476	282	175	163	116	126
5	176	215	535	455	496	565	e425	262	175	153	115	127
6	175	211	601	606	455	522	e380	252	183	147	117	123
7	175	209	402	2920	422	615	e340	243	179	151	122	122
8	176	210	347	4800	398	1940	334	238	178	147	156	121
9	176	213	344	7900	381	2240	326	235	193	142	269	120
10	178	215	537	e7600	386	2270	318	232	189	138	277	121
11	181	213	479	e7100	920	2300	309	227	178	136	210	189
12	183	219	372	e6600	1700	1260	299	221	172	135	165	1660
13	186	245	323	e6200	1730	743	291	217	169	133	146	4110
14	186	281	294	e5700	1180	640	286	214	166	141	136	7780
15	184	390	278	e5400	674	586	284	212	163	146	142	8850
16	237	327	268	4950	795	617	284	210	161	171	245	7750
17	227	277	261	3580	1570	1820	285	208	159	199	211	5900
18	201	256	255	2380	1870	2390	288	207	157	168	166	3820
19	189	249	250	1440	1650	2490	297	204	155	152	150	2170
20	184	247	248	1090	1080	2560	490	201	153	147	141	1270
21	181	345	317	944	924	1920	765	199	151	140	144	800
22	179	332	836	2460	1030	982	508	197	149	137	144	653
23	178	280	1350	3930	2000	745	367	195	148	134	147	558
24	184	257	2170	3580	1960	654	321	192	146	131	212	493
25	199	244	2580	3240	1530	591	295	191	146	130	182	449
26	352	235	2930	2620	1130	548	278	190	145	129	151	409
27	394	229	3900	1390	2100	531	266	189	147	127	138	375
28	297	228	3590	964	2160	510	262	188	149	126	132	349
29	258	265	1490	813	---	464	393	186	147	125	128	328
30	238	318	813	710	---	446	508	184	150	123	128	309
31	229	---	659	638	---	430	---	182	---	122	131	---
TOTAL	6430	7591	27795	91959	30662	36219	10960	7124	4917	4462	4879	49454
MEAN	207	253	897	2966	1095	1168	365	230	164	144	157	1648
MAX	394	390	3900	7900	2160	2560	765	450	193	199	277	8850
MIN	175	209	248	432	381	430	262	182	145	122	115	120
AC-FT	12750	15060	55130	182400	60820	71840	21740	14130	9750	8850	9680	98090
CFSM	.41	.50	1.76	5.82	2.15	2.29	.72	.45	.32	.28	.31	3.23
IN.	.47	.55	2.03	6.71	2.24	2.64	.80	.52	.36	.33	.36	3.61

e Estimated

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1998, BY WATER YEAR (WY)

MEAN	400	653	1092	1269	1329	1214	1064	1107	653	492	410	383
MAX	2877	4075	6076	3781	3326	3354	3630	12090	4192	4063	4264	2314
(WY)	1985	1958	1983	1974	1984	1995	1949	1953	1989	1989	1940	1958
MIN	99.1	135	144	224	290	261	228	189	155	126	124	115
(WY)	1957	1955	1955	1981	1954	1954	1963	1963	1970	1970	1970	1954

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1940 - 1998

ANNUAL TOTAL	298237	282452	
ANNUAL MEAN	817	774	837
HIGHEST ANNUAL MEAN			1643
LOWEST ANNUAL MEAN			286
HIGHEST DAILY MEAN	10800	Feb 28	8850
LOWEST DAILY MEAN	169	Sep 21	115
ANNUAL SEVEN-DAY MINIMUM	171	Sep 16	118
INSTANTANEOUS PEAK FLOW			9300
INSTANTANEOUS PEAK STAGE			18.68
INSTANTANEOUS LOW FLOW			115
INSTANTANEOUS LOW STAGE			2.47
ANNUAL RUNOFF (AC-FT)	591600	560200	606200
ANNUAL RUNOFF (CFMS)	1.60	1.52	1.64
ANNUAL RUNOFF (INCHES)	21.75	20.60	22.29
10 PERCENT EXCEEDS	1870	2120	1860
50 PERCENT EXCEEDS	360	265	375
90 PERCENT EXCEEDS	186	138	167

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.87	2.91	3.79	4.73	5.28	9.27	4.14	4.20	2.87	2.75	2.53	2.59
2	2.84	2.89	3.65	4.48	5.12	7.33	4.14	3.97	2.85	2.75	2.51	2.57
3	2.82	2.88	3.39	4.30	5.00	5.80	4.17	3.68	2.84	2.80	2.49	2.55
4	2.80	2.86	3.33	4.20	4.96	5.20	4.14	3.48	2.83	2.82	2.48	2.59
5	2.79	2.85	4.36	4.30	4.97	4.94	---	3.38	2.83	2.75	2.47	2.59
6	2.78	2.82	4.62	4.88	4.79	4.77	---	3.33	2.89	2.71	2.49	2.55
7	2.78	2.81	3.82	11.21	4.64	5.08	---	3.29	2.87	2.73	2.55	2.55
8	2.79	2.81	3.57	14.37	4.53	8.92	3.69	3.26	2.86	2.71	2.82	2.53
9	2.79	2.84	3.55	17.53	4.44	9.71	3.65	3.24	2.97	2.67	3.55	2.53
10	2.80	2.85	4.38	---	4.46	9.79	3.61	3.22	2.95	2.64	3.59	2.54
11	2.82	2.84	4.15	---	6.26	9.87	3.57	3.19	2.87	2.62	3.22	3.01
12	2.84	2.88	3.69	---	8.52	7.01	3.52	3.15	2.83	2.60	2.92	7.94
13	2.87	3.05	3.46	---	8.58	5.45	3.48	3.12	2.81	2.59	2.77	13.46
14	2.86	3.24	3.31	---	7.04	5.10	3.45	3.11	2.79	2.67	2.68	17.40
15	2.85	3.77	3.23	---	5.48	4.91	3.44	3.09	2.77	2.72	2.73	18.38
16	3.20	3.48	3.18	14.56	5.86	5.00	3.44	3.07	2.75	2.91	3.42	17.49
17	3.15	3.22	3.14	12.64	8.10	8.57	3.45	3.06	2.74	3.11	3.23	15.62
18	2.97	3.11	3.11	10.20	8.91	10.12	3.46	3.05	2.73	2.89	2.92	12.98
19	2.89	3.07	3.08	7.73	8.31	10.38	3.51	3.04	2.71	2.78	2.80	9.52
20	2.85	3.06	3.07	6.72	6.71	10.56	4.29	3.02	2.70	2.74	2.73	6.91
21	2.83	3.56	3.42	6.26	6.23	8.83	5.31	3.00	2.69	2.69	2.76	5.44
22	2.81	3.50	5.46	10.16	6.52	6.13	4.42	2.99	2.67	2.65	2.76	4.96
23	2.80	3.24	7.16	13.21	9.18	5.37	3.87	2.97	2.67	2.63	2.78	4.63
24	2.85	3.12	9.53	12.69	9.08	5.06	3.66	2.95	2.66	2.61	3.23	4.39
25	2.96	3.05	10.60	12.08	7.92	4.84	3.54	2.94	2.66	2.60	3.03	4.23
26	3.73	2.99	11.42	10.79	6.79	4.67	3.46	2.93	2.66	2.59	2.81	4.07
27	3.78	2.95	13.17	7.73	9.40	4.60	3.41	2.93	2.68	2.58	2.70	3.93
28	3.33	2.94	12.64	6.50	9.54	4.51	3.39	2.92	2.70	2.57	2.64	3.81
29	3.12	3.16	7.68	6.04	---	4.33	3.96	2.91	2.69	2.56	2.61	3.71
30	3.01	3.43	5.62	5.70	---	4.25	4.42	2.90	2.72	2.55	2.60	3.62
31	2.95	---	5.09	5.47	---	4.18	---	2.88	---	2.54	2.63	---
MEAN	2.95	3.07	5.28	---	6.66	6.60	---	3.17	2.78	2.69	2.82	6.37

CALCASIEU RIVER BASIN
08015500 CALCASIEU RIVER NEAR KINDER, LA

LOCATION.--Lat 30°30'10", long 92°54'55", in NW 1/4 SE 1/4 sec. 30, T. 6 S., R. 5 W., Allen Parish, Hydrologic Unit 08080203, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi downstream from Whisky Chitto Creek, and 4.0 mi west of Kinder.

DRAINAGE AREA.--1,700 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1957 to September 1961 (annual maximums) from National Weather Service, October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft above sea level. August 1922 to January 1925, water-stage recorder 400 ft downstream at datum 1.77 ft higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated discharge. Records good. Prior to November, 1981, paper mill at Elizabeth pumped about 11 ft³/s from wells which was later discharged into Mill Creek 36 mi above station. Water is diverted during period April to September at points just above station and 5.0 mi above station for the irrigation of about 7,500 acres of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s and this diversion results in marked regulation of the low-water flow. Boyer method to determine discharge used Dec. 24, 29-30, Jan. 6-8, 13, 16, 19-23, 27-29, Feb. 3, 12, 17, 23, Mar. 2-3, 7-8, 13, 16-17, 21-22, and Sept. 12-13, 20-21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	427	663	2050	5580	4020	6290	1240	1210	367	325	234	279
2	425	669	1530	5410	3960	5260	1120	1190	355	328	231	302
3	421	633	1280	4990	3530	4190	1100	1070	346	322	251	281
4	394	545	1350	4500	2700	3680	1070	958	336	331	238	264
5	370	468	1300	4840	1980	3380	973	924	333	335	232	261
6	362	408	1520	5370	1610	3340	902	895	351	313	223	244
7	362	376	1430	8890	1410	4150	827	856	375	302	237	233
8	350	357	1530	13200	1290	5880	781	806	371	290	272	254
9	347	337	1850	15400	1220	6590	756	737	367	275	462	239
10	339	337	1770	20300	1190	6470	731	673	386	261	617	251
11	336	329	1770	21700	1900	6010	692	633	364	253	593	990
12	337	363	1560	18100	3580	5670	650	598	347	245	492	5390
13	383	407	1360	24700	4060	4040	613	555	334	239	422	9960
14	452	448	1210	41000	4140	3450	589	536	317	274	476	14000
15	403	529	1110	41900	3550	3200	574	521	311	287	406	17600
16	408	621	1010	28100	3270	3650	561	526	302	331	423	20800
17	504	557	913	20200	4570	6550	556	512	292	434	669	18700
18	472	544	820	14500	5090	7980	606	508	281	427	517	15000
19	416	681	739	9590	5210	8520	701	482	273	356	498	12000
20	378	672	662	6270	4850	8170	689	462	274	317	447	8630
21	357	767	1360	5140	4250	7420	1060	453	270	294	413	6170
22	360	909	2830	7880	4180	5660	1330	443	261	300	428	5530
23	359	775	3300	11900	5520	3950	1230	439	247	337	403	5060
24	382	660	5760	12600	6200	3540	1170	433	250	301	419	4530
25	387	617	7220	11100	6200	3560	1170	415	241	291	484	3940
26	817	604	8200	10000	5780	3890	1150	415	266	279	428	3360
27	879	580	8760	8520	6120	3990	1060	405	335	269	371	2860
28	734	699	9320	5550	6700	3610	1370	391	346	264	333	2250
29	623	2480	9030	4260	---	2790	1170	391	330	257	307	1640
30	618	2620	6360	3920	---	1930	1220	387	323	250	297	1310
31	639	---	5660	3910	---	1470	---	376	---	241	321	---
TOTAL	14041	20655	94564	399320	108080	148280	27661	19200	9551	9328	12144	162328
MEAN	453	689	3050	12880	3860	4783	922	619	318	301	392	5411
MAX	879	2620	9320	41900	6700	8520	1370	1210	386	434	669	20800
MIN	336	329	662	3910	1190	1470	556	376	241	239	223	233
AC-FT	27850	40970	187600	792100	214400	294100	54870	38080	18940	18500	24090	322000

CALCASIEU RIVER BASIN
08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1998, BY WATER YEAR (WY)

MEAN	1000	1611	3637	4467	4625	4167	3660	3630	1910	1454	1043	919
MAX	9258	9475	20030	12880	11770	11880	14730	36390	9601	20130	12370	7285
(WY)	1985	1986	1983	1998	1950	1995	1923	1953	1950	1989	1940	1979
MIN	235	298	308	300	819	720	472	378	289	265	214	241
(WY)	1957	1955	1955	1981	1954	1954	1981	1963	1948	1956	1956	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1923 - 1998	
ANNUAL TOTAL	960666		1025152			
ANNUAL MEAN	2632		2809		2674	
HIGHEST ANNUAL MEAN					4979	
LOWEST ANNUAL MEAN					788	
HIGHEST DAILY MEAN	30800	Mar 1	41900	Jan 15	166000	May 20 1953
LOWEST DAILY MEAN	234	Sep 22	223	Aug 6	140	Aug 15 1956
ANNUAL SEVEN-DAY MINIMUM	251	Sep 16	235	Aug 1	164	Aug 12 1956
INSTANTANEOUS PEAK FLOW			46400	Jan 14	182000	May 19 1953
INSTANTANEOUS PEAK STAGE			21.36	Jan 14	32.0	May 19 1953
INSTANTANEOUS LOW FLOW			211	Aug 6	136	Aug 15 1956
INSTANTANEOUS LOW STAGE			1.54	Aug 6	1.42	Sep 30 1981
ANNUAL RUNOFF (AC-FT)	1905000		2033000		1937000	
10 PERCENT EXCEEDS	6250		6910		6170	
50 PERCENT EXCEEDS	1210		673		1050	
90 PERCENT EXCEEDS	375		280		333	

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.25	3.19	7.07	12.82	10.88	13.48	5.38	4.82	2.25	2.03	1.63	1.78
2	2.24	3.21	5.83	12.63	10.80	12.77	5.11	4.74	2.21	2.04	1.62	1.87
3	2.23	3.09	5.19	12.17	10.19	11.55	5.04	4.39	2.18	2.01	1.69	1.79
4	2.14	2.81	5.37	11.55	8.92	10.35	4.95	4.07	2.15	2.04	1.64	1.73
5	2.07	2.57	5.25	11.99	7.60	9.87	4.71	3.97	2.14	2.05	1.62	1.72
6	2.04	2.38	5.80	12.25	6.82	9.78	4.52	3.89	2.19	1.98	1.58	1.66
7	2.04	2.28	5.59	14.58	6.31	10.63	4.34	3.78	2.26	1.94	1.63	1.62
8	2.00	2.22	5.83	16.30	5.98	12.65	4.20	3.63	2.25	1.90	1.76	1.70
9	1.99	2.15	6.61	16.99	5.76	13.74	4.13	3.42	2.23	1.85	2.39	1.64
10	1.97	2.15	6.42	17.94	5.67	13.64	4.04	3.22	2.29	1.79	2.90	1.69
11	1.96	2.12	6.41	18.19	7.33	13.23	3.92	3.09	2.22	1.77	2.82	3.91
12	1.96	2.24	5.91	17.53	9.96	12.90	3.78	2.98	2.16	1.73	2.50	11.51
13	2.11	2.38	5.40	18.37	10.94	11.44	3.66	2.84	2.11	1.71	2.26	14.90
14	2.33	2.50	5.01	20.76	11.06	9.99	3.58	2.78	2.06	1.83	2.44	16.67
15	2.17	2.76	4.73	20.86	10.17	9.52	3.53	2.74	2.04	1.87	2.21	17.43
16	2.19	3.05	4.44	19.35	9.71	9.85	3.49	2.75	2.00	2.01	2.27	18.03
17	2.50	2.85	4.14	17.91	11.22	13.02	3.48	2.71	1.96	2.33	3.07	17.65
18	2.40	2.81	3.87	16.76	12.29	14.62	3.63	2.69	1.93	2.31	2.58	16.90
19	2.21	3.24	3.63	15.51	12.41	14.91	3.94	2.61	1.90	2.08	2.51	16.12
20	2.09	3.22	3.39	13.86	12.00	14.72	3.90	2.55	1.90	1.95	2.34	15.11
21	2.02	3.50	5.34	12.33	11.21	14.30	4.82	2.52	1.88	1.87	2.23	13.74
22	2.03	3.93	8.78	13.90	11.11	13.29	5.26	2.49	1.85	1.89	2.28	12.77
23	2.03	3.54	9.70	15.89	12.35	11.31	4.85	2.48	1.79	2.00	2.20	12.25
24	2.10	3.18	12.28	16.31	13.41	10.14	4.70	2.46	1.80	1.89	2.25	11.60
25	2.12	3.04	14.17	15.84	13.41	10.18	4.69	2.40	1.77	1.85	2.47	10.76
26	3.57	3.00	14.74	15.49	13.03	10.68	4.64	2.40	1.85	1.81	2.28	9.82
27	3.84	2.92	15.02	14.88	13.34	10.83	4.38	2.37	2.07	1.77	2.09	8.84
28	3.41	3.27	15.24	13.34	13.84	10.24	5.25	2.32	2.11	1.75	1.97	7.52
29	3.06	8.03	15.12	11.64	---	8.69	4.68	2.32	2.06	1.73	1.88	6.11
30	3.04	8.36	13.95	10.74	---	6.91	4.83	2.31	2.03	1.70	1.85	5.29
31	3.11	---	12.90	10.72	---	5.91	---	2.28	---	1.66	1.93	---
TOTAL	73.22	95.99	243.13	469.40	287.72	355.14	131.43	94.02	61.64	59.14	66.89	264.13
MEAN	2.36	3.20	7.84	15.14	10.28	11.46	4.38	3.03	2.05	1.91	2.16	8.80
MAX	3.84	8.36	15.24	20.86	13.84	14.91	5.38	4.82	2.29	2.33	3.07	18.03
MIN	1.96	2.12	3.39	10.72	5.67	5.91	3.48	2.28	1.77	1.66	1.58	1.62

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA

LOCATION.--Lat 30°01'55", long 93°17'58", T. 12 S., R. 9 W., Calcasieu Parish, Hydrologic Unit 08080206, on a wellhead platform in the north end of Calcasieu Lake, 4.0 miles north, northeast of Hackberry.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1992 to September 1993, October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.49 ft, Sep. 12, 1998; minimum elevation, -1.93 ft, Dec. 29, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.49 ft, Sep. 12; minimum elevation, -1.93 ft, Dec. 29.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	1.51	.53	1.01	.90	-.33	.29	.98	-.10	.35
2	---	---	---	.82	-.22	.40	1.64	.18	.88	1.14	.22	.75
3	---	---	---	.64	-.71	-.08	1.99	.27	1.15	1.34	.56	.93
4	---	---	---	1.02	-.51	.08	.80	-.66	.06	1.65	.94	1.23
5	---	---	---	1.44	.56	1.07	.42	-.58	-.06	1.67	1.10	1.35
6	---	---	---	1.28	-.67	.11	.49	-.44	-.01	2.18	1.04	1.54
7	---	---	---	.27	-.53	-.06	.93	.23	.48	1.76	.82	1.19
8	---	---	---	.73	.08	.43	1.43	.66	1.07	.89	-.28	.23
9	---	---	---	.87	.22	.57	1.32	.46	.95	.75	-.81	-.03
10	---	---	---	1.04	.15	.58	1.32	-.18	.47	1.18	.04	.73
11	---	---	---	.93	.06	.55	-.06	-1.28	-.51	1.34	.19	.86
12	---	---	---	1.39	.60	1.01	.11	-1.16	-.40	1.55	.52	1.15
13	---	---	---	1.48	.58	1.14	.35	-.81	-.08	1.74	.56	1.18
14	---	---	---	1.04	-.06	.62	.24	-1.16	-.38	2.02	1.04	1.63
15	---	---	---	.61	-.80	.04	.44	-.82	-.14	1.82	.53	1.10
16	---	---	---	.48	-.86	-.17	.57	-.63	.07	1.32	.57	.80
17	---	---	---	.91	-.22	.39	.58	-.47	.18	1.16	.33	.74
18	---	---	---	1.21	.06	.75	.50	-.47	.08	1.12	.60	.87
19	---	---	---	1.21	-.08	.59	.73	-.20	.27	.92	-.03	.38
20	---	---	---	1.22	.33	.80	1.37	.23	.61	1.78	.46	1.14
21	---	---	---	1.33	.46	1.01	1.75	.63	1.16	1.97	1.03	1.51
22	1.27	.18	.75	1.10	.12	.51	1.30	.33	.76	2.37	.97	1.48
23	2.42	.96	1.58	.86	.17	.48	1.99	.64	1.20	1.38	.33	.88
24	2.65	.70	1.56	1.20	.64	.95	1.99	.78	1.20	1.30	.20	.80
25	1.83	.98	1.43	1.30	.58	1.01	1.21	.22	.74	1.82	.47	1.17
26	2.00	.14	.84	1.50	.58	.96	1.02	.06	.59	2.01	.92	1.39
27	.67	-.06	.37	1.60	.34	.97	.61	-.51	.13	.97	-.42	.32
28	1.22	.45	.87	1.99	.96	1.53	1.02	.10	.61	1.28	.17	.79
29	1.47	.68	1.13	1.92	.63	1.31	.23	-1.93	-.90	1.51	.40	1.04
30	1.63	.77	1.29	1.28	-.28	.42	.08	-1.44	-.73	1.22	.27	.85
31	1.60	.72	1.28	---	---	---	.08	-1.25	-.40	1.74	.62	1.07
MONTH	---	---	---	1.99	-.86	.63	1.99	-1.93	.30	2.37	-.81	.95

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.14	1.30	1.71	1.13	.50	.81	1.80	.88	1.50	1.89	.87	1.46
2	1.80	.78	1.23	1.12	.25	.67	2.32	.94	1.73	1.69	.75	1.28
3	.95	.23	.59	1.04	-.30	.37	1.97	1.03	1.48	1.78	.92	1.30
4	1.51	-.04	.76	1.77	.28	1.15	1.16	-.18	.63	1.34	.28	.85
5	1.43	.38	.95	1.62	.71	1.24	1.57	.19	.93	1.77	.92	1.34
6	1.16	-.20	.37	1.64	.46	1.18	1.83	.81	1.37	1.90	1.41	1.63
7	.72	-.55	.15	2.53	.86	1.81	1.75	1.13	1.50	1.94	.99	1.58
8	.99	-.37	.39	2.25	-.17	1.06	1.76	1.01	1.38	1.72	.99	1.38
9	1.22	.09	.81	-.12	-1.38	-.62	1.02	-.02	.42	2.17	1.23	1.88
10	1.97	.53	1.26	.33	-.87	-.28	.68	-.13	.24	1.46	.32	1.05
11	1.22	-.11	.50	.86	-.12	.38	1.31	.00	.71	1.65	.24	1.14
12	1.01	-.17	.41	.90	-.11	.39	2.09	.67	1.52	1.87	.83	1.50
13	1.22	.24	.76	1.20	.51	.86	2.23	1.31	1.73	2.05	1.00	1.66
14	1.61	.54	.98	1.20	.54	.91	1.84	.99	1.49	2.24	1.14	1.80
15	2.38	1.36	1.98	1.60	.69	1.25	2.13	.96	1.73	2.21	1.20	1.74
16	2.19	1.39	1.67	2.76	1.07	1.95	2.17	1.25	1.74	1.71	.87	1.36
17	1.98	.69	1.37	1.86	1.40	1.67	1.25	.38	.82	1.51	.45	1.03
18	1.36	.19	.87	2.01	1.11	1.68	1.44	.13	.83	1.28	.18	.83
19	1.50	.43	1.01	2.28	1.07	1.78	1.34	.43	.94	1.49	.49	1.05
20	1.01	-.09	.55	1.07	.14	.46	1.54	.40	1.05	1.63	.80	1.22
21	1.72	.01	.85	.77	-.50	.21	1.29	.35	.85	1.79	1.08	1.41
22	1.92	.68	1.31	1.29	-.02	.67	.68	-.12	.33	1.83	.91	1.45
23	.96	-.34	.38	1.37	.18	.92	.62	-.12	.33	1.90	.70	1.53
24	1.06	.03	.63	1.60	.46	1.09	1.17	.23	.66	1.79	.70	1.41
25	1.61	.63	1.18	1.69	.73	1.23	1.79	.61	1.36	1.93	.73	1.49
26	2.05	.89	1.52	1.69	.85	1.36	1.99	.64	1.52	1.92	.66	1.44
27	1.68	.66	1.28	2.29	1.35	1.92	1.93	1.01	1.55	1.81	.63	1.38
28	1.90	.76	1.33	2.09	1.34	1.67	1.75	.85	1.36	1.88	.59	1.41
29	---	---	---	2.36	1.30	1.92	2.40	.93	1.85	1.85	.72	1.42
30	---	---	---	3.10	1.39	2.51	1.97	.96	1.57	1.70	.70	1.28
31	---	---	---	2.60	1.26	2.03	---	---	---	1.55	.54	1.08
MONTH	2.38	-.55	.96	3.10	-1.38	1.10	2.40	-.18	1.17	2.24	.18	1.37
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.42	.49	.98	1.33	.70	1.01	.96	.16	.66	2.02	1.23	1.71
2	1.65	.90	1.19	1.52	.96	1.23	.93	.10	.64	2.50	1.51	2.10
3	1.77	.95	1.33	2.13	.84	1.43	1.55	.22	1.10	2.40	1.46	2.11
4	2.10	1.39	1.80	1.93	.71	1.44	1.82	.55	1.38	2.53	1.46	2.16
5	1.85	.34	1.46	1.60	.48	1.20	1.63	.06	1.15	2.30	1.42	1.97
6	1.40	.02	.98	1.33	.08	.88	1.50	.06	.95	2.08	1.25	1.73
7	1.46	.00	.97	1.41	.08	.94	1.51	.28	1.00	2.67	1.29	2.01
8	2.41	.72	1.83	1.40	.26	.99	1.56	.19	1.08	2.84	1.92	2.39
9	2.44	1.33	2.04	1.48	.24	1.03	1.55	.47	1.07	2.80	1.76	2.30
10	2.29	1.26	1.85	1.22	.18	.78	1.40	.43	.96	3.66	2.80	3.28
11	2.43	1.23	1.96	1.06	-.09	.67	1.34	.53	.97	4.34	3.49	3.78
12	2.19	1.03	1.73	1.25	-.01	.72	1.26	.62	.95	4.49	3.02	3.78
13	1.64	.79	1.27	1.18	.18	.83	1.14	.16	.78	3.77	2.62	3.34
14	1.92	.70	1.42	1.55	.23	.72	1.34	.01	.75	3.68	2.43	3.16
15	1.68	.70	1.23	1.05	.25	.67	1.36	.28	.85	3.25	2.20	2.79
16	1.53	.63	1.18	.97	.28	.59	1.37	.22	.94	2.88	1.84	2.46
17	1.93	1.04	1.47	.83	-.26	.39	1.31	.18	.93	2.73	1.84	2.37
18	1.96	1.20	1.59	.74	-.11	.44	1.22	.21	.86	2.74	1.99	2.38
19	1.90	.88	1.49	.96	-.14	.58	1.44	.21	1.02	2.82	2.03	2.55
20	1.77	.52	1.33	1.04	-.14	.67	1.66	.39	1.25	2.58	1.77	2.21
21	1.81	.37	1.24	1.04	-.14	.69	2.27	.88	1.67	2.27	1.74	2.01
22	1.49	.29	1.06	1.13	-.07	.79	2.58	1.48	2.12	2.03	1.40	1.74
23	1.53	.25	1.09	1.41	.03	.85	2.13	1.46	1.83	1.73	1.12	1.48
24	1.60	.36	1.12	1.33	.17	.85	1.96	1.27	1.67	1.79	1.25	1.52
25	1.87	.37	1.27	1.21	.19	.84	1.86	1.20	1.52	2.20	1.47	1.75
26	2.35	.98	1.79	1.02	.12	.69	1.75	1.05	1.44	2.21	1.46	1.93
27	2.61	1.44	1.99	1.16	.20	.76	1.48	.74	1.16	2.15	1.15	1.74
28	2.41	1.23	1.84	1.09	.40	.80	1.29	.55	.91	2.03	1.35	1.77
29	1.68	.98	1.34	1.23	.57	.85	1.35	.73	1.10	2.12	.63	1.44
30	1.66	.85	1.18	1.05	.41	.83	1.69	.33	1.23	1.30	.77	1.11
31	---	---	---	1.02	.30	.76	1.76	.98	1.40	---	---	---
MONTH	2.61	.00	1.43	2.13	-.26	.84	2.58	.01	1.14	4.49	.63	2.24

CALCASIEU RIVER BASIN
08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1992 to September 1993, July 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to September 1993, July 1997 to current year.

WATER TEMPERATURE: July 1992 to September 1993, July 1997 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 41,100 microsiemens, Aug. 11, 1998; minimum daily, 189 microsiemens, Jan. 19, 1998.

WATER TEMPERATURE: Maximum daily, 33.3°C, Aug. 2, 1998; minimum daily, 9.7°C, Jan. 1, 1998.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: July 1997 to September 1997: maximum daily, 33,800 microsiemens, Aug. 2; minimum daily, 20,200 microsiemens, Sept. 26. Water Year 1998: Maximum daily, 41,100 microsiemens, Aug. 11; minimum daily, 189 microsiemens, Jan. 19.

WATER TEMPERATURE: July 1997 to September 1997: maximum daily 32.9°C, July 29; minimum daily, 24.9°C, Sept. 27.

Water Year 1998: Maximum daily, 33.3°C, Aug. 2; minimum daily, 9.7 °C, Jan. 1.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR JULY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1							29800	26300	28000	28600	26300	27600
2							33800	29100	30900	28900	28200	28600
3							33200	32100	32800	28500	27700	28200
4							32400	30900	31900	29700	28200	28900
5							31600	29900	30800	31200	28800	30300
6							30500	28900	29900	31100	30400	30800
7							28900	27600	28300	31000	30500	30700
8							29200	28100	28800	31600	30700	31100
9							29200	28200	28700	31500	31000	31200
10							29000	28400	28700	31700	31300	31500
11							29100	27400	28400	32800	30100	31600
12							28400	26200	27500	30400	28200	29300
13							27600	25500	26200	30500	29200	30100
14							26800	24500	25700	32400	29900	30600
15							27200	25200	26700	32400	31700	32200
16							28500	26500	27800	32100	31600	31900
17							29600	27700	28900	32000	31500	31800
18							28900	27100	28400	32000	31500	31800
19							28400	26400	27400	31800	31100	31500
20							28800	26800	27700	31800	30500	31200
21							27500	22700	25200	31500	30200	30900
22							23900	20600	22100	31800	30300	31000
23							26500	21200	24300	32800	30300	31200
24							27500	24500	25700	32900	26700	30800
25				23400	22400	23000	28900	26400	28000	26700	22100	24000
26				23400	22500	23100	28900	27200	28100	25400	20200	22700
27				22900	21800	22400	28900	27800	28200	25500	21100	23200
28				22400	21200	21900	29000	27500	28500	24400	23000	23600
29				22100	21200	21700	28600	27200	28200	23800	22800	23400
30				24600	21500	22200	27800	27100	27500	23900	22800	23100
31				28100	23900	25100	28100	27200	27500	---	---	---
MONTH				---	---	---	33800	20600	28000	32900	20200	29200

CALCASIEU RIVER BASIN
08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23400	22700	22900	31200	26200	30400	29800	26900	28500	12800	6660	11200
2	26400	22100	24000	30900	26600	28800	28400	26800	27800	13400	9370	11000
3	26900	24700	26100	29600	26700	28500	28200	26000	27400	12200	9750	10900
4	27700	25500	26900	29600	25000	27500	26400	24300	25300	12500	10400	11300
5	28700	27500	28100	30600	26100	28500	25200	21400	24300	13000	10600	12100
6	29900	27300	28900	32300	28000	30400	27500	21600	25600	10900	8510	10100
7	31000	28300	29600	33500	26900	31200	27200	24300	25400	10100	5500	7930
8	30900	29700	30100	32400	28500	31400	30600	25000	28100	7490	4150	5390
9	31900	28900	30100	33300	31000	32200	30400	26600	28100	4150	2090	2770
10	31800	29800	30300	33100	31300	32200	28200	21600	25700	4070	1900	2880
11	31500	29900	30600	34000	31800	32700	30800	22900	25900	2550	1250	2050
12	31300	29100	30000	34600	31700	33000	31100	20400	27700	3410	1670	2420
13	30800	29200	30200	36000	34200	35100	30800	26100	29300	2330	485	910
14	30800	28500	29700	36000	33800	35000	30400	26800	29700	1620	376	915
15	32300	29200	31000	33800	28400	32300	31500	26700	29600	1080	229	491
16	34300	30700	32500	35400	30700	33100	32600	29700	31400	393	265	318
17	32500	28800	31300	35300	29500	33800	32400	31200	31800	286	189	228
18	31200	30400	30800	36500	33900	35500	32800	30600	31800	359	207	260
19	31000	30000	30700	38300	34600	37200	32400	30600	31700	432	189	253
20	31000	30300	30600	38300	36800	37300	32500	30400	31300	1920	432	1120
21	30600	29200	29700	37200	36200	36700	32700	30100	31100	3300	787	1660
22	30100	27700	29500	36700	33100	34700	32700	28500	30500	3610	896	2240
23	31000	28600	29800	34100	31000	33000	30000	24900	27300	4710	2250	3230
24	29900	28300	29100	34300	32200	33200	27100	20800	23200	4710	1800	2930
25	29400	28500	29100	34300	33400	33800	27900	13200	22400	3780	1340	2350
26	30300	24600	28600	33900	33400	33600	27900	10700	15400	3640	1070	2420
27	29400	25300	27600	33500	33200	33400	15500	8560	11800	5730	1580	2520
28	30600	26700	28300	34600	33000	33400	11400	7230	10200	2910	1640	2460
29	30600	28600	29900	35300	32700	33900	7230	4250	5430	2420	1300	1820
30	31800	29900	30500	33600	26900	30400	6660	4470	5600	2610	1360	1920
31	31800	29600	30900	---	---	---	9870	5500	8400	1950	1130	1580
MONTH	34300	22100	29300	38300	25000	32700	32800	4250	24400	13400	189	3860
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8580	1630	3730	6290	2660	4210	14000	6420	9540	23100	21100	22300
2	10300	5900	8280	6030	3410	4230	7270	6050	6770	22900	19900	21600
3	10300	5250	8110	6030	2900	3680	8820	5010	6760	22300	20300	21400
4	9310	6460	7610	5400	3180	3960	9180	4460	5670	21800	16500	19100
5	13400	7020	11300	4180	3360	3700	10700	7760	9640	17900	15800	16700
6	11200	5170	9450	5580	3830	4780	9130	7740	8420	19900	16300	18500
7	7830	5430	6830	7000	3830	5550	9020	7700	8280	20400	18900	19700
8	10700	5470	8830	12800	4620	8270	9600	8290	8720	20600	19700	20300
9	14900	8540	11800	7480	3140	4280	11900	7310	9760	20800	19800	20300
10	11100	9900	10500	8980	4450	6270	11700	7180	9130	20600	18300	19600
11	12300	6950	9570	9860	7370	8830	13900	10400	12500	18900	17800	18200
12	9140	5760	7170	11100	6680	9370	13600	10700	12300	18600	17900	18200
13	13200	6320	9980	10100	6600	8730	11800	9420	10000	20400	18600	19500
14	11800	10000	10900	10600	9270	9890	13000	10000	11400	23700	18900	21200
15	23300	9150	15500	9600	8100	9140	13000	10500	11500	23600	22400	22800
16	25700	22300	24200	9620	8160	8930	15000	9940	12600	23900	22600	23400
17	22400	15100	19500	10300	6780	9140	17300	12600	13800	23900	22100	22800
18	21200	10300	17000	8910	5730	7250	18900	15500	17000	22500	20000	21400
19	12700	8670	10200	8840	5130	5960	19000	15800	17600	20700	19200	19800
20	10600	4510	7190	8910	2890	4700	19000	16700	17700	20700	19100	19800
21	6840	5500	6200	4960	2390	3200	17100	13400	16400	21500	19600	20700
22	14700	6310	10300	6630	3870	5340	17200	12400	15800	23700	20900	22100
23	12100	5540	9670	5730	3870	4840	17000	15600	16300	24100	22500	23300
24	7500	5770	6770	5100	4040	4500	16700	15500	16000	24300	23400	23800
25	6850	5410	6170	4880	3720	4480	16200	15400	15800	24500	23200	23900
26	7930	6150	7010	5050	3550	4240	15900	15500	15700	24400	23000	23800
27	7630	4510	5880	5870	5010	5510	21500	15700	18000	24800	22600	23900
28	9130	4500	6080	10800	5300	7660	19000	16700	17500	24000	22100	23400
29	---	---	---	8750	6180	6970	25200	18500	20500	23900	21800	22900
30	---	---	---	15400	8750	11500	24600	22000	24000	24600	22600	23400
31	---	---	---	16800	7910	13500	---	---	---	25100	21900	23000
MONTH	25700	1630	9850	16800	2390	6540	25200	4460	13200	25100	15800	21300

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25900	22400	24500	30100	28600	29500	23200	20500	21600	36500	33500	34600
2	25900	25300	25700	29200	28500	28900	21900	20200	20900	38500	34700	36300
3	26200	25500	25800	29000	28200	28600	26400	20800	23500	38200	35700	37400
4	26900	25500	26200	28800	27800	28400	36500	24900	29500	36700	35600	36100
5	27300	26700	26900	29200	26600	28200	37200	34100	35700	36000	35500	35700
6	26800	20900	24000	28600	23900	27200	38300	35500	37000	35500	35200	35300
7	26500	20800	23300	27100	22800	25700	40700	37500	39000	35200	34700	35000
8	25700	22900	23700	26400	22000	24300	40900	37700	39800	35200	34600	35000
9	24600	22200	22900	26800	22000	24100	40200	38200	39200	35800	34800	35200
10	25700	23600	24800	25300	22100	23600	41000	38500	39500	36100	34700	35500
11	30200	25300	27300	25700	23000	24100	41100	38900	40100	35200	29600	33000
12	29900	27500	28700	26400	22500	25300	41100	37800	39600	33800	30600	32400
13	31900	27800	30600	26200	24900	25600	39800	35100	37700	32300	27800	30800
14	32400	30000	31100	26200	25100	25700	36100	32600	34300	32000	16700	27600
15	32600	30600	31700	25900	22200	24400	33800	31700	32400	27900	8550	18300
16	32000	31000	31400	24500	21800	23400	34000	31000	32400	29400	7310	24500
17	31500	30100	30800	24500	18800	22200	32700	30100	31400	28900	27500	28100
18	30100	28600	29000	22600	19200	21000	32200	30500	31300	27800	25700	27000
19	29100	28500	28900	22200	19100	20400	32700	30900	31800	28000	27100	27700
20	29700	28700	29100	22800	20400	21600	33800	32000	32500	27800	26700	27600
21	30200	28800	29300	25100	22200	23200	34600	32400	33500	27300	5880	25600
22	30600	28000	29700	25600	24100	24700	40300	34100	38800	21300	2840	9850
23	30200	28100	29300	26400	24300	25300	38500	35100	37000	28600	21300	26900
24	30600	27600	29800	26400	22500	25200	36500	35200	36100	28600	28100	28400
25	31500	28500	30500	25300	23800	24600	35900	34700	35500	28100	5250	19200
26	31500	29000	30600	25300	23600	24300	35500	34600	34900	24500	4990	10600
27	31600	30000	30700	24500	22900	23500	35400	34400	34800	23900	7750	11400
28	31000	29800	30500	23100	21400	22100	35400	34800	35100	25300	14100	18400
29	31000	29000	29800	23600	21500	22800	35400	33100	34600	19400	15600	17500
30	29700	28800	29200	23800	22400	22900	34400	32600	33600	18500	15200	17600
31	---	---	---	23700	21700	22700	35100	32800	33600	---	---	---
MONTH	32600	20800	28200	30100	18800	24600	41100	20200	34100	38500	2840	27300

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR JULY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1							31.4	30.2	30.8	31.7	29.9	30.7
2							31.4	29.0	30.0	32.2	30.7	31.2
3							31.0	29.4	30.1	32.0	29.9	30.7
4							30.6	29.4	30.0	31.1	29.3	30.1
5							30.9	29.5	30.2	30.4	27.7	28.8
6							31.3	30.1	30.7	30.1	28.6	29.1
7							31.0	30.1	30.5	29.9	28.6	29.1
8							30.1	29.1	29.5	30.5	28.6	29.4
9							29.8	28.6	29.1	30.1	29.1	29.4
10							30.6	29.0	29.7	30.7	28.3	29.3
11							31.6	29.6	30.4	30.0	28.3	29.1
12							32.4	30.2	31.0	29.5	27.7	28.5
13							32.6	30.9	31.5	29.8	27.8	28.7
14							32.4	31.0	31.7	30.2	28.7	29.4
15							31.6	30.2	30.9	30.5	29.2	29.8
16							31.3	29.9	30.6	30.9	29.4	30.1
17							31.4	30.0	30.5	30.9	29.4	30.1
18							31.9	30.4	30.9	30.9	29.7	30.2
19							32.2	30.5	31.3	30.4	29.6	30.0
20							32.1	30.7	31.4	30.3	28.8	29.5
21							32.0	30.7	31.1	30.1	28.7	29.3
22							31.4	29.7	30.4	29.2	28.5	28.8
23							31.4	28.8	30.0	28.6	26.8	27.6
24							30.6	28.6	29.6	27.6	26.7	27.0
25				32.5	30.6	31.3	30.8	28.0	29.5	27.5	26.3	26.9
26				32.8	31.2	31.8	30.8	28.5	29.6	27.4	25.3	26.3
27				32.7	31.2	32.0	31.4	29.3	30.1	26.8	24.9	25.8
28				32.7	31.4	31.9	31.4	29.9	30.4	27.1	25.1	26.2
29				32.9	31.2	31.9	31.2	29.7	30.2	27.2	26.1	26.7
30				32.6	30.6	31.6	31.3	29.7	30.5	28.5	26.7	27.6
31				32.0	30.6	31.3	31.7	30.2	30.9	---	---	---
MONTH				---	---	---	32.6	28.0	30.4	32.2	24.9	28.8

CALCASIEU RIVER BASIN
08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued
WATER-QUALITY RECORDS

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28.8	27.4	28.0	22.3	19.6	21.4	17.0	15.7	16.4	11.8	9.7	10.7
2	28.5	26.2	27.3	20.3	18.8	19.5	16.7	16.1	16.4	13.1	10.9	12.2
3	28.1	26.3	27.0	19.5	17.8	18.7	17.6	16.5	16.9	14.6	12.7	13.7
4	27.4	25.8	26.7	19.0	17.7	18.3	17.0	15.8	16.3	15.3	14.3	14.8
5	27.9	26.1	27.0	18.6	17.9	18.3	16.6	14.7	15.5	16.1	14.0	14.6
6	27.9	26.3	27.2	19.6	17.7	18.6	15.4	13.4	14.5	17.2	14.8	15.5
7	27.3	26.4	26.7	18.9	16.7	17.7	14.5	12.5	13.4	15.6	14.4	15.1
8	26.9	25.9	26.3	18.1	15.9	17.2	14.8	12.3	13.3	14.4	12.7	13.6
9	27.0	26.1	26.5	17.5	16.3	16.9	15.9	14.1	14.9	14.9	13.1	13.8
10	26.8	26.1	26.4	17.6	16.5	17.0	15.7	13.9	15.3	14.8	13.2	14.0
11	26.5	25.8	26.1	17.9	16.7	17.3	13.9	11.9	12.7	14.6	13.4	14.0
12	26.2	25.6	25.9	17.8	16.5	17.0	12.0	10.9	11.4	14.9	14.1	14.4
13	26.1	24.7	25.5	16.8	16.2	16.5	10.9	10.1	10.6	15.3	14.7	14.9
14	24.7	21.4	22.9	17.4	16.1	16.8	11.4	10.1	10.7	15.8	15.0	15.3
15	21.4	19.9	20.6	16.6	14.2	15.3	11.6	9.9	10.9	15.4	14.3	14.9
16	20.9	18.9	20.0	15.1	13.6	14.2	12.3	10.6	11.5	15.1	13.8	14.4
17	20.5	19.1	19.8	14.0	12.3	13.3	13.9	12.0	12.7	15.1	13.9	14.4
18	20.5	19.1	19.9	13.8	12.7	13.3	14.0	12.0	12.9	15.3	13.9	14.7
19	21.1	19.8	20.3	14.4	12.6	13.6	14.8	12.9	13.8	15.2	13.7	14.4
20	22.5	20.6	21.4	15.0	13.4	14.2	14.9	14.2	14.4	14.4	13.3	13.8
21	23.1	21.6	22.3	16.5	14.8	15.7	16.2	14.9	15.5	15.3	14.0	14.6
22	22.7	21.5	22.0	16.6	15.4	16.0	16.1	14.0	15.1	15.8	14.3	15.1
23	21.6	20.9	21.3	16.4	14.9	15.7	16.0	14.5	15.0	14.7	13.7	14.1
24	23.0	21.3	22.1	15.9	14.8	15.4	15.2	14.3	14.8	14.6	13.3	13.8
25	23.9	22.8	23.3	16.4	15.1	15.8	15.3	14.3	14.9	14.5	13.5	14.1
26	23.8	20.6	22.0	17.4	15.8	16.6	15.3	13.3	14.0	14.9	13.6	14.3
27	20.6	19.6	20.1	18.0	16.8	17.5	13.4	12.3	12.9	14.2	13.0	13.6
28	19.7	17.8	18.5	18.6	17.6	18.2	12.7	11.7	12.2	14.2	12.7	13.5
29	18.2	17.4	17.9	19.6	18.5	19.0	11.7	10.3	11.0	14.8	13.2	14.0
30	19.7	17.7	18.6	18.9	16.3	17.6	12.3	9.9	10.8	15.2	13.9	14.4
31	21.0	19.5	20.2	---	---	---	11.8	10.2	11.0	15.4	14.7	15.1
MONTH	28.8	17.4	23.2	22.3	12.3	16.8	17.6	9.9	13.6	17.2	9.7	14.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	15.0	14.4	14.7	16.7	14.9	15.7	22.3	21.0	21.5	23.6	21.6	22.7
2	14.5	13.9	14.3	16.0	14.3	15.1	21.6	21.0	21.4	24.8	23.1	23.8
3	15.2	13.7	14.3	16.0	14.0	14.8	23.1	21.1	22.0	25.0	23.5	24.3
4	14.6	13.1	13.7	15.5	14.4	15.0	22.4	19.9	20.8	26.5	24.0	25.1
5	14.4	13.5	13.8	16.9	15.4	16.1	21.1	19.1	20.1	26.6	24.5	25.8
6	14.1	13.0	13.5	17.8	16.4	16.8	21.1	19.5	20.5	26.1	25.5	25.8
7	13.6	12.1	12.9	17.9	17.1	17.5	22.5	20.5	21.2	27.0	25.5	26.1
8	13.8	12.6	13.2	17.9	15.1	16.8	24.2	22.5	23.0	27.7	26.1	26.9
9	15.3	13.6	14.3	15.8	13.5	14.4	22.8	20.4	21.4	27.5	26.5	27.0
10	16.2	14.9	15.5	15.2	12.3	13.8	22.3	19.7	20.9	27.7	25.4	26.7
11	16.0	14.6	15.3	15.1	11.9	13.8	21.7	20.0	20.8	27.4	25.7	26.3
12	15.7	14.3	15.1	14.8	12.5	13.6	21.2	19.9	20.6	27.2	25.9	26.6
13	16.5	14.6	15.6	14.5	13.0	13.8	20.8	20.1	20.4	26.8	25.9	26.2
14	16.3	15.1	15.5	14.9	14.0	14.4	22.3	20.3	21.1	26.2	25.9	26.0
15	15.1	14.4	14.7	15.8	14.4	15.0	23.2	21.8	22.5	26.8	25.6	26.1
16	14.7	14.1	14.6	15.8	15.3	15.5	23.6	22.8	23.0	27.8	26.2	26.8
17	14.9	13.4	14.2	17.1	14.9	15.6	23.6	20.6	21.7	28.5	26.9	27.6
18	15.8	13.8	14.8	18.4	16.4	17.5	20.6	19.0	20.0	29.8	27.3	27.9
19	15.5	14.1	14.7	18.5	15.4	17.1	21.3	18.9	19.9	28.3	26.3	27.3
20	15.5	13.8	14.3	17.1	15.4	15.9	22.0	19.2	20.3	28.5	26.5	27.6
21	15.6	14.2	14.9	17.4	15.1	15.9	21.5	19.6	20.5	28.3	27.4	27.8
22	15.6	14.4	14.9	17.4	15.4	16.0	21.2	19.3	20.2	27.7	26.7	27.2
23	15.5	14.0	14.7	17.5	15.9	16.8	21.6	18.9	20.2	27.5	26.4	26.9
24	16.3	14.3	15.2	19.0	16.8	17.9	22.3	20.4	21.3	28.0	26.5	27.1
25	17.0	15.7	16.4	19.8	18.0	18.9	21.6	20.3	21.0	28.1	26.7	27.4
26	17.8	16.8	17.2	21.0	19.1	20.1	22.1	20.9	21.5	28.8	27.0	27.7
27	17.0	15.9	16.6	21.4	20.2	20.8	23.1	21.7	22.3	29.3	27.5	28.3
28	16.8	15.7	16.4	22.6	20.9	21.6	23.5	22.1	22.8	29.6	28.2	28.8
29	---	---	---	23.3	21.9	22.5	23.4	21.4	22.2	30.5	29.0	29.7
30	---	---	---	23.3	22.0	22.7	23.0	21.2	21.7	31.5	29.8	30.5
31	---	---	---	22.7	21.4	22.1	---	---	---	31.8	30.1	31.0
MONTH	17.8	12.1	14.8	23.3	11.9	16.9	24.2	18.9	21.2	31.8	21.6	26.9

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.8	30.1	30.9	31.7	29.5	30.4	32.9	30.7	31.5	31.4	30.1	30.5
2	30.6	29.5	30.1	30.9	29.8	30.4	33.3	31.1	32.0	30.6	29.0	29.9
3	30.6	29.2	29.8	30.6	29.7	30.2	32.7	31.0	31.8	30.9	29.6	30.1
4	30.4	29.3	29.9	31.2	29.5	30.3	32.3	30.9	31.5	31.0	30.0	30.5
5	30.5	29.4	29.9	32.2	30.0	30.8	32.7	30.8	31.5	31.0	29.9	30.5
6	29.6	27.9	28.8	32.6	30.8	31.4	31.8	30.8	31.3	30.4	29.1	29.7
7	28.3	26.4	27.4	33.0	31.2	31.7	30.8	29.7	30.1	29.2	28.4	28.8
8	28.3	27.0	27.6	32.7	30.9	31.7	30.6	29.6	29.9	28.8	28.0	28.4
9	29.4	27.5	28.3	32.6	31.2	31.9	31.5	29.9	30.6	28.7	27.8	28.2
10	29.9	28.5	29.2	32.5	31.0	31.8	32.4	30.4	31.3	27.8	26.0	26.9
11	29.7	28.4	29.1	32.4	31.0	31.7	32.7	30.9	31.8	26.0	25.4	25.6
12	30.2	28.8	29.4	32.2	30.5	31.3	32.9	31.2	31.9	26.6	25.7	25.9
13	30.3	29.1	29.6	31.1	30.2	30.6	32.7	31.3	31.8	27.1	26.2	26.6
14	30.0	28.8	29.4	30.4	29.1	29.6	31.3	28.7	30.0	27.0	26.7	26.9
15	30.2	28.8	29.4	30.9	28.5	29.6	30.3	28.0	28.8	26.9	26.3	26.7
16	31.1	29.1	30.0	31.9	29.9	30.7	31.3	28.5	29.7	26.9	26.3	26.7
17	31.2	29.6	30.4	31.7	30.4	30.9	31.0	29.8	30.3	26.9	26.7	26.7
18	31.2	29.8	30.4	32.7	30.0	30.6	31.4	29.8	30.4	26.9	26.7	26.8
19	31.4	29.8	30.6	32.7	30.5	31.5	31.1	30.0	30.5	27.2	26.9	27.0
20	31.3	29.8	30.5	33.3	31.0	31.9	31.0	30.0	30.6	27.4	27.0	27.2
21	31.4	29.6	30.4	32.4	31.3	31.9	30.7	29.1	29.8	28.8	27.2	27.5
22	31.9	30.0	30.7	31.9	30.9	31.3	29.3	28.8	29.0	29.8	28.2	28.8
23	31.7	30.2	31.0	32.3	30.5	31.3	29.7	28.5	28.9	28.7	27.8	28.0
24	32.1	30.3	31.1	32.5	30.9	31.6	30.7	29.0	29.7	28.2	27.9	28.0
25	31.4	30.5	31.0	32.4	30.9	31.5	31.9	30.0	30.8	29.9	28.2	28.8
26	30.5	29.3	29.8	31.6	30.7	31.0	32.5	31.0	31.6	30.0	28.3	29.1
27	29.3	28.1	28.6	31.6	30.1	30.8	32.4	31.0	31.7	30.4	28.9	29.6
28	28.1	27.4	27.6	31.1	30.2	30.6	32.7	31.2	31.9	30.2	28.8	29.5
29	29.2	27.1	28.0	31.5	30.2	30.8	32.5	31.7	32.0	30.2	28.5	29.5
30	30.5	28.5	29.4	31.9	30.2	31.0	32.7	31.5	32.0	29.9	28.6	29.4
31	---	---	---	32.2	30.4	31.2	32.0	30.6	31.3	---	---	---
MONTH	32.1	26.4	29.6	33.3	28.5	31.0	33.3	28.0	30.8	31.4	25.4	28.3

CALCASIEU RIVER BASIN

08017118 CALCASIEU RIVER AT CAMERON, LA

LOCATION.--Lat 29°48'55", long 93°21'01", T. 14 S., R. 9 W., Cameron Parish, Hydrologic Unit 08080206, on a channel marker 0.3 miles north of the Cameron ferry located on State Highway 82.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.14 ft, Sep. 11, 1998; minimum elevation, -3.00 ft, Dec. 29, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.14 ft, Sep. 11; minimum elevation, -3.00 ft, Dec. 29.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.88	.03	.56	1.49	.28	.90	1.02	-.77	.35	.84	-.69	.28
2	1.20	.28	.86	.75	-.54	.35	1.70	-.28	.90	.93	-.39	.53
3	1.24	.29	.90	.37	-1.01	-.24	1.70	-.38	.83	1.21	.01	.74
4	1.39	.29	1.05	.94	-.91	.11	.76	-1.10	-.05	---	---	---
5	1.64	.44	1.16	1.44	.34	1.01	.58	-.72	.04	---	---	---
6	1.70	.60	1.26	1.19	-.45	.17	.56	-.53	.09	---	---	---
7	2.12	.77	1.54	.64	-.62	.08	1.68	.18	.64	---	---	---
8	2.53	1.49	2.10	.84	-.19	.45	1.67	.27	.95	---	---	---
9	2.58	1.05	2.01	1.00	.05	.57	1.23	.03	.82	---	---	---
10	2.57	1.15	2.17	1.12	.08	.57	1.22	-.20	.41	---	---	---
11	2.80	1.81	2.48	1.30	-.22	.63	.49	-1.02	-.08	---	---	---
12	3.17	2.00	2.75	1.74	.25	1.19	.35	-1.57	-.24	---	---	---
13	2.99	.57	2.01	1.58	.00	1.08	.51	-1.40	-.07	---	---	---
14	1.50	.00	.76	1.13	-.43	.54	.30	-1.86	-.54	---	---	---
15	1.86	.74	1.26	.95	-1.06	.22	.42	-1.49	-.18	---	---	---
16	1.74	.38	1.15	.72	-1.19	.01	.51	-1.14	-.11	---	---	---
17	1.68	.11	1.10	1.02	-.49	.51	.57	-.85	.07	---	---	---
18	1.68	.17	1.16	1.51	-.04	.93	.40	-.79	.00	---	---	---
19	1.71	.33	1.24	1.28	-.30	.62	.65	-.59	.17	---	---	---
20	1.65	.05	.96	1.32	.27	.86	1.29	.27	.64	---	---	---
21	1.29	-.04	.75	1.32	.37	.94	1.28	.35	.84	---	---	---
22	1.06	-.15	.57	1.21	.15	.55	1.26	.18	.69	2.01	.98	1.50
23	1.96	.94	1.28	1.18	.25	.61	1.91	.57	1.18	1.46	-.04	.99
24	2.11	.44	1.16	1.28	.73	1.01	1.36	.16	.79	1.36	-.09	.80
25	1.60	.96	1.29	1.44	.30	.95	1.14	-.16	.61	1.95	-.03	1.16
26	1.96	-.06	.74	1.48	.36	.86	1.43	.08	.72	2.04	.17	1.24
27	.90	-.10	.48	1.69	.12	.95	.96	-1.53	-.13	.92	-.94	.20
28	1.38	.36	.91	1.95	.43	1.37	.78	-.58	.10	1.34	-.55	.73
29	1.48	.50	1.16	1.95	.26	1.13	-.53	-3.00	-1.59	1.59	-.19	.94
30	1.57	.53	1.25	.96	-.92	.23	-.05	-2.36	-.91	1.35	-.11	.77
31	1.56	.45	1.17	---	---	---	.15	-2.26	-.59	1.76	.15	1.15
MONTH	3.17	-.15	1.27	1.95	-1.19	.64	1.91	-3.00	.20	---	---	---

CALCASIEU RIVER BASIN

08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.22	1.17	1.82	1.19	-.22	.75	1.79	.57	1.44	1.73	.54	1.34
2	2.41	.62	1.55	1.13	-.70	.51	2.13	.65	1.68	1.53	.51	1.17
3	1.17	.16	.86	.95	-.70	.37	1.91	.54	1.37	1.65	.64	1.11
4	1.54	-.23	.91	1.62	-.19	.95	1.33	-.32	.75	1.41	.36	.94
5	1.48	.26	.95	1.54	.44	1.14	1.53	.07	1.03	1.69	.76	1.33
6	.96	-.32	.35	1.87	.08	1.20	1.68	.52	1.32	1.82	1.25	1.55
7	.61	-.89	.16	2.49	.39	1.68	1.66	1.01	1.38	1.79	.92	1.46
8	1.31	-.68	.43	2.02	-.80	.61	1.67	.94	1.33	1.63	1.01	1.40
9	1.31	-.30	.73	.20	-1.89	-.59	.97	-.10	.45	2.13	.88	1.71
10	2.01	-.07	.93	.65	-1.07	-.03	.83	-.25	.35	1.71	-.02	1.05
11	1.28	-.88	.19	.89	-.35	.43	1.20	.20	.74	1.66	.48	1.19
12	.97	-.44	.46	.99	-.31	.53	1.76	.68	1.38	1.81	.77	1.48
13	1.21	-.05	.77	1.26	.15	.84	2.12	.58	1.53	2.13	.89	1.71
14	1.90	.42	1.10	1.27	.16	.86	1.65	.55	1.29	2.20	.91	1.80
15	2.76	1.46	2.30	1.51	.76	1.20	1.95	.55	1.56	2.24	.75	1.70
16	2.09	1.09	1.70	2.41	.87	1.79	2.11	.75	1.65	1.77	.53	1.35
17	1.98	-.06	1.04	1.88	.87	1.61	1.88	.53	1.24	1.50	.41	1.09
18	1.39	-.12	.84	2.10	.89	1.72	1.75	.31	1.18	1.34	.17	.95
19	1.40	.28	.88	2.25	-.06	1.69	1.57	.32	1.05	1.51	.55	1.17
20	.92	-.64	.41	.87	-.58	.38	1.57	.31	1.10	1.55	.81	1.24
21	1.99	-.25	.88	.86	-.78	.31	1.48	.46	.91	1.65	.76	1.28
22	1.87	.37	1.03	1.22	-.75	.65	.89	-.20	.44	1.76	.58	1.31
23	.93	-.56	.28	1.30	-.22	.74	.74	-.28	.36	1.88	.48	1.45
24	1.25	-.68	.47	1.44	.16	.93	.90	.01	.54	1.81	.18	1.34
25	1.61	.05	1.01	1.66	.23	1.05	1.52	.27	1.06	1.95	.30	1.40
26	1.87	.42	1.30	1.66	.39	1.10	1.83	.61	1.38	2.01	.25	1.42
27	1.77	-.14	1.14	1.88	.99	1.51	1.96	.49	1.45	1.94	.24	1.44
28	1.88	.47	1.26	1.88	.95	1.44	1.94	.70	1.41	1.98	.24	1.46
29	---	---	---	2.10	.93	1.63	3.03	.81	2.17	1.86	.40	1.36
30	---	---	---	2.51	1.17	2.04	2.21	.70	1.60	1.64	.41	1.17
31	---	---	---	2.80	.28	1.86	---	---	---	1.30	.32	.88
MONTH	2.76	-.89	.92	2.80	-1.89	1.00	3.03	-.32	1.17	2.24	-.02	1.33

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.03	.28	.69	1.24	.37	.81	.94	-.19	.54	---	---	---
2	1.23	.53	.82	1.43	.71	1.06	.88	-.14	.52	---	---	---
3	1.29	.60	.97	1.94	.28	1.15	1.60	.46	1.10	---	---	---
4	1.70	.88	1.36	1.63	.29	1.11	1.83	.31	1.28	---	---	---
5	1.62	.34	1.18	1.48	.09	.96	1.61	-.17	1.02	2.40	.82	1.88
6	1.38	-.16	.85	1.20	-.49	.64	1.42	.03	.88	2.15	1.04	1.71
7	1.42	.48	1.02	1.26	-.33	.72	1.51	-.14	.96	2.61	1.24	2.08
8	2.00	.73	1.55	1.21	-.38	.73	1.52	-.04	1.02	2.90	1.89	2.46
9	2.14	.68	1.66	1.28	-.49	.72	1.36	-.02	.95	3.42	1.84	2.58
10	2.05	.66	1.53	1.08	-.76	.46	1.25	.07	.86	4.08	3.36	3.76
11	2.09	.40	1.56	.84	-.63	.37	1.17	.22	.87	4.14	3.21	3.82
12	1.90	.27	1.31	.85	-.60	.37	1.17	.35	.81	4.06	2.31	3.22
13	1.39	.06	.96	.90	-.43	.53	1.00	.04	.62	3.55	1.88	2.95
14	1.17	.06	.86	.97	-.18	.44	1.05	-.49	.56	3.45	1.62	2.80
15	1.20	.07	.79	.86	-.05	.46	1.35	-.13	.67	2.98	1.72	2.51
16	1.27	-.10	.93	.82	-.21	.42	1.28	-.14	.79	2.85	1.50	2.32
17	1.59	.73	1.19	.77	-.47	.30	1.24	-.31	.77	2.76	1.66	2.37
18	1.70	.65	1.27	.72	-.48	.37	1.25	-.17	.78	2.75	1.73	2.33
19	1.59	.24	1.13	.89	-.60	.46	1.46	-.09	.94	2.78	1.74	2.44
20	1.46	-.12	.94	1.04	-.54	.55	1.94	.58	1.29	2.57	1.37	2.01
21	1.47	-.30	.90	1.08	-.57	.60	2.55	.89	1.92	2.18	1.30	1.84
22	1.39	-.34	.81	1.17	-.52	.65	2.60	1.07	2.12	2.07	1.00	1.57
23	1.40	-.40	.82	1.23	-.40	.72	2.23	1.14	1.79	1.83	.32	1.42
24	1.41	-.16	.89	1.06	-.23	.69	1.87	1.00	1.61	1.81	1.13	1.55
25	1.80	.06	1.24	1.13	-.23	.69	1.84	1.00	1.52	2.32	1.21	1.78
26	2.22	.87	1.73	.98	-.23	.60	1.80	1.00	1.40	2.21	1.18	1.83
27	2.48	1.04	1.84	1.04	-.07	.66	---	---	---	2.12	1.04	1.75
28	---	---	---	.98	.23	.66	---	---	---	2.25	1.56	1.96
29	---	---	---	1.01	.35	.68	---	---	---	2.18	.22	1.27
30	---	---	---	.94	.08	.65	---	---	---	1.58	.48	1.10
31	---	---	---	.94	-.01	.61	---	---	---	---	---	---
MONTH	---	---	---	1.94	-.76	.64	---	---	---	---	---	---

CALCASIEU RIVER BASIN
08017118 CALCASIEU RIVER AT CAMERON, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1997 to current year.

WATER TEMPERATURE: May 1997 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 53,600 microsiemens, Aug. 3, 1998; minimum daily, 2,690 microsiemens, Jan. 23, 1998.

WATER TEMPERATURE: Maximum daily, 33.8 °C, Sep. 14, 1998; minimum daily, 7.7 °C, Dec. 14, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 53,600 microsiemens, Aug. 3, 1998; minimum daily, 2,690 microsiemens, Jan. 23, 1998.

WATER TEMPERATURE: Maximum daily, 33.8 °C, Sep. 14, 1998; minimum daily, 7.7 °C, Dec. 14, 1997.

SPECIFIC CONDUCTANCE, μ S/CM AT 25 DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										23600	11800	18600
22										25800	11800	19400
23										23700	11800	20000
24										22900	14000	20200
25										22000	14200	19400
26										25200	14100	19000
27										22400	13200	18300
28										20000	12900	15600
29										19000	12000	14600
30										20500	12900	15800
31										17200	10100	13400
MONTH										---	---	---

CALCASIEU RIVER BASIN
08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	32600	10600	22500	35300	21700	28700	44300	26700	36800	37000	26300	30400
2	33400	11700	18900	38200	21700	31600	45100	25600	38300	30500	25600	27800
3	35200	11000	20500	40300	21300	29200	42800	27400	35300	30100	25300	27200
4	35200	11000	26400	41800	20900	33400	42300	27300	34400	31700	25100	27200
5	34500	13200	23700	42300	21300	33500	42300	27800	32100	32900	24600	29100
6	36600	13600	27200	42000	22500	35700	42900	26900	35500	33600	25700	29300
7	34700	18200	26900	41400	24500	35600	43200	31400	35500	34300	29100	32400
8	34400	16700	26600	40200	26900	32900	42800	30600	34900	34000	27700	31300
9	35000	18300	29100	40000	25200	31000	43600	33800	39700	32200	27900	29900
10	33700	19500	26900	39200	25100	30600	41000	29700	36500	37100	27800	30300
11	33900	17900	25400	37700	26500	29800	40600	30300	35300	33600	28500	31100
12	35200	21900	28600	35800	23200	28400	43300	31300	38000	36800	27400	31100
13	34800	27300	30700	35800	22800	29000	42000	31500	37400	31000	29300	30500
14	34800	24100	29300	37900	22000	30900	42100	32300	37800	31400	29500	30700
15	31000	21500	26500	38600	22700	30900	42600	32900	39200	31800	29900	31100
16	36500	22100	30900	38800	22600	31900	43400	33300	41200	32800	30100	31400
17	35500	22500	30900	34500	22600	29900	43700	33400	40800	32900	30400	31600
18	35700	20600	27600	28100	22500	26100	42100	32900	39300	33800	30700	32200
19	36400	20600	30800	27500	22500	26100	42300	33600	39800	33900	31300	32800
20	37500	22600	32400	28900	23200	27200	42800	34700	38700	33600	30900	32300
21	37000	24000	32900	33100	23500	29500	41100	32300	35100	33800	30400	32300
22	34300	23600	31300	35100	23400	29400	43300	32100	36200	---	---	---
23	27400	23600	25400	41500	24300	32400	39600	27700	34300	---	---	---
24	24300	21600	22400	42000	26800	33100	42800	32300	38500	---	---	---
25	28700	21600	24300	40900	28100	32200	42700	32400	36700	---	---	---
26	31900	20700	24600	39500	25500	31400	42100	31800	37800	---	---	---
27	33200	21300	25000	41300	23800	31200	40000	32600	37400	---	---	---
28	31900	20800	24900	40700	25000	32800	37700	31500	34800	---	---	---
29	36600	21800	30500	43200	25700	34100	37200	31200	34500	---	---	---
30	35900	21800	29800	44400	25600	35500	37200	31200	34900	40800	31700	34200
31	---	---	---	44800	25600	37400	37600	31300	35300	---	---	---
MONTH	37500	10600	27100	44800	20900	31300	45100	25600	36800	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	40500	29400	33400	44700	36200	39300	42500	34500	37200	43300	25500	37200
2	42500	31200	36400	45000	31700	37000	42700	35800	40400	43300	23800	34800
3	40800	31100	36200	45400	31900	36100	41900	36300	39900	45400	23000	33000
4	41500	32300	37900	46300	32200	40300	41900	33500	36000	---	---	---
5	43200	33000	39000	47000	41100	44600	42900	32800	37600	---	---	---
6	44800	32100	39000	45300	32900	37000	43200	31400	36600	---	---	---
7	44600	34400	41200	44600	32500	37200	45200	36600	40900	---	---	---
8	45100	37400	42300	46400	35300	42300	45400	36700	41300	---	---	---
9	40300	32800	37000	45400	36800	40800	45800	35900	40500	---	---	---
10	35100	31400	33300	45300	36800	40900	45400	29700	34400	---	---	---
11	32600	29200	30300	45600	35300	40300	46300	26800	33800	---	---	---
12	32600	29500	30700	45900	35800	41400	45600	26900	35200	---	---	---
13	30500	27400	27900	44600	33500	39000	46200	27400	38100	---	---	---
14	27800	25300	27300	44800	32700	37500	45700	28500	36700	---	---	---
15	30700	27000	28800	45300	32800	37800	46800	29500	40600	---	---	---
16	31100	30200	30700	46600	32500	37700	46500	31300	40600	---	---	---
17	33200	29600	31100	46900	36900	43300	46400	31400	41100	---	---	---
18	33400	29400	32100	47000	36300	43100	46600	30400	38500	---	---	---
19	34400	33400	34000	45900	34000	39800	46800	32000	41300	---	---	---
20	35000	32500	34300	46800	35500	42000	47100	36500	43400	---	---	---
21	42600	33200	35500	46400	37500	42800	45900	36300	42300	---	---	---
22	43600	32400	37900	43100	34500	37400	43200	35100	38000	41100	4300	12300
23	46100	42600	44600	41600	34500	37100	43900	34300	37500	28700	2690	8750
24	45200	37700	42200	42000	37100	39900	36700	31200	33500	33200	3250	10900
25	45500	39600	44000	41700	35200	39400	35800	27100	30400	32000	4480	16100
26	45000	35500	38600	41700	35300	38200	38200	23200	27900	32600	5790	14900
27	40900	34000	36300	38500	34800	36400	41400	21600	27500	37600	3770	13300
28	45500	37300	41000	35800	32700	34400	39500	19300	27900	32400	5890	17300
29	45000	35700	41700	35200	32700	34200	34500	13800	20200	32000	5680	16900
30	45800	35200	41700	39600	34400	35800	41600	14000	25600	31400	5300	12500
31	45100	35500	41100	---	---	---	42400	18900	32000	33100	6280	16000
MONTH	46100	25300	36400	47000	31700	39100	47100	13800	36000	---	---	---

CALCASIEU RIVER BASIN
08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	33400	12100	25100	23600	12500	14700	28500	13800	21000	34800	24100	30200
2	20600	5990	11000	34000	11400	16400	25100	14200	21400	36800	25000	30500
3	14200	4170	6370	35000	10000	19600	24400	16300	19600	36100	24100	29300
4	36500	5070	20900	36100	11600	27400	34700	14300	21100	37200	23300	28900
5	34700	9700	20600	35300	15200	25200	33700	15100	24500	36900	25900	33100
6	29100	8500	14200	37100	12100	25200	34700	18300	28300	37400	30400	35900
7	41600	8880	22700	37900	11400	26800	34900	19300	27600	37000	25300	32900
8	42000	10100	27100	37400	12700	18300	34300	18200	24500	35800	25200	29400
9	41700	13500	29600	31600	10800	17000	20300	14500	16600	37400	27000	35500
10	39200	20500	33400	34800	8120	17700	34400	13900	19400	30800	24600	27000
11	31200	17200	22800	36400	11200	21700	36800	13700	27800	35900	24600	32400
12	37800	13400	23100	36200	10500	19900	38400	22800	34800	35900	27700	33700
13	37500	14300	26200	34100	13800	22100	38500	25600	33600	31000	23800	28500
14	37800	15800	25700	28100	12900	18700	37900	20300	29800	28200	23100	25800
15	38200	24500	36000	34900	13900	24400	33100	22100	29900	24700	22000	23200
16	31300	16300	21000	34500	19000	29600	27800	23500	25800	24000	17900	20500
17	31700	14400	18900	22900	14100	18000	25400	21700	23400	22200	19100	20700
18	36700	14100	25900	19300	12100	15200	27100	21300	24000	25300	21100	23300
19	34200	14800	22900	17900	12100	14600	28800	18700	22600	23000	24000	31400
20	34100	13600	21500	14200	11000	12400	31400	18400	24800	36400	29700	33300
21	38300	13300	26200	38700	9530	21500	31100	19700	23100	37600	31600	35000
22	38200	19500	26100	37700	9900	23700	33800	18100	22200	37800	8320	24200
23	37000	14300	23700	38200	11900	26200	35100	18000	24000	19300	8750	13800
24	35200	14100	24700	38300	13800	27500	36400	21800	28800	24500	16300	19800
25	35000	18100	28900	36800	15300	25800	37200	27200	35000	38600	19300	35500
26	36100	20100	29000	36000	14800	24600	36100	26800	34200	36900	30600	35100
27	36800	15700	21800	36500	18700	30700	37200	27400	33500	33300	18400	25700
28	32300	14500	20000	28800	15200	20700	36900	23500	28000	---	---	---
29	---	---	---	20600	12300	18300	37100	24100	32500	---	---	---
30	---	---	---	16400	11000	15000	33500	24000	28400	---	---	---
31	---	---	---	15300	11800	13400	---	---	---	---	---	---
MONTH	42000	4170	23400	38700	8120	21000	38500	13700	26300	38600	8320	28700
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	24900	20900	23700	49100	34800	41000	---	---	---
2	---	---	---	30200	21100	24000	51700	35000	42500	---	---	---
3	40900	29800	35000	25600	16500	20600	53600	36900	48100	---	---	---
4	41900	33000	39700	25000	18700	22000	52800	38100	47100	---	---	---
5	40700	29700	35100	25300	22100	23400	51100	38900	45600	40800	38100	39700
6	34400	28700	31000	25300	23300	24800	50400	38500	45600	39400	37700	38700
7	39300	28700	35700	26000	23300	24000	45200	37500	42200	38500	32800	35000
8	39900	31200	38000	27400	23300	25900	42300	37600	40800	34300	29600	31900
9	39300	31300	36800	27100	25800	26600	41800	37800	40300	33900	25600	30800
10	31300	24600	27400	28100	26200	27200	43500	39400	41300	29000	24500	26000
11	27400	23500	24600	32900	25200	30000	45000	38900	42000	29500	23100	26800
12	24500	21700	22500	33000	27500	30400	46000	40200	42400	30700	22900	27200
13	22100	21700	21900	40600	27800	33700	44000	37900	41100	28600	22100	25600
14	22900	20900	22300	42200	30200	34900	46200	37300	42000	30200	21900	25800
15	24500	22800	23600	42800	28800	33100	48100	35500	42600	28700	22300	26000
16	25600	24400	24800	41100	27600	32100	48600	38000	44000	---	---	---
17	26500	25600	26100	44500	27200	33100	48700	38200	44400	29200	15700	22200
18	26800	26500	26700	47200	28700	37500	48600	36800	44400	22200	13600	16400
19	26600	25200	26100	47700	29400	40000	48500	37900	45300	29700	12200	17700
20	25700	24200	25200	48000	31800	41600	47500	39100	45300	16500	9490	11400
21	25900	24200	25400	48500	31800	42100	46600	40200	45000	26400	9770	13700
22	28000	24800	26300	47900	31800	42200	43900	38000	40400	24900	9760	14000
23	30200	27700	29300	47600	36000	43600	40200	35600	38700	24100	8430	13000
24	31900	28100	30500	47500	35300	43300	40000	29900	34600	33400	8870	15600
25	31900	28700	30100	48700	37200	44600	---	---	---	37600	10700	19400
26	30000	23600	25800	48300	38200	43300	---	---	---	41800	13400	25500
27	26500	17100	21800	48100	36300	43000	---	---	---	40500	13200	23400
28	---	---	---	46800	38100	42200	---	---	---	41500	13000	25800
29	---	---	---	47200	39000	42300	---	---	---	41700	12000	20100
30	---	---	---	46000	33500	40800	---	---	---	---	---	---
31	---	---	---	49100	34600	40700	---	---	---	---	---	---
MONTH	41900	17100	28500	49100	16500	34100	53600	29900	42800	41800	8430	23800

CALCASIEU RIVER BASIN
08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR MAY 1997 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										28.9	27.1	27.6
22										27.4	25.7	26.7
23										26.8	25.6	26.2
24										27.0	26.3	26.6
25										27.1	26.0	26.6
26										28.4	26.4	27.2
27										28.3	27.0	27.6
28										29.1	27.8	28.3
29										28.8	27.3	28.2
30										28.9	27.5	28.2
31										28.6	27.1	27.8
MONTH										---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.8	26.1	26.8	31.7	29.7	30.5	31.4	30.0	30.8	31.6	30.5	31.1
2	28.0	26.0	26.8	31.8	29.4	30.4	31.5	29.8	30.4	31.6	30.6	31.1
3	28.8	26.1	27.1	32.3	29.4	30.7	31.2	30.0	30.3	30.9	30.5	30.7
4	29.0	26.6	27.6	32.9	29.5	30.7	31.3	30.3	30.6	30.9	29.3	30.0
5	29.3	26.6	27.9	32.7	30.0	31.1	31.4	30.3	30.7	29.4	27.5	28.4
6	29.2	26.5	27.8	31.6	30.3	30.8	31.6	30.4	30.9	29.9	27.7	28.6
7	29.0	26.6	27.9	31.0	30.0	30.4	31.3	30.5	30.9	30.0	29.1	29.5
8	29.1	27.0	28.0	30.8	29.9	30.4	30.7	29.8	30.2	30.3	29.1	29.7
9	29.1	27.8	28.4	31.2	29.5	30.3	30.3	29.6	30.0	30.4	29.9	30.2
10	30.1	28.3	29.0	32.0	29.8	30.8	30.8	30.0	30.4	30.3	29.2	29.9
11	30.8	28.4	29.4	31.8	30.3	31.3	31.8	30.3	30.9	30.0	29.3	29.7
12	30.6	29.0	30.0	32.8	30.7	31.7	32.1	30.5	31.2	29.8	29.0	29.2
13	30.5	28.9	29.9	32.9	31.4	32.0	32.7	31.5	32.0	29.8	28.9	29.2
14	30.9	29.0	29.8	32.4	30.7	31.5	32.4	31.6	32.0	30.1	29.1	29.4
15	30.7	29.6	30.0	32.0	30.2	31.0	31.8	30.6	31.1	30.3	29.6	29.9
16	30.5	29.0	29.6	32.3	30.7	31.4	31.5	30.6	30.9	30.2	29.6	30.0
17	30.1	28.5	29.1	32.5	30.5	31.3	31.9	30.7	31.1	30.3	29.8	30.0
18	28.5	28.1	28.3	32.4	30.6	31.3	31.8	30.8	31.2	30.6	29.8	30.2
19	28.9	28.1	28.5	32.0	30.8	31.3	31.6	31.1	31.4	30.5	29.9	30.2
20	29.3	28.0	28.5	31.9	30.7	31.2	31.7	31.2	31.5	30.4	29.5	30.0
21	29.4	28.6	28.9	31.8	30.6	31.1	31.9	30.9	31.3	30.1	29.0	29.7
22	29.5	28.8	29.0	31.8	30.6	31.2	31.1	30.5	30.8	30.4	29.3	29.8
23	30.3	28.7	29.2	32.0	30.6	31.2	30.5	28.4	29.4	29.5	28.1	28.8
24	30.8	29.4	29.8	32.0	30.4	31.2	29.9	29.3	29.5	28.3	27.5	28.0
25	30.9	29.5	30.3	32.8	31.0	31.6	29.5	28.1	28.9	27.5	25.2	26.3
26	30.7	29.3	29.8	33.6	31.6	32.3	29.7	28.5	29.2	27.6	25.0	26.2
27	31.0	29.4	30.1	32.8	31.6	32.1	31.0	29.4	30.2	28.2	25.1	27.2
28	30.9	29.7	30.4	32.6	31.5	31.9	31.8	30.0	30.7	27.8	26.0	26.9
29	31.2	29.3	30.1	32.6	31.2	31.7	32.1	30.1	30.8	27.5	26.3	26.8
30	31.4	29.6	30.2	31.9	30.9	31.4	31.9	30.4	30.9	27.9	26.7	27.1
31	---	---	---	32.9	30.8	31.3	31.8	30.7	31.1	---	---	---
MONTH	31.4	26.0	28.9	33.6	29.4	31.2	32.7	28.1	30.7	31.6	25.0	29.1

CALCASIEU RIVER BASIN
08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28.4	27.1	27.6	20.3	19.2	19.7	17.0	15.5	16.3	12.0	9.9	11.2
2	28.3	26.2	27.4	20.3	18.6	19.5	17.0	15.4	16.4	12.9	11.4	12.0
3	27.3	25.7	26.6	19.4	17.3	18.1	17.6	16.7	17.0	14.1	12.5	13.2
4	27.2	25.4	26.4	19.4	17.1	18.3	16.7	15.0	15.9	---	---	---
5	27.1	25.9	26.6	19.4	18.5	19.0	16.4	13.2	14.9	---	---	---
6	27.3	26.1	26.8	18.7	17.4	18.1	16.3	11.5	13.4	---	---	---
7	27.3	26.1	26.6	18.6	15.8	17.0	15.4	12.4	14.0	---	---	---
8	26.7	26.1	26.4	18.4	16.4	17.7	14.3	12.6	13.5	---	---	---
9	26.6	26.2	26.4	18.0	16.4	17.0	15.8	13.4	14.5	---	---	---
10	26.7	26.3	26.5	17.4	15.8	16.6	15.8	13.5	14.4	---	---	---
11	26.6	26.3	26.4	17.4	15.5	16.6	14.0	10.9	12.4	---	---	---
12	26.9	26.2	26.5	17.4	16.1	16.7	12.6	8.6	10.3	---	---	---
13	26.6	24.2	26.0	16.8	15.6	16.2	12.4	7.8	10.1	---	---	---
14	24.2	19.8	21.7	17.2	15.3	16.0	11.6	7.7	9.5	---	---	---
15	22.2	17.8	20.5	16.4	14.6	15.5	12.4	8.5	10.7	---	---	---
16	21.5	17.0	18.8	15.3	11.5	13.3	12.6	9.4	11.2	---	---	---
17	21.8	17.1	18.9	15.2	11.1	13.4	13.1	11.1	12.2	---	---	---
18	21.8	17.6	19.6	14.5	11.4	13.1	13.1	11.5	12.3	---	---	---
19	21.8	18.8	20.5	14.1	11.5	12.5	13.6	12.4	13.0	---	---	---
20	22.3	19.8	21.2	14.6	12.7	13.8	13.9	13.3	13.5	---	---	---
21	22.9	21.2	22.2	15.8	14.6	15.1	15.9	13.6	14.7	---	---	---
22	22.5	21.4	22.0	16.2	15.1	15.5	15.4	14.5	14.9	15.9	15.1	15.5
23	22.2	22.0	22.1	15.4	14.8	15.2	15.3	14.4	14.9	15.2	14.0	14.5
24	23.3	22.1	22.6	15.2	14.5	15.0	15.4	14.4	15.1	15.0	13.2	13.8
25	24.0	22.9	23.3	15.5	14.7	15.1	14.9	14.4	14.6	14.8	13.2	13.9
26	23.7	19.6	21.8	15.9	15.2	15.6	14.6	12.6	13.8	14.8	13.8	14.1
27	20.1	17.1	18.6	17.0	15.5	16.3	13.4	11.2	12.1	14.9	13.0	13.7
28	20.7	16.8	18.6	17.4	16.9	17.1	12.8	10.7	11.6	14.4	12.8	13.6
29	19.5	15.9	17.9	18.3	17.2	17.6	11.3	10.3	10.8	14.5	13.1	13.9
30	19.2	16.4	18.0	17.6	16.6	17.2	12.0	9.6	10.7	15.3	13.9	14.6
31	20.2	17.8	18.8	---	---	---	12.2	10.1	11.2	15.7	15.0	15.3
MONTH	28.4	15.9	23.0	20.3	11.1	16.3	17.6	7.7	13.2	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	15.4	14.9	15.1	16.9	15.6	16.3	21.7	20.3	20.9	23.4	21.7	22.3
2	14.9	14.0	14.6	16.3	15.3	15.8	21.8	21.2	21.4	24.5	22.5	23.2
3	14.8	13.8	14.2	15.9	14.6	15.4	23.2	21.4	22.0	24.8	23.0	23.7
4	15.0	13.5	14.4	16.3	14.9	15.8	22.6	20.3	21.1	24.9	23.1	24.1
5	14.9	13.5	14.1	17.7	16.2	16.6	21.1	19.0	19.9	24.8	23.6	24.3
6	14.4	12.6	13.1	17.7	17.1	17.4	20.3	19.3	19.9	25.6	24.2	24.7
7	15.2	12.0	13.5	18.1	17.4	17.9	22.0	20.0	20.6	25.8	25.0	25.3
8	15.3	12.3	13.8	18.2	14.9	17.3	22.4	21.2	21.8	26.3	25.4	25.8
9	15.2	13.4	14.4	14.9	13.0	13.7	22.2	20.5	21.1	26.5	25.5	25.9
10	15.9	15.2	15.5	14.4	10.8	12.5	21.3	19.9	20.7	26.8	25.3	26.1
11	15.6	14.5	15.0	13.8	10.4	12.2	21.0	20.2	20.6	27.0	25.7	26.2
12	15.7	14.5	15.1	13.5	10.3	11.6	20.6	20.1	20.3	27.0	25.7	26.3
13	15.8	14.4	15.1	13.1	10.9	11.8	20.5	20.3	20.5	26.8	25.9	26.3
14	15.8	15.0	15.3	13.0	11.7	12.4	21.9	20.5	21.0	26.3	25.9	26.2
15	15.6	14.3	15.3	14.6	13.0	13.8	22.7	21.6	22.1	26.8	25.7	26.1
16	14.8	13.9	14.2	15.0	14.3	14.5	23.4	22.4	22.6	27.3	26.1	26.6
17	14.5	13.4	14.0	17.3	14.8	15.7	23.4	19.9	21.9	27.7	26.5	27.0
18	15.0	13.6	14.4	18.2	16.2	16.9	20.5	18.9	19.7	27.6	26.4	27.0
19	15.6	14.4	14.9	19.3	17.3	18.2	20.1	17.9	19.1	27.9	26.1	27.1
20	15.7	14.3	15.0	17.8	15.6	16.2	21.5	19.0	20.1	27.7	26.5	27.1
21	16.2	14.8	15.5	15.9	14.8	15.3	21.3	19.9	20.6	27.6	26.3	26.8
22	16.2	14.7	15.4	16.1	15.0	15.6	20.8	19.4	20.3	27.2	26.0	26.4
23	15.4	14.1	14.7	16.7	15.6	16.1	21.0	19.2	20.2	27.0	25.9	26.4
24	15.9	14.4	15.2	17.5	16.2	16.9	21.1	20.1	20.6	27.5	26.1	26.6
25	16.9	15.4	16.2	18.6	17.3	17.9	21.5	20.8	21.1	28.1	26.6	27.1
26	17.2	16.7	16.9	19.6	18.2	19.0	21.8	20.9	21.3	29.0	27.2	27.9
27	16.9	16.3	16.7	20.4	19.3	19.9	22.9	21.6	22.1	29.3	27.5	28.3
28	17.3	16.5	16.9	21.1	20.1	20.5	23.4	22.3	22.8	30.0	28.6	29.1
29	---	---	---	21.7	20.5	21.0	23.4	20.9	22.1	30.3	29.3	29.7
30	---	---	---	22.2	20.9	21.4	22.9	20.9	21.8	31.2	29.3	30.1
31	---	---	---	22.5	21.1	21.7	---	---	---	30.8	28.5	29.8
MONTH	17.3	12.0	14.9	22.5	10.3	16.4	23.4	17.9	21.0	31.2	21.7	26.4

CALCASIEU RIVER BASIN

08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	30.7	28.2	29.7	31.0	29.3	30.1	33.0	30.8	31.8	---	---	---
2	30.5	28.1	29.4	31.0	29.4	30.2	33.1	31.0	32.0	---	---	---
3	30.3	28.5	29.5	30.8	29.8	30.3	32.7	31.0	31.6	---	---	---
4	29.9	28.6	29.0	31.2	29.7	30.3	32.2	30.9	31.5	---	---	---
5	30.0	29.0	29.5	31.8	29.8	30.6	32.8	30.9	31.7	30.8	29.9	30.4
6	29.8	27.2	28.9	32.5	29.9	31.0	32.6	31.2	31.7	29.9	29.0	29.7
7	28.1	26.8	27.5	32.2	29.9	30.8	31.5	29.9	30.8	29.2	28.6	28.9
8	27.9	26.8	27.3	32.5	30.2	31.1	30.7	29.7	30.3	28.7	28.3	28.5
9	28.8	27.7	28.0	32.1	30.4	31.1	31.0	30.0	30.5	31.3	27.5	28.2
10	29.6	28.2	28.6	31.9	30.0	31.0	31.8	30.9	31.2	32.3	26.4	29.8
11	29.5	28.5	28.9	31.5	29.6	30.4	32.6	31.1	31.6	33.7	25.9	28.7
12	29.9	28.9	29.2	31.2	29.6	30.3	32.7	31.1	31.8	32.6	25.8	27.4
13	29.9	29.1	29.5	30.9	29.7	30.1	32.6	31.5	32.0	33.2	26.3	29.3
14	29.8	28.7	29.1	30.5	28.7	29.6	32.2	29.4	30.8	33.8	27.1	30.3
15	29.8	28.7	29.2	30.4	28.7	29.3	30.1	28.9	29.6	33.4	27.1	29.9
16	30.5	29.2	29.6	31.5	29.5	30.3	30.9	29.4	30.3	---	---	---
17	30.5	29.7	30.1	32.1	30.3	31.0	30.6	30.1	30.2	28.3	26.8	27.4
18	30.8	29.9	30.2	32.0	30.2	31.0	31.7	30.1	30.6	28.3	27.2	27.7
19	31.2	30.0	30.5	32.5	30.4	31.2	31.8	30.5	30.9	29.6	27.7	28.1
20	31.5	30.3	30.7	33.1	30.7	31.6	31.2	30.5	30.8	29.4	28.4	28.9
21	31.5	30.1	30.7	32.4	30.9	31.6	30.9	29.2	30.3	31.0	29.2	29.8
22	32.1	30.3	30.9	32.2	30.9	31.4	29.5	28.8	29.2	31.9	28.9	30.6
23	32.1	30.7	31.2	32.0	31.0	31.4	29.8	28.6	29.1	29.8	29.0	29.5
24	32.2	31.1	31.5	32.1	31.1	31.4	30.8	29.2	29.9	30.0	28.8	29.5
25	32.1	30.9	31.5	32.4	31.3	31.8	---	---	---	30.1	29.3	29.8
26	30.9	29.5	30.2	32.3	31.2	31.6	---	---	---	30.3	29.2	29.8
27	29.5	28.5	29.0	32.1	30.8	31.3	---	---	---	30.5	29.1	30.0
28	---	---	---	32.4	31.0	31.6	---	---	---	30.2	29.2	29.7
29	---	---	---	32.5	31.1	31.7	---	---	---	29.8	28.4	29.2
30	---	---	---	32.2	31.5	31.8	---	---	---	---	---	---
31	---	---	---	32.3	30.7	31.6	---	---	---	---	---	---
MONTH	32.2	26.8	29.6	33.1	28.7	30.9	---	---	---	33.8	25.8	29.2

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 3219'38", long 9421'12", Panola County, Hydrologic Unit 12010002, on downstream side of highway embankment near right end of downstream bridge on U.S. Highway 59, 0.9 mi upstream from Eightmile Creek, 6.0 mi upstream from Farm Road 1794, 8.4 mi northeast of Beckville, 12.4 mi downstream from State Highway 43 and at mile 327.0.

DRAINAGE AREA.--3,589 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct 1938 to current year. Prior to Oct 1978, published as "near Tatum" (station 08022000).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 190.00 ft above sea level. Prior to Oct 1, 1978, at site 12.4 mi upstream at datum 14.18 ft higher. Prior to Sep 21, 1945, nonrecording gage. Satellite telemeter at station.

REMARKS.--No estimated daily discharges. Records good. Since water year 1961, at least 10% of contributing drainage area has been regulated by eight major upstream reservoirs, with a combined capacity of 1,701,000 acre-ft. There are several diversions above this station and below Lake Tawakoni for municipal, industrial and for oil field operations. Low flows are sustained by wastewater effluents that are returned to the river above the station. Flow may also be slightly affected at times by discharge from one floodwater-retarding structure with a detention capacity of 3,570 acre-ft. This structure controls runoff from a 9.70 mi² area in the Mill Creek drainage basin.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--22 years (water years 1939-60) prior to regulation by Lake Tawakoni, 2,663 ft³/s (1,929,000 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD PRIOR TO REGULATION (WATER YEARS 1939-60).--Maximum discharge, 123,000 ft³/s Apr 4, 1945 (gage height, 33.80 ft), site and datum then in use, from graph based on gage readings, from rating curve extended above 66,000 ft³/s on basis of partly estimated discharge measurement of 88,900 ft³/s; minimum observed, 2.4 ft³/s Aug 11, 1964. Maximum stage since at least 1884, that of Apr 4, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of about 2 ft lower than flood of Apr 4, 1945. These dates and gage heights are based on information for stations near Tatum (08022000, discontinued) and at Logansport, La. (08022500).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	649	1720	5290	8860	10900	8040	668	187	65	23	41
2	143	518	1590	5260	8320	9660	7670	633	176	64	20	55
3	132	442	1760	5320	7680	8410	6350	622	186	54	20	56
4	138	385	2180	5420	6870	7320	4750	613	178	77	35	43
5	119	348	1950	5510	5900	6510	3570	587	212	87	36	34
6	112	604	1560	6260	4970	6140	2890	575	413	83	51	28
7	121	773	1340	9920	4230	5720	2430	542	505	73	182	26
8	133	549	1700	12700	3700	5540	2140	480	363	68	150	24
9	153	414	2390	13300	3140	5450	2250	467	330	72	108	31
10	150	384	2390	13200	3050	5340	2120	443	386	59	88	35
11	135	446	2010	12900	7020	4910	1760	398	340	52	69	32
12	134	468	1850	13000	9780	4380	1490	370	289	53	71	63
13	156	555	1690	13100	9500	3780	1360	363	242	64	70	287
14	336	919	1540	13000	8780	3310	1290	354	192	64	71	690
15	462	954	1350	12500	8230	3100	1210	322	164	60	122	1180
16	430	823	1130	12200	7780	3680	1080	299	162	45	123	2860
17	395	757	1000	11800	7710	6890	974	309	149	36	95	5370
18	340	708	904	11600	7830	8650	872	304	122	45	69	6360
19	301	640	756	11600	7650	7800	785	301	103	56	59	6240
20	274	574	726	11600	7530	6780	706	279	88	46	57	4980
21	243	534	1180	11800	7480	6180	676	243	77	52	63	2810
22	220	488	2240	12200	7590	5820	753	218	81	50	71	1650
23	259	450	2440	12700	8200	5730	813	203	82	43	57	1190
24	1740	416	3350	12900	8440	5890	752	211	75	46	49	884
25	3250	381	4780	12700	8420	6090	700	211	64	62	53	652
26	2440	375	5210	12400	9280	6370	651	194	57	53	58	485
27	1650	372	5160	12000	11400	6590	658	177	59	37	48	362
28	1390	375	5430	11500	11800	6760	759	219	68	32	36	291
29	1150	886	5440	10900	---	6930	800	374	70	41	30	269
30	951	1790	5310	10300	---	7030	738	295	60	43	27	241
31	786	---	5280	9540	---	7530	---	233	---	31	29	---
TOTAL	18406	17977	77356	334420	211140	195190	61037	11507	5480	1713	2040	37269
MEAN	594	599	2495	10790	7541	6296	2035	371	183	55.3	65.8	1242
MAX	3250	1790	5440	13300	11800	10900	8040	668	505	87	182	6360
MIN	112	348	726	5260	3050	3100	651	177	57	31	20	24
AC-FT	36510	35660	153400	663300	418800	387200	121100	22820	10870	3400	4050	73920

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1998z, BY WATER YEAR (WY)

MEAN	604	1612	3180	3313	4030	4574	3969	4805	2744	940	325	449
MAX	4325	8221	9866	10960	11930	13180	11330	21010	11580	3834	1725	3434
(WY)	1974	1975	1975	1992	1975	1997	1990	1966	1989	1992	1979	1974
MIN	42.5	82.1	144	239	322	317	355	317	77.5	32.1	36.7	33.8
(WY)	1964	1964	1966	1964	1996	1996	1971	1972	1971	1964	1969	1985

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1961 - 1998z	
ANNUAL TOTAL	1434270	973535				
ANNUAL MEAN	3930		2667		2538	
HIGHEST ANNUAL MEAN					4857	1992
LOWEST ANNUAL MEAN					311	1964
HIGHEST DAILY MEAN	17300	Mar 4	13300	Jan 9	48100	May 2 1966
LOWEST DAILY MEAN	108	Sep 16	20	Aug 2	2.4	Aug 11 1964
ANNUAL SEVEN-DAY MINIMUM	121	Sep 11	30	Jul 30	3.8	Aug 7 1964
INSTANTANEOUS PEAK FLOW			13300	Jan 9	49400	May 2 1966
INSTANTANEOUS PEAK STAGE			26.71	Jan 9	38.87	Mar 30 1989
ANNUAL RUNOFF (AC-FT)	2845000		1931000		1839000	
10 PERCENT EXCEEDS	11700		8430		7530	
50 PERCENT EXCEEDS	1720		633		862	
90 PERCENT EXCEEDS	178		53		88	

z Period of regulated streamflow.

SABINE RIVER MAIN STEM

08022500 SABINE RIVER AT LOGANSFORT, LA

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, Louisiana-Shelby County, Texas State line at Logansport, Hydrologic Unit 12010004, on left bank just upstream from bridge on U.S. Highway 84, 3 mi upstream from Bayou Castor, 111 mi upstream from Toledo Bend Dam, and at mile 267.1.

DRAINAGE AREA.--4,842 mi²

PERIOD OF RECORD.--Gage-height record March 1968 to current year. Daily discharge record July 1903 to February 1968.

REVISED RECORDS.--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft above National Geodetic Vertical Datum of 1929. July 1, 1903, to Sept. 30, 1956, nonrecording gage, Oct. 1, 1956, to Jan. 16, 1964, water-stage recorder 4,600 ft upstream Jan. 16, 1964, to Dec. 10, 1968, water-stage recorder 4,700 ft upstream. All gages to present datum except prior to Dec. 31, 1906 when datum was 2.00 ft lower.

REMARKS.--Gage-height records good, except those for missing periods, which were not published. Station discontinued as a daily streamflow station on Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Ten major reservoirs, with a combined capacity of 1,824,000 acre-ft, largely regulate the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08018500. Numerous diversions above station for oil field operations, municipal, and industrial uses. Gage-height telemeter at station.

AVERAGE DISCHARGE.--64 years (water years 1904-67), 3,208 ft³/s (2,324,000 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (1968-91), 34.78 ft Apr. 16, 1991; minimum since initial filling of Toledo Bend Reservoir in June 1968, 16.85 ft Nov. 9, 1987. Maximum discharge (1903-67), 92,000 ft³/s Apr. 8, 1945 (gage height, 44.07 ft, from floodmark); minimum, 16 ft³/s Sept. 26-28, Oct. 3, 4, 1939. Maximum stage since at least 1884, that of Apr. 8, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of 39.4 ft, present site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.44 ft Mar. 11 at 1330 hours; minimum, 17.29 ft at 0230 on Oct. 22.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.96	19.48	17.96	18.39	19.98	26.14	23.33	23.02	24.99	23.30	24.05	22.46
2	17.51	19.57	17.93	18.42	19.82	26.14	23.32	23.11	24.88	23.14	24.10	22.61
3	17.60	19.68	18.10	18.15	19.99	26.05	22.70	23.42	24.61	23.10	24.27	22.52
4	17.74	19.86	18.02	18.19	19.82	25.84	22.74	23.63	24.48	23.12	24.23	22.52
5	17.74	19.71	17.92	18.54	19.71	25.90	22.51	23.82	24.47	23.09	24.09	22.64
6	17.72	19.44	17.82	18.12	19.78	25.92	22.55	23.98	24.32	23.00	23.81	22.25
7	17.71	18.54	17.78	17.79	19.88	25.87	22.68	23.96	24.22	23.09	23.67	22.19
8	17.67	17.99	17.72	18.06	19.91	25.75	22.81	23.90	24.30	22.97	24.01	22.06
9	17.54	17.81	18.08	18.18	19.67	26.06	22.81	23.91	24.32	22.90	24.09	21.90
10	17.72	17.73	17.86	18.07	21.42	26.34	22.87	23.95	24.23	22.95	23.97	21.83
11	17.82	17.77	17.95	18.08	22.83	26.35	22.87	24.03	24.13	22.78	23.92	21.79
12	17.87	17.76	18.28	18.06	22.51	26.20	22.86	24.06	24.16	22.98	23.75	21.74
13	17.79	17.78	18.10	18.07	22.27	26.10	23.11	24.24	24.08	23.00	23.65	21.68
14	17.91	17.80	18.26	18.11	22.11	26.07	23.28	24.43	24.11	22.74	23.67	21.63
15	17.88	17.81	18.43	18.22	21.90	26.02	23.23	24.46	23.99	22.86	23.45	21.52
16	17.84	17.86	18.56	18.44	21.78	25.90	23.47	24.74	23.90	22.91	23.43	21.43
17	17.82	18.35	18.59	18.27	21.67	25.88	23.48	24.90	23.77	23.15	23.38	21.35
18	18.00	19.00	18.59	18.34	21.75	25.60	23.39	25.19	23.69	23.33	23.45	21.32
19	18.02	18.80	18.75	18.47	21.72	25.50	23.27	25.46	23.70	23.33	23.33	21.27
20	17.84	18.28	18.58	18.26	21.74	25.26	23.23	25.56	23.64	23.44	23.38	21.16
21	17.65	18.10	18.78	18.29	22.19	24.95	23.11	25.47	23.65	23.53	23.27	21.12
22	17.90	18.07	18.75	18.30	23.44	24.82	23.13	25.22	23.75	23.46	23.48	20.62
23	18.29	18.12	18.87	18.34	24.02	24.70	23.08	25.03	23.80	23.49	23.45	21.00
24	18.47	17.99	18.86	18.44	24.66	24.40	23.18	24.91	23.52	23.62	23.40	20.71
25	18.54	17.95	18.86	18.50	24.91	24.36	23.22	24.94	23.67	23.74	23.32	20.74
26	18.61	17.99	19.02	18.69	25.52	24.35	23.14	24.79	23.69	23.73	23.32	20.66
27	18.72	18.16	18.91	19.83	25.90	23.97	23.19	24.78	23.58	23.61	23.12	20.59
28	19.00	18.12	18.64	20.67	25.91	23.83	23.04	24.82	23.42	23.73	22.78	20.48
29	18.90	18.03	18.58	20.96	---	23.84	23.10	24.99	23.39	23.84	22.72	20.43
30	18.81	17.99	18.53	20.59	---	23.46	22.78	24.88	23.25	23.86	22.70	20.36
31	19.21	---	18.55	20.24	---	23.42	---	24.91	---	23.98	22.58	---
MAX	19.21	19.86	19.02	20.96	25.91	26.35	23.48	25.56	24.99	23.98	24.27	22.64
MIN	17.51	17.73	17.72	17.79	19.67	23.42	22.51	23.02	23.25	22.74	22.58	20.36

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW 1/4 SE 1/4 sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi upstream from Bayou Castor, 2.9 mi west of Stanley, and 3.2 mi east of Logansport.

DRAINAGE AREA.--72.5 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft above sea level.

REMARKS.-- Records good except for days of estimated daily discharge which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 24	2100	2350	12.11	Feb. 12	0900	927	10.51
Dec. 24	2200	2450	12.19	Feb. 17	1730	803	10.29
Jan. 7	0900	*5480	*13.87	Feb. 27	1600	1370	11.14
Jan. 13	0800	1420	11.20	Mar. 17	2400	1250	10.99
Feb. 2	1100	1010	10.65				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	12	133	33	237	222	160	19	1.8	e.12	.00	6.0
2	1.2	16	27	29	964	74	94	16	1.5	e.05	.00	4.7
3	1.2	10	158	28	791	49	34	13	1.2	e.03	.00	3.8
4	1.2	7.8	385	28	394	38	25	12	1.1	e.01	.00	3.0
5	1.1	7.7	315	33	115	35	21	11	2.8	e.00	.00	2.3
6	.98	8.1	54	749	63	32	18	10	e2.9	e.00	.00	1.9
7	1.3	14	28	4000	45	51	16	11	e2.2	e.00	.00	1.5
8	2.5	12	263	1620	36	273	15	10	e1.6	e.00	.00	1.2
9	2.6	9.4	421	686	33	500	14	9.4	e1.1	e.00	.00	.98
10	2.2	9.2	250	261	95	270	13	9.6	e.90	e.00	.00	.77
11	2.0	9.4	59	97	594	73	12	8.8	e.75	e.00	.00	1.5
12	2.0	10	29	606	820	44	14	7.9	e.65	e.00	.00	21
13	3.1	13	21	1210	349	35	14	7.1	e.55	e.00	.00	127
14	3.5	18	15	612	89	32	14	7.1	e1.4	.00	.00	111
15	4.0	20	13	282	66	35	14	7.1	e.70	.00	17	92
16	4.4	14	11	303	354	183	14	7.0	e.51	.00	8.4	28
17	3.8	11	9.9	155	694	957	14	6.6	e.49	.00	5.1	17
18	3.2	10	9.2	76	647	949	16	6.2	e.46	.00	3.7	13
19	2.8	9.4	8.4	55	307	348	19	5.6	e.38	.00	2.6	11
20	2.7	9.3	8.3	45	120	83	23	5.0	e.28	.00	1.9	10
21	2.6	10	702	40	83	48	20	4.1	e.21	.00	1.4	9.0
22	2.8	8.8	1260	170	262	36	18	3.8	e.15	.00	1.2	7.9
23	85	7.8	756	418	682	30	15	3.5	e.11	.00	1.1	7.3
24	1950	6.6	1780	254	661	27	14	3.5	e.13	.00	.88	6.9
25	1330	5.9	1430	79	213	25	14	3.4	e.16	.00	.70	6.6
26	462	5.2	562	53	459	23	13	3.3	e.13	.00	.51	6.1
27	46	5.3	174	46	1240	22	16	3.1	e.12	.00	.34	5.7
28	18	21	110	41	780	21	48	2.6	e.13	.00	.18	5.3
29	13	239	73	35	---	20	56	2.4	e.16	.00	.08	4.9
30	11	360	52	31	---	20	27	2.3	e.10	.00	9.4	4.7
31	10	---	39	30	---	39	---	2.0	---	.00	8.8	---
TOTAL	3977.38	899.9	9155.8	12105	11193	4594	805	223.4	24.67	0.21	63.29	522.05
MEAN	128	30.0	295	390	400	148	26.8	7.21	.82	.007	2.04	17.4
MAX	1950	360	1780	4000	1240	957	160	19	2.9	.12	17	127
MIN	.98	5.2	8.3	28	33	20	12	2.0	.10	.00	.00	.77
AC-FT	7890	1780	18160	24010	22200	9110	1600	443	49	.4	126	1040
CFSM	1.77	.41	4.07	5.39	5.51	2.04	.37	.10	.01	.00	.03	.24
IN.	2.04	.46	4.70	6.21	5.74	2.36	.41	.11	.01	.00	.03	.27

e Estimated

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1998, BY WATER YEAR (WY)

MEAN	23.7	34.6	115	144	225	138	106	100	79.7	18.4	9.90	2.26
MAX	128	220	376	450	514	433	451	388	433	290	125	17.4
(WY)	1998	1987	1983	1991	1987	1997	1991	1990	1989	1989	1997	1998
MIN	.000	.000	.036	.39	1.94	.90	.49	.043	.033	.000	.000	.000
(WY)	1991	1996	1982	1981	1996	1996	1981	1996	1996	1984	1985	1982

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1981 - 1998
ANNUAL TOTAL	59809.96	43563.70	
ANNUAL MEAN	164	119	82.3
HIGHEST ANNUAL MEAN			156
LOWEST ANNUAL MEAN			3.90
HIGHEST DAILY MEAN	4190	4000	6230
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.01	.00	.00
INSTANTANEOUS PEAK FLOW		5480	9450
INSTANTANEOUS PEAK STAGE		13.87	15.37
INSTANTANEOUS LOW FLOW		.00	No flow at times most years
INSTANTANEOUS LOW STAGE		2.27	Aug 12, 13, 14
ANNUAL RUNOFF (AC-FT)	118600	86410	59590
ANNUAL RUNOFF (CFSM)	2.26	1.65	1.13
ANNUAL RUNOFF (INCHES)	30.69	22.35	15.42
10 PERCENT EXCEEDS	489	351	186
50 PERCENT EXCEEDS	5.9	10	3.6
90 PERCENT EXCEEDS	.50	.00	.00

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.52	4.07	6.23	4.31	6.58	7.17	6.68	3.84	2.91	2.99	2.32	3.25
2	3.52	4.26	4.59	4.19	10.57	5.34	5.64	3.72	2.88	2.96	2.31	3.17
3	3.51	4.00	6.42	4.15	10.24	4.77	4.35	3.61	2.84	2.93	2.30	3.10
4	3.51	3.89	8.65	4.15	8.63	4.47	4.03	3.55	2.82	2.90	2.29	3.03
5	3.48	3.89	8.04	4.31	6.07	4.37	3.89	3.51	3.00	2.87	2.29	2.97
6	3.44	3.91	5.19	8.37	5.12	4.28	3.78	3.50	3.12	2.84	2.28	2.92
7	3.50	4.16	4.61	13.13	4.66	4.74	3.73	3.50	3.12	2.80	2.28	2.88
8	3.75	4.08	7.64	11.38	4.42	7.71	3.70	3.48	3.11	2.77	2.28	2.84
9	3.77	3.97	8.90	9.99	4.31	9.39	3.65	3.44	3.09	2.73	2.28	2.80
10	3.71	3.97	7.48	7.58	5.24	7.63	3.59	3.45	3.07	2.71	2.28	2.77
11	3.68	3.97	5.31	5.80	9.68	5.32	3.58	3.41	3.05	2.68	2.28	2.85
12	3.67	4.00	4.66	9.39	10.31	4.64	3.64	3.37	3.03	2.65	2.27	3.91
13	3.84	4.13	4.41	10.92	8.19	4.37	3.64	3.32	3.01	2.64	2.27	5.81
14	3.89	4.32	4.22	9.74	5.64	4.29	3.64	3.32	2.98	2.63	2.28	6.01
15	3.94	4.39	4.13	7.87	5.18	4.37	3.64	3.32	2.97	2.62	3.56	5.66
16	3.99	4.19	4.05	8.05	8.34	6.24	3.65	3.32	3.08	2.63	3.39	4.14
17	3.93	4.06	4.00	6.61	10.03	10.51	3.66	3.29	3.08	2.61	3.20	3.76
18	3.85	4.01	3.96	5.39	9.93	10.52	3.73	3.27	3.11	2.60	3.09	3.61
19	3.80	3.97	3.92	4.92	7.97	8.19	3.82	3.23	3.13	2.58	3.00	3.53
20	3.79	3.97	3.92	4.68	6.18	5.53	3.98	3.19	3.13	2.55	2.93	3.47
21	3.77	4.01	9.49	4.54	5.52	4.75	3.88	3.13	3.11	2.54	2.87	3.42
22	3.80	3.95	11.00	6.60	7.33	4.41	3.78	3.10	3.10	2.52	2.84	3.37
23	4.75	3.89	10.18	8.87	10.02	4.24	3.70	3.08	3.08	2.50	2.82	3.34
24	11.73	3.83	11.54	7.51	9.94	4.11	3.65	3.08	3.06	2.48	2.78	3.31
25	11.02	3.78	11.15	5.45	7.13	4.03	3.65	3.07	3.04	2.46	2.75	3.29
26	8.91	3.73	9.52	4.89	8.60	3.96	3.62	3.07	3.01	2.44	2.72	3.26
27	5.02	3.74	6.85	4.70	10.97	3.92	3.72	3.05	3.01	2.44	2.69	3.24
28	4.31	4.17	6.03	4.55	10.18	3.89	4.73	3.00	3.05	2.42	2.66	3.21
29	4.15	7.49	5.32	4.37	---	3.87	4.93	2.98	3.03	2.39	2.64	3.19
30	4.06	8.47	4.85	4.27	---	3.87	4.10	2.96	3.01	2.37	3.30	3.17
31	4.01	---	4.51	4.21	---	4.43	---	2.94	---	2.35	3.41	---
MAX	11.73	8.47	11.54	13.13	10.97	10.52	6.68	3.84	3.13	2.99	3.56	6.01
MIN	3.44	3.73	3.92	4.15	4.31	3.87	3.58	2.94	2.82	2.35	2.27	2.77

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in sec.38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi east of Benson, and 3.9 mi upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi².

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63, October 1977 to current year.

REVISED RECORDS.--WDR LA-80-1: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft above sea level. Oct. 29, 1953 to Sept. 30, 1968, crest-stage gage at same site and datum.

REMARKS.--Records good above 50 cfs and fair below except for estimated discharge, which is poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 24	2000	4,230	16.84	Feb. 2	0830	6,940	17.51
Jan. 7	0900	*11,800	*18.59				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	14	e140	e91	257	229	79	19	.62	e.02	.00	.34
2	3.0	13	e50	e88	3940	84	37	11	.48	e.01	.00	.19
3	2.9	12	e200	e85	1090	61	22	8.4	.43	.00	.00	.11
4	2.9	11	e450	e83	456	52	17	6.7	.35	.00	.00	.06
5	2.9	11	e350	e81	132	49	13	6.7	.59	.00	.00	.04
6	2.9	12	e122	807	84	46	12	5.8	1.7	.00	.00	.03
7	2.8	16	e45	8550	63	44	11	5.0	1.2	.00	1.8	.03
8	2.8	14	e340	1930	51	218	10	4.6	.87	.00	.66	.02
9	2.8	13	e475	696	45	484	9.3	4.3	.68	.00	.35	.00
10	2.8	12	e310	225	61	263	8.2	4.2	.50	.00	.32	.00
11	2.8	13	e100	115	337	73	7.5	3.6	.42	.00	.42	.15
12	2.8	15	e30	462	433	50	7.4	3.2	.38	.00	.59	.88
13	23	18	e24	981	148	43	7.0	3.0	.34	.00	.94	265
14	41	28	e19	556	77	40	6.6	2.7	.74	.00	2.3	231
15	14	25	e16	372	74	42	6.5	2.5	.30	.00	6.0	84
16	7.1	19	e14	357	561	136	6.6	e2.3	.27	.00	3.9	48
17	5.2	16	e12	131	916	848	6.4	e2.2	.27	.00	2.0	30
18	4.3	16	e11	81	724	847	9.1	e2.0	.21	.00	.92	15
19	4.2	17	e10	64	372	330	26	e1.8	.10	.00	1.6	7.5
20	3.3	20	e9.5	53	137	90	26	e1.6	.04	.00	.91	4.6
21	3.1	21	e1000	92	107	55	13	e1.6	e.02	.00	.57	3.0
22	3.0	18	e1600	1160	245	43	12	e1.5	e.01	.00	.41	2.5
23	25	17	e1050	1000	692	35	7.9	e1.3	e.01	.00	.25	1.8
24	1970	15	e2000	426	627	30	6.1	e1.2	e.02	.00	2.1	1.5
25	1340	14	e1600	112	231	27	5.4	e1.1	e.04	.00	2.2	1.0
26	287	14	e600	83	353	24	4.8	e.90	e.02	.00	.31	.78
27	54	13	e275	76	878	24	5.5	.88	e.01	.00	.17	4.2
28	30	e53	e163	60	695	21	65	.92	e.02	.00	.11	3.2
29	23	e275	e132	55	---	18	153	.91	e.04	.00	.09	1.5
30	20	e400	e111	51	---	22	34	.79	e.02	.00	1.9	1.5
31	16	---	e98	47	---	34	---	.71	---	.00	1.1	---
TOTAL	3907.6	1155	11356.5	18970	13786	4362	634.3	112.41	10.70	0.03	31.92	795.05
MEAN	126	38.5	366	612	492	141	21.1	3.63	.36	.001	1.03	26.5
MAX	1970	400	2000	8550	3940	848	153	19	1.7	.02	6.0	265
MIN	2.8	11	9.5	47	45	18	4.8	.71	.01	.00	.00	.00
AC-FT	7750	2290	22530	37630	27340	8650	1260	223	21	.06	63	1580
CFSM	1.57	.48	4.57	7.63	6.14	1.75	.26	.05	.00	.00	.01	.33
IN.	1.81	.54	5.27	8.80	6.39	2.02	.29	.05	.00	.00	.01	.37

e Estimated

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1998, BY WATER YEAR (WY)

MEAN	17.7	36.9	125	163	234	151	144	119	78.6	20.1	9.27	12.0
MAX	126	305	478	612	592	347	544	530	574	288	65.8	85.0
(WY)	1998	1987	1983	1998	1983	1995	1991	1983	1989	1989	1996	1991
MIN	.000	.000	.000	.18	1.76	8.84	1.50	2.11	.000	.000	.000	.000
(WY)	1981	1981	1981	1981	1981	1996	1981	1988	1988	1978	1980	1980

SUMMARY STATISTICS

FOR 1998 WATER YEAR

WATER YEARS 1978 - 1998

ANNUAL TOTAL	55121.51		
ANNUAL MEAN	151		91.8
HIGHEST ANNUAL MEAN		190	1989
LOWEST ANNUAL MEAN		10.6	1981
HIGHEST DAILY MEAN	8550	Jan 7	10700 May 18 1989
LOWEST DAILY MEAN	.00	many days	.00 most years
ANNUAL SEVEN-DAY MINIMUM	.00	many days	.00 most years
INSTANTANEOUS PEAK FLOW	11800	Jan 7	21300 Sep 20 1958
INSTANTANEOUS PEAK STAGE	18.59	Jan 7	21.19 May 18 1989
INSTANTANEOUS LOW FLOW	.00	many days	No flow at times most years
INSTANTANEOUS LOW STAGE	5.67	Aug 5,6	
ANNUAL RUNOFF (AC-FT)	109300		66500
ANNUAL RUNOFF (CFSM)	1.88		1.14
ANNUAL RUNOFF (INCHES)	25.57		15.55
10 PERCENT EXCEEDS	372		197
50 PERCENT EXCEEDS	11		6.7
90 PERCENT EXCEEDS	.00		.00

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.67	7.45	---	---	11.13	12.35	10.01	7.90	6.39	6.19	5.69	6.31
2	6.66	7.37	---	---	16.72	10.13	8.74	7.42	6.36	6.17	5.69	6.26
3	6.65	7.29	---	---	15.68	9.47	8.08	7.22	6.34	6.16	5.68	6.23
4	6.65	7.23	---	---	14.19	9.18	7.78	7.08	6.32	6.16	5.68	6.21
5	6.65	7.20	---	---	11.18	9.07	7.58	7.08	6.37	6.14	5.68	6.21
6	6.65	7.27	---	13.05	10.12	8.97	7.52	7.00	6.56	6.11	5.76	6.20
7	6.64	7.53	---	17.87	9.54	8.89	7.41	6.93	6.48	6.08	6.55	6.20
8	6.64	7.43	---	16.09	9.14	12.15	7.36	6.89	6.43	6.05	6.39	6.20
9	6.65	7.33	---	15.14	8.93	14.48	7.29	6.86	6.40	6.01	6.32	6.19
10	6.64	7.33	---	12.39	9.35	12.65	7.21	6.85	6.36	5.98	6.31	6.19
11	6.64	7.35	---	10.89	13.48	9.80	7.15	6.79	6.34	5.95	6.34	6.24
12	6.64	7.49	---	13.96	14.19	9.11	7.14	6.75	6.33	5.92	6.38	9.75
13	7.93	7.66	---	15.62	11.37	8.83	7.11	6.72	6.32	5.93	6.45	12.97
14	8.81	8.22	---	14.67	9.93	8.73	7.07	6.68	6.40	5.92	6.56	12.56
15	7.53	8.07	---	13.79	9.82	8.81	7.06	6.66	6.30	5.91	7.01	10.12
16	7.05	7.75	---	13.66	14.59	10.38	7.07	6.64	6.29	5.89	6.82	9.14
17	6.89	7.58	---	11.16	15.57	15.43	7.05	6.64	6.29	5.87	6.60	8.47
18	6.80	7.56	---	10.05	15.31	15.46	7.26	6.63	6.27	5.85	6.44	7.64
19	6.79	7.59	---	9.57	13.68	13.26	8.25	6.63	6.23	5.83	6.55	7.15
20	6.70	7.78	---	9.21	11.32	10.27	8.28	6.62	6.21	5.80	6.44	6.89
21	6.68	7.84	---	9.73	10.68	9.37	7.57	6.62	6.19	5.77	6.38	6.73
22	6.67	7.70	---	15.73	12.15	8.98	7.45	6.61	6.17	5.75	6.34	6.67
23	7.38	7.62	---	15.63	15.26	8.71	7.18	6.61	6.16	5.73	6.28	6.58
24	15.97	7.52	---	13.94	15.04	8.50	7.03	6.61	6.16	5.73	6.48	6.53
25	15.80	7.43	---	10.79	12.43	8.35	6.96	6.60	6.18	5.72	6.60	6.46
26	12.49	7.40	---	10.10	13.10	8.21	6.91	6.51	6.17	5.72	6.30	6.42
27	9.20	7.37	---	9.92	15.53	8.21	6.97	6.44	6.17	5.71	6.25	6.81
28	8.29	---	---	9.44	15.17	8.02	9.24	6.44	6.17	5.71	6.23	6.74
29	7.96	---	---	9.26	---	7.89	11.49	6.44	6.18	5.71	6.22	6.54
30	7.77	---	---	9.14	---	8.07	8.64	6.42	6.20	5.70	6.54	6.53
31	7.58	---	---	9.00	---	8.59	---	6.41	---	5.70	6.46	---
MAX	15.97	---	---	---	16.72	15.46	11.49	7.90	6.56	6.19	7.01	12.97
MIN	6.64	---	---	---	8.93	7.89	6.91	6.41	6.16	5.70	5.68	6.19

SABINE RIVER MAIN STEM

08025350 TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010004, in powerhouse at right end of Toledo Bend Dam on Sabine River, 15 mi northeast of Burkeville, and at mile 156.5.

DRAINAGE AREA.--7,178 mi².

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by Sabine River Authority). Prior to Jul 20, 1967, nonrecording gage at same site and datum. Jul 20, 1967, to Jun 30, 1973, recording gage at right end of spillway 1.6 mi north of present site and at same datum. Satellite telemeter at station.

REMARKS.--Records good. The reservoir is formed by a rolled earthfill dam. Closure of embankment completed and deliberate impoundment began Oct 3, 1966. The reservoir is operated for hydro-electric power generation and water conservation. Releases during high inflow periods are controlled by eleven 40 x 28-foot tainter gates. An 8.33 x 12-foot gated conduit through the dam is used for low-flow releases. Two additional 20-inch-diameter conduits, that bypass the larger conduit, may also be used for low-flow releases. Water for turbines is admitted through four 16.75 x 29-foot penstocks and controlled by vertically operated caterpillar-type gates. The capacity table is based on U.S. Geological Survey topographic maps. For statement regarding regulation by upstream reservoirs, see station 08020000. Figures given herein represent total contents. Data regarding the dam and reservoir are given in the following table:

	Elevation (feet)
Top of dam	185.0
Design flood	175.3
Top of gates	173.0
Top of power drawdown storage	172.0
Top of power head storage	162.2
Crest of spillway (controlled)	145.0
Lowest gated outlet (invert)	100.0

COOPERATION.--Capacity table furnished by the Sabine River Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,840,000 acre-ft, May 18, 1989 (elevation, 173.95 ft); minimum since initial filling of reservoir in Jun 1968, 3,290,000 acre-ft, Nov 14, 15, 1987 and Oct 20, 1994 (elevation, 164.78 ft).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,664,000 acre-ft, Jan 22 (elevation, 173.02 ft); minimum contents, 3,113,000 acre-ft, Sep 10 (elevation, 163.56 ft).

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4009000	3973000	3864000	4060000	4586000	4625000	4374000	4236000	4075000	3869000	3495000	3246000
2	4004000	3963000	3849000	4050000	4620000	4625000	4358000	4226000	4050000	3844000	3482000	3229000
3	3994000	3938000	3913000	4035000	4620000	4581000	4379000	4241000	4055000	3844000	3465000	3213000
4	3994000	3899000	3894000	4019000	4608000	4570000	4336000	4231000	4045000	3839000	3447000	3196000
5	3989000	3903000	3903000	4009000	4603000	4581000	4326000	4210000	4075000	3839000	3429000	3188000
6	3984000	3903000	3894000	4210000	4581000	4553000	4283000	4210000	4065000	3829000	3429000	3197000
7	3999000	3864000	3903000	4326000	4559000	4575000	4283000	4220000	4055000	3809000	3432000	3184000
8	3989000	3864000	3908000	4428000	4542000	4614000	4288000	4200000	4035000	3795000	3425000	3178000
9	3994000	3864000	3918000	4444000	4509000	4592000	4273000	4226000	4035000	3775000	3422000	3172000
10	3989000	3874000	3948000	4476000	4548000	4548000	4252000	4210000	4009000	3762000	3407000	3151000
11	3973000	3844000	3938000	4482000	4526000	4531000	4220000	4194000	4024000	3751000	3391000	3176000
12	3958000	3829000	3923000	4533000	4537000	4537000	4189000	4189000	4014000	3738000	3381000	3210000
13	4009000	3829000	3918000	4586000	4537000	4487000	4210000	4179000	4004000	3743000	3385000	3327000
14	3994000	3819000	3923000	4620000	4542000	4482000	4200000	4158000	4014000	3742000	3370000	3361000
15	3978000	3824000	3903000	4620000	4575000	4444000	4189000	4168000	4009000	3722000	3375000	3372000
16	3963000	3824000	3889000	4614000	4575000	4471000	4252000	4173000	3984000	3703000	3367000	3378000
17	3948000	3814000	3884000	4603000	4581000	4493000	4226000	4173000	3973000	3689000	3364000	3385000
18	3938000	3834000	3864000	4614000	4575000	4493000	4231000	4168000	3968000	3682000	3349000	3382000
19	3928000	3824000	3849000	4581000	4603000	4548000	4220000	4158000	3953000	3670000	3343000	3391000
20	3923000	3824000	3874000	4564000	4564000	4515000	4220000	4132000	3948000	3655000	3324000	3401000
21	3933000	3834000	3938000	4592000	4553000	4509000	4231000	4126000	3943000	3641000	3325000	3399000
22	3903000	3834000	3943000	4620000	4564000	4498000	4226000	4106000	3958000	3623000	3313000	3402000
23	3933000	3834000	4014000	4597000	4570000	4476000	4220000	4116000	3943000	3600000	3310000	3393000
24	3948000	3824000	4065000	4586000	4559000	4476000	4194000	4111000	3928000	3586000	3303000	3379000
25	4014000	3814000	4106000	4548000	4553000	4460000	4200000	4121000	3918000	3581000	3297000	3367000
26	4045000	3824000	4158000	4597000	4625000	4422000	4189000	4116000	3903000	3577000	3294000	3370000
27	4004000	3809000	4137000	4553000	4631000	4433000	4241000	4111000	3913000	3563000	3284000	3378000
28	3989000	3854000	4158000	4542000	4642000	4422000	4267000	4106000	3899000	3541000	3273000	3372000
29	3978000	3854000	4132000	4553000	---	4395000	4236000	4106000	3894000	3523000	3276000	3351000
30	3958000	3874000	4116000	4553000	---	4379000	4231000	4101000	3884000	3507000	3272000	3337000
31	3948000	---	4091000	4542000	---	4395000	---	4091000	---	3492000	3247000	---
MAX	4045000	3973000	4158000	4620000	4642000	4625000	4379000	4241000	4075000	3869000	3495000	3402000
MIN	3903000	3809000	3849000	4009000	4509000	4379000	4189000	4091000	3884000	3492000	3247000	3151000
(+)	168.97	168.52	169.81	172.36	172.90	171.55	170.62	169.81	168.58	166.12	164.49	165.10
(@)	-61000	-74000	+217000	+451000	+100000	-247000	-164000	-140000	-207000	-392000	-245000	+90000
CAL YR 1997	MAX 4743000		MIN 3806000(@)			+280000						
WTR YR 1998	MAX 4642000		MIN 3151000(@)			-672000						

(+)Elevation, in feet, at end of year.

(@)Change in contents, in acre-feet.

SABINE RIVER MAIN STEM

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010005, in powerhouse at right end of Toledo Bend Dam, 10 mi upstream from Sabine River near Burkeville gage, and at mile 156.5.

DRAINAGE AREA.--7,178 mi².

PERIOD OF RECORD.--October 1971 to current year. Water-quality records.--Chemical and biochemical analyses: October 1967 to September 1986.

GAGE.--Water-stage recorders. Datum of gage is at sea level (levels by Sabine River Authority). Satellite telemeter at station.

REMARKS.--No estimated daily discharges. Records fair. Daily discharges are a combination of releases from various outlets at the dam. Discharges for releases through the turbines are computed using scroll case differential relationships and operation logs. Tainter gate releases, low-flow sluiceway releases, bypass gate releases, and turbine leakages are based on discharge measurements and operation logs. Since installation of gage in 1972, at least 10% of contributing drainage area has been regulated by Toledo Bend Reservoir (station 08025350).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	836	204	1570	14500	14000	25000	14300	1290	2610	5960	204	4640
2	174	204	1420	15000	19400	24900	14200	144	2640	5800	1430	4600
3	1030	8390	5140	14900	24600	24900	14200	144	2490	204	6290	4710
4	204	8750	5390	14900	24700	24900	14200	2170	2520	204	6190	4640
5	204	8620	5150	14900	24700	21500	14200	2310	2300	204	6040	204
6	832	8760	204	14900	22200	19700	14200	2780	174	6040	6260	204
7	204	8570	204	15000	19800	19700	14200	2590	174	4050	5970	204
8	798	204	5440	15200	16700	19600	13500	2590	2470	6080	204	4690
9	187	204	5180	15200	14400	19600	10800	174	2420	6080	204	4650
10	1220	8500	5130	14800	14400	19700	10100	174	2370	6060	6040	4800
11	174	8500	5230	14600	14300	16300	6630	2610	2060	204	4240	4810
12	174	5070	8160	14700	11900	14300	6500	2570	3470	204	5510	204
13	4490	7240	204	17000	10900	14000	6060	2690	204	6050	4380	204
14	4730	7090	204	19900	13600	14000	3710	2540	204	6020	4270	4630
15	4560	204	9320	23100	13600	13900	3510	2200	3090	6000	204	3120
16	4660	204	7780	25100	13900	14200	174	174	3000	6080	204	4690
17	4340	193	7810	25200	17200	14300	174	174	3020	6000	4330	4720
18	204	174	7630	25100	18900	14400	174	2280	2970	204	4320	4600
19	204	174	7380	25300	18900	12700	174	2280	3030	204	4250	204
20	4730	174	204	23200	19300	14300	160	2340	204	6060	4350	204
21	4470	1460	204	19300	16700	14300	144	2340	204	6380	4300	4800
22	4740	174	10500	21600	16800	14300	144	2260	3110	6170	160	4640
23	4460	174	12500	25000	15800	14300	144	174	2950	6140	144	4700
24	4430	1510	7390	23500	13600	14300	144	174	3120	6080	2090	4500
25	204	1540	6780	24700	13400	14300	144	174	3110	204	2140	4700
26	204	1400	7540	21300	17500	14300	144	2320	3030	204	2220	204
27	4580	204	7120	19600	24800	14200	891	2300	204	6260	3100	409
28	8590	1410	7260	16400	24900	14200	174	2610	204	6180	3290	4760
29	8660	204	8990	14100	---	14200	174	2630	6010	6860	204	4670
30	8790	204	14900	14000	---	14200	955	204	5960	6600	204	4790
31	8900	---	14600	14000	---	14200	---	204	---	6200	6670	---
TOTAL	91983	89709	186534	576000	490900	518700	164224	49614	69322	134986	99412	98901
MEAN	2967	2990	6017	18580	17530	16730	5474	1600	2311	4354	3207	3297
MAX	8900	8760	14900	25300	24900	25000	14300	2780	6010	6860	6670	4810
MIN	174	174	204	14000	10900	12700	144	144	174	204	144	204
AC-FT	182400	177900	370000	1142000	973700	1029000	325700	98410	137500	267700	197200	196200

SABINE RIVER MAIN STEM

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1998z, BY WATER YEAR (WY)

MEAN	1254	2231	5409	9113	9959	10750	8345	8002	6004	4680	3623	3000
MAX	6809	13340	17720	27680	20510	28210	19270	22170	24960	18790	6732	7323
(WY)	1992	1995	1975	1974	1975	1997	1991	1991	1989	1989	1976	1991
MIN	59.0	50.7	74.5	90.0	339	231	247	311	508	493	470	424
(WY)	1976	1976	1976	1978	1981	1972	1978	1984	1996	1996	1996	1983

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1972 - 1998z

ANNUAL TOTAL	3036528			2570285								
ANNUAL MEAN	8319			7042						6014		
HIGHEST ANNUAL MEAN										10370		1995
LOWEST ANNUAL MEAN										517		1996
HIGHEST DAILY MEAN	50400	Mar 6		25300	Jan 1					114000	May 19	1989
LOWEST DAILY MEAN	144	Sep 24		144	Apr 21					30	Oct 1	1972
ANNUAL SEVEN-DAY MINIMUM	204	Jan 1		146	Apr 20					34	Nov 21	1975
ANNUAL RUNOFF (AC-FT)	6023000			5098000						4357000		
10 PERCENT EXCEEDS	22200			17300						14900		
50 PERCENT EXCEEDS	5200			4700						3850		
90 PERCENT EXCEEDS	204			200						130		

z Period of regulated streamflow.

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56, in SW 1/4 sec.20, T.4 N., R.11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on state highway 473, 0.2 mi upstream from Hamby Creek, 2.5 mi northeast of Toro, and 7.8 mi west of Hornbeck.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--October 1955 to September 1986, October 1988 to current year.

GAGE.--Water-sage recorder. Datum of gage is 138.00 ft above sea level (levels by Louisiana Department of Transportation and Development). Nonrecording gage at same site and datum read once daily from Dec. 2, 1985 to May 15, 1986 and twice daily May 16, 1986 to Sept. 30, 1986. Prior to Dec. 2, 1985 at site 500 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 24	0200	2,510	14.90	Jan. 22	0730	2,180	13.88
Jan. 7	1900	*11,900	*22.99				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9.5	14	93	87	e110	239	e34	23	6.5	3.8	1.0	3.1
2	e9.2	e13	51	79	e142	170	e31	20	5.9	3.8	1.2	2.4
3	e9.0	e12	250	76	142	142	e29	18	5.4	3.7	1.9	2.5
4	e8.7	e11	504	74	e105	e113	e28	17	5.0	4.5	1.7	2.4
5	e8.2	e9.7	164	130	e85	e90	e34	16	5.0	5.2	1.7	2.1
6	e8.0	e9.2	77	1460	e71	e77	e40	16	8.4	4.8	2.8	1.9
7	e7.7	e9.0	51	8610	e58	e200	e37	15	15	3.9	4.8	1.8
8	e7.5	e8.8	77	5890	e52	984	35	15	16	3.4	7.6	1.8
9	e9.7	e12	137	1790	e113	612	34	15	13	2.9	9.8	1.7
10	13	15	93	411	e230	234	31	14	9.7	2.6	8.2	1.6
11	e10	21	61	256	959	155	29	13	7.9	2.2	6.6	4.9
12	e9.0	27	44	374	538	e95	27	12	6.8	1.9	4.6	300
13	e22	28	35	484	201	e54	26	11	6.0	1.7	3.6	982
14	66	34	31	306	143	e34	26	11	5.3	1.8	18	740
15	45	33	29	362	126	e104	26	11	4.8	3.1	38	179
16	25	26	27	341	479	e390	26	10	4.7	3.6	16	97
17	17	23	25	222	736	1300	25	11	4.6	2.8	14	115
18	e13	21	24	167	399	790	26	10	3.8	2.9	10	61
19	e11	51	23	142	211	256	37	9.8	3.3	2.9	7.1	37
20	e9.7	96	22	124	156	168	45	9.4	3.2	2.7	5.2	28
21	e8.6	47	1340	144	132	e125	33	8.9	3.7	2.3	5.2	22
22	e8.0	32	1300	1860	231	e95	27	8.5	3.4	2.0	5.1	19
23	e12	25	1370	1340	616	e76	23	8.3	3.3	1.9	4.3	18
24	130	21	2200	459	304	e62	22	8.3	2.9	1.7	3.5	16
25	194	18	1760	241	175	e53	20	8.1	2.8	1.6	3.2	15
26	58	17	638	188	760	e45	19	8.0	2.9	2.0	3.0	13
27	30	16	237	162	1360	e40	19	8.1	4.0	1.9	2.7	12
28	21	49	191	139	689	e38	25	7.8	4.1	2.0	2.4	12
29	17	521	147	e120	---	e50	31	7.3	4.3	1.9	2.4	11
30	15	328	120	e94	---	e41	27	7.1	3.9	1.5	2.4	10
31	14	---	101	e80	---	e37	---	6.8	---	1.2	3.5	---
TOTAL	825.8	1547.7	11222	26212	9323	6869	872	364.4	175.6	84.2	201.5	2713.2
MEAN	26.6	51.6	362	846	333	222	29.1	11.8	5.85	2.72	6.50	90.4
MAX	194	521	2200	8610	1360	1300	45	23	16	5.2	38	982
MIN	7.5	8.8	22	74	52	34	19	6.8	2.8	1.2	1.0	1.6
AC-FT	1640	3070	22260	51990	18490	13620	1730	723	348	167	400	5380
CFM	.18	.35	2.45	5.71	2.25	1.50	.20	.08	.04	.02	.04	.61
IN.	.21	.39	2.82	6.59	2.34	1.73	.22	.09	.04	.02	.05	.68

e Estimated

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1998, BY WATER YEAR (WY)

MEAN	50.7	71.1	180	300	323	263	248	196	115	58.0	28.4	52.9
MAX	695	589	1166	1134	1117	789	1354	1223	1202	886	198	928
(WY)	1985	1958	1983	1990	1975	1961	1968	1975	1989	1989	1958	1961
MIN	1.70	5.12	7.96	14.6	22.3	18.0	13.1	9.33	4.14	2.62	.92	.76
(WY)	1964	1982	1982	1981	1996	1996	1981	1963	1971	1956	1956	1956

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1956 - 1998		
ANNUAL TOTAL	60035.9			60410.4			156		
ANNUAL MEAN	164			166			409		
HIGHEST ANNUAL MEAN							23.2		
LOWEST ANNUAL MEAN							21600		
HIGHEST DAILY MEAN	3080	Feb	14	8610	Jan	7		Apr	9
LOWEST DAILY MEAN	2.3	Sep	16	1.0	Aug	1	.10	Sep	29
ANNUAL SEVEN-DAY MINIMUM	2.3	Sep	15	1.5	Jul	30	.13	Sep	27
INSTANTANEOUS PEAK FLOW				11900	Jan	7	31200	Apr	9
INSTANTANEOUS PEAK STAGE				22.99	Jan	7	25.73	Apr	9
INSTANTANEOUS LOW FLOW				1.0	Aug	1,2	.10	Sep	29,30
INSTANTANEOUS LOW STAGE				2.74	Aug	1,2	2.40	Oct	1
ANNUAL RUNOFF (AC-FT)	119100			119800			113200	Oct	1
ANNUAL RUNOFF (CFSM)	1.11			1.12			1.06		
ANNUAL RUNOFF (INCHES)	15.09			15.18			14.35		
10 PERCENT EXCEEDS	379			333			295		
50 PERCENT EXCEEDS	35			21			33		
90 PERCENT EXCEEDS	6.7			2.8			5.8		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.22	4.67	4.63	---	5.98	---	3.75	3.18	3.02	2.74	2.97
2	---	---	4.14	4.54	5.26	5.49	---	3.68	3.15	3.02	2.77	2.91
3	---	---	5.67	4.50	5.25	5.25	---	3.61	3.12	3.01	2.86	2.92
4	---	---	7.36	4.47	5.06	---	---	3.57	3.10	3.07	2.84	2.91
5	---	---	5.33	5.02	---	---	---	3.54	3.10	3.11	2.84	2.88
6	---	---	4.50	10.67	---	---	---	3.54	3.27	3.09	2.95	2.86
7	---	---	4.15	21.39	---	---	---	3.52	3.52	3.02	3.06	2.85
8	---	---	4.49	19.64	---	9.49	4.02	3.51	3.54	2.99	3.23	2.85
9	---	---	5.11	12.47	---	7.87	3.98	3.50	3.43	2.95	3.33	2.83
10	3.29	3.26	4.68	6.93	---	5.95	3.93	3.47	3.32	2.92	3.26	2.83
11	3.19	3.45	4.29	6.10	9.40	5.37	3.88	3.44	3.25	2.89	3.19	3.06
12	---	3.61	4.04	6.70	7.51	5.20	3.84	3.41	3.20	2.86	3.07	5.86
13	3.48	3.64	3.88	7.29	5.72	---	3.82	3.39	3.16	2.84	3.00	9.49
14	4.35	3.79	3.79	6.39	5.26	---	3.81	3.38	3.12	2.85	3.40	8.40
15	4.00	3.75	3.74	6.69	5.11	---	3.82	3.36	3.09	2.96	4.03	5.54
16	3.56	3.57	3.69	6.58	7.20	---	3.82	3.35	3.08	3.00	3.55	4.84
17	3.33	3.50	3.64	5.87	8.45	10.77	3.80	3.36	3.07	2.94	3.48	5.01
18	3.20	3.47	3.62	5.47	6.86	8.62	3.82	3.34	3.02	2.95	3.35	4.42
19	---	4.00	3.60	5.25	5.79	6.09	4.03	3.33	2.99	2.95	3.21	4.05
20	---	4.70	3.58	5.10	5.37	5.47	4.18	3.31	2.98	2.94	3.11	3.86
21	---	4.05	10.58	5.21	5.16	5.24	3.96	3.29	3.01	2.90	3.11	3.73
22	---	3.72	10.76	12.77	5.80	---	3.83	3.27	2.99	2.87	3.10	3.64
23	---	3.55	10.92	10.91	7.90	---	3.75	3.26	2.98	2.86	3.06	3.60
24	4.90	3.45	13.93	7.14	6.35	---	3.71	3.27	2.95	2.83	3.00	3.55
25	5.57	3.38	12.49	6.00	5.53	---	3.68	3.26	2.94	2.82	2.98	3.51
26	4.21	3.34	7.87	5.63	8.23	---	3.64	3.25	2.95	2.86	2.96	3.46
27	3.67	3.31	5.91	5.43	10.98	---	3.63	3.25	3.04	2.86	2.93	3.43
28	3.44	3.69	5.58	5.23	8.16	---	3.79	3.24	3.04	2.87	2.91	3.40
29	3.33	7.46	5.21	---	---	---	3.93	3.22	3.06	2.85	2.91	3.38
30	3.27	6.37	4.96	---	---	---	3.85	3.21	3.02	2.81	2.91	3.34
31	3.25	---	4.78	---	---	---	---	3.20	---	2.77	3.00	---
MAX	---	---	13.93	---	---	---	---	3.75	3.54	3.11	4.03	9.49
MIN	---	---	3.58	---	---	---	---	3.20	2.94	2.77	2.74	2.83

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Texas-Vernon Parish, Louisiana State line, Hydrologic Unit 12010005, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft down-stream from Pearl Creek, 10 mi northeast of Burkeville, 16 mi downstream from Bayou Toro, and at mile 139.7.

DRAINAGE AREA.--7,482 mi².

PERIOD OF RECORD.--September 1955 to current year. Published as "below Toledo Bend near Burkeville" for period 1955-75. Water-quality records.--Chemical and biochemical analyses: May 1968 to September 1986. Pesticide analyses: October 1972 to September 1981.

REVISED RECORDS.--WSP 1732: Drainage area.

REMARKS.--Records fair. Since water year 1960, at least 10% of contributing drainage area has been regulated by Lake Tawakoni and three additional upstream reservoirs. Since 1966, additional regulation by Toledo Bend Reservoir 16.8 mi. upstream.

GAGE.--Water-stage recorder. Datum of gage is 60.59 ft above sea level. Prior to Aug 23, 1958, nonrecording gage at current site. Prior to Jan 1, 1989, at datum 10.00 ft higher. Telephone telemeter at station. Satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--11 years (water years 1956-66) prior to completion of Toledo Bend Reservoir, 4,653 ft³/s (3,371,000 acre-ft/yr).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1860: Flood in May 1884 reached a stage of 45.9 ft, current datum, from information by local resident. Flood of Apr 15, 1945, reached a stage of 45.8 ft, current datum. Flood of May 23, 1953, reached a stage of 45.3 ft, current datum, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	521	3890	1080	13200	13300	24300	13200	e1500	1480	5620	2910	4570
2	687	575	1750	13500	15100	24000	13200	e1070	2320	5580	850	4180
3	675	4320	3550	13700	21800	23800	13200	e430	2370	2840	3810	4200
4	859	7690	5340	13600	23100	23700	13200	e1430	2300	472	5710	4200
5	382	7810	5360	13700	23300	22500	13200	2270	2260	386	5730	2510
6	550	7840	2920	14900	22700	19300	13200	1990	1140	3050	5810	364
7	719	7660	647	21600	19200	19000	13200	2460	337	3900	5510	299
8	621	3720	2630	22900	17300	19900	13200	2420	1370	5310	3270	1950
9	742	578	5070	20200	14000	19800	10300	1430	2250	5540	457	4130
10	675	4530	4740	15700	13700	19100	9750	456	2240	5560	3220	4270
11	803	7550	e4700	14100	14900	17300	8080	1390	2070	2820	4410	4510
12	327	5590	e7000	14400	13900	14100	6410	2370	2500	400	4180	3950
13	2300	6380	e3200	15100	10400	13500	6340	2420	1970	3070	5170	2990
14	3930	6330	e1800	18300	12600	13400	3760	2800	420	5460	4300	4280
15	3920	2650	e5000	20200	13100	13300	3510	2290	1560	5530	2560	4500
16	3980	587	8180	23300	13500	14100	2000	1000	2840	5550	450	3750
17	3990	503	7120	23600	15500	16800	652	426	2870	5550	1980	4460
18	2050	431	7840	23500	18200	15500	673	1630	2860	2840	4140	4440
19	482	445	6850	23400	18100	12900	735	2220	2870	415	4110	2660
20	2180	438	2410	23100	18000	13400	640	2250	1680	3060	4120	492
21	3800	917	3900	19600	17600	13400	539	2270	392	5560	4230	2060
22	4060	1060	8170	22300	15200	13300	483	2240	1590	5780	2540	4240
23	4380	410	14400	25800	17000	13300	455	1000	2880	5650	323	4200
24	4590	621	12100	24800	13900	13200	436	408	2920	5630	902	4190
25	2840	1570	9370	23700	13200	13200	427	381	3000	2840	1960	4150
26	688	1430	8420	22700	15200	13200	419	1620	2980	425	2030	2580
27	2050	1260	6960	19400	23100	13200	e470	2220	1710	3140	2480	470
28	6610	717	7040	17400	24700	13200	e1100	2440	414	5640	2900	2110
29	7720	2470	6640	14100	---	13200	e1000	2210	3090	5810	1740	4160
30	7920	1240	12900	13400	---	13200	e1200	1330	5540	6310	329	4210
31	7930	---	13300	13300	---	13200	---	449	---	6040	3300	---
TOTAL	82981	91212	190387	578500	471600	505300	164979	50820	64223	125778	95431	99075
MEAN	2677	3040	6142	18660	16840	16300	5499	1639	2141	4057	3078	3303
MAX	7930	7840	14400	25800	24700	24300	13200	2800	5540	6310	5810	4570
MIN	327	410	647	13200	10400	12900	419	381	337	386	323	299
AC-FT	164600	180900	377600	1147000	935400	1002000	327200	100800	127400	249500	189300	196500

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1998z, BY WATER YEAR (WY)

MEAN	1206	1967	5566	8400	9115	10010	8086	8133	5492	3961	2842	2617
MAX	6846	12880	17990	28510	21470	27000	26530	32070	25310	23750	6662	7099
(WY)	1992	1995	1962	1974	1975	1997	1969	1966	1989	1989	1976	1991
MIN	82.5	86.2	247	484	266	485	231	471	400	166	91.7	77.6
(WY)	1968	1968	1968	1968	1968	1968	1971	1967	1970	1964	1967	1967

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1960 - 1998z	
ANNUAL TOTAL	3016659		2520286			
ANNUAL MEAN	8265		6905		5602	
HIGHEST ANNUAL MEAN					11190	
LOWEST ANNUAL MEAN					548	
HIGHEST DAILY MEAN	41300	Mar 7	25800	Jan 23	111000	May 20 1989
LOWEST DAILY MEAN	275	Sep 28	299	Sep 7	38	Sep 14 1967
ANNUAL SEVEN-DAY MINIMUM	385	Jan 4	461	Apr 21	41	Sep 9 1967
INSTANTANEOUS PEAK FLOW			26100	Jan 23	116000	May 20 1989
INSTANTANEOUS PEAK STAGE			33.03	Jan 23	47.45	May 20 1989
ANNUAL RUNOFF (AC-FT)	5984000		4999000		4059000	
10 PERCENT EXCEEDS	22000		18000		15300	
50 PERCENT EXCEEDS	4740		4150		2620	
90 PERCENT EXCEEDS	621		499		262	

e Estimated

z Period of regulated streamflow.

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEFINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs.25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi northwest of Rosepine.

DRAINAGE AREA.--365 mi².

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft above sea level. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 580,000 acre-ft) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	131	983	453	410	1500	279	315	21	15	8.3	21
2	18	119	771	381	388	951	233	242	20	13	7.9	25
3	18	99	763	336	387	709	217	193	19	16	7.6	23
4	15	83	1140	320	363	557	192	160	18	31	7.7	19
5	14	74	983	642	330	462	179	134	19	30	7.4	16
6	14	69	704	1200	302	412	153	112	37	24	12	15
7	16	68	520	4540	275	490	137	102	41	19	41	15
8	38	62	557	13300	253	1340	129	93	31	16	60	16
9	44	53	636	11600	237	1420	122	89	26	13	58	15
10	28	59	537	5330	312	947	112	75	24	12	42	17
11	26	86	427	2990	1180	667	105	71	22	11	22	61
12	25	110	342	2150	1190	514	95	61	20	10	16	1630
13	218	263	275	2210	870	411	84	51	18	9.5	14	2640
14	494	322	226	1710	678	356	83	46	18	10	79	3400
15	288	251	192	1660	555	323	84	47	17	14	54	4760
16	197	206	169	1790	831	587	80	50	16	27	32	3530
17	145	166	153	1270	1360	2340	84	44	15	21	24	2320
18	114	143	143	944	1190	2660	151	39	14	16	23	1320
19	94	263	133	753	864	2480	389	36	14	13	25	832
20	78	269	127	621	729	1460	324	33	13	12	24	582
21	70	209	1020	528	597	934	215	31	12	11	55	428
22	66	175	2190	1650	652	691	170	30	12	10	64	328
23	66	152	2500	2560	1030	538	139	27	12	18	55	267
24	350	130	3300	2680	843	437	117	26	13	16	33	214
25	687	114	3950	2260	654	372	100	25	13	12	25	167
26	614	103	3930	1420	1020	327	86	25	12	11	20	137
27	445	96	3010	1000	2180	290	85	24	13	11	18	114
28	322	92	1550	775	2190	266	137	24	17	10	17	101
29	238	555	926	628	---	251	349	23	17	9.5	16	89
30	185	1050	704	534	---	226	415	23	16	8.9	16	75
31	151	---	558	465	---	237	---	22	---	8.6	16	---
TOTAL	5098	5572	33419	68700	21870	25155	5045	2273	560	458.5	899.9	23177
MEAN	164	186	1078	2216	781	811	168	73.3	18.7	14.8	29.0	773
MAX	687	1050	3950	13300	2190	2660	415	315	41	31	79	4760
MIN	14	53	127	320	237	226	80	22	12	8.6	7.4	15
AC-FT	10110	11050	66290	136300	43380	49890	10010	4510	1110	909	1780	45970
CFSM	.45	.51	2.95	6.07	2.14	2.22	.46	.20	.05	.04	.08	2.12
IN.	.52	.57	3.41	7.00	2.23	2.56	.51	.23	.06	.05	.09	2.36

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSE PINE, LA -- Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1998, BY WATER YEAR (WY)

MEAN	140	297	654	791	908	732	722	632	286	234	159	171
MAX	1114	2418	6006	2741	4220	1901	2402	6181	2628	2665	2286	1698
(WY)	1985	1958	1983	1990	1966	1973	1952	1953	1989	1989	1955	1958
MIN	7.95	13.5	40.1	35.8	113	121	42.9	36.6	15.7	14.8	12.1	9.18
(WY)	1964	1968	1955	1981	1996	1996	1981	1978	1971	1998	1956	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1952 - 1998		
ANNUAL TOTAL	179016			192227.4			475		
ANNUAL MEAN	490			527			1265		
HIGHEST ANNUAL MEAN							102		
LOWEST ANNUAL MEAN							49900		
HIGHEST DAILY MEAN	7310	Feb	27	13300	Jan	8	5.6	Apr	30
LOWEST DAILY MEAN	10	Sep	21	7.4	Aug	5	5.8	Sep	27
ANNUAL SEVEN-DAY MINIMUM	11	Sep	16	8.1	Jul	30	5.8	Sep	24
INSTANTANEOUS PEAK FLOW				15500	Jan	8	64300	May	19
INSTANTANEOUS PEAK STAGE				22.38	Jan	8	28.38	May	19
INSTANTANEOUS LOW FLOW				7.0	Aug	5	4.0	Sep	28,29,30
INSTANTANEOUS LOW STAGE				2.83	Aug	5			
ANNUAL RUNOFF (AC-FT)	355100			381300			344200		
ANNUAL RUNOFF (CFMS)	1.34			1.44			1.30		
ANNUAL RUNOFF (INCHES)	18.24			19.59			17.69		
10 PERCENT EXCEEDS	1060			1380			1080		
50 PERCENT EXCEEDS	200			131			146		
90 PERCENT EXCEEDS	30			14			20		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.06	4.01	8.67	6.05	5.81	10.98	5.02	5.24	3.03	2.94	2.85	3.06
2	3.03	3.92	7.67	5.65	5.69	8.53	4.73	4.79	3.01	2.92	2.85	3.11
3	3.03	3.76	7.62	5.38	5.68	7.36	4.63	4.47	3.00	2.97	2.84	3.09
4	3.00	3.64	9.42	5.28	5.54	6.60	4.46	4.23	2.99	3.16	2.84	3.04
5	2.99	3.56	8.67	7.00	5.34	6.10	4.37	4.03	3.00	3.14	2.84	3.01
6	2.99	3.52	7.33	9.55	5.16	5.82	4.18	3.86	3.22	3.07	2.90	3.00
7	3.01	3.51	6.41	19.40	4.99	6.22	4.06	3.79	3.26	3.00	3.24	3.00
8	3.25	3.46	6.59	21.98	4.86	10.31	4.00	3.72	3.15	2.96	3.44	3.01
9	3.31	3.39	6.99	21.68	4.76	10.68	3.95	3.69	3.09	2.93	3.43	3.00
10	3.15	3.44	6.50	20.06	5.18	8.51	3.87	3.57	3.07	2.92	3.28	3.02
11	3.12	3.66	5.91	16.74	9.57	7.15	3.81	3.54	3.04	2.90	3.08	3.42
12	3.11	3.85	5.41	13.69	9.62	6.38	3.73	3.45	3.01	2.88	3.01	11.34
13	4.49	4.91	5.00	13.94	8.15	5.82	3.65	3.37	2.99	2.87	2.99	15.62
14	6.25	5.28	4.69	11.91	7.20	5.50	3.64	3.32	2.98	2.88	3.59	17.99
15	5.02	4.84	4.46	11.70	6.59	5.30	3.65	3.32	2.97	2.93	3.39	19.93
16	4.40	4.55	4.29	12.23	7.93	6.59	3.62	3.36	2.96	3.11	3.19	18.28
17	4.02	4.27	4.18	10.00	10.38	14.48	3.65	3.30	2.95	3.03	3.11	14.35
18	3.78	4.10	4.10	8.49	9.63	15.72	4.14	3.25	2.94	2.96	3.09	10.19
19	3.62	4.92	4.03	7.59	8.12	15.01	5.69	3.21	2.94	2.93	3.12	7.96
20	3.50	4.95	3.98	6.92	7.47	10.80	5.30	3.19	2.93	2.91	3.10	6.73
21	3.43	4.58	8.62	6.45	6.80	8.44	4.61	3.16	2.92	2.89	3.40	5.91
22	3.39	4.34	13.86	11.55	7.07	7.27	4.31	3.14	2.92	2.89	3.47	5.33
23	3.39	4.17	15.10	15.33	8.87	6.50	4.07	3.11	2.91	2.99	3.40	4.94
24	5.31	4.00	17.79	15.80	8.02	5.97	3.91	3.09	2.93	2.97	3.20	4.61
25	7.25	3.88	19.13	14.12	7.09	5.59	3.77	3.09	2.92	2.92	3.11	4.29
26	6.88	3.79	19.09	10.67	8.79	5.32	3.67	3.09	2.92	2.91	3.06	4.08
27	6.01	3.74	16.85	8.77	13.83	5.09	3.66	3.08	2.93	2.90	3.03	3.91
28	5.29	3.71	11.18	7.69	13.89	4.94	4.05	3.06	2.97	2.89	3.02	3.82
29	4.76	6.49	8.41	6.96	---	4.85	5.44	3.05	2.98	2.88	3.01	3.73
30	4.41	8.97	7.34	6.48	---	4.69	5.84	3.05	2.97	2.87	3.01	3.62
31	4.16	---	6.61	6.12	---	4.75	---	3.04	---	2.86	3.01	---
MAX	7.25	8.97	19.13	21.98	13.89	15.72	5.84	5.24	3.26	3.16	3.59	19.93
MIN	2.99	3.39	3.98	5.28	4.76	4.69	3.62	3.04	2.91	2.86	2.84	3.00

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA

LOCATION.--Lat 30°52'14", long 93°30'38", in SE 1/4 sec. 20, T. 2 S., R. 11 W., Beauregard-Vernon Parish line, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 mi southwest of Knight, and 5.2 mi upstream from mouth.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--Water years 1958, 1961, 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1969 to September 1972.

WATER TEMPERATURES: December 1969 to September 1971.

COLOR: December 1969 to July 1972.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Lake Vernon (usable capacity, 58,000 acre-ft) since May 1963. Water used by paper mill at De Ridder is pumped from wells and discharged later as waste into bayou above station. This discharge is not continuous but is stored in a reservoir and is released whenever flow of bayou is sufficient to dilute effluent from mill.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 910 micromhos Oct. 31, 1970; minimum daily, 40 micromhos Jan. 1, 1970, Jan. 7, 1972.

WATER TEMPERATURES: Maximum daily, 33.0 °C June 15, 1970; minimum daily, 7.0 °C Jan. 9, 10, 1970.

COLOR: Maximum daily, 600 units Mar. 16, 1971; minimum daily, 5 units June 20, 27-30, 1970.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 6.0 °C was observed Jan. 19, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV 18...	0810	594	7.29	11.5	280	20	11.2	10.5	240	2700
JAN 29...	1000	175	6.38	12.0	70	27	9.0	2.7	K60	<4
MAR 25...	0900	--	5.75	17.0	60	28	9.7	3.7	K2200	K21
JUN 02...	1730	464	7.46	29.0	--	25	7.0	--	K19	120
JUL 23...	0745	729	7.28	25.2	240	46	--	--	45	240
SEP 29...	1100	519	7.05	25.0	150	23	--	--	--	76
DATE	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS Ca) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS- SOLVED (MG/L AS Na) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CaCO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
NOV 18...	30	10	1.2	110	4.3	60	120	57	<.10	15
JAN 29...	18	5.8	.90	26	2.1	15	34	15	<.10	12
MAR 25...	14	4.2	.80	11	1.3	14	13	8.4	<.10	11
JUN 02...	31	9.9	1.5	80	3.7	61	--	40	<.10	17
JUL 23...	42	14	1.8	140	5.1	72	140	79	.13	18
SEP 29...	39	13	1.6	84	4.6	43	100	52	<.10	17

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

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

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	
DATE		NOV 18...	386	353	.018	.11	.34	1.5	.11	.08	--
		JAN 29...	124	105	<.010	.05	.07	.69	.10	.04	11
		MAR 25...	100	58	--	--	--	--	--	--	--
		JUN 02...	--	--	.024	.52	.04	.52	.06	.06	--
		JUL 23...	462	441	.022	.38	<.01	.69	.10	.10	--
		SEP 29...	338	298	.095	.45	.10	.85	.09	.09	--
DATE	ACE- NAPHTH- YLENE BOT.MAT (UG/KG) (34203)	ACE- NAPHTH- ENE BOT.MAT (UG/KG) (34208)	ANTHRA- CENE BOT.MAT (UG/KG) (34223)	BENZO B FLUOR- AN- THENE BOT.MAT (UG/KG) (34233)	BENZO K FLUOR- AN- THENE BOT.MAT (UG/KG) (34245)	BENZO- A- PYRENE BOT.MAT (UG/KG) (34250)	BIS (2- CHLORO- ETHYL) ETHER BOT.MAT (UG/KG) (34276)	BIS (2- CHLORO- ETHOXY) METHANE BOT.MAT (UG/KG) (34281)	BIS (2- CHLORO- ISO- PROPYL) ETHER BOT.MAT (UG/KG) (34286)	N-BUTYL BENZYL PHTHAL- ATE BOT.MAT (UG/KG) (34295)	CHRY- SENE BOT.MAT (UG/KG) (34323)
JAN 29...	<200	<200	<200	<400	<400	<400	<200	<200	<200	<200	<400
DATE	DIETHYL PHTHAL- ATE BOT.MAT (UG/KG) (34339)	DI- METHYL PHTHAL- ATE BOT.MAT (UG/KG) (34344)	FLUOR- ANTHENE BOT.MAT (UG/KG) (34379)	FLUOR- ENE BOT.MAT (UG/KG) (34384)	HEXA- CHLORO- CYCLO- PENT- ADIENE BOT.MAT (UG/KG) (34389)	HEXA- CHLORO- ETHANE BOT.MAT (UG/KG) (34399)	INDENO (1,2,3- CD) PYRENE BOT.MAT (UG/KG) (34406)	ISO- PHORONE BOT.MAT (UG/KG) (34411)	N- NITRO- SODI-N- PROPYL- AMINE BOT.MAT (UG/KG) (34431)	N-NITRO -SODI- PHENY- LAMINE BOT.MAT (UG/KG) (34436)	N-NITRO -SODI- METHY- LAMINE BOT.MAT (UG/KG) (34441)
JAN 29...	<200	<200	<200	<200	<800	<200	<400	<200	<200	<200	<200
DATE	NAPHTH- ALENE BOT.MAT (UG/KG) (34445)	NITRO- BENZENE BOT.MAT (UG/KG) (34450)	PARA- CHLORO- META CRESOL BOT.MAT (UG/KG) (34455)	PHENAN- THRENE BOT.MAT (UG/KG) (34464)	PYRENE BOT.MAT (UG/KG) (34472)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG) (34524)	BENZO A ANTHRAC ENE1,2- BENZANT HRACENE BOT.MAT (UG/KG) (34529)	1,2-DI- CHLORO- BENZENE BOT.MAT (UG/KG) (34539)	1,2,4- TRI- CHLORO- BENZENE BOT.MAT (UG/KG) (34554)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG) (34559)	1,3-DI- CHLORO- BENZENE BOT.MAT (UG/KG) (34569)
JAN 29...	<200	<200	<600	<200	<200	<400	<400	<200	<200	<400	<200

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

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	1,4-DI- CHLORO- BENZENE BOT.MAT (UG/KG) (34574)	2- CHLORO- NAPH- THALENE BOT.MAT (UG/KG) (34584)	2- CHLORO- PHENOL BOT.MAT (UG/KG) (34589)	2- NITRO- PHENOL BOT.MAT (UG/KG) (34594)	DI-N- OCTYL PHTHAL- ATE BOT.MAT (UG/KG) (34599)	2,4-DI- CHLORO- PHENOL BOT.MAT (UG/KG) (34604)	2,4-DP, IN BOTTOM MAT. (UG/KG) (34609)	2,4-DI- NITRO- TOLUENE BOT.MAT (UG/KG) (34614)	2,4- DI- NITRO- PHENOL BOT.MAT (UG/KG) (34619)	2,4,6- TRI- CHLORO- PHENOL BOT.MAT (UG/KG) (34624)	2,6-DI- NITRO- TOLUENE BOT.MAT (UG/KG) (34629)
JAN 29...	<200	<200	<200	<200	<400	<200	<200	<200	<600	<600	<200
DATE	4- BROMO- PHENYL ETHER BOT.MAT (UG/KG) (34639)	4- CHLORO- PHENYL ETHER BOT.MAT (UG/KG) (34644)	4- NITRO- PHENOL BOT.MAT (UG/KG) (34649)	4,6- DINITRO -ORTHO- CRESOL BOT.MAT (UG/KG) (34660)	PHENOL (C6H- 5OH) BOT.MAT (UG/KG) (34695)	PENTA- CHLORO- PHENOL BOT.MAT (UG/KG) (39061)	BIS(2- ETHYL HEXYL) PHTHAL- ATE BOT.MAT (UG/KG) (39102)	DI-N- BUTYL PHTHAL- ATE BOT.MAT (UG/KG) (39112)	HEXA- CHLORO- BENZENE TOT. IN BOTTOM MATL. (UG/KG) (39701)	HEXA- CHLORO- BUT- ADIENCE BOT.MAT (UG/KG) (39705)	
JAN 29...	<200	<200	<600	<600	<200	<600	<200	<200	<200	<200	

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

SABINE RIVER MAIN STEM

08028500 SABINE RIVER NEAR BON WIER, TX

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mi upstream from Quicksand Creek, 0.8 mi upstream from Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi east of Bon Wier, 2.4 mi upstream from Caney Creek, and at mile 97.7.

DRAINAGE AREA.--8,229 mi².

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage height records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1342: 1953; WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 33.42 ft above sea level. Prior to Jul 8, 1931, nonrecording gage at site 0.8 mi downstream at datum 13.00 ft higher. Jul 8, 1931, to Oct 15, 1958, nonrecording gage at present site at datum 13.00 ft higher. Oct 16, 1958, to Sep 30, 1975, water-stage recorder at present site at datum 13.00 ft higher. Oct 1, 1975, to Dec 31, 1988, at present site at datum 10.00 ft higher. Telephone telemeter at station. Satellite telemeter at station.

REMARKS.--No estimated daily discharges. Records good. Since water year 1960, at least 10% of contributing drainage area has been regulated by Lake Tawakoni and three additional upstream reservoirs. Additional regulation since Oct 1966, by Toledo Bend Reservoir 58.8 mi upstream.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--36 years (water years 1924-59) prior to completion of Lake Tawakoni.

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1924-59).--Maximum discharge, 115,000 ft³/s May 19, 1953 (gage height, 38.70 ft, current datum); minimum, 160 ft³/s Sep 29, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, 43.5 ft Apr 23 or 24, 1913, from information by Gulf, Colorado, and Santa Fe Railway Co. and local residents. Flood in May 1884 reached a stage of 39 ft. Floods occurring about 1844 and 1860 were higher than flood in May 1884, from information by local residents. All flood data referenced to current datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	976	8980	3320	15900	16900	27200	15300	1720	822	6250	6750	4170
2	793	3870	3200	15800	16800	26600	15200	2050	1820	6420	2950	5130
3	963	1440	3660	16100	19700	25800	15100	1690	2850	6420	1350	4830
4	917	5920	7170	16200	23400	25300	15000	1050	2900	2970	4750	4850
5	1100	8720	8230	16600	24800	25000	14900	2170	2880	968	6440	4820
6	710	8910	7570	17900	25100	23500	14800	3070	2860	719	6600	2530
7	799	8990	4160	26100	24300	21600	14800	2950	1620	3830	6860	861
8	1010	8750	2420	31000	22100	22400	14800	3290	765	4640	6660	678
9	913	3780	5360	30300	19700	23200	13800	3240	1710	6050	3330	2600
10	1090	1520	7010	29000	17500	22600	11900	1930	2730	6390	1080	4610
11	976	6330	6540	26200	19000	21500	11300	975	2760	6410	4210	5170
12	1120	8810	6440	24300	20000	19000	9030	1970	2570	2910	5070	8720
13	847	7450	8070	24400	17300	16500	7980	3050	3240	881	5370	16000
14	3750	8300	3880	24100	15000	15800	7130	3160	2170	3960	5880	21800
15	5280	7650	1890	24300	16200	15500	5060	3460	815	6290	5390	17000
16	4920	3470	6750	25500	16700	15900	4750	3010	1950	6400	2870	12700
17	4800	1800	8910	26900	17900	22000	2530	1560	3330	6450	1300	11600
18	4670	1570	8640	26800	20000	22800	1540	877	3430	6440	3080	9680
19	2350	1570	8730	26400	21000	20400	1930	2040	3420	2930	4840	7570
20	1040	1740	7940	26200	20700	18000	2020	2830	3440	901	4870	4240
21	2870	1610	6150	25300	20500	17000	1620	2900	1960	3920	5010	2030
22	4370	1970	12300	26500	19300	16300	1350	2920	764	6380	5120	3840
23	4710	1970	16600	30100	19200	15800	1200	2870	1980	6590	2730	5460
24	5530	1360	21400	30300	19100	15600	1100	1520	3350	6520	965	5410
25	6080	1580	19700	29400	16900	15400	1030	810	3490	6490	1450	5270
26	3580	2360	16300	28200	16600	15300	980	711	3560	2930	2400	5210
27	1930	2320	14600	26300	21700	15200	933	1910	3570	915	2490	2900
28	3590	2000	12600	23500	25900	15200	1160	2770	1990	4050	3030	1240
29	7900	3140	10600	20900	---	15100	1540	3050	812	6350	3440	3220
30	8800	4450	11700	18200	---	15000	1380	2900	3880	6800	1970	4910
31	9040	---	15700	17300	---	15200	---	1740	---	7030	804	---
TOTAL	97424	132330	277540	746000	553300	601700	211163	70193	73438	146204	119059	189049
MEAN	3143	4411	8953	24060	19760	19410	7039	2264	2448	4716	3841	6302
MAX	9040	8990	21400	31000	25900	27200	15300	3460	3880	7030	6860	21800
MIN	710	1360	1890	15800	15000	15000	933	711	764	719	804	678
AC-FT	193200	262500	550500	1480000	1097000	1193000	418800	139200	145700	290000	236200	375000

SABINE RIVER MAIN STEM

08028500 SABINE RIVER NEAR BON WIER, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1998z, BY WATER YEAR (WY)

MEAN	1702	2660	6795	10040	11020	11630	9582	9184	6379	4757	3337	3171
MAX	7315	13250	21420	30930	23200	30030	27370	31210	26340	31490	7288	8247
(WY)	1992	1995	1983	1974	1975	1997	1969	1966	1989	1989	1976	1991
MIN	188	217	822	1000	746	1288	634	1011	663	530	211	206
(WY)	1968	1968	1981	1981	1968	1981	1971	1996	1970	1964	1967	1967

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1960 - 1998z		
ANNUAL TOTAL	3625081			3217400					
ANNUAL MEAN	9932			8815			6669		
HIGHEST ANNUAL MEAN							12670		
LOWEST ANNUAL MEAN							1172		
HIGHEST DAILY MEAN	47000			31000			98000		
LOWEST DAILY MEAN	658			678			134		
ANNUAL SEVEN-DAY MINIMUM	792			894			142		
INSTANTANEOUS PEAK FLOW				31300			98200		
INSTANTANEOUS PEAK STAGE				32.77			37.90		
ANNUAL RUNOFF (AC-FT)	7190000			6382000			4831000		
10 PERCENT EXCEEDS	26600			22500			17000		
50 PERCENT EXCEEDS	6060			5170			3500		
90 PERCENT EXCEEDS	1380			1100			685		

z Period of regulated streamflow.

SABINE RIVER MAIN STEM

08030500 SABINE RIVER NEAR RULIFF, TX
(Hydrologic benchmark station)

LOCATION.--Lat 30°18'13", long 93°44'37", Calcasieu Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, at downstream side of bridge on State Highway 12, 2.4 mi north of Ruliff, 4.2 mi upstream from the Kansas City Southern Railway Co. bridge, 4.5 mi downstream from Cypress Creek, and at mile 40.2.

DRAINAGE AREA.--9,329 mi².

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 5.92 ft below sea level. Prior to Mar 1, 1941, nonrecording gage at Kansas City Southern Railway Co. bridge, 4.2 mi downstream and at datum 7.98 ft higher than current datum. Mar 1, 1941, to Dec 8, 1948, nonrecording gage at present site and at datum 10.00 ft higher than current datum. Dec 9, 1948, to Dec 31, 1989, recording gage at present site and at datum 10.00 ft higher than current datum. Telephone telemeter at station. Satellite telemeter at station.

REMARKS.--Records good. Since water year 1960, at least 10% of contributing drainage area has been regulated by Lake Tawakoni and three additional upstream reservoirs. Additional regulation since Oct 1966, by Toledo Bend Reservoir 116.3 mi upstream.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--35 years (water years 1925-59) prior to completion of Lake Tawakoni, 8,842 ft³/s (6,406,000 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1925-59).--Maximum discharge, 121,000 ft³/s May 22, 1953, (gage-height, 29.98 ft, current datum); minimum, 270 ft³/s Sep 27-30, Oct 1-3, 17-20, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1835, 32.2 ft in May or Jun 1884 (adjusted to present site and datum on basis of slope of flood of Jun 8, 9, 1950); flood of Apr 26-29, 1913, reached a stage of 29.5 ft, present site and datum, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1020	7470	4280	14900	19800	19100	14800	2420	2880	2120	6450	2380
2	1170	8170	4670	14400	18200	21900	14700	2330	1900	4090	6830	2430
3	1140	8180	4150	14900	17300	24900	14700	2480	1510	5310	6600	4340
4	1180	5790	4220	16000	16700	25700	14500	2550	2330	5890	4370	5150
5	1130	4170	5370	17100	16500	25400	14400	2040	2900	5830	3510	5370
6	1310	5910	7040	18300	17200	24800	14300	1880	3140	3820	5080	5430
7	1220	7160	8120	22300	19000	25200	14200	2740	3160	1950	6340	5010
8	1050	7960	8330	27400	20600	25600	14000	3140	2860	2080	6870	3110
9	1190	8460	6400	34800	21400	23800	13800	3360	1970	3890	7020	1740
10	1190	8250	5100	43900	21300	22400	13700	3490	1570	4840	6780	1750
11	1300	5630	6240	44400	21400	22500	13500	3240	2400	5630	4710	3920
12	1260	4270	7070	42000	20300	22400	13100	2210	e3300	6120	3260	7210
13	1420	6050	7300	37000	19400	21500	12500	1740	e3350	5970	4510	13200
14	1380	7170	7490	34500	19400	20200	11700	2590	e3300	3840	5290	20500
15	2060	7650	7340	32600	19000	18600	10500	3150	e3400	2730	5920	31400
16	4090	7960	5050	31600	17900	18300	9200	3440	e2600	4440	6260	50500
17	5070	7420	4360	30000	17300	18700	7700	3460	e1800	5630	5880	48200
18	5250	4810	6420	28500	17300	18600	6310	2970	e2800	6220	3870	34700
19	5220	2660	7700	27700	17600	19800	4520	1920	e3500	6510	2790	26500
20	4440	1900	8610	27100	18100	22600	3500	1660	e3600	6250	4010	21000
21	2540	1840	9930	26500	18900	22600	3300	2480	e3700	4070	4930	17200
22	1990	1850	10400	28700	20000	20400	2970	2930	e3700	2830	5380	13500
23	3430	1770	11500	29700	20400	18500	2510	3070	e2800	4510	5630	9460
24	4340	2050	14300	32700	20400	17300	2140	3100	1560	5760	5300	7500
25	5030	1710	17200	39200	20000	16600	1910	2770	2660	6360	3320	7080
26	5790	1440	20900	40200	20200	15900	1760	1810	3340	6650	1940	6950
27	5990	1850	24700	35600	19500	15400	1670	1340	3620	6370	2420	6780
28	4220	2280	24300	31300	18700	15200	1600	1430	3760	4090	2850	6310
29	3080	2600	21500	28100	---	14900	1660	2330	3480	2850	3090	4230
30	4790	2750	18700	25100	---	14700	2240	2890	2210	4560	3520	3060
31	6500	---	16500	22200	---	14900	---	3080	---	5780	3590	---
TOTAL	90790	147180	315190	898700	533800	628400	257390	80040	85100	146990	148320	375910
MEAN	2929	4906	10170	28990	19060	20270	8580	2582	2837	4742	4785	12530
MAX	6500	8460	24700	44400	21400	25700	14800	3490	3760	6650	7020	50500
MIN	1020	1440	4150	14400	16500	14700	1600	1340	1510	1950	1940	1740
AC-FT	180100	291900	625200	1783000	1059000	1246000	510500	158800	168800	291600	294200	745600

SABINE RIVER MAIN STEM

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1998z, BY WATER YEAR (WY)

MEAN	2396	3419	8262	12180	12850	13470	11320	10300	7766	5758	3910	3920
MAX	9591	14910	22070	35570	27990	35780	33240	32980	26240	42320	7982	12530
(WY)	1995	1995	1983	1961	1974	1997	1969	1966	1989	1989	1975	1998
MIN	292	327	1366	1422	1559	1695	1030	1395	1383	805	382	333
(WY)	1968	1968	1981	1981	1968	1996	1971	1996	1963	1967	1967	1967

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1960 - 1998z	
ANNUAL TOTAL	4047490		3707810			
ANNUAL MEAN	11090		10160		7940	
HIGHEST ANNUAL MEAN					14210	
LOWEST ANNUAL MEAN					1959	
HIGHEST DAILY MEAN	47700	Mar 10	50500	Sep 16	108000	Jul 6 1989
LOWEST DAILY MEAN	1020	Oct 1	1020	Oct 1	278	Oct 28 1967
ANNUAL SEVEN-DAY MINIMUM	1130	Sep 29	1170	Oct 1	282	Oct 9 1967
INSTANTANEOUS PEAK FLOW			55000	Sep 16	109000	Jul 6 1989
INSTANTANEOUS PEAK STAGE			26.24	Sep 16	29.15	Jul 6 1989
ANNUAL RUNOFF (AC-FT)	8028000		7354000		5752000	
10 PERCENT EXCEEDS	28500		24000		18700	
50 PERCENT EXCEEDS	6780		5830		4650	
90 PERCENT EXCEEDS	2020		1890		1150	

e Estimated

z Period of regulated streamflow.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of peak elevation at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow; and discharge measurements made for a special studies are presented following the partial-record tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1998

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis-charge (ft ³ /s)	Date	Gage height (ft)	Dis-charge (ft ³ /s)
RED RIVER BASIN								
Indian Creek at Shongaloo, La. (07348725)	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 159, and 0.8 mi southeast of Shongaloo. Drainage area is 33.1 mi ² .	1966-98	3-10-98	42.28	1,240	4-28-91	46.86	15,200
Rambin Bayou near Frierson, La. (07351670)	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.75 mi south of Frierson. Drainage area is 59.6 mi ² .	1966-98	1-07-98	11.77	4,770	5-21-83	15.15	13,600
Kepler Creek at Sparta, La. (07352400)	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 155, and 3.3 mi north east of Coushatta. Drainage area is 21.1 mi ² .	1954-68, 1974-98	1-08-98	44.79	1,890	12-10-83	46.04	5,280
Grand Bayou near Coushatta, La. (07352800)	Lat 32°02'55", long 93°18'10", Red River Parish, at bridge on State Highway 507, and 0.8 mi west of Sparta. Drainage area is 93.9 mi ² .	1956-77, 1979-98	1-07-98	10.98	6,260	5-18-89	14.04	15,400
Kisatchie Bayou at Kisatchie, La. (07353990)	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117 and 0.6 mi north of Kisatchie. Drainage area is 37.3 mi ² .	1966-98	9-12-98	23.47	6,250	12-27-82	26.13	17,800
Sugar Creek near Arcadia, La. (07364870)	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi northeast of Arcadia. Drainage area is approximately 47 mi ² .	1966-98	1-09-98	44.47	2,550	4-29-91	48.34	15,000
Bayou Choudrant tributary near Tremont, La. (07366403)	Lat 32°31'55", long 92°27'55", Lincoln Parish, at culvert on Interstate Highway 20, and 1.1 mi northwest of Tremont. Drainage area is 0.54 mi ² .	1966-98	3-19-98	7.63	178	5-05-89	12.49	1,280

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis-charge (ft ³ /s)	Date	Gage height (ft)	Dis-charge (ft ³ /s)
RED RIVER BASIN--Continued								
Bayou Choudrant near Calhoun, La. (07366420)	Lat 32°32'35", long 92°22'50", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi northwest of Calhoun. Drainage area is 113 mi ² .	1966-98	1-09-98	44.32	6,720	12-27-82	48.50	26,800
Guyton Creek near Eros, La. (07367250)	Lat 32°25'25", long 92°21'30", Ouachita Parish, at culvert on State Highway 546, and 4.3 mj east of Eros. Drainage area is 8.76 mi ² .	1968-98	1-08-98	10.15	402	12-27-82	14.38	2,770
Bushley Creek at Manifest, La. (07369360)	Lat 31°42'50", long 91°57'10" Catahoula Parish, at bridge on State Highway 8, and 0.5 mi east of Manifest. Drainage area is 64.7 mi ² .	1984-98	1-07-98	41.83	11,700	11-16-87	42.94	15,500
Beaucoup Creek near Cotton Plant, La. (07370600)	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi west of Cotton Plant. Drainage area is 127 mi ² .	1951-68, 1974-98	1-08-98	11.78	6,990	12-28-82 4-23-95	13.92 13.82	17,300 17,300
Brushy Creek near Joyce, La. (07372110)	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi southeast of Joyce. Drainage area is approximately 24 mi ² .	1965-98	1-08-98	44.85	3,270	11-16-87	47.77	16,000
Hemphill Creek at Nebo, La. (07373250)	Lat 31°35'04", long 92°07'55", La Salle Parish, at bridge on State Highway 460, and 0.6 mi east of Nebo. Drainage area is 35.3 mi ² .	1956-63 1978-98	3-07-98	10.78	5,400	11-16-87	14.93	15,800
MONTE SANO BAYOU BASIN								
Monte Sano Bayou at Baton Rouge, La. (07373996)	Lat 30°30'10", long 91°10'12", East Baton Rouge Parish, at bridge on U.S. Highway 61, 1.8 mi upstream from mouth and 3.7 mi north of Baton Rouge Post Office . Drainage area is not determined.	1975-94 ^a , 1995-98	1-08-98	^b 39.88	---			
MISSISSIPPI RIVER DELTA								
Abita River north of Abita Springs, La. (07375222)	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mi north of village of Abita Springs. Drainage area is 46.1 mi ² .	1966-98	1-09-98	^b 21.10	2,250	4-12-95	25.37	6,000
Terrys Creek near Kentwood, La. (07375307)	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.5 mi northeast of Kentwood. Drainage area is 52.0 mi ² .	1966-98	1-08-98	11.95	4,540	4-06-83 1-22-93	14.40 14.40	19,600 19,600
Amite River at Grangeville, La. (07377150)	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. Drainage area is 741 mi ² .	1951-63, 1964-82, 1993-98	1998	(c)	---	4-14-55	118.31	63,800
Sandy Creek near Pride, La. (07377210)	Lat 30°40'14", long 90°57'36", East Baton Rouge Parish, at bridge on Carson Road, 0.8 mi east of intersection of Carson Road with State Highway 409, and 1.9 mi southeast of Pride. Drainage area is 69.9 mi ² .	1976-98	1-08-98	90.01	4,360	4-06-83	21.31	11,800

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis-charge (ft ³ /s)	Date	Gage height (ft)	Dis-charge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued								
Beaver Creek at Peairs Road SE of Milldale, La. (07377233)	Lat 30°38'30", long 91°01'58", East Baton Rouge Parish, at bridge on Peairs Road, 2.3 mi east from junction of State Hwy. 64 and Peairs Road. Drainage area is 8.16 mi ² .	1995-98	1-07-98	^b 89.91	---			
Little Sandy Creek near Greenwell Springs, La. (07377240)	Lat 30°37'36", long 90°59'20", East Baton Rouge Parish, at bridge on State Highway 409, 3.4 mi north of the village of Greenwell Springs. Drainage area is 28.2 mi ² .	1974-85† 1986-94 ^a , 1995-98	1-07-98	^b 65.70	---	4-06-83	76.69	12,500
Amite River at Magnolia, La. (07377300)	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mi east of Magnolia. Drainage area is 884 mi ² .	1949-82	1-09-98 1993-98	45.32	36,200	4-23-77	51.91	85,100
Cypress Bayou at Hooper Road, near Baton Rouge, La. (07377920)	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-92 ^a , 1993-98	1-07-98	^b 48.17	---			
Blackwater Bayou near Baton Rouge, La. (07377940)	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 mi northeast of Baton Rouge Post Office. Drainage area is 14.1 mi ² .	1962-94 ^a 1995-98	1-07-98	^b 46.75	---			
Beaver Bayou at Wax Road near Baton Rouge, La. (07378100)	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 mi northeast of Baton Rouge Post Office. Drainage area is 9.49 mi ² .	1972-98	1-12-98	53.20	---			
Jones Creek at Old Hammond Highway, near Baton Rouge, La. (07378650)	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 mi east of Baton Rouge Post Office. Datum of gage prior to Oct. 1, 1995, 0.43 ft higher. Drainage area is 14.7 mi ² .	1962-95 ^a , 1996-98†	12-18-95 10-26-96 4-27-97 6-18-97 1-06-98	31.12 30.99 31.04 34.44 33.23	^d 1,640 ^d 1,590 ^d 1,610 ^d 3,310 2,570			
Jones Creek near Woodlawn School, near Baton Rouge, La. (07378700)	Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Jones Creek Road 1.6 mi north of Woodlawn School, and 10.5 mi east of Baton Rouge Post Office. Drainage area is 19.5 mi ² .	1967-92 ^a , 1993-98	1-06-98 9-12-98	<10.88 23.12	---			
Clay Cut Bayou at Antioch Road near Baton Rouge, La. (07378722)	Lat 30°23'12", long 91°00'26", East Baton Rouge Parish, at bridge on Antioch Road, 0.25 mi from Tiger Bend Road. Drainage area is not determined.	1995-98	1-09-98	19.73	---			
Bayou Fountain at Gardere Lane, near Baton Rouge, La. (07378800)	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1962-66, 1969-92 ^a , 1993-98	1-07-98	14.74	---			
Bayou Fountain at Bluebonnet Blvd., near Baton Rouge, La. (07378810)	Lat 30°21'01", long 91°06'29", East Baton Rouge Parish, at bridge on Bluebonnet Blvd., 0.25 mi southwest of Highland Rd. Drainage area is not determined.	1995-98	1-07-98	14.10	---			

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis-charge (ft ³ /s)	Date	Gage height (ft)	Dis-charge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued								
Ward Creek at Essen Lane, near Baton Rouge, La. (07379050)	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 mi southeast of Baton Rouge Post Office. Datum of gage, prior to Aug. 8, 1995, 1.30 ft higher. Drainage area is not determined.	1963-70 ^a , 1975-92 ^a , 1993-98	1-06-98	24.20	---			
North Branch Ward Creek at Goodwood Boulevard at Baton Rouge, La (07379090)	Lat 30°26'34", long 91°05'27", East Baton Rouge Parish, at bridge 5.5 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1968-92 ^a , 1993-98	9-12-98	37.53	---			
North Branch Ward Creek at Old Hammond Hwy. at Baton Rouge, La. (07379095)	Lat 30°25'50", long 91°05'11", East Baton Rouge Parish, at bridge on Old Hammond Hwy., 0.3 mi west of Airline Hwy (Hwy 61). Drainage area is not determined.	1995-98	9-12-98	^b 65.17	---			
North Branch Ward Creek at Jefferson Hwy. at Baton Rouge, La. (07379100)	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 mi southeast of Baton Rouge Post Office. Datum of gage, prior to June 15, 1995, 0.35 ft higher. Drainage area is not determined.	1962-95 ^a , 1996-98	1-06-98	(g)				
Dawson Creek at Bluebonnet Blvd. near Baton Rouge, La. (07379960)	Lat 30°22'56", long 91°05'39", East Baton Rouge Parish, at bridge on Bluebonnet Blvd., 0.25 mi north of Perkins Rd. Drainage area is not determined.	1995-98	1-07-98	19.19	---			
MERMENTAU RIVER BASIN								
Castor Creek near Oberlin, La. (08011800)	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on Parish road 0.1 mi upstream from Mulberry Creek, and 8.5 mi east of Oberlin. Drainage area is 43.9 mi ² .	1964-98	1-14-98	47.90	---	9-20-79	49.93	8,560
CALCASIEU RIVER BASIN								
Whisky Chitto Creek tributary near Leesville, La. (08013610)	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, and 3.2 mi upstream from mouth. Drainage area is 0.32 mi ² .	1966-98	1-08-98	8.38	298	3-07-95	11.82	690
Dry Creek at Dry Creek, La. (08015200)	Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi south of Dry Creek. Drainage area is 42.7 mi ² .	1954-68, 1975-98	1-08-98	21.94	2,940	12-22-95	26.51	12,400
SABINE RIVER BASIN								
Bayou Scie at Zwolle, La. (08024030)	Lat 31°37'45", long 93°37'40", Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi east of Zwolle. Drainage area is 45.9 mi ² .	1950-68, 1974-98	1-07-98	12.95	4,380	5-18-89	17.90	22,400

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
SABINE RIVER BASIN--Continued								
Pearl Creek at State Highway 111, at Burr Ferry, La. (08025850)	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge on State Highway 111, and 0.8 mi northeast of Burr Ferry. Drainage area is 9.66 mi ² .	1967-98	1-08-98	8.89	1,360	2-13-84	12.78	3,300

† Operated as a continuous-record gaging station.

a Operated as a flood profile gage.

b Elevation; sea level.

c Missing record

d Revised.

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 1998

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
PEARL RIVER BASIN						
Bogue Chitto at Enon, La. (02491800)	Lat 30°43'10", long 90°05'00", Washington Parish, at bridge on State Highway 437, and 0.5 mi south of Enon. Drainage area is 1,107 mi ² .	1950-63, 1973-98	1-08-98	102.07	4-08-83	124.80
Gum Bayou at St. Hwy. 11 nr Slidell, La. (02492648)	Lat 30°20'40", long 89°45'25", St. Tammany Parish, at bridge on State Highway 11, 2.7 miles north of its intersection with I-12. Drainage area is approximately 17.9 mi ² .	1998	1-07-98	^a 26.98		
Gum Bayou at Davis Landing Rd. nr Slidell, La. (024926489)	Lat 30°19'03", long 89°43'40", St. Tammany Parish, at bridge on Davis Landing Road, approximately 0.2 miles east of intersection with N. Military Road. Drainage area is indeterminate.	1998	1-07-98	^a 8.87		
W-15 Canal at St. Hwy. 11 nr Slidell (02492660)	Lat 30°20'20", long 89°45'31", St. Tammany Parish, at bridge on Highway 11, 2.3 miles north of its intersection with I-12. Drainage area is indeterminate.	1998	1-07-98	(b)		
W-15 Canal at St. Hwy. 190 Slidell, La. (02492664)	Lat 30°17'17", long 89°43'56", St. Tammany Parish, at bridge on State Highway 190 (Gausse Blvd.), 1.14 miles east of its intersection with I-10. Drainage area is indeterminate.	1998	1-07-98	^a 11.04		
RED RIVER BASIN						
Cross Bayou west of Greenwood, La. (07344425)	Lat 32°27'21", long 94°00'52", Caddo Parish, at bridge on U.S. HWY 80, 2.4 mi west of intersection with State Highway 169. Drainage area is 26.30 mi ² .	1998†, ^c	3-16-98	^d 13.65	3-16-98	^d 13.6
Paw Paw Bayou near Greenwood, La. (07344450)	Lat 32°31'00", long 93°58'20", Caddo Parish, at bridge on State Highway 169, 5.1 miles north of Greenwood. Drainage area 80.5 mi ² .	1955-86†, 1998†, ^c	3-17-98	181.00	6-27-86	186.32
Shettleworth Bayou near Blanchard, La. (07344460)	Lat 32°34'00", long 93°56'25", Caddo Parish, at bridge on Blanchard-Furth road, 3.1 miles west of Blanchard, La. Drainage area 19.5 mi ² .	1998†, ^c	3-16-98	^d 11.55	3-16-98	^d 11.55
Sand Beach Bayou at Shreveport, La. (07350820)	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, and 4.3 mi southeast of Shreveport city hall. Drainage area is not determined.	1963-98	10-24-97	150.03	5-07-78	163.00
Brush Bayou at Shreveport, La. (07351200)	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Transportation Railway Company railroad bridge, and 4.9 mi southwest of Shreveport city hall. Drainage area is 3.4 mi ² .	1960-98		<180.63	6-01-67	187.85

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
RED RIVER BASIN--Continued						
Brush Bayou near Shreveport, LA, (07351300)	Lat 32°23'25", long 93°46'15, Caddo Parish, at bridge on State Highway 526, and 2.5 mi south of Shreveport. Drainage area is 27.1 mi ² .	1960-98	1-08-98	158.32	4-12-91	166.33
Bayou Pierre at Powhatan, La. (07351755)	Lat 31°51'37", long 93°12'22", Natchitoches Parish, at bridge on State Highway 485, 1.0 mi southwest of Powhatan, and 11.8 mi upstream from mouth. Drainage area is 879 mi ² .	1981-85†, 1986-98†, ^c	1-15-98	29.88	5-18-90	118.28
Bayou Rapides near Alexandria, La. (07355475)	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on Parish Road 1202, 12.2 mi upstream from mouth, and 6.9 mi west of Alexandria city hall. Drainage area is indeterminate.	1963-86, 1990-98	9-12-98	78.55	1979	81.91
Bayou Bartholomew northwest of Jones, La. (07364203)	Lat 32°58'55", long 91°42'00", Morehouse Parish, on right bank, 3.2 mi northwest of Jones. Drainage area is approximately 1,190 mi ² .	1973-85†, 1986-98†, ^c	1-29-98	19.21	5-05-91	27.56
Ouachita River at Sterlington, La. (07364535)	Lat 32°41'46", long 92°05'12", Ouachita-Union Parish line, on bridge on State Highway 2 at Sterlington. Drainage area is 12,953 mi ² .	1979-98†	3-23-98	71.81	5-07-73	85.65
Bayou D'Arbonne below dam, near Downsville, La. (07366365)	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, and 7.4 mi northeast of Downsville. Drainage area is 1,607 mi ² .	1978-98	3-11-98	70.18	4-30-91	86.33
Black Bayou at West Monroe, La. (07367030)	Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit, at West Monroe. Drainage area is not determined.	1978-98	1-09-98	35.91	4-29-91	43.10
Boeuf River southwest of Rayville, La. (07368040)	Lat 32°25'40", long 91°49'05", Richland Parish, on left bank 5.0 mi southwest of Rayville. Drainage area is not determined.	1974-85†, 1986-98†, ^c	1-12-98	11.57	5-04-91	66.24
Youngs Bayou at Monroe, La. (07369016)	Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S. Highway 165, and 0.3 mi south of junction with Interstate 20 at Monroe. Drainage area is not determined.	1978-98	1-09-98	57.84	5-05-89	68.16
Youngs Bayou near Monroe, La. (07369024)	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, and 3.1 mi southeast of Monroe. Drainage area is not determined.	1978-98	1-09-98	62.41	5-05-91	65.58
Bayou Lafourche near Alto, La. (07369050)	Lat 32°23'50", long 91°59'40", Ouachita-Richland Parish line at bridge on State Highway 15, and 8.0 mi west of Alto. Drainage area is not determined.	1973-85†, 1986-98†, ^c	1-12-98	60.43	4-23-47	63.80
Tensas River southeast of Tendal, La. (07369515)	Lat 32°23'17", long 91°20'05", Madison Parish, on right bank 3.5 mi southeast of Tendal. Drainage area is not determined.	1975-85†, 1986-98†, ^c	1-09-98	20.18	5-05-91	74.42

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
RED RIVER BASIN--Continued						
Little River at Rochelle, La. (07372190)	Lat 31°47'35", long 92°21'42", Grant-La Salle Parish line, at bridge on U.S. Highway 165, at Rochelle. Drainage area is 1,892 mi ² .	1938-46†, ^e 1948-57†, ^e 1958-73†, ^c 1974-85†, 1986-98†, ^c	1-11-98	^f 39.35	4-25-95	72.17
BAYOU BATON ROUGE BASIN						
South Canal near Baker, La. (07373965)	Lat 30°37'00", long 91°08'56", East Baton Rouge Parish, at bridge on McHugh Road, 1.4 mi upstream from Cypress Bayou, and 2.3 mi northeast of Baker. Drainage area is not determined.	1972-82†, 1983-87 ^B , 1988-98	1998	(B)	4-15-67	79.52
Baker Canal near Baker, La. (07373980)	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 mi southwest of Baker. Drainage area is not determined.	1963-70, 1971-93† 1995-98	1998	<58.53	4-28-62	65.22
MONTE SANO BAYOU BASIN						
Monte Sano Bayou at Metro Airport at Baton Rouge, La. (07373993)	Lat 30°32'08", long 91°09'32", East Baton Rouge Parish, at bridge on Bessie Coleman Dr. 6.1 mi north of Baton Rouge Post Office. Drainage area is not determined.	1975-98	1-07-98	56.77	11-25-79	59.33
MISSISSIPPI RIVER DELTA						
W-14 Canal at Roberts Road at Slidell, La. (07374570)	Lat 30°17'35", long 89°46'00", St. Tammany Parish, on downstream side of concrete culvert on Roberts Road, 1.5 miles northeast of Slidell City Hall. Drainage area is indeterminate.	1986-87 1998	1-07-98	^a 12.98		
W-14 Canal at Slidell, La. (07374571)	Lat 30°18'39", long 89°46'04", St. Tammany Parish, at bridge on Brownsitch Rd., approximately 2.6 miles WNW of Slidell City Hall. Drainage area is indeterminate.	1998	1-07-98	^a 16.58		
W-14 Canal at Daney St. at Slidell, La. (07374572)	Lat 30°16'12", long 89°46'13", St. Tammany Parish, at bridge on Daney St., approximately 0.8 miles due west of the intersection of I-10 and U.S. Highway 190 Business Route. Drainage area is indeterminate.	1998	1-07-98	^a 6.90		
Bayou Liberty nr Slidell, La. (07374581)	Lat 30°18'04", long 89°49'50", St. Tammany Parish, at bridge on St. Tammany Trace Bike Path, approximately 3.4 miles west, northwest of Slidell City Hall. Drainage area is indeterminate.	1998	1-07-98	^a 7.08		
Bayou Lacombe nr Lacombe, La. (07374585)	Lat 30°21'54", long 89°55'20", St. Tammany Parish, at bridge on Krentel Road, 6.27 miles due west of Slidell airport.	1998	3-08-98	^a 17.67		
Bayou Chinchuba nr Mandeville, La. (07374595)	Lat 30°23'35", long 90°03'02", St. Tammany Parish, at bridge on St. Tammany Trace Bike Path, approximately 2.2 miles from Mandeville City Hall. Drainage area is not determined.	1998	1-07-98 3-08-98	^a 18.92 ^a 19.00		

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Bayou Chinchuba at St. Hwy. 190 nr Mandeville, La. (07374598)	Lat 30°22'46", long 90°05'28", St. Tammany Parish, at bridge on south-bound lane of State Highway 190, approximately 3.1 miles south of intersection with I-12. Drainage area is not determined.	1998	1-07-98 3-08-98	^a 10.08 ^a 7.89		
Bayou Tete L'ours nr Mandeville, La. (07375228)	Lat 30°24'16", long 90°05'31", St. Tammany Parish, at bridge on Evangeline Dr., 2.3 miles northwest of Mandeville City Hall. Drainage area is not determined.	1998	1-07-98	^a 10.77		
Little Sandy Creek near Milldale, La. (07377215)	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi north of Milldale. Drainage area is not determined.	1975-96 1997 ^b 1998	1-07-98	111.91	2-25-97	115.56
Little Sandy Creek SE of Milldale, La. (07377230)	Lat 30°38'36", long 91°01'26", East Baton Rouge Parish, at bridge on Peairs Rd, 2.0 mi west from intersection of Liberty and Peairs Rd. Drainage area is not determined.	1995-98	1-07-98	73.48	12-18-95	74.72
Sandy Creek near Greenwell Springs, La. (07377250)	Lat 30°36'08", long 90°59'57", East Baton Rouge Parish, at bridge on State Highway 37, 1.5 mi north of village of Greenwell Springs, La. Drainage area is not determined.	1982-98†	1-08-98	57.37	1-26-90	62.20
White Bayou East Diversion Channel near Baton Rouge, La. (07377755)	Lat 30°37'00", long 91°06'55", East Baton Rouge Parish at bridge on U.S. Highway 67 (Plank Road) 12.2 mi north of Baton Rouge, and 6.5 mi northeast of terminal building at Metro Airport at Baton Rouge. Drainage area is not determined.	1972-84†, 1986-87 ^b , 1988-98	1-07-98	76.15	12-24-71	79.48
White Bayou at State Highway 64, near Zachary, La. (07377780)	Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 mi east of Zachary. Drainage area is not determined.	1962-75, 1977-96 1997-98†, ^c	1-07-98	88.53	4-07-83	92.24
White Bayou near Baton Rouge, La. (07377840)	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-98	1-07-98	71.71	4-07-83	73.23
White Bayou near Baker, La. (07377842)	Lat 30°34'45", long 91°07'18", East Baton Rouge Parish at bridge on Pettit Road, and 2.9 mi east of City of Baker. Drainage area is not determined.	1972-84†, 1986-87 ^b , 1988-98	1-07-98	^g 9.31	4-23-77	17.25
Cypress Bayou at Baker, La. (07377890)	Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mi east of State Highway 19 at Baker. Drainage area is not determined.	1967-69, 1971-98	1998	<65.22	4-17-67	69.56

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Cypress Bayou at Plank Road, near Baton Rouge, La. (07377900)	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-65, 1967-98	1-07-98	50.89	4-14-67	59.27
Blackwater Bayou near Fred, La. (07377933)	Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, 3.8 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1975-98	1-07-98	73.37	4-12-95	73.44
Hurricane Creek at Baton Rouge, La. (07378008)	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Drive, 3.9 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1-08-98 4-08-98	<42.14 43.98	4-07-83	51.13
Hurricane Creek near Baton Rouge, La. (07378010)	Lat 30°29'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Road, 6.2 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-98	1-08-98 4-08-98	42.70 32.67	5-18-53	51.30
Roberts Canal at Baton Rouge, La. (07378015)	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silverleaf Ave., 5.3 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1-08-98	47.97	4-17-67	55.35
Roberts Canal near Baton Rouge, La. (07378020)	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-98	1998	(b)	4-07-83	51.10
Comite River at Greenwell Springs Road, near Baton Rouge, La. (07378050)	Lat 30°30'20", long 91°02'24", East Baton Rouge Parish, at bridge on Greenwell Springs Road, 9.4 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1981-88† 1989-98†, ^c	1-08-98	41.63	4-22-77	47.05
Beaver Bayou at Denham Road near Baton Rouge, La. (07378075)	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1972-98	1-12-98	60.78	7-28-94	70.85
Beaver Bayou at Hooper Road near Baton Rouge, La. (07378083)	Lat 30°33'39", long 91°01'15", East Baton Rouge Parish, at box culvert on State Highway 408, 8.6 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1982-96†, 1997-98†, ^c	1-12-98	60.78	4-11-95	62.47
Beaver Bayou tributary at Hooper Road near Baton Rouge, La. (07378091)	Lat 30°33'24", long 91°01'52", East Baton Rouge Parish, at culvert, 12 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1983-98	1-12-98	59.41	4-07-83	60.64

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Jones Creek at Airline Highway, at Baton Rouge, La. (07378595)	Lat 30°27'52", long 91°05'15", East Baton Rouge Parish, at culvert 5.1 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1-06-98 9-12-98	45.68 45.96	9-06-77	49.81
Jones Creek at Florida Boulevard, at Baton Rouge, La. (07378600)	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 mi east of Baton Rouge Post Office. Drainage area is not determined.	1962-98	1-06-98 9-12-98	43.48 <38.68	4-14-67	45.69
Lively Bayou northeast of Baton Rouge, La. (07378635)	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 mi east of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1-06-98	38.53	4-14-67	44.58
Lively Bayou east of Baton Rouge, La. (07378640)	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 mi east of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1-06-98	37.26	8-02-83	42.03
Lively Bayou southeast of Baton Rouge, La. (07378645)	Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.8 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1-06-98	34.57	9-06-77	39.68
Weiner Creek near Baton Rouge, La. (07378670)	Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge, on Stanley Aubin Drive, 7.3 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1-12-98	40.48	3-25-76	43.71
Clay Cut Bayou at Siegen Lane near Baton Rouge, La. (07378720)	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1-09-98	26.71	4-13-69	29.98
Clay Cut Bayou near Hope Villa, La. (07378725)	Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Road, 2.3 mi northeast of Hope Villa. Drainage area is not determined.	1967-98	1-09-98	19.12	6-28-89	26.26
Bayou Fountain at Ben Hur Road at Baton Rouge, La. (07378780)	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1962-98	1--07-98	18.11	10-04-64	19.43
Bayou Fountain tributary near Baton Rouge, La. (07378805)	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Road, 9.1 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1967-98	1--07-98	11.65	4-22-79	14.38

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Ward Creek at Government Street, at Baton Rouge, La. (07379000)	Lat 30°20'20", long 91°08'35", East Baton Rouge Parish, on downstream end of culvert on Government Street, and 2.4 mi east of Baton Rouge Post Office. Drainage area is 4.04 mi ² .	1954-67†, 1969-73†, ^c 1975-98†, ^c	1-06-98 1-12-98	39.42 40.30	9-26-57	45.28
Ward Creek at College Drive, at Baton Rouge, La. (07379010)	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1970-98	1-06-98 1-12-98	<32.72 36.71	3-06-96	41.84
Dawson Creek at Perkins Road at Baton Rouge, La. (07379400)	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1962-98	1-07-98	^d 15.37	4-14-67	23.83
Corporation Canal at Oklahoma Street, at Baton Rouge, La. (07379502)	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mi south of Baton Rouge Post Office. Drainage area is 0.56 mi ² .	1971-98	1-12-98	24.36	3-24-73	28.71
Corporation Canal at East Roosevelt Street, at Baton Rouge, La. (07379503)	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 mi southeast of Baton Rouge Post Office. Drainage area is approximately 1.31 mi ² .	1971-98†, ^c	1-12-98	21.91	4-11-95	23.84
Corporation Canal at Stanford Avenue at Baton Rouge, La. (07379508)	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 mi southeast of Baton Rouge Post Office. Drainage area is 2.43 mi ² .	1971-98	1-12-98	19.35	6-28-89	24.31
Bayou Duplantier at Lee Drive, at Baton Rouge, La. (07379550)	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 mi south of Baton Rouge Post Office. Drainage area is not determined.	1962-70, 1971-98†, ^c	1-07-98	20.27	4-14-67	23.69
Dawson Creek at Staring Lane near Baton Rouge, La. (07379950)	Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1962-98	1-07-98	(b)	4-14-67	23.15
Bluff Swamp nr Prairieville, La. (07380095)	Lat 30°19'40", long 90°01'10", Ascension Parish, at lock on Alligator Bayou Rd, 3.8 mi northwest of Prairieville Post Office. Drainage area is 6.60 mi ² .	1998†, ^c	1-28-98	7.90		
Welsh Gully nr Prairieville, La. (07380102)	Lat 30°20'12", long 90°58'08", Ascension Parish, at bridge on John Broussard Rd, 2.6 mi north of Prairieville Post Office. Drainage area is 2.09 mi ² .	1998†, ^c	1-10-98	10.47		

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Muddy Creek at Prairieville, La. (07380103)	Lat 30°18'20", long 90°57'33", Ascension Parish, at bridge on Henry Rd, 0.8 mi east of Hwy. 73 and 0.7 mi northeast of Prairieville Post Office. Drainage area is not determined.	1998	9-12-98	19.00		
Muddy Creek nr Prairieville, La. (07380107)	Lat 30°19'42", long 90°56'47", Ascension Parish, at bridge on Manchac Acres Rd, 1.9 mi north northeast of Oak Grove. Drainage area is not determined.	1998†, c	9-12-98	(b)		
Henderson Bayou Trib #2 near Duplessis, La. (07380125)	Lat 30°17'27", long 90°53'55", Ascension Parish, at bridge located on Merritt Evans Rd and 3.2 mi northeast of Duplessis. Drainage area is not determined.	1963-84 1998	9-12-98	15.79	4-09-83	14.38
Grand Goudine Bayou near Prairieville, La. (073802292)	Lat 30°17'55", long 90°57'34", Ascension Parish, at bridge located on Hwy 73, 1.1 mi south southwest of Prairieville. Drainage area is not determined.	1998	9-12-98	13.00		
New River at Gonzales, La. (07380223)	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mi northeast of Gonzales water tower. Drainage area is not determined.	1963-98	9-12-98	6.17	4-22-79	10.15
Black Bayou near Prairieville, La. (0738022385)	Lat 30°17'34", long 90°56'18", Ascension Parish, at bridge on Highway 929 (Braud Rd), 1.8 mi east of Prairieville Post Office. Drainage area is not determined.	1998	9-12-98	15.97		
Bayou Francois near Gonzales, La. (07380226)	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 mi west of Gonzales water tower. Drainage area is not determined.	1963-98	9-12-98	9.65	2-18-88	10.03
Bayou Francois at Gonzales, La. (07380227)	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mi southwest of Gonzales water tower. Drainage area is not determined.	1963-98	9-12-98	8.06	4-22-79	9.18
Bayou Lafourche below weir at Thibodaux, La. (07381002)	Lat 29°47'56", long 90°04'11", Lafourche Parish, on Canal Street, 1200 ft below State Highway 20 at Thibodaux and approximately 200 ft below weir. Drainage area is not determined.	1986-98†, c	1-15-98	5.45	5-09-91	8.64
Bayou Rapides-Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, La. (07382258)	Lat 31°13'39", long 92°29'49", Rapides Parish, at bridge 6.5 mi southwest of Alexandria city hall. Drainage area is not determined.	1963-86, 1990-98	1-15-98	68.75	12-27-82	71.09

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Bayou Courtableau near Washington, La. (07382495)	Lat 30°38'53", long 92°03'40", St. Landry Parish, 0.1 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, 2.0 mi northwest of Washington, and 3.4 mi upstream from gaging station, Bayou Courtableau at Washington. Drainage area is 701 mi ² .	1946-75 ^e , 1976-85 [†] , 1986-98 ^{†,c}	1-15-98	31.14	11-05-85	34.17
Hynson Bayou at Bringhurst Park, at Alexandria, La. (07382840)	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, and 1.7 mi south of Alexandria city hall. Drainage area is not determined.	1963-86, 1990-98	9-12-98	75.82	10-23-72	77.79
Horseshoe Drainage Canal at Packing House Road, at Alexandria, La. (07382850)	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi south of Alexandria city hall. Drainage area is not determined.	1959-86 1990-98	1-15-98	70.43	12-15-67	72.43
Hynson Bayou at Hudson St., at Alexandria, La. (07382855)	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi southeast of Alexandria city hall. Drainage area is not determined.	1963-86, 1990-98	1-09-98	70.21	7-23-69	73.88
Persimmon Bayou near Alexandria, La. (07382865)	Lat 31°13'45", long 92°22'51", Rapides (a) Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 mi southeast of Alexandria city hall. Drainage area is not determined.	1963-86, 1990-98	1-15-98	67.75	12-15-67	75.01
Bayou des Glaisses diversion channel near Moreauville, La. (07383510)	Lat 30°59'59", long 91°58'57", Avoyelles Parish, at bridge on unnumbered parish road, and 2.5 mi south of Moreauville. Drainage area is 284 mi ² .	1972-85 [†] , 1986-98 ^{†,c}	1-07-98	^a 20.20	4-21-77	22.76
Bayou Teche at Robin, La. (07385470)	Lat 30°26'48", long 91°55'22", St. Landry Parish, near center of span on downstream side of bridge between State Highways 31 and 740 at Robin, and 3.7 mi upstream from gaging station, Bayou Teche at Arnaudville. Drainage area is not determined.	1947-85 [†] , 1986-98 ^{†,c}	1-12-98	21.29	4-21-77	23.00
Bayou Teche below Keystone Lock and Dam near St. Martinville, La. (07385702)	Lat 30°04'14", long 91°49'44", St. Martin Parish, on downstream side of Keystone Lock and Dam 3.5 mi south of St. Martinville and 11 mi upstream from Loreauville Canal. Drainage area is not determined.	1985-98 ^{†,c}	9-12-98	^a 12.14	5-27-27	24.30
Bayou Borbeaux nr Sunset, La. (07386510)	Lat 30°26'55", long 92°04'15", St. Landry Parish, approximately 2.5 miles north on I-49 Service Road from Hwy. 92 near Grand Coteau. Drainage area is not determined.	1998 ^{†,c}	1-07-98	(b)		

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1998--Continued

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Bayou Vermilion nr Carencro, La. (07386600)	Lat 30°22'05", long 91°59'15", Lafayette Parish approximately 1.1 mi northeast of intersection of Arnaudville Road and Hwy. 726, on the Arnaudville Road, northeast of Lafayette. Drainage area is not determined.	1997-98†, c,h				
Ruth Canal at Ruth, La. (07386705)	Lat 30°14'34", long 91°53'05", St. Martin Parish, on right bank, 150 ft downstream from control structure, 0.5 mi northwest of Ruth, 0.6 mi downstream from point of diversion from Bayou Teche, and 2.5 mi south of town of Breaux Bridge. Drainage area is not determined.	1959-85†, 1986-98†, c	1-15-98	11.75	8-14-40	18.50
Vermilion River near Lafayette, La. (07386850)	Lat 30°13'08", long 91°56'20", Lafayette Parish, approximately 1.6 mi southeast of the intersection of Lake Martin Road and Hwy. 94, on Lake Martin Road, southeast of Lafayette. Drainage area is not determined.	1997-98†, c,h				
Vermilion River at Hwy. 733 near Lafayette, La. (07386940)	Lat 30°08'30", long 92°04'32", Lafayette Parish, on State Hwy. 733 about 1.3 mi southeast of intersection of State Highways 167 and 733, near Lafayette. Drainage area is not determined.	1997-98†, c,h				
Isaac Verot Coulee at Hwy. 733 near Lafayette, La. (07386945)	Lat 30°08'15", long 92°04'32", Lafayette Parish, on State Highway 733 about 2.0 mi southeast of intersection of State Highways 167 and 733 near Lafayette. Drainage area is not determined. (Discontinued)	1997-97†, c				

< Less than amount shown.

† Operated as a continuous-record gaging station.

a Elevation, NAVD 1988.

b Missing record.

c Daily records unpublished.

d Gage datum, sea level of gage not determined.

e Operated by the Corps of Engineers.

f High-water mark.

g Operated as a crest-stage partial-record station.

h Discontinued as partial-record; established as continuous-record station on 10-1-97.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1998

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PEARL RIVER BASIN						
Bogue Lusa Creek	Pearl River	Lat 30°46'56", long 89°52'24", Washington Parish, on downstream side of bridge on State Highway 439, at Bogalusa, 0.3 mi upstream from Ice Water Branch, 0.9 mi downstream from Adams Creek, and 4.0 mi up- stream from mouth.	72.9	1963-86a 1990, 1993-98	10-01-97	34.0
					12-01-97	87.8
					4-08-98	85.9
					6-03-98	36.1
					8-03-98	28.1
MISSISSIPPI RIVER DELTA						
Armor Gap East	Gulf of Mexico	Lat 29°13'12", long 89°16'18", Plaquemines Parish, Hydrologic Unit 08090100, at Mary Bower Pond above Pilot Town.	---	1998	10-28-97	269
					2-04-98	1,660
					4-10-98	2,240
					5-25-98	2,290
					6-29-98	1,690
Armor Gap West	Gulf of Mexico	Lat 29°13'00", long 89°16'43", Plaquemines Parish, Hydrologic Unit 08090100, at Mississippi River above Pilot Town.	---	1998	8-26-98	1,030
					10-28-97	250
					2-04-98	2,520
					4-10-98	3,450
					5-26-98	4,040
Houma Navigation Canal	Gulf of Mexico	Lat 29°23'06", long 90°43'47", Terrebonne Parish, Hydrologic Unit 08090302, at Dulac.	---	1997-98	6-30-98	2,360
					8-26-98	1,090
					9-24-97	4,686
					11-19-97	4,240
					11-19-97	11,200
Avoca Island Cutoff	Gulf of Mexico	Lat 29°31'59", long 91°14'26", Terrebonne Parish, Hydrologic Unit 08090302, south of Morgan City.	---	1995-98	1-28-98	13,700
					5-01-98	9,170
					6-03-98	5,980
					6-15-98	4,670
					9-24-97	6,560
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°33'34", long 90°43'12", Terrebonne Parish, Hydrologic Unit 08090301, west of Houma.	---	1995-98	11-20-97	3,140
					11-21-97	10,700
					1-28-98	1,880
					4-28-98	21,200
					6-04-98	31,100
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°34'08", long 90°23'04", Lafourche Parish, Hydrologic Unit 08090302, east of Bayou Lafourche at Larose.	---	1997-98	6-16-98	25,800
					9-23-97	1,635
					11-18-97	865
					1-27-98	3,880
					4-02-98	1,980
Bayou Lafourche	Gulf of Mexico	Lat 29°34'17", long 90°22'58", Lafourche Parish, Hydrologic Unit 08090301, south of Gulf Intracoastal Waterway at Larose.	---	1998	5-05-98	3,260
					6-02-98	4,930
					6-15-98	4,720
					8-11-98	2,690
					4-02-98	1,330
Bayou Lafourche	Gulf of Mexico	Lat 29°34'22", long 90°23'10", Lafourche Parish, Hydrologic Unit 08090301, north of Gulf Intracoastal Waterway at LaRose.	---	1998	4-02-98	621

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1998

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued						
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°34'41", long 90°22'49", Lafourche Parish, Hydrologic Unit 08090301, west of Bayou Lafourche at Larose.	---	1997-98	9-23-97	1,710
					11-18-97	746
					1-27-98	4,240
					4-02-98	2,160
					5-05-98	2,520
					6-02-98	5,320
					6-15-98	4,030
8-11-98	2,620					
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°34'00", long 90°43'20", Terrebonne Parish, Hydrologic Unit 08090302, west of Houma Navigation Canal at Houma.	---	1997-98	9-24-97	845
					11-18-97	2,700
					11-19-97	4,330
					1-27-98	10,400
					5-06-98	7,800
					6-03-98	10,400
					6-15-98	7,720
8-11-98	5,520					
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°35'25", long 90°42'46", Terrebonne Parish, Hydrologic Unit 08090302, east of Houma Navigation Canal at Houma.	---	1997-98	9-24-97	3,300
					11-18-97	1,360
					11-19-97	41
					1-27-98	1,860
					5-06-98	4,332
					6-03-98	4,020
					6-15-98	4,610
8-11-98	3,060					
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°37'37", long 91°02'43", Terrebonne Parish, Hydrologic Unit 08090302, near Bay Wallace east of Morgan City.	---	1997-98	9-24-97	3,700
					11-20-97	1,900
					11-21-97	2,040
					1-28-98	9,340
					4-28-98	9,900
					6-03-98	9,870
					6-16-98	8,900
Company Canal	Gulf of Mexico	Lat 29°38'47, long 90°32'13", at Hwy. 1 at Lockport, Lafourche Parish, Hydrologic Unit 08090302	---	1997-98	4-12-98	168
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°38'48", long 91°23'11", St. Mary Parish, Hydrologic Unit 08080101, east of Wax Lake Outlet near Calument.	---	1997-98	9-25-97	10,700
					11-25-97	5,980
					11-26-97	7,650
					1-29-98	16,200
					4-30-98	12,700
					6-05-98	12,300
					6-17-98	8,890
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°38'58", long 91°23'58", St. Mary Parish, Hydrologic Unit 08080101, west of Wax Lake Outlet south of Calument.	---	1997-98	9-25-97	4,770
					11-25-97	5,260
					11-26-97	3,020
					1-29-98	16,100
					4-30-98	16,000
					6-05-98	13,800
					6-17-98	10,300
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°39'31", long 91°14'52", St. Mary Parish, Hydrologic Unit 08080101, at Lower Atchafalaya River south of Morgan City.	---	1997-98	9-29-97	11,279
					11-25-97	7,320
					11-26-97	8,600
					1-29-98	25,600
					6-05-98	16,600
					6-17-98	12,317

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1998

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued						
Bayou Shaffer	Gulf of Mexico	Lat 29°40'42", long 91°11'55", St. Mary Parish, Hydrologic Unit 08080101, at Morgan City.	---	1998	4-01-98 6-04-98 6-17-98	43,700 32,700 25,300
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°43'27", long 91°33'08", St. Mary Parish, Hydrologic Unit 08080102, east of Jaws Bay.	---	1997-98	9-25-97 11-25-97 11-26-97 1-29-98 4-30-98 6-05-98 6-19-98	6,882 4,800 4,550 17,000 12,900 12,400 9,900
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°45'34", long 91°40'00", St. Mary Parish, Hydrologic Unit 08080103, west of Jaws Bay.	---	1997-98	9-25-97 11-25-97 11-26-97 1-29-98 4-30-98 6-05-98 6-19-98	5,206 2,000 2,260 10,200 4,470 3,340 2,660
Bayou Lafourche	Gulf of Mexico	Lat 29°45'14", long 90°43'42", Lafourche Parish, Hydrologic Unit 08090301, nr Raceland.	---	1997-98	4-02-98	212
Atchafalaya River	Gulf of Mexico	Lat 29°47'35", long 91°21'56", St. Martin Parish, Hydrologic Unit 08080101, at Cypress Pass.	---	1998	10-30-97 11-24-97 1-09-98 1-26-98 2-23-98 3-31-98 5-20-98 6-18-98 7-28-98 8-31-98 9-25-98	55,200 66,300 127,000 158,000 151,000 155,000 177,000 126,000 109,000 66,900 48,600
West Grand Lake	Gulf of Mexico	Lat 29°48'42", long 91°23'48", St. Mary Parish, Hydrologic Unit 08080101, upstream of Island.	---	1998	10-30-97 11-24-97 1-09-98 1-26-98 2-23-98 3-31-98 5-20-98 6-18-98 7-29-98 8-31-98 9-25-98	42,600 49,400 111,000 171,000 150,000 158,000 182,000 107,000 90,700 53,900 36,800
Bayou Lafourche	Gulf of Mexico	Lat 30°05'47", long 91°00'21", Ascension Parish, at bridge connecting Hwy. 1 and 308, 1.0 mi S of Marchand Dr. (Hwy. 70E) in Donaldsonville, LA.	---	1994-98	12-15-97 4-02-98	414 259

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge Measurements Made at Miscellaneous Sites During Water Year 1998

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
CALCASIEU RIVER BASIN						
Calcasieu River	Gulf of Mexico	Lat 30°49'20", long 92°41'04", Allen Parish, at bridge on State Highway 10, 1.4 mi north-east of junction of U.S. Highway 165 and State Highway 10 in Oakdale.	(c)	1953, 1982-85, 1992, 1994-98	12-05-97 8-04-98	535 24.6

GROUND-WATER LEVELS

ACADIA PARISH

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 2 IN., DEPTH 202 FT, SCREENED 192-202. MP* TOP OF 6-IN. CASING, 1.15 FT ABOVE LSD. LSD 25.8 FT ABOVE SEA LEVEL.
 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. 10, 1997	72.29	JAN. 15, 1998	66.83	APR. 27, 1998	75.73	AUG. 13, 1998	82.79

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,363 FT, SCREENED 1,358-1,363. MP TOP OF 1 1/2-IN. CASING, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970,
 LOWEST WATER LEVEL 69.47 BELOW LSD, DEC. 8, 1993.
 RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	66.57	JAN. 15, 1998	61.73	APR. 27, 1998	63.28	AUG. 13, 1998	65.06

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE 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. CASING, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 43.59 BELOW LSD, MAR. 5, 1968,
 LOWEST WATER LEVEL 72.59 BELOW LSD, AUG. 13, 1998.
 RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	68.65	JAN. 15, 1998	64.72	APR. 27, 1998	64.88	AUG. 13, 1998	72.59

ALLEN PARISH

303004092541101 LOCAL WELL NUMBER: AL-241

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 6S., R. 5W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 62 FT, SCREENED 59-62. MP TOP OF 1 1/4-IN. CASING, 4.00 FT ABOVE LSD.
 LSD 42.97 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 23.84 BELOW LSD, MAR. 21, 1961,
 LOWEST WATER LEVEL 34.26 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1957-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1997	32.29	JAN. 14, 1998	27.60	APR. 28, 1998	30.83	JULY 14, 1998	32.81

See footnotes at end of table.

GROUND-WATER LEVELS

ALLEN PARISH--Continued

303118092493901 LOCAL WELL NUMBER: AL-269

OWNER: QUATRE PARISH COMPANY. (SEC. 24, T. 6S., R. 5W.) DRILLED DOMESTIC ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 4 IN., DEPTH 660 FT, SCREENED INTERVAL UNKNOWN. MP 1/2-IN. HOLE IN SANITARY SEAL, 1.38 FT ABOVE LSD.
 LSD 45 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 49.62 BELOW LSD, FEB. 13, 1995,
 LOWEST WATER LEVEL 54.57 BELOW LSD, MAY 18, 1993.
 RECORDS AVAILABLE 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1997	51.36	JAN. 14, 1998	50.34	APR. 28, 1998	50.54	JULY 14, 1998	52.30

ASCENSION PARISH

301544090543901 LOCAL WELL NUMBER: AN-267

OWNER: CITY OF GONZALES. (SEC. 16, T. 9S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 10 IN., DEPTH 488 FT, SCREENED 388-488. MP PLUG IN 2-IN. BREATHER CHLORINATOR PIPE, 6.1 FT ABOVE LSD.
 LSD 7 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.28 BELOW LSD, MAY 20, 1997,
 LOWEST WATER LEVEL 9.80 BELOW LSD, OCT. 23, 1997.
 RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1997	9.80	MAR. 5, 1998	6.38	MAY 6, 1998	4.96	JULY 1, 1998	7.38

AVOUELLES PARISH

310453092022901 LOCAL WELL NUMBER: AV-164

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 192 FT, SCREENED 182-192. MP TOP OF CASING, 0.63 FT ABOVE LSD.
 LSD 80 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 33.78 BELOW LSD, JUNE 30, 1975,
 LOWEST WATER LEVEL 41.90 BELOW LSD, NOV. 5, 1992.
 RECORDS AVAILABLE 1966-79, 1985-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	37.60	JAN. 6, 1998	37.69	APR. 6, 1998	36.61	JULY 14, 1998	37.33

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 365-370. MP TOP OF BUSHING, 3.35 FT ABOVE LSD.
 LSD 95 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 55.02 BELOW LSD, JULY 18, 1973,
 LOWEST WATER LEVEL 67.49 BELOW LSD, MAR. 4, 1981.
 RECORDS AVAILABLE 1966-84, 1986-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	63.20	FEB. 3, 1998	61.25	APR. 6, 1998	61.64	JULY 14, 1998	62.76

GROUND-WATER LEVELS

AVOYELLES PARISH-Continued

311708092073701 LOCAL WELL NUMBER: AV-329

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 4N., R. 3E.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 45 FT, SCREENED 42-45. MP TOP OF CASING, AT LSD.

LSD 45.6 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 0.10 ABOVE LSD, MAR. 15, 1973,

LOWEST WATER LEVEL 13.00 BELOW LSD, OCT. 27, 1983.

RECORDS AVAILABLE 1968-76, 1980-85, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	10.14	FEB. 3, 1998	2.18	APR. 6, 1998	2.25	JULY 14, 1998	8.21

BEAUREGARD PARISH

303644093020401 LOCAL WELL NUMBER: BE-430

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 5S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 123 FT, SCREENED 118-123. MP TOP OF 2-IN. GALV. PIPE, 3.00 FT ABOVE LSD.

LSD 120 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 57.57 BELOW LSD, JULY 11, 1995,

LOWEST WATER LEVEL 63.43 BELOW LSD, DEC. 7, 1993.

RECORDS AVAILABLE 1974-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1997	58.22	JAN. 14, 1998	58.50	APR. 28, 1998	58.05	JULY 14, 1998	58.32

305018093251301 LOCAL WELL NUMBER: BE-443

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 164 FT, SCREENED 159-164. MP TOP OF 2-IN. GALV. PIPE, 2.40 FT ABOVE LSD.

LSD 206 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 33.16 BELOW LSD, APR. 8, 1992,

LOWEST WATER LEVEL 37.71 BELOW LSD, OCT. 6, 1993.

RECORDS AVAILABLE 1974-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1997	36.25	APR. 9, 1998	34.79	JULY 8, 1998	36.34	SEP. 29, 1998	36.20
FEB. 4, 1998	34.56						

BIENVILLE PARISH

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 630 FT, SCREENED 620-630. MP TOP OF CASING, 2.85 FT ABOVE LSD.

LSD 320 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970,

LOWEST WATER LEVEL 237.62 BELOW LSD, JULY 1, 1998.

RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1997	235.55	JAN. 30, 1998	233.51	APR. 8, 1998	233.89	JULY 1, 1998	237.62

GROUND-WATER LEVELS

BIENVILLE PARISH-Continued

322436092500501 LOCAL WELL NUMBER: BI-166

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 16N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 472 FT, SCREENED 462-472. MP TOP OF BUSHING, 0.20 FT ABOVE LSD. LSD 260 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 155.21 BELOW LSD, APR. 28, 1975.
 LOWEST WATER LEVEL 182.34 BELOW LSD, JULY 1, 1998.
 RECORDS AVAILABLE 1975-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVELS
OCT. 16, 1997	182.27	JAN. 30, 1998	181.93	APR. 10, 1998	182.19	JULY 1, 1998	182.34

BOSSIER PARISH

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 10, T. 18N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 66 FT, SCREENED 63-66. MP TOP OF BUSHING, 2.8 FT ABOVE LSD.
 LSD 200 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 6.49 BELOW LSD, DEC. 13, 1983.
 LOWEST WATER LEVEL 17.53 BELOW LSD, NOV. 2, 1988.
 RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	12.19	JAN. 28, 1998	10.79	APR. 9, 1998	9.61	JULY 2, 1998	10.90

CALCASIEU PARISH

301036093124401 LOCAL WELL NUMBER: CU-767

OWNER: U.S. GEOLOGICAL 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. CAS-ING, 2.00 FT ABOVE LSD.
 LSD 11.42 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 63.26 BELOW LSD, MAR. 29, 1963.
 LOWEST WATER LEVEL 105.98 BELOW LSD, SEP. 30, 1974.
 RECORDS AVAILABLE 1963-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1997	77.08	MAR. 18, 1998	70.21				

301336093183002 LOCAL WELL NUMBER: CU-771

OWNER: U.S. GEOLOGICAL 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. CAS-ING, 2.0 FT ABOVE LSD.
 LSD 17.76 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 54.97 BELOW LSD, MAR. 28, 1963.
 LOWEST WATER LEVEL 83.83 BELOW LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1963-79, 1981-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1997	61.90	MAR. 19, 1998	59.95				

GROUND-WATER LEVELS

CALCASIEU PARISH-Continued

300353093210201 LOCAL WELL NUMBER: CU-787

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WEL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 734 FT, SCREENED 729-734. MP TOP OF 2-IN. CAS-ING, 4.0 FT ABOVE LSD.

LSD 4.33 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 46.98 BELOW LSD, APR. 13, 1965,

LOWEST WATER LEVEL 78.58 BELOW LSD, AUG. 2, 1972.

RECORDS AVAILABLE 1964-79, 1981-83, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1997	55.09						

301100093200001 LOCAL WELL NUMBER: CU-789

OWNER: U.S. GEOLOGICAL 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. CAS-ING, 2.00 FT ABOVE LSD.

LSD 18.42 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 85.42 BELOW LSD, MAR. 7, 1991,

LOWEST WATER LEVEL 131.68 BELOW LSD, AUG. 2, 1972.

RECORDS AVAILABLE 1964-75, 1977-79, 1981-83, 1985, 1991, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1997	91.24	JAN. 14, 1998	86.62	APR. 28, 1998	85.91	JULY 14, 1998	92.38

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LOUISIANA OFFICE OF 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 CAS-ING, 0.87 FT BELOW LSD.

LSD 12 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 50.41 BELOW LSD, FEB. 23, 1993,

LOWEST WATER LEVEL 73.05 BELOW LSD, SEP. 10, 1974.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	WATER DATE	LEVEL
OCT. 3, 1997	55.67	JAN. 14, 1998	54.14	APR. 28, 1998	53.28	JULY 14, 1998	54.78

GROUND-WATER LEVELS

CALCASIEU PARISH-Continued

301213093191701 LOCAL WELL NUMBER: CU-851

OWNER: LOUISIANA OFFICE OF 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 OPENING IN GAGE HOUSE FLOOR, MARKED WITH YELLOW ARROW, 1.24 FT ABOVE LSD. (RECORDER INSTALLED 5-1-98).
LSD 10 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 92.08 BELOW LSD, MAY 1, 1998.

LOWEST WATER LEVEL 145.67 BELOW LSD, JULY 25, 1974.

RECORDS AVAILABLE 1973-83, 1990-91, 1995-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1997	99.39	MAY 28, 1998	95.38H	JULY 10, 1998	99.48	AUG. 18, 1998	101.77H
JAN. 14, 1998	93.86	MAY 31	95.35	JULY 14	100.24	AUG. 20	101.62
FEB. 9	93.04H	JUNE 5	95.28	JULY 15	99.95	AUG. 25	101.39
APR. 28	92.20	JUNE 10	94.77	JULY 20	100.50	AUG. 31	101.60
MAY 1	92.08H	JUNE 12	94.81H	JULY 25	101.03	SEP. 5	102.29
MAY 5	92.65	JUNE 15	95.42	JULY 31	101.33	SEP. 10	101.63
MAY 10	92.69	JUNE 20	96.07	AUG. 5	102.41	SEP. 15	99.82
MAY 15	92.80	JUNE 25	97.55	AUG. 10	102.20	SEP. 20	99.67
MAY 20	93.80	JUNE 30	97.63	AUG. 11	102.67J	SEP. 25	99.39
MAY 25	94.72	JULY 5	97.40	AUG. 15	101.95	SEP. 30	100.03

CALDWELL PARISH

320555092043501 LOCAL WELL NUMBER: CA-130

OWNER: TOWN OF COLUMBIA. (SEC. 20, T. 13N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 260 FT, SCREENED 240-260. MP TOP OF CASING, 3.0 FT ABOVE LSD.
LSD 90 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 13.89 BELOW LSD, APR. 2, 1998.

LOWEST WATER LEVEL 26.74 BELOW LSD, OCT. 1, 1996.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	25.43	JAN. 5, 1998	21.43	APR. 2, 1998	13.89	JULY 6, 1998	23.51

CAMERON PARISH

295846092381105 LOCAL WELL NUMBER: CN-80L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN., DEPTH 481 FT, SCREENED 475-481. MP TOP OF 1-IN. CASING, 3.0 FT ABOVE LSD.

LSD 4.73 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 19.47 BELOW LSD, MAR. 22, 1965.

LOWEST WATER LEVEL 30.88 BELOW LSD, JUNE 20, 1978.

RECORDS AVAILABLE 1964-83, 1985, 1990-91, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 19, 1998	26.70						

See footnotes at end of table.

GROUND-WATER LEVELS

CAMERON PARISH-Continued

300125092382504 LOCAL WELL NUMBER: CN-81L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN., DEPTH 478 FT, SCREENED 468-478. MP TOP OF 1-IN. PIPE, 3.18 FT ABOVE LSD.

LSD 4.45 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965,

LOWEST WATER LEVEL 36.87 BELOW LSD, JULY 14, 1998.

RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	31.86	APR. 28, 1998	30.09	JULY 14, 1998	36.87		

300120093320802 LOCAL WELL NUMBER: CN-86L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN., DEPTH 641 FT, SCREENED 631-641. MP TOP OF 1 1/2-IN. PIPE, 2.91 FT ABOVE LSD.

LSD 3.66 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 32.16 BELOW LSD, APR. 12, 1965,

LOWEST WATER LEVEL 51.34 BELOW LSD, SEP. 19, 1971.

RECORDS AVAILABLE 1964-83, 1985, 1990, 1993, 1995-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1997	41.95	MAR. 19, 1998	36.97				

300055093093004 LOCAL WELL NUMBER: CN-88L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN., DEPTH 804 FT, SCREENED 794-804. MP TOP OF 1 1/2-IN. PIPE, 2.68 FT ABOVE LSD.

LSD 8.86 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 40.27 BELOW LSD, APR. 13, 1965,

LOWEST WATER LEVEL 66.95 BELOW LSD, JULY 21, 1978.

RECORDS AVAILABLE 1964-79, 1981-83, 1985-86, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	50.15	MAR. 18, 1998	46.77				

295611093044801 LOCAL WELL NUMBER: CN-90

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 13S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 396 FT, SCREENED 386-396. MP TOP OF 4 TO 2-IN. BELL REDUCER, 2.00 FT ABOVE LSD.

LSD 3.19 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 20.40 BELOW LSD, MAR. 24, 1964,

LOWEST WATER LEVEL 37.61 BELOW LSD, NOV. 17, 1992.

RECORDS AVAILABLE 1964, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	30.54	MAR. 18, 1998	25.93				

GROUND-WATER LEVELS

CAMERON PARISH-Continued

300104093015601 LOCAL WELL NUMBER: CN-92

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 12, T. 12S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 443 FT, SCREENED 438-443. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD.

LSD 5.5 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 26.02 BELOW LSD, APR. 13, 1965,

LOWEST WATER LEVEL 53.96 BELOW LSD, AUG. 14, 1973.

RECORDS AVAILABLE 1964-85, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	38.08	MAR. 18, 1998	31.38				

CATAHOULA PARISH

315007091410601 LOCAL WELL NUMBER: CT-347

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 10N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 76 FT, SCREENED 73-76. MP TOP OF CASING, 3.50 FT ABOVE LSD.

LSD 70 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 25.34 BELOW LSD, JULY 7, 1994,

LOWEST WATER LEVEL 27.65 BELOW LSD, JULY 6, 1998.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	26.99	JAN. 5, 1998	26.92	APR. 9, 1998	26.38	JULY 6, 1998	27.65

CLAIBORNE PARISH

330002092445901 LOCAL WELL NUMBER: CL-149

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 736 FT, SCREENED 726-736. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.

LSD 230 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980,

LOWEST WATER LEVEL 297.02 BELOW LSD, JULY 1, 1998.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	295.96	JAN. 29, 1998	295.24	APR. 22, 1998	295.05	JULY 1, 1998	297.02

GROUND-WATER LEVELS

CONCORDIA PARISH

312614091400001 LOCAL WELL NUMBER: CO-205

OWNER: ANGELINA PLANTATION. (SEC. 4, T. 5N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 130 FT, SCREENED 110-130. MP TOP OF CASING, 1.10 FT ABOVE LSD.

LSD 45 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 6.03 BELOW LSD, MAR. 24, 1994,

LOWEST WATER LEVEL 18.74 BELOW LSD, SEP. 4, 1997.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1998	7.33	SEP. 8, 1998	15.68				

312630091390001 LOCAL WELL NUMBER: CO-215

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 3, T. 5N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 121 FT, SCREENED 118-121. MP TOP OF CASING, 3.4 FT ABOVE LSD.

LSD 45 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 5.13 BELOW LSD, MAY 15, 1997,

LOWEST WATER LEVEL 14.48 BELOW LSD, SEP. 8, 1998.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	13.08	MAR. 23, 1998	6.17	JULY 6, 1998	13.14	SEP. 8, 1998	14.48
JAN. 5, 1998	9.88	APR. 9	6.94				

DESOTO PARISH

315521093343801 LOCAL WELL NUMBER: DS-445

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX AQUIFER OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 140 FT, SCREENED 130-140. MP TOP OF CASING, 1.70 FT ABOVE LSD.

LSD 305 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 77.54 BELOW LSD, OCT. 5, 1993,

LOWEST WATER LEVEL 84.18 BELOW LSD, DEC. 10, 1985.

RECORDS AVAILABLE 1977-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	79.07	JAN. 29, 1998	78.54	APR. 2, 1998	78.48	JULY 20, 1998	79.85

320153093583601 LOCAL WELL NUMBER: DS-517

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 12N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX AQUIFER OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 131 FT, SCREENED 129-131. MP TOP OF BUSHING, AT LSD.

LSD 225 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 13.33 BELOW LSD, APR. 19, 1995,

LOWEST WATER LEVEL 17.64 BELOW LSD, SEP. 24, 1984.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	14.21	JAN. 29, 1998	14.10	APR. 2, 1998	13.62	JULY 2, 1998	14.19

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER COMPANY. (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, 1.10 FT ABOVE LSD.

LSD 59.05 FT ABOVE SEA LEVEL.

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
NOV. 11, 1997	231.19	JAN. 27, 1998	219.50	APR. 8, 1998	218.26	JULY 27, 1998	249.40

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: EAST BATON ROUGE CITY-PARISH. (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 EDGE OF 3/8-IN. HOLE IN PLATE ATOP 6-IN. CASING, 0.45 FT BELOW LSD.

LSD 52 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916,

LOWEST WATER LEVEL 118.15 BELOW LSD, JULY 12, 1979.

RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	112.69	JAN. 23, 1998	109.69	APR. 8, 1998	108.56	JULY 24, 1998	116.75

302930091101501 LOCAL WELL NUMBER: EB-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., REPORTED DEPTH 412 FT, SCREENED 311-412. MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.

LSD 60.14 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 57.81 BELOW LSD, MAR. 25, 1990, MAY 10, 1991, MAY 15, 1991, MAY 30, 1991,

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, 1997	84.88	JAN. 5, 1998	70.55	APR. 3, 1998	66.51J	JUNE 30, 1998	85.03
OCT. 10	85.26	JAN. 10	71.82	APR. 5	74.27	JULY 5	84.53
OCT. 15	83.86	JAN. 15	67.76	APR. 10	77.86	JULY 10	84.33
OCT. 20	88.03	JAN. 20	67.92	APR. 15	79.87	JULY 15	84.27
OCT. 25	86.72	JAN. 25	74.76	APR. 20	81.02	JULY 20	84.20
OCT. 28	84.99H	JAN. 30	78.02H	APR. 25	81.56	JULY 25	84.29
OCT. 31	84.02	JAN. 31	77.81	APR. 30	79.19H	JULY 31	84.64
NOV. 5	87.66	FEB. 5	71.83	MAY 5	81.73	AUG. 5	85.24
NOV. 10	85.11	FEB. 10	71.27	MAY 10	81.98	AUG. 10	86.62
NOV. 15	78.38	FEB. 15	72.84	MAY 15	82.69	AUG. 15	87.30
NOV. 20	75.82	FEB. 20	72.14	MAY 20	82.72	AUG. 20	87.96
NOV. 25	75.69H	FEB. 25	71.96	MAY 25	82.64	AUG. 25	88.60
NOV. 30	73.62	FEB. 28	73.00	MAY 29	82.32	AUG. 31	89.51H
DEC. 5	72.47	MAR. 5	76.81	MAY 31	83.11	SEP. 5	89.83
DEC. 10	71.47	MAR. 10	78.62	JUNE 5	83.60	SEP. 10	90.13
DEC. 15	70.69	MAR. 15	80.01	JUNE 10	84.43	SEP. 15	90.22
DEC. 20	70.02	MAR. 20	75.05	JUNE 15	86.00	SEP. 20	90.68
DEC. 24	69.29H	MAR. 25	69.62	JUNE 20	86.05	SEP. 25	91.17
DEC. 25	68.97	MAR. 30	67.58	JUNE 25	85.63	SEP. 30	91.03
DEC. 31	67.85	MAR. 31	67.23	JUNE 29	85.00		

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

303001091093801 LOCAL WELL NUMBER: EB-168

OWNER: BATON ROUGE WATER COMPANY. (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 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943,
 LOWEST WATER LEVEL 148.45 BELOW LSD, NOV. 17, 1994.
 RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1997	142.14	JAN. 27, 1998	139.34	APR. 8, 1998	138.73	JULY 27, 1998	147.48

303026091113001 LOCAL WELL NUMBER: EB-297

OWNER: LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT. (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 TO 2 IN., DEPTH 1,940 FT, SCREENED 1,890-1,940. MP TOP OF 4-IN. NIPPLE ATOP 2-IN. CROSS, 2.20 FT ABOVE LSD.
 LSD 61 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 38.00 ABOVE LSD, 1937,
 LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.
 RECORDS AVAILABLE 1937, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	264.32	JAN. 27, 1998	249.51	APR. 8, 1998	249.34	JULY 30, 1998	277.35

303440090592702 LOCAL WELL NUMBER: EB-304

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,725 FT, SCREENED 1,685-1,725. MP TOP OF 2-IN. COUPLING WELDED ON TOP OF CASING 2.40 FT ABOVE LSD.
 LSD 67 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941,
 LOWEST WATER LEVEL 71.62 BELOW LSD, JULY 27, 1998.
 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. 11, 1997	67.78	JAN. 27, 1998	65.62	APR. 13, 1998	64.49	JULY 27, 1998	71.62

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

303441091074201 LOCAL WELL NUMBER: EB-322

OWNER: JOSEPH ROY BADEAUX. (SEC. 29, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 TO 2 IN., DEPTH 1,971 FT, SCREENED 1,931-1,971. MP TOP EDGE OF 2 1/2-IN. CASING, 0.25 FT ABOVE LSD.
 LSD 68 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942.
 LOWEST WATER LEVEL 87.03 BELOW LSD, JULY 27, 1998.
 RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	84.99	JAN. 23, 1998	83.24	APR. 13, 1998	81.26	JULY 27, 1998	87.03

302820091072401 LOCAL WELL NUMBER: EB-327

OWNER: SPEDALE ESTATE. (SEC. 73, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200- FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 1,236 FT, SCREENED 1,186-1,236. MP TOP OF 2-IN. CASING EXTENSION, 1.40 FT ABOVE LSD.
 LSD 55 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974.
 LOWEST WATER LEVEL 122.20 BELOW LSD, JULY 27, 1998.
 RECORDS AVAILABLE 1972-88, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	118.48	JAN. 27, 1998	113.28	APR. 8, 1998	112.68	JULY 27, 1998	122.20

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 TOP EDGE OF 12-IN. CASING, AT LSD.
 LSD 64.4 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942.
 LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.
 RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	295.60H	APR. 20, 1998	280.34	MAY 19, 1998	288.13H	JUNE 10, 1998	308.83
MAR. 26, 1998	282.18H	APR. 25	284.03	MAY 20	287.75	SEP. 15	310.63
MAR. 31	283.36	APR. 30	285.68	MAY 26	303.12H	SEP. 20	310.53
APR. 5	280.66	MAY 5	285.78	MAY 31	306.08	SEP. 25	306.43
APR. 10	280.63	MAY 10	287.37	JUNE 5	310.35	SEP. 30	305.03
APR. 15	282.56						

302844091033601 LOCAL WELL NUMBER: EB-392

OWNER: GENERAL SERVICES ADMIN. (SEC. 36, T. 6S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 1,464 FT, SCREENED 1,389-1,464. MP LOWER EDGE OF COLLAR ON NORTH SIDE OF WELL CASING, 1.00 FT ABOVE LSD.
 LSD 50 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 20.75 ABOVE LSD, SEP. 6, 1942.
 LOWEST WATER LEVEL 100.79 BELOW LSD, JULY 24, 1998.
 RECORDS AVAILABLE 1942, 1973, 1977-78, 1981, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	95.86	JAN. 23, 1998	92.38	APR. 13, 1998	91.00	JULY 24, 1998	100.79

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT. (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 TOP OF 2-IN. NIPPLE, 1.58 FT ABOVE LSD.
 LSD 45.44 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 43.24 ABOVE LSD, MAY 10, 1990,
 LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.
 RECORDS AVAILABLE 1961-93, 1886-97.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1997	65.66						

303408091075001 LOCAL WELL NUMBER: EB-468

OWNER: A.M. HOLDEN. (SEC. 53, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,407 FT, SCREENED 2,319-2,407. MP TOP EDGE OF 3/4-IN. HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 73 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948,
 LOWEST WATER LEVEL 77.43 BELOW LSD, JULY 27, 1998.
 RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	75.59	JAN. 23, 1998	73.62	APR. 13, 1998	74.23	JULY 27, 1998	77.43

303440090592703 LOCAL WELL NUMBER: EB-581

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 IN., DEPTH 2,590 FT, SCREENED 2,540-2,590. MP TOP OF 1-IN. PIPE ON SIDE OF 8-IN. CASING, 1.90 FT ABOVE LSD.
 LSD 67 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956,
 LOWEST WATER LEVEL 52.78 BELOW LSD, JULY 27, 1997.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	52.11	JAN. 27, 1998	51.34	APR. 13, 1998	50.86	JULY 27, 1998	52.78

303350091100901 LOCAL WELL NUMBER: EB-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 3 IN., DEPTH 1,640 FT, SCREENED 1,580-1,640. MP TOP EDGE OF 3/8-IN. GALVANIZED NIPPLE, 1.73 FT ABOVE LSD.
 LSD 65 FT ABOVE SEA LEVEL.
 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, 1997	161.48	JAN. 23, 1998	158.49	APR. 13, 1998	153.78	JULY 27, 1998	168.53

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302509091082701 LOCAL WELL NUMBER: EB-778

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,586 FT, SCREENED 2,581-2,586. MP TOP EDGE OF 4-IN COLLAR, 0.25 FT BELOW LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965,
 LOWEST WATER LEVEL 10.58 BELOW LSD, JAN. 9, 1996.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1997	8.97	JAN. 26, 1998	8.30	APR. 8, 1998	7.33	JULY 24, 1998	10.36
NOV. 25	8.94						

302509091082702 LOCAL WELL NUMBER: EB-780A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,622 FT, SCREENED 1,617-1,622. MP TOP OF 4-IN. COLLAR, 0.14 FT ABOVE LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966,
 LOWEST WATER LEVEL 39.25 BELOW LSD, JULY 14, 1998.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1997	37.29	JAN. 26, 1998	35.69	APR. 8, 1998	35.54	JULY 24, 1998	39.25
DEC. 8	32.13						

302535091090401 LOCAL WELL NUMBER: EB-781

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP OF 2-IN. AIRLINE, 2.82 FT ABOVE LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 119.12 BELOW LSD, MAR. 15, 1966,
 LOWEST WATER LEVEL 241.60 BELOW LSD, AUG. 14, 1973.
 RECORDS AVAILABLE 1965-88, 1990-93, 1996-97.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 29, 1997	190.04						

302535091090402 LOCAL WELL NUMBER: EB-782A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,189 FT, SCREENED 1,184-1,189. MP TOP OF 2-IN. CASING, 2.0 FT ABOVE LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 17.37 BELOW LSD, JAN. 14, 1994,
 LOWEST WATER LEVEL 27.85 BELOW LSD, DEC. 9, 1997.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	27.21	FEB. 3, 1998	24.28	APR. 8, 1998	23.38	JULY 24, 1998	24.49
DEC. 9	27.85						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302502091113601 LOCAL WELL NUMBER: EB-783A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 2,179 FT, SCREENED 2,174-2,179. MP TOP EDGE OF 1/2-IN. HOLE IN SANITARY SEAL, 2.00 FT ABOVE LSD.
 LSD 26 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966,
 LOWEST WATER LEVEL 68.27 BELOW LSD, JUNE 30, 1993.
 RECORDS AVAILABLE 1965-88, 1990-97.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 31, 1997	63.05						

302511091070401 LOCAL WELL NUMBER: EB-789A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 711 FT, SCREENED 707-711. MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.
 LSD 37 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.50 BELOW LSD, MAY 17, 1979,
 LOWEST WATER LEVEL 33.40 BELOW LSD, OCT. 12, 1988.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	30.67	JAN. 27, 1998	18.97	APR. 8, 1998	14.85	JULY 24, 1998	18.82

302511091070402 LOCAL WELL NUMBER: EB-789B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,721 FT, SCREENED 1,717-1,721. MP TOP OF 2-IN. CASING, 0.88 FT ABOVE LSD.
 LSD 37 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966,
 LOWEST WATER LEVEL 47.81 BELOW LSD, DEC. 10, 1997.
 RECORDS AVAILABLE 1965-93, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1997	47.81	APR. 8, 1998	47.36				

302719091103201 LOCAL WELL NUMBER: EB-793

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 71, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 687 FT, SCREENED 683-687. MP TOP EDGE OF 2-IN. LINER, 2.00 FT ABOVE LSD.
 LSD 35.3 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 36.56 BELOW LSD, JULY 23, 1990,
 LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.
 RECORDS AVAILABLE 1965-93, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 24, 1998	51.86						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 4-IN. CASING, 1.57 FT ABOVE LSD.
 LSD 46 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967.
 LOWEST WATER LEVEL 114.45 BELOW LSD, SEP. 22, 1993.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	106.09	JAN. 23, 1998	103.32	APR. 8, 1998	102.10	JULY 24, 1998	110.99
JAN. 16, 1998	103.46						

302428091035002 LOCAL WELL NUMBER: EB-804B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,762 FT, SCREENED 2,758-2,762. MP TOP OF 2-IN. CASING, 2.37 FT ABOVE LSD.
 LSD 46 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966.
 LOWEST WATER LEVEL 111.20 BELOW LSD, JULY 24, 1998.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV.11, 1997	104.51	JAN. 23, 1998	98.92	APR. 8, 1998	99.28	JULY 24, 1998	111.20
JAN. 16, 1998	98.92						

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,072 FT, SCREENED 1,068-1,072. MP TOP OF 1/2-IN. HOLE IN CAP, 1.25 FT ABOVE LSD.
 LSD 46 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967.
 LOWEST WATER LEVEL 76.09 BELOW LSD, JULY 24, 1998.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV.11, 1997	75.18	JAN. 23, 1998	73.62	APR. 8, 1998	71.56	JULY 24, 1998	76.09
JAN. 16, 1998	73.50						

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 72, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,579 FT, SCREENED 2,575-2,579. MP TOP EDGE OF 1 1/2-IN. NIPPLE, 1.83 FT ABOVE LSD.
 LSD 46.5 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966,
 LOWEST WATER LEVEL 213.30 BELOW LSD, JULY 24, 1998.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	195.85	JAN. 23, 1998	188.50	APR. 8, 1998	189.64	JULY 24, 1998	213.30

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 2-IN. CASING, 0.50 FT ABOVE LSD.
 LSD 33.56 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 28.84 BELOW LSD, JULY 10, 1990,
 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. 11, 1997	51.12	JAN. 23, 1998	43.69	APR. 8, 1998	41.50	JULY 24, 1998	46.36

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 2-IN. CASING, 0.50 FT ABOVE LSD.
 LSD 33.57 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 29.21 BELOW LSD, MAY 9, 1990,
 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. 11, 1997	43.70	JAN. 23, 1998	37.62	APR. 8, 1998	35.54	JULY 24, 1998	40.50
DEC. 9	41.73						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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 2-IN. CASING, 0.50 FT ABOVE LSD.

LSD 63.96 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 36.97 BELOW LSD, APR. 29, 1997,

LOWEST WATER LEVEL 68.13 BELOW LSD, NOV. 1, 1968.

RECORDS AVAILABLE 1967-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	52.07	JAN. 23, 1998	47.69	APR. 13, 1998	40.35	JULY 27, 1998	43.64

303851091161001 LOCAL WELL NUMBER: EB-839

OWNER: GEORGIA-PACIFIC CORP. (SEC. 38, T. 5S., R. 2W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 IN., DEPTH 770 FT, SCREENED 700-770. MP TOP OF EAST EDGE OF WELL PROTECTOR, 3.2 FT ABOVE LSD.

LSD 80 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 64.68 BELOW LSD, JAN. 30, 1969,

LOWEST WATER LEVEL 127.56 BELOW LSD, OCT. 30, 1995.

RECORDS AVAILABLE 1969, 1990, 1994-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	124.96	FEB. 3, 1998	108.42	APR. 13, 1998	114.09	JULY 30, 1998	108.79

303912091150801 LOCAL WELL NUMBER: EB-849

OWNER: GEORGIA-PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,380 FT, SCREENED 1,250-1,270 AND 1,350-1,380. MP TOP OF 6-IN. CASING, 1.70 FT ABOVE LSD.

LSD 91 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966,

LOWEST WATER LEVEL 142.28 BELOW LSD, OCT. 31, 1990.

RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	136.13	JAN. 27, 1998	132.33	APR. 13, 1998	133.42	JULY 30, 1998	134.94

302729091100601 LOCAL WELL NUMBER: EB-870

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 44, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 692 FT, SCREENED 687- 692. MP TOP OF CASING, AT LSD.

LSD 50 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 48.33 BELOW LSD, JULY 10, 1990,

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
NOV. 11, 1997	75.78	JAN. 23, 1998	67.44	APR. 8, 1998	66.68	JULY 24, 1998	71.85
DEC. 17	74.77						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302710091111501 LOCAL WELL NUMBER: EB-887

OWNER: LOUISIANA CIVIL DEFENSE. (SEC. 71, T. 7S., R. 1W.) DRILLED EMERGENCY SUPPLY ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 903 FT, SCREENED 863-903. MP FROM LAND SURFACE TO 1/2-IN. HOLE ON SANITARY SEAL, 10.1 FT BELOW LSD.
 LSD 56 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 17.39 BELOW LSD, APR. 30, 1997,
 LOWEST WATER LEVEL 40.79 BELOW LSD, NOV. 17, 1997.
 RECORDS AVAILABLE 1994-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	40.79	FEB. 3, 1998	24.46	APR. 8, 1998	21.80	JULY 24, 1998	25.63

303905090583301 LOCAL WELL NUMBER: EB-896

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 51, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 73 FT, SCREENED 70-73. MP TOP OF 1 1/4-IN. CASING, AT LSD.
 LSD 82 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 6.57 BELOW LSD, APR. 13, 1998,
 LOWEST WATER LEVEL 21.40 BELOW LSD, NOV. 21, 1994.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	15.84	JAN. 27, 1998	8.44	APR. 13, 1998	6.57	JULY 27, 1998	10.85

302614091083001 LOCAL WELL NUMBER: EB-917

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,736 FT, SCREENED 1,731-1,736. MP TOP OF 4-IN. COUPLING, 0.20 FT ABOVE LSD.
 LSD 46.56 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978,
 LOWEST WATER LEVEL 154.53 BELOW LSD, SEP. 6, 1998.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1997	149.00H	DEC. 15, 1997	141.24	APR. 5, 1998	138.58	JUNE 25, 1998	153.96
OCT. 5	148.13	DEC. 20	141.70	APR. 10	138.30	JUNE 30	150.72
OCT. 10	148.37	DEC. 25	140.91	APR. 14	138.99H	JULY 5	150.14
OCT. 15	146.96	DEC. 31	140.38	APR. 15	138.96	JULY 10	153.10
OCT. 16	147.33H	JAN. 5, 1998	139.55H	APR. 20	139.50	JULY 14	154.01H
OCT. 20	147.09	JAN. 23	138.32	APR. 25	141.81	JULY 15	153.27
OCT. 25	144.69	FEB. 24	137.90H	APR. 30	141.17	JULY 24	151.78
OCT. 31	143.73	FEB. 25	138.21	MAY 5	140.74	AUG. 25	151.92
NOV. 5	142.58	FEB. 28	138.59	MAY 10	141.76	AUG. 27	152.62H
NOV. 10	142.02	MAR. 5	138.64H	MAY 15	145.49	AUG. 31	153.39
NOV. 11	141.46	MAR. 10	137.72	MAY 20	146.83	SEP. 5	154.38
NOV. 15	141.60	MAR. 15	137.44	MAY 25	147.34	SEP. 6	154.53J
NOV. 20	141.75	MAR. 20	137.30	MAY 31	148.44	SEP. 10	153.77
NOV. 25	143.78	MAR. 23	137.21H	JUNE 5	150.76	SEP. 15	153.36
NOV. 30	141.31	MAR. 25	137.17	JUNE 10	150.06	SEP. 20	150.52
DEC. 5	142.06	MAR. 30	125.35J	JUNE 15	152.03	SEP. 25	150.68
DEC. 10	141.06	MAR. 31	137.09	JUNE 20	153.09	SEP. 30	148.43

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302547091074401 LOCAL WELL NUMBER: EB-918

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 91, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,834 FT, SCREENED 1,829-1,834. MP TOP EDGE OF 4-IN. COLLAR, AT LSD.
 LSD 40 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973,
 LOWEST WATER LEVEL 137.78 BELOW LSD, OCT. 7, 1992.
 RECORDS AVAILABLE 1973-91, 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1998	128.54						

302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 592- 603. MP TOP OF 2-IN. CASING, 1.30 FT ABOVE LSD.
 LSD 51 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 44.67 BELOW LSD, JULY 11, 1991,
 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. 11, 1997	58.28	JAN. 23, 1998	55.94	APR. 13, 1998	54.66	JULY 27, 1998	58.58

302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 385 FT, SCREENED 372-385. MP TOP OF 2-IN. CASING, 1.10 FT ABOVE LSD.
 LSD 51 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 37.55 BELOW LSD, JULY 11, 1991,
 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. 11, 1997	49.17	JAN. 27, 1998	46.02	APR. 13, 1998	44.92	JULY 27, 1998	48.94

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,792 FT, SCREENED 2,782-2,792. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 1.63 FT ABOVE LSD.
 LSD 59 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975,
 LOWEST WATER LEVEL 56.34 BELOW LSD, AUG. 31, 1998.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1997	53.91	JAN. 29, 1998	52.79	APR. 30, 1998	52.42	JULY 30, 1998	55.62
NOV. 25	53.80	FEB. 27	52.35	MAY 29	53.74	AUG. 31	56.34
DEC. 24	53.21	MAR. 30	52.47	JUNE 29	54.55		

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 654 FT, SCREENED 644-654. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.27 FT ABOVE LSD.
 LSD 59 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 59.09 BELOW LSD, JULY 9, 1990.
 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. 28, 1997	90.79	JAN. 29, 1998	85.99	APR. 30, 1998	84.76	JULY 30, 1998	91.81
NOV. 25	91.04	FEB. 27	86.15	MAY 29	83.00	AUG. 31	89.27
DEC. 24	87.42	MAR. 30	83.89	JUNE 29	87.97		

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF 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, 2.02 FT ABOVE LSD.
 LSD 59 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 97.73 BELOW LSD, JUNE 2, 1992.
 LOWEST WATER LEVEL 193.08 BELOW LSD, OCT. 2, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1997	136.75	JAN. 29, 1998	134.61	APR. 30, 1998	138.40	JULY 30, 1998	140.97
NOV. 25	134.47	FEB. 27	134.84	MAY 29	137.07	AUG. 31	146.74
DEC. 24	135.68	MAR. 30	137.65	JUNE 29	133.75		

303251091115001 LOCAL WELL NUMBER: EB-1000

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 69, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,926 FT, SCREENED 2,916-2,926. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 68 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 44.15 BELOW LSD, APR. 22, 1985.
 LOWEST WATER LEVEL 67.21 BELOW LSD, JULY 30, 1998.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	65.51	FEB. 24, 1998	64.45	JULY 27, 1998	52.06	JULY 30, 1998	67.21
FEB. 3, 1998	64.58	APR. 13	63.84				

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302919091020501 LOCAL WELL NUMBER: EB-1019

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 52, T. 6S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 700 FT, SCREENED 690-700. MP TOP OF 2-IN. CASING, AT LSD.
 LSD 49 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 38.70 BELOW LSD, APR. 12, 1983,
 LOWEST WATER LEVEL 52.06 BELOW LSD, JULY 27, 1998.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1997	49.72	JAN. 27, 1998	48.74	APR. 13, 1998	47.99	JULY 27, 1998	52.06

302605091100901 LOCAL WELL NUMBER: EB-1028

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 53, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,238 FT, SCREENED 2,223-2,238. MP TOP EDGE OF 1-IN. AIR-LINE COLLAR, 0.30 FT BELOW LSD.
 LSD 40 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 172.99 BELOW LSD, NOV. 2, 1994,
 LOWEST WATER LEVEL 245.19 BELOW LSD, JULY 23, 1981.
 RECORDS AVAILABLE 1981-88, 1991-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1997	204.41	FEB. 3, 1998	191.31	APR. 8, 1998	194.43	JULY 24, 1998	231.12
JAN. 2, 1998	201.55						

303853091165801 LOCAL WELL NUMBER: EB-1234

OWNER: GEORGIA-PACIFIC CORP. (SEC. 39, T. 5S., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400 & 600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 250 FT, SCREENED 210-250. MP TOP OF 4-IN. CASING, 1.5 FT ABOVE LSD.
 LSD 97 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 81.63 BELOW LSD, APR. 29, 1994,
 LOWEST WATER LEVEL 115.82 BELOW LSD, OCT. 30, 1995.
 RECORDS AVAILABLE 1990, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1997	109.16	FEB. 3, 1998	89.51	APR. 13, 1998	96.54	JULY 30, 1998	102.42

302543091015001 LOCAL WELL NUMBER: EB-1264

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 7S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 498 FT, SCREENED 488-498. MP TOP OF 2-IN. COLLAR, AT LSD.
 LSD 38 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 33.32 BELOW LSD, MAY 22, 1995,
 LOWEST WATER LEVEL 43.90 BELOW LSD, JULY 29, 1998.
 RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1997	40.74	JAN. 23, 1998	36.63	APR. 13, 1998	37.57	JULY 29, 1998	43.90
NOV. 25	39.57						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302642091083401

LOCAL WELL NUMBER: EB-1274

OWNER: CAPITAL AREA GROUND WATER CONSERVATION COMMISSION. (SEC. 81, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., DEPTH 855 FT, SCREENED 835-855. MP TOP OF RIDGE ON FLANGE ON WEST SIDE, 4.3 FT ABOVE LSD.
LSD 44 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 60.93 BELOW LSD, FEB. 19, 1997,

LOWEST WATER LEVEL 73.08 BELOW LSD, JUNE 30, 1998.

RECORDS AVAILABLE 1997-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1997	65.81H	APR. 5, 1998	64.40	MAY 19, 1998	63.89H	JULY 20, 1998	67.98
OCT. 16	67.76H	APR. 7	64.22H	JUNE 11	64.54H	JULY 25	68.11
DEC. 17	70.56H	APR. 10	64.24	JUNE 15	64.67H	JULY 31	68.65
MAR. 5, 1998	65.67H	APR. 15	64.15	JUNE 20	65.05	AUG. 5	69.15
MAR. 11	65.44H	APR. 20	64.12	JUNE 25	65.49	AUG. 10	69.57
MAR. 15	65.40	APR. 25	64.13	JUNE 30	73.08	AUG. 15	69.22
MAR. 20	64.72	APR. 30	64.01	JULY 5	68.44	AUG. 20	69.95
MAR. 23	64.70H	MAY 5	64.03	JULY 10	67.98	AUG. 25	70.39
MAR. 25	64.72	MAY 10	63.94	JULY 14	69.17H	AUG. 27	70.58H
MAR. 31	64.48	MAY 15	63.92	JULY 15	68.08		

302501091052601

LOCAL WELL NUMBER: EB-1278

OWNER: CAPITAL AREA GROUND WATER CONSERVATION COMMISSION. (SEC. 39, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2-IN., DEPTH 547 FT, SCREENED 537-547. MP TOP OF 2-IN. COUPLING, AT LSD.
LSD 31 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 34.07 BELOW LSD, APR. 8, 1998,

LOWEST WATER LEVEL 40.62 BELOW LSD, JULY 29, 1998.

RECORDS AVAILABLE 1997-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1997	40.17	FEB. 23, 1998	34.62	APR. 8, 1998	34.07	JULY 29, 1998	40.62
JAN. 23, 1998	35.87						

EAST CARROLL PARISH

324040091110801

LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 97 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,

LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.

RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	19.35	JAN. 5, 1998	20.08	APR. 8, 1998	13.07	JULY 1, 1998	10.31

See footnotes at end of table.

GROUND-WATER LEVELS

EAST FELICIANA PARISH

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 IN., REPORTED DEPTH 305 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1/2-IN. HOLE IN COVER, 1.00 FT ABOVE LSD.
 LSD 210 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961,
 LOWEST WATER LEVEL 88.69 BELOW LSD, SEP. 15, 1992.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1997	81.43	MAR. 10, 1998	81.36	APR. 16, 1998	81.34	JULY 22, 1998	81.67

304959091093001 LOCAL WELL NUMBER: EF-185

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 45, T. 2S., R. 1E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 TO 12 TO 10 IN., REPORTED DEPTH 1,514 FT, SCREENED 1,469-1,514. MP LOWER EDGE OF 1-IN. ACCESS PIPE, 1.48 FT ABOVE LSD.
 LSD 228 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961,
 LOWEST WATER LEVEL 216.95 BELOW LSD, FEB. 19, 1991.
 RECORDS AVAILABLE 1961-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1997	202.96	MAR. 10, 1998	201.29	APR. 16, 1998	200.49	JULY 22, 1998	203.61

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER. (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 2,000 FT, SCREENED 1,935-2,000. MP TOP OF GALVANIZED TEE, 2.63 FT ABOVE LSD.
 LSD 135 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 100.85 BELOW LSD, JULY 21, 1983,
 LOWEST WATER LEVEL 141.72 BELOW LSD, FEB. 11, 1991.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1997	128.58	MAR. 10, 1998	127.31	APR. 14, 1998	126.36	JULY 22, 1998	130.27

GROUND-WATER LEVELS

EVANGELINE PARISH

304120092263001

LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.

LSD 65.66 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951.

LOWEST WATER LEVEL 110.15 BELOW LSD, JUNE 25, 1998.

RECORDS AVAILABLE 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1997	95.38H	DEC. 31, 1997	90.07	MAR. 15, 1998	89.81	JUNE 10, 1998	108.05
OCT. 5	96.14	JAN. 5, 1998	89.73	MAR. 20	88.78	JUNE 15	107.92
OCT. 10	96.22	JAN. 10	89.44	MAR. 25	90.87	JUNE 20	107.98
OCT. 15	95.80	JAN. 14	89.27H	MAR. 31	91.88	JUNE 25	110.15
OCT. 20	94.19	JAN. 15	89.05	APR. 5	99.11	JUNE 30	109.33
OCT. 25	93.23	JAN. 20	89.12	APR. 10	100.77	JULY 5	109.63
OCT. 31	92.70	JAN. 25	89.02	APR. 15	103.57	JULY 10	108.70
NOV. 5	93.35	JAN. 31	88.78	APR. 20	101.78	AUG. 13	102.05H
NOV. 10	92.57	FEB. 5	88.59	APR. 25	102.74	AUG. 19	100.93H
NOV. 15	92.22	FEB. 9	88.78H	APR. 27	102.28H	AUG. 20	100.77
NOV. 20	91.78	FEB. 10	88.66	APR. 30	100.93	AUG. 25	100.17
NOV. 25	91.84	FEB. 15	88.31	MAY 5	100.57	AUG. 31	99.45
NOV. 30	91.01	FEB. 20	88.28	MAY 10	102.82	SEP. 5	98.90
DEC. 5	91.03	FEB. 25	88.00	MAY 15	106.61	SEP. 10	98.60
DEC. 10	90.55	FEB. 26	87.65J	MAY 20	107.81	SEP. 15	98.08
DEC. 15	90.62	FEB. 28	87.89	MAY 25	107.74	SEP. 20	97.79
DEC. 20	90.29	MAR. 5	88.68	MAY 31	108.44	SEP. 25	98.31
DEC. 25	89.88	MAR. 10	89.52	JUNE 5	108.77H	SEP. 30	98.41

See footnotes at end of table.

GROUND-WATER LEVELS

FRANKLIN PARISH

320941091411301 LOCAL WELL NUMBER: FR-720

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 14N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 100 FT, SCREENED 97-100. MP TOP OF CASING, 3.40 FT ABOVE LSD. (PRIOR TO SEP. 18, 1998, MP TOP OF CASING, 4.0 FT ABOVE LSD.)
 LSD 75 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 17.39 BELOW LSD, MAR. 9, 1995,
 LOWEST WATER LEVEL 18.46 BELOW LSD, JAN. 25, 1990.
 RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1998	18.01	SEP. 8, 1998	18.20	SEP. 18, 1998	18.04		

320958091425501 LOCAL WELL NUMBER: FR-721

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 14N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 77 FT, SCREENED 72-77. MP TOP OF CASING, 2.10 FT ABOVE LSD.
 LSD 65 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 7.16 BELOW LSD, MAY 9, 1991,
 LOWEST WATER LEVEL 11.78 BELOW LSD, SEP. 10, 1998.
 RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1997	11.26	JAN. 5, 1998	10.19	APR. 1, 1998	9.79	JULY 5, 1998	11.05
OCT. 10	11.32	JAN. 10	9.44	APR. 2	9.86H	JULY 6	11.16H
OCT. 14	11.35H	JAN. 15	9.71	APR. 5	9.96	JULY 10	11.16
OCT. 15	11.37	JAN. 20	9.93	APR. 10	10.08	JULY 15	11.18
OCT. 20	11.37	JAN. 25	9.18	APR. 15	10.15	JULY 20	11.28
OCT. 21	11.40	JAN. 30	9.72H	APR. 20	10.21	JULY 25	11.31
OCT. 25	10.81	JAN. 31	9.73	APR. 25	10.29	JULY 31	11.38
OCT. 31	11.13	FEB. 5	9.32	APR. 30	10.29	AUG. 5	11.48
NOV. 5	11.21H	FEB. 10	9.74	MAY 5	10.33	AUG. 10	11.39
NOV. 10	11.23	FEB. 15	9.49	MAY 10	10.38	AUG. 15	11.48
NOV. 15	11.28	FEB. 20	9.31	MAY 15	10.48	AUG. 20	11.57
NOV. 20	11.27	FEB. 25	9.19	MAY 20	10.52	AUG. 25	11.58
NOV. 25	11.24	FEB. 28	8.88	MAY 25	10.56	AUG. 31	11.68
NOV. 30	10.86	MAR. 5	9.51	MAY 31	10.64	SEP. 5	11.74
DEC. 5	10.90	MAR. 8	8.26	JUNE 5	10.75	SEP. 8	11.77H
DEC. 10	10.81	MAR. 10	8.51	JUNE 10	10.67	SEP. 10	11.78
DEC. 15	10.89	MAR. 15	9.29	JUNE 15	10.80	SEP. 15	11.48
DEC. 20	10.93	MAR. 20	9.15	JUNE 20	10.87	SEP. 20	11.56
DEC. 25	10.04	MAR. 23	9.41H	JUNE 25	10.97	SEP. 25	11.66
DEC. 31	10.53	MAR. 25	9.52	JUNE 30	11.06	SEP. 30	11.71
JAN. 3, 1998	10.56	MAR. 31	9.76	JULY 2	11.02		

See footnotes at end of table.

GROUND-WATER LEVELS

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-127B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 231.36 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980.

LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	67.55	FEB. 3, 1998	68.13	APR. 8, 1998	67.64	JULY 7, 1998	67.70

IBERIA PARISH

300035091443301 LOCAL WELL NUMBER: I-93

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 5, T. 12S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 580-585. MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.

LSD 18.53 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 14.55 BELOW LSD, DEC. 7, 1993.

LOWEST WATER LEVEL 22.11 BELOW LSD, NOV. 4, 1974.

RECORDS AVAILABLE 1965-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	18.39	MAR. 20, 1998	16.22	APR. 27, 1998	16.50	JULY 13, 1998	18.28
JAN. 12, 1998	17.28						

IBERVILLE PARISH

301227091101301 LOCAL WELL NUMBER: IB-106

OWNER: J SUPPLES & SONS MERCANTILE CO. (SEC. 37, T. 10S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 608 FT, SCREENED 588-608. MP TOP EDGE OF 1/2-IN. VALVE, AT LSD.

LSD 18.94 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 8.60 ABOVE LSD, APR. 24, 1997.

LOWEST WATER LEVEL 13.87 BELOW LSD, OCT. 22, 1997.

RECORDS AVAILABLE 1959-60, 1964, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1997	13.87	MAR. 5, 1998	+1.90	MAY. 8, 1998	+6.60	JULY 13, 1998	+1.10

See footnotes at end of table.

GROUND-WATER LEVELS

JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: STONE CONTAINER CORP. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 12 TO 8 IN., DEPTH 570 FT, SCREENED 542-570. MP TOP OF NIPPLE IN CASING COVER PLATE, 0.20 FT ABOVE LSD.

LSD 160 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961,

LOWEST WATER LEVEL 204.42 BELOW LSD, OCT. 6, 1995.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1997	185.41	JAN. 30, 1998	195.22	APR. 10, 1998	195.46	JULY 1, 1998	189.87

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 703 FT, SCREENED 693-703. MP TOP OF PLUG, 3.18 FT ABOVE LSD.

LSD 220 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975,

LOWEST WATER LEVEL 248.62 BELOW LSD, JULY 7, 1998.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1997	247.42	JAN. 30, 1998	247.50	APR. 2, 1998	247.45	MAY 29, 1998	247.92
DEC. 1	247.71	FEB. 27	247.29	APR. 30	247.59	JULY 7	248.62
DEC. 31	247.84						

JEFFERSON PARISH

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 4 IN., DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-IN. PLASTIC LINER, 2.05 FT ABOVE LSD.

LSD 9 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 61.22 BELOW LSD, MAY 9, 1996,

LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1997	66.43	MAR. 16, 1998	64.18	MAY 5, 1998	64.72	JULY 7, 1998	70.42

300222090144601 LOCAL WELL NUMBER: JF-178

OWNER: JEFFERSON PARISH DRAINAGE DISTRICT. (SEC. 37, T. 12S., R. 9E.) DRILLED INDUSTRIAL COOLING SUPPLY WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 6 TO 4 IN., DEPTH 700 FT, SCREENED 660-700. MP HOLE IN SANITARY SEAL ON 2-IN. CASING, 1.0 FT ABOVE LSD.

LSD AT SEA LEVEL.

HIGHEST WATER LEVEL 21.11 BELOW LSD, FEB. 26, 1997,

LOWEST WATER LEVEL 35.00 BELOW LSD, MAY 31, 1984.

RECORDS AVAILABLE 1984, 1987, 1993, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	24.61	MAR. 16, 1998	22.16	APR. 30, 1998	21.47	JULY 13, 1998	24.07

GROUND-WATER LEVELS

JEFFERSON PARISH-Continued

300223090144601

LOCAL WELL NUMBER: JF-186

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 12S., R. 9E.) DRILLED UNUSED OBSERVATION WELL IN THE NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 325 FT, SCREENED 315-325. MP TOP OF 2-IN. PIPE, 6.10 FT ABOVE LSD.

LSD 5.0 FT BELOW SEA LEVEL.

HIGHEST WATER LEVEL 4.96 ABOVE LSD, AUG. 5, 1997,

LOWEST WATER LEVEL 1.44 BELOW LSD, JAN. 20, 1987.

RECORDS AVAILABLE 1987, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	+3.91	MAR. 16, 1998	+2.62	APR. 30, 1998	+4.30	JULY 13, 1998	+2.80

JEFFERSON DAVIS PARISH

301355092463001

LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 318 FT, SCREENED 238-318. MP LOWER EDGE OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.

LSD 24.1 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943,

LOWEST WATER LEVEL 95.00 BELOW LSD, JULY 21, 1980.

RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	67.00	JAN. 15, 1998	60.98	APR. 28, 1998	67.29		

301300092584503

LOCAL WELL NUMBER: JD-485A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 290 FT, SCREENED 270-290. MP HOLE IN SHELTER FLOOR, 3.00 FT ABOVE LSD.

LSD 21.36 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 46.91 BELOW LSD, APR. 7, 1992,

LOWEST WATER LEVEL 107.41 BELOW LSD, JULY 19, 1980.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1997	61.11	JAN. 5, 1998	54.94	MAR. 31, 1998	62.45	JULY 10, 1998	87.20
OCT. 8	60.66H	JAN. 10	54.32	APR. 5	64.11	JULY 14	91.79H
OCT. 10	60.60	JAN. 15	53.89H	APR. 20	71.30	JULY 15	92.04
OCT. 15	59.91	JAN. 20	53.67	APR. 28	74.99	JULY 20	84.43
OCT. 20	59.68	JAN. 25	53.49	APR. 30	70.86	JULY 25	82.72
OCT. 25	59.44	JAN. 31	53.15	MAY 5	76.69	JULY 31	83.57
OCT. 31	59.76	FEB. 5	52.87	MAY 10	78.60	AUG. 5	83.29
NOV. 5	64.22	FEB. 9	52.72J	MAY 28	90.88H	AUG. 10	83.61
NOV. 10	60.21	FEB. 10	53.48	MAY 31	95.06	AUG. 15	82.75
NOV. 15	59.02	FEB. 15	54.71	JUNE 5	94.95	AUG. 20	78.67
NOV. 20	58.24	FEB. 20	53.88	JUNE 10	92.93	AUG. 25	75.76
NOV. 25	57.74	FEB. 25	54.15	JUNE 12	94.48	AUG. 31	76.52
NOV. 30	57.03	FEB. 28	54.38	JUNE 15	94.70	SEP. 5	78.62
DEC. 5	56.63	MAR. 5	59.89	JUNE 20	96.65	SEP. 10	78.13
DEC. 10	56.19	MAR. 10	58.22	JUNE 25	101.47	SEP. 15	72.01
DEC. 15	55.93	MAR. 15	58.08	JUNE 26	102.03J	SEP. 20	69.93
DEC. 20	55.63	MAR. 20	56.34	JUNE 30	87.12	SEP. 25	68.65
DEC. 25	55.18	MAR. 25	60.06	JULY 5	81.62	SEP. 30	67.67
DEC. 31	54.91						

See footnotes at end of table.

GROUND-WATER LEVELS

JEFFERSON DAVIS PARISH-Continued

301356092462701 LOCAL WELL NUMBER: JD-773

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 9S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 666 FT, SCREENED 656-666. MP TOP OF 4-IN. CASING, 3.20 ABOVE LSD.

LSD 22 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 54.42 BELOW LSD, APR. 4, 1990.

LOWEST WATER LEVEL 71.35 BELOW LSD, JULY 14, 1998.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	63.53	JAN. 15, 1998	59.08	APR. 28, 1998	63.85	JULY 14, 1998	71.35

LAFAYETTE PARISH

301426092000601 LOCAL WELL NUMBER: LF-662

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG SEC. 100, T. 9S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 152 FT, SCREENED 146-152. MP TOP OF CASING, 0.29 FT ABOVE LSD.

LSD 40.37 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 41.48 BELOW LSD, JAN. 27, 1994.

LOWEST WATER LEVEL 47.17 BELOW LSD, OCT. 20, 1981.

RECORDS AVAILABLE 1981-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 15, 1998	44.85	APR. 29, 1998	43.82	JULY 13, 1998	44.93		

LASALLE PARISH

315444092122801 LOCAL WELL NUMBER: LA-254A

OWNER: CITY OF OLLA. (SEC. 30, T. 11N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 10 TO 6 IN., DEPTH 510 FT, SCREENED 450-510. MP TOP OF 2-IN. ACCESS PIPE, 0.50 FT ABOVE LSD.

LSD 160 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 74.00 BELOW LSD, APR. 12, 1993.

LOWEST WATER LEVEL 82.16 BELOW LSD, JUNE 21, 1990.

RECORDS AVAILABLE 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	79.38	FEB. 12, 1998	77.27	APR. 2, 1998	77.91	JULY 6, 1998	79.78

See footnotes at end of table.

GROUND-WATER LEVELS

LINCOLN PARISH

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH. (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 10 TO 6 IN., DEPTH 686 FT, SCREENED 633-686. MP TOP OF 3/4-IN. HOLE IN PLATE, 2.00 FT ABOVE LSD. LSD 155 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950,

LOWEST WATER LEVEL 184.49 BELOW LSD, JULY 1, 1998.

RECORDS AVAILABLE 1950, 1962, 1967-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1997	182.59	JAN. 29, 1998	183.22	APR. 3, 1998	182.53	JULY 1, 1998	184.49

LIVINGSTON PARISH

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCHEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,865 FT, SCREENED 1,825-1,865. MP CENTER LINE OF 3/4-IN. TEE, 1.20 FT ABOVE LSD.

LSD 46 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950,

LOWEST WATER LEVEL 36.00 ABOVE LSD, JULY 8, 1998.

RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1998	+44.30	MAY 14, 1998	+45.20	JULY 8, 1998	+36.00		

302956090504601 LOCAL WELL NUMBER: LI-113

OWNER: W.K. COBURN. (SEC. 30, T. 6S., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 3 IN., REPORTED DEPTH 1,300 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF COLLAR ABOVE VALVE, 1.50 FT ABOVE LSD.

LSD 48 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 10.98 BELOW LSD, APR. 14, 1967,

LOWEST WATER LEVEL 20.18 BELOW LSD, JULY 8, 1998.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1997	19.25	MAR. 10, 1998	19.08	APR. 22, 1998	19.08	JULY 8, 1998	20.18

See footnotes at end of table.

GROUND-WATER LEVELS

LIVINGSTON PARISH-Continued

302450090355601 LOCAL WELL NUMBER: LI-122

OWNER: BLOOD RIVER CHURCH OF GOD. (SEC. 45, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/2 IN., REPORTED DEPTH 500 FT, SCREENED 490-500. MP TOP EDGE OF 3/4-IN. NIPPLE, 0.50 FT ABOVE LSD.
 LSD 11 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 13.40 ABOVE LSD, JULY 15, 1966,
 LOWEST WATER LEVEL 1.60 ABOVE LSD, MAY 19, 1998.
 RECORDS AVAILABLE 1966, 1984, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	+5.50	MAR. 12, 1998	+3.00	MAY 19, 1998	+1.60	JULY 21, 1998	+1.90

302724090565801 LOCAL WELL NUMBER: LI-185

OWNER: CITY OF DENHAM SPRINGS. (SEC. 38, T. 7S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 TO 12 TO 8 IN., DEPTH 2,611 FT, SCREENED 2,531-2,611. MP BOTTOM LIP OF VENT ELBOW, 1.60 FT ABOVE LSD.
 LSD 37 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 41.14 BELOW LSD, FEB. 3, 1989,
 LOWEST WATER LEVEL 69.59 BELOW LSD, MAY 14, 1998.
 RECORDS AVAILABLE 1979, 1983, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1997	63.06	MAR. 10, 1998	63.69	MAY 14, 1998	69.59	JULY 10, 1998	66.21

MADISON PARISH

3226140911322001 LOCAL WELL NUMBER : MA-64

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 17N., R. 12E.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 117 FT, SCREENED 112-117. MP TOP OF CASING, AT LSD.
 LSD 80 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 5.40 BELOW LSD, APR. 23, 1991,
 LOWEST WATER LEVEL 16.01 BELOW LSD, JUNE 8, 1988.
 RECORDS AVAILABLE 1975, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	12.35	MAR. 23, 1998	6.70	JULY 2, 1998	10.71	SEP. 8, 1998	12.18
JAN. 5, 1998	9.39	APR. 8	8.22				

322428091130201 LOCAL WELL NUMBER: MA-65

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 17N., R. 12E.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 119 FT, SCREENED 114-119. MP TOP OF CASING, 0.60 ABOVE LSD.
 LSD 78 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 3.80 BELOW LSD, MAR. 23, 1998,
 LOWEST WATER LEVEL 12.20 BELOW LSD, SEP. 7, 1995.
 RECORDS AVAILABLE 1975, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1998	3.80	SEP. 8, 1998	9.34				

See footnotes at end of table.

GROUND-WATER LEVELS

MOREHOUSE PARISH

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN., DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF NIPPLE IN METAL COVER PLATE, 1.60 FT ABOVE LSD.

LSD 117.44 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 143.59 BELOW LSD, JUNE 6, 1989,

LOWEST WATER LEVEL 204.74 BELOW LSD, JUNE 3, 1981.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	163.18	JAN. 30, 1998	159.12	APR. 3, 1998	157.13	JULY 2, 1998	159.61

323806091530401 LOCAL WELL NUMBER: MO-67

OWNER: D.W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.

LSD 73.51 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961,

LOWEST WATER LEVEL 23.88 BELOW LSD, SEP. 1, 1982.

RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	13.11	JAN. 30, 1998	6.33	APR. 3, 1998	4.30	JULY 2, 1998	14.70

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 620 FT, SCREENED 610-620. MP TOP OF BUSHING, 3.68 FT ABOVE LSD.

LSD 88.34 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 86.75 BELOW LSD, SEP. 3, 1991,

LOWEST WATER LEVEL 103.30 BELOW LSD, AUG. 20, 1981.

RECORDS AVAILABLE 1968-81, 1985-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1998	92.31	SEP. 9, 1998	93.95				

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 176 FT, SCREENED 166-176. MP TOP OF BUSHING, 3.72 FT ABOVE LSD.

LSD 88.41 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,

LOWEST WATER LEVEL 18.80 BELOW LSD, JULY 2, 1998.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	12.50	JAN. 30, 1998	4.10	APR. 3, 1998	3.25	JULY 2, 1998	18.80

324647091543806 LOCAL WELL NUMBER: MO-657

OWNER: THE PEOPLES WATER SERVICE CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 97 FT, SCREENED 57-97. MP TOP OF CASING, 2.90 FT ABOVE LSD.

LSD 126.64 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 52.04 BELOW LSD, JULY 2, 1998,

LOWEST WATER LEVEL 60.00 BELOW LSD, JUNE 7, 1985.

RECORDS AVAILABLE 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	52.12	JAN. 30, 1998	55.69	APR. 3, 1998	52.35	JULY 2, 1998	52.04

GROUND-WATER LEVELS

MOREHOUSE PARISH-Continued

325356091344801 LOCAL WELL NUMBER: MO-708

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED OBSERVATION WELL IN THE COCKFIELD AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 376 FT, SCREENED 246-256 AND 266-276. MP TOP OF CASING, AT LSD.
LSD 96 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 26.28 BELOW LSD, APR. 5, 1993.

LOWEST WATER LEVEL 31.61 BELOW LSD, JULY 2, 1998.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	31.22	JAN. 30, 1998	29.93	APR. 3, 1998	29.20	JULY 2, 1998	31.61

325826091280401 LOCAL WELL NUMBER: MO-710

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 17, T. 23N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 130 FT, SCREENED 120-130. MP TOP OF CASING, AT LSD.
LSD 99 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 12.29 BELOW LSD, SEP. 3, 1991.

LOWEST WATER LEVEL 16.34 BELOW LSD, SEP. 11, 1996.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1998	14.41	SEP. 9, 1998	16.28				

325359091344802 LOCAL WELL NUMBER: MO-842

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED OBSERVATION WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 90 FT, SCREENED 88-90. MP TOP OF BUSHING, AT LSD.
LSD 96 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 30.49 BELOW LSD, JULY 1, 1992.

LOWEST WATER LEVEL 36.70 BELOW LSD, SEP. 10, 1998.

RECORDS AVAILABLE 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	35.53	MAR. 23, 1998	34.20	JULY 2, 1998	36.35	SEP. 10, 1998	36.70
JAN. 30, 1998	34.79	APR. 3	34.15				

NATCHITOCHES PARISH

312934093114801 LOCAL WELL NUMBER: NA-9

OWNER: U.S. FOREST SERVICE. (SEC. 21, T. 6N., R. 8W.) DRILLED ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 1,300 FT, SCREENED 1,200-1,300. MP TOP OF SANITARY SEAL, 1.70 FT ABOVE LSD.
LSD 185 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 5.34 ABOVE LSD, OCT. 6, 1993.

LOWEST WATER LEVEL 9.91 BELOW LSD, APR. 9, 1998.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	7.59	FEB. 4, 1998	7.24	APR. 9, 1998	9.91	JULY 8, 1998	8.10

GROUND-WATER LEVELS

ORLEANS PARISH

295652090020101

LOCAL WELL NUMBER: OR-42

OWNER: U.S. NAVY. (SEC. 16, T. 13S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., REPORTED DEPTH 775 FT, SCREENED 664-775. MP NOTCH IN WOODEN PLAT-FORM OVER WELL CASING, 1.00 FT ABOVE LSD.

LSD 10 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942,

LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.

RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1997	80.25	JAN. 10, 1998	72.30	APR. 10, 1998	73.41	JULY 10, 1998	78.62
OCT. 7	80.58H	JAN. 15	71.48	APR. 15	73.97	JULY 13	78.08
OCT. 10	80.89J	JAN. 20	71.32	APR. 20	74.23	JULY 15	78.12
OCT. 15	80.29	JAN. 25	71.12	APR. 25	74.57	JULY 16	78.21H
OCT. 20	80.12	JAN. 31	70.90	APR. 30	74.90	JULY 20	78.39
OCT. 25	79.64	FEB. 5	70.99	MAY 5	74.69	JULY 25	78.73
OCT. 31	79.16	FEB. 10	70.90	MAY 6	74.83H	JULY 31	79.04
NOV. 5	78.82	FEB. 15	70.03J	MAY 10	74.92	AUG. 5	79.07
NOV. 10	78.31	FEB. 20	70.59	MAY 15	75.58	AUG. 10	79.10
NOV. 15	78.07	FEB. 25	70.57	MAY 20	76.20	AUG. 15	79.27
NOV. 20	77.26	FEB. 28	70.56	MAY 25	76.78	AUG. 20	79.36
NOV. 25	76.73	MAR. 5	70.84	MAY 31	77.61	AUG. 25	79.40
NOV. 30	75.78	MAR. 10	71.28	JUNE 5	78.23	AUG. 31	79.53
DEC. 5	75.62	MAR. 15	71.35	JUNE 10	78.32	SEP. 5	79.80
DEC. 10	75.09	MAR. 16	71.31H	JUNE 15	78.37	SEP. 10	79.54
DEC. 15	74.43	MAR. 17	71.23H	JUNE 17	78.52H	SEP. 15	79.23
DEC. 20	74.26	MAR. 20	71.62	JUNE 20	78.78	SEP. 20	79.27
DEC. 25	73.19	MAR. 25	72.14	JUNE 25	78.62	SEP. 25	79.55
DEC. 31	73.22	MAR. 31	72.29	JUNE 30	78.52	SEP. 30	79.34
JAN. 5, 1998	72.66	APR. 5	72.69	JULY 5	78.16		

300525089464001

LOCAL WELL NUMBER: OR-175

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 449 FT, SCREENED 439-449. MP TOP OF 2-IN. PIPE, 1.67 FT ABOVE LSD.

LSD 10 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963,

LOWEST WATER LEVEL 38.72 BELOW LSD, JULY 1, 1994.

RECORDS AVAILABLE 1963, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	36.70	MAR. 13, 1998	36.79	APR. 22, 1998	36.96	JULY 7, 1998	37.33

See footnotes at end of table.

GROUND-WATER LEVELS

ORLEANS PARISH-Continued

300959089441901 LOCAL WELL NUMBER: OR-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 10S., R. 15E.) DRILLED UNUSED ARTESIAN WELL IN THE ABITA AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,434 FT, SCREENED 2,429-2,434. MP CENTER LINE OF DISCHARGE PIPE, 2.90 FT ABOVE LSD.
 LSD 4 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965,
 LOWEST WATER LEVEL 50.10 ABOVE LSD, NOV. 30, 1995.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	+52.70	MAR. 13, 1998	+51.30	APR. 22, 1998	+50.40	JULY 7, 1998	+51.40

300349089562401 LOCAL WELL NUMBER: OR-203

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 11S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 453 FT, SCREENED 448-453. MP TOP OF 2-IN. CASING, 0.50 FT ABOVE LSD.
 LSD 5 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 58.42 BELOW LSD, FEB. 5, 1993,
 LOWEST WATER LEVEL 81.72 BELOW LSD, SEP. 29, 1981.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1997	71.26	MAY 1, 1998	67.12				

300149090041701 LOCAL WELL NUMBER: OR-214

OWNER: UNIV. OF NEW ORLEANS. (SEC. 108, T. 12S., R. 11E.) DRILLED AIR CONDITIONING SUPPLY ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 3/4 IN., DEPTH 630 FT, SCREENED 527-630. MP TOP OF 1/2-IN. PVC VENT ON SOUTH SIDE OF CASING, 0.60 FT BELOW LSD.
 LSD 5 FT BELOW SEA LEVEL.
 HIGHEST WATER LEVEL 82.40 BELOW LSD, NOV. 30, 1995,
 LOWEST WATER LEVEL 135.00 BELOW LSD, AUG. 16, 1984.
 RECORDS AVAILABLE 1984, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1997	120.06	MAR. 16, 1998	93.75	APR. 30, 1998	100.90		

See footnotes at end of table..

GROUND-WATER LEVELS

OUACHITA PARISH

322843092084401 LOCAL WELL NUMBER: OU-80

OWNER: RIVERWOOD INTERNATIONAL, USA. (SEC. 10, T. 17N., R. 3E.) DRILLED INDUSTRIAL WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 16 TO 10 IN., DEPTH 721 FT, SCREENED 607-721. MP TOP OF RECORDER SHELF, 4.5 FT ABOVE LSD.

LSD 60 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 194.60 BELOW LSD, MAY 3, 1956.

LOWEST WATER LEVEL 298.83 BELOW LSD, AUG. 25, 1998.

RECORDS AVAILABLE 1956, 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	293.01H	FEB. 5, 1998	288.75	APR. 30, 1998	290.61	JULY 2, 1998	294.95H
OCT. 17	294.56H	FEB. 10	288.51	MAY 5	291.52	JULY 5	294.47
OCT. 31	291.37H	MAR. 5	288.09	MAY 10	291.61	JULY 10	294.20
NOV. 20	292.52	MAR. 10	288.52	MAY 15	292.70	JULY 15	296.19
NOV. 25	290.77	MAR. 15	289.26	MAY 20	291.95	JULY 20	295.63
NOV. 30	290.63	MAR. 20	288.26	MAY 25	292.28	JULY 25	297.72
DEC. 5	292.66	MAR. 25	288.71	MAY 31	292.30	AUG. 5	296.54
DEC. 10	292.17	MAR. 31	288.15	JUNE 5	288.44	AUG. 15	297.00
DEC. 25	290.24	APR. 10	291.32	JUNE 10	290.87	AUG. 20	297.57
JAN. 10, 1998	290.97	APR. 15	290.55	JUNE 15	292.27	AUG. 25	298.83
JAN. 20	290.73	APR. 20	290.76	JUNE 20	294.02	AUG. 31	298.45
JAN. 30	289.36H	APR. 22	288.76H	JUNE 25	294.47	SEP. 10	298.80
JAN. 31	288.67	APR. 25	289.71	JUNE 30	295.09	SEP. 20	295.47

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD.

LSD 62.28 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967.

LOWEST WATER LEVEL 110.79 BELOW LSD, SEP. 9, 1998.

RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1998	106.13	SEP. 9, 1998	110.79				

321714092041401 LOCAL WELL NUMBER: OU-402

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 750 FT, SCREENED 740-750. MP TOP OF BUSHING, 3.22 FT ABOVE LSD.

LSD 63.3 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965.

LOWEST WATER LEVEL 58.98 BELOW LSD, OCT. 10, 1996.

RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 20, 1998	54.93	MAR. 24, 1998	55.03	SEP. 8, 1998	56.52		

See footnotes at end of table.

GROUND-WATER LEVELS

OUACHITA PARISH-Continued

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 460 FT, SCREENED 453-460. MP TOP OF CASING, 3.82 FT ABOVE LSD. LSD 63.3 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967,
 LOWEST WATER LEVEL 65.66 BELOW LSD, SEP. 8, 1998.
 RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 20, 1998	63.76	MAR. 24, 1998	63.85	SEP. 8, 1998	65.66		

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD. LSD 66.66 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968,
 LOWEST WATER LEVEL 132.97 BELOW LSD, SEP. 8, 1998.
 RECORDS AVAILABLE 1965-71, 1974-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1998	129.88	SEP. 8, 1998	132.97				

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 670 FT, SCREENED 660-670. MP TOP OF CASING, 3.60 FT ABOVE LSD. LSD 118 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969,
 LOWEST WATER LEVEL 237.47 BELOW LSD, JULY 2, 1998.
 RECORDS AVAILABLE 1969-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1997	234.15	JAN. 30, 1998	231.98	APR. 22, 1998	232.11	JULY 2, 1998	237.47

POINTE COUPEE PARISH

304939091422101 LOCAL WELL NUMBER: PC-39

OWNER: C. FLINT. (SEC. 13, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 460 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF BELL REDUCER, 1.30 FT ABOVE LSD. LSD 41 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 3.19 ABOVE LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 26.64 BELOW LSD, DEC. 4, 1963.
 RECORDS AVAILABLE 1951, 1961, 1963-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	23.26	MAR. 6, 1998	10.62	MAY 7, 1998	8.11	JULY 20, 1998	12.85

GROUND-WATER LEVELS

POINTE COUPEE PARISH-Continued

303556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,530 FT, SCREENED 1,490-1,530. MP HOLE IN SANITARY SEAL, 2.12 FT ABOVE LSD.

LSD 33 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 20.10 ABOVE LSD, FEB. 2, 1961,

LOWEST WATER LEVEL 64.42 BELOW LSD, DEC. 6, 1990.

RECORDS AVAILABLE 1961-63, 1964-69, 1970-71, 1988, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	62.14	MAR. 6, 1998	61.13	MAY 7, 1998	60.35	JULY 20, 1998	61.69

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: LIVONIA, LA. (SEC. 16, T. 6S., R. 9E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 2,294 FT, SCREENED 2,259-2,294. MP (FLOWING) CENTER LINE OF DISCHARGE PIPE, 0.80 FT ABOVE LSD, MP (NOT FLOWING) EDGE OF 2-IN. HOLE ON TOP OF TEE, 1.15 FT ABOVE LSD.

LSD 26 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 73.90 ABOVE LSD, JULY 15, 1960,

LOWEST WATER LEVEL 3.52 BELOW LSD, NOV. 6, 1997.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	3.52	MAR. 6, 1998	2.69	MAY 7, 1998	2.02	JULY 20, 1998	3.45

303357091330401 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16, T. 6S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., REPORTED DEPTH 1,637 FT, SCREENED 1,617-1,637. MP TOP OF 3-IN COUPLING, 0.60 FT ABOVE LSD.

LSD 27 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 38.30 ABOVE LSD, MAY 23, 1973,

LOWEST WATER LEVEL 40.05 BELOW LSD, JULY 20, 1998.

RECORDS AVAILABLE 1972-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	39.51	MAR. 6, 1998	39.30	MAY 7, 1998	38.82	JULY 20, 1998	40.05

305023091393901 LOCAL WELL NUMBER: PC-143

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,228 FT, SCREENED 1,218-1,228. MP TOP OF WELL CASING, 1.55 FT ABOVE LSD.

LSD 41 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968,

LOWEST WATER LEVEL 13.45 BELOW LSD, NOV. 6, 1997.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	13.45	MAR. 6, 1998	10.61	MAY 7, 1998	10.58	JULY 20, 1998	12.62

See footnotes at end of table.

GROUND-WATER LEVELS

POINTE COUPEE PARISH-Continued

305023091393902 LOCAL WELL NUMBER: PC-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 835 FT, SCREENED 825-835. MP TOP EDGE OF WELL CASING, 2.10 FT ABOVE LSD.
 LSD 41 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 12.54 BELOW LSD, NOV. 16, 1994.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	12.10	MAR. 6, 1998	9.97	MAY 7, 1998	9.41	JULY 20, 1998	10.92

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 1,263 FT, SCREENED 1,173-1,263. MP TOP OF COLLAR WELDED TO PLATE ON TOP OF WELL, 1.09 FT ABOVE LSD.
 LSD 36 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975,
 LOWEST WATER LEVEL 69.89 BELOW LSD, FEB. 20, 1990.
 RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	59.94	MAR. 26, 1998	51.62	MAY 7, 1998	50.21	JULY 20, 1998	50.69

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., REPORTED DEPTH 990 FT, SCREENED 970-990. MP HOLE ON WEST SIDE OF SANITARY SEAL, REMOVE YELLOW BOLT, 1.0 FT ABOVE LSD.
 LSD 25 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 8, 1975,
 LOWEST WATER LEVEL 33.50 BELOW LSD, OCT. 19, 1988.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	31.73	MAR. 6, 1998	31.69	MAY 7, 1998	31.48	JULY 20, 1998	32.73

RAPIDES PARISH

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 220.55 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 50.44 BELOW LSD, JULY 9, 1993,
 LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.
 RECORDS AVAILABLE 1966-86, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	52.31	FEB. 3, 1998	52.17	APR. 8, 1998	52.06	JULY 9, 1998	52.45

GROUND-WATER LEVELS

RAPIDES PARISH-Continued

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA AQUIFER OF MIOCENE AGE, DIAM 2 IN., DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.

LSD 300 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969,

LOWEST WATER LEVEL 220.78 BELOW LSD, OCT. 3, 1996.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	220.54	FEB. 3, 1998	220.03	APR. 9, 1998	219.69	JULY 9, 1998	219.95

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 1,555 FT, SCREENED 1,545-1,555. MP TOP OF BUSHING, 0.55 FT BELOW LSD.

LSD 240 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977,

LOWEST WATER LEVEL 249.57 BELOW LSD, JAN. 23, 1996.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	248.71	APR. 8, 1998	245.13	JULY 9, 1998	244.95		

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 500 FT, SCREENED 490-500. MP TOP OF CASING, 0.45 ABOVE LSD.

LSD 100 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975,

LOWEST WATER LEVEL 68.39 BELOW LSD, APR. 6, 1998.

RECORDS AVAILABLE 1975-84, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	58.96	JAN. 9, 1998	61.00	APR. 6, 1998	68.39	JULY 9, 1998	65.28

310007092431601 LOCAL WELL NUMBER: R-1207

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 2,772 FT, SCREENED 2,752-2,772. MP TOP OF BUSHING, 4.20 FT ABOVE LSD.

LSD 180 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 56.10 BELOW LSD, DEC. 1, 1981,

LOWEST WATER LEVEL 80.51 BELOW LSD, JULY 9, 1998.

RECORDS AVAILABLE 1981-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1997	80.20	FEB. 3, 1998	79.46	APR. 7, 1998	79.77	JULY 9, 1998	80.51

GROUND-WATER LEVELS

RED RIVER PARISH

320316093114201 LOCAL WELL NUMBER: RR-278

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 12N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX AQUIFER OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, AT LSD. LSD 160 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 17.13 BELOW LSD, APR. 2, 1998.
 LOWEST WATER LEVEL 20.58 BELOW LSD, NOV. 24, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	17.77	JAN. 29, 1998	17.14	APR. 2, 1998	17.13	JULY 2, 1998	17.88

RICHLAND PARISH

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 26, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCK-FIELD AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD. LSD 84 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975.
 LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.
 RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	20.03	JAN. 5, 1998	19.82	APR. 22, 1998	18.78	JULY 2, 1998	20.48

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD. LSD 80 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.08 BELOW LSD, APR. 3, 1992.
 LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	11.36	JAN. 5, 1998	10.79	APR. 22, 1998	10.04	JULY 2, 1998	10.81

GROUND-WATER LEVELS

RICHLAND PARISH-Continued

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 67 FT, SCREENED 64-67. MP TOP OF CASING, 1.90 FT ABOVE LSD.

LSD 95 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978,

LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1998	33.90	SEP. 9, 1998	34.34				

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, 3.25 FT ABOVE LSD.

LSD 95 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 30.54 BELOW LSD, MAR. 23, 1998,

LOWEST WATER LEVEL 34.95 BELOW LSD, DEC. 4, 1972.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1998	30.54	SEP. 9, 1998	30.71				

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 1.60 FT ABOVE LSD.

LSD 95 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 26.56 BELOW LSD, MAR. 23, 1998,

LOWEST WATER LEVEL 34.53 BELOW LSD, SEP. 22, 1982.

RECORDS AVAILABLE 1974-84, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1998	26.56	SEP. 9, 1998	28.11				

SABINE PARISH

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX AQUIFER OF EOCENE-PALEOCENE AGE, DIAM 10 IN., DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.80 FT ABOVE LSD.

LSD 220 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 3.34 BELOW LSD, MAR. 21, 1961,

LOWEST WATER LEVEL 16.93 BELOW LSD, MAR. 1, 1982.

RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1997	12.09	FEB. 4, 1998	6.56	APR. 7, 1998	6.50	JULY 8, 1998	11.98

GROUND-WATER LEVELS

SABINE PARISH-Continued

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 544 FT, SCREENED 539-544. MP TOP OF CASING, 0.50 FT ABOVE LSD. LSD 242 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 23.23 BELOW LSD, APR. 19, 1995,
 LOWEST WATER LEVEL 26.30 BELOW LSD, NOV. 13, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	24.03	FEB. 4, 1998	23.47	APR. 7, 1998	23.31	JULY 8, 1998	24.17

ST. HELENA PARISH

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: TWO-B RANCH. (SEC. 73, T. 2S., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,135 FT, SCREENED 2,106-2,135. MP 3/8-IN. HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.

LSD 165 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 53.70 BELOW LSD, JUNE 25, 1960,
 LOWEST WATER LEVEL 87.97 BELOW LSD, JAN. 30, 1989.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1997	86.75	MAR. 11, 1998	86.42	APR. 20, 1998	86.28	JULY 8, 1998	86.15

ST. JAMES PARISH

300024090433501 LOCAL WELL NUMBER: SJ-86

OWNER: RICHARD J. BRAZAN. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN THE GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 290 FT, SCREENED 280-290. MP TOP OF 2-IN. NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.

LSD 18.3 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 3.52 BELOW LSD, APR. 15, 1997,
 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
OCT. 22, 1997	16.52	MAR. 17, 1998	7.91	MAY 5, 1998	6.35	JULY 1, 1998	8.93

300445090520301 LOCAL WELL NUMBER: SJ-203

OWNER: RIVER ROAD FARM SUPPLY CO. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN THE NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 444 FT, SCREENED 384-444. MP TOP 1 1/2-IN. BREATHER PIPE, 0.65 FT ABOVE LSD.

LSD 19 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 1.83 BELOW LSD, APR. 15, 1997,
 LOWEST WATER LEVEL 18.74 BELOW LSD, MAR. 29, 1988.
 RECORDS AVAILABLE 1975, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1997	15.95	MAR. 23, 1998	6.44	MAY 5, 1998	5.19	JULY 1, 1998	7.93

GROUND-WATER LEVELS

ST. JOHN THE BAPTIST PARISH

300234090390301 LOCAL WELL NUMBER: SJB-145

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN THE GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 315 FT, SCREENED 305-315. MP TOP OF 1/4-IN. HOLE IN CAP, 2.60 FT ABOVE LSD.
 LSD 17.71 FT ABOVE SEA LEVEL.
 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
OCT. 28, 1997	19.71	MAR. 17, 1998	8.91	MAY 5, 1998	7.46	JULY 1, 1998	10.97

301247090245901 LOCAL WELL NUMBER: SJB-165

OWNER: CONSOLIDATED WW DIST NO. 1. (SEC. 5, T. 10S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE COVINGTON AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN., DEPTH 3,000 FT, SCREENED 2,900-3,000. MP CENTER LINE OF SAMPLE FAUCET IN HORIZONTAL 12-IN. CASING, 3.40 FT ABOVE LSD.
 LSD 6 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 94.80 ABOVE LSD, SEP. 23, 1974.
 LOWEST WATER LEVEL 42.80 ABOVE LSD, MAR. 17, 1998.
 RECORDS AVAILABLE 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1997	+45.70	MAR. 17, 1998	+42.80	APR. 30, 1998	+45.00	JULY 13, 1998	+43.40

301336090244101 LOCAL WELL NUMBER: SJB-176

OWNER: ST JOHN THE BAPTIST PARISH. (SEC. 33, T. 9S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE COVINGTON AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 10 IN., DEPTH 2,950 FT, SCREENED 2,822-2,950. MP CENTER LINE OF SAMPLE FAUCET ON HORIZONTAL 16-IN. CASING, 2.90 FT ABOVE LSD.
 LSD 5.4 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 72.19 ABOVE LSD, SEP. 16, 1985.
 LOWEST WATER LEVEL 46.40 ABOVE LSD, JULY 13, 1998.
 RECORDS AVAILABLE 1985, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1997	+49.90	MAR. 17, 1998	+48.90	APR. 30, 1998	+52.20	JULY 13, 1998	+46.40

301143090260101 LOCAL WELL NUMBER: SJB-180

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 10S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COVINGTON AQUIFER OF PLEISTOCENE AGE, DIAM 8.63 TO 4.5 IN., DEPTH 3,091 FT, SCREENED 3,070-3,091. MP CENTER LINE OF 2-IN. DISCHARGE PIPE, 3.0 FT ABOVE LSD.
 LSD 1 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 67.40 ABOVE LSD, APR. 19, 1994.
 LOWEST WATER LEVEL 53.90 ABOVE LSD, MAR. 17, 1998.
 RECORDS AVAILABLE 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1997	+55.30	MAR. 17, 1998	+53.90	APR. 30, 1998	+54.90	JULY 13, 1998	+57.50

See footnotes at end of table.

GROUND-WATER LEVELS

ST. LANDRY PARISH

304116092083601 LOCAL WELL NUMBER: SL-179

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 40, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN. CASING, 4.00 FT ABOVE LSD.

LSD 55.23 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958.

LOWEST WATER LEVEL 57.99 BELOW LSD, OCT. 17, 1984.

RECORDS AVAILABLE 1957-72, 1974-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1997	54.34	JAN. 14, 1998	54.56	APR. 27, 1998	54.39	AUG. 13, 1998	54.73

ST. MARTIN PARISH

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 505 FT, SCREENED 500-505. MP TOP OF 2-IN. CASING, 3.0 FT ABOVE LSD.

LSD 11.34 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973.

LOWEST WATER LEVEL 9.13 BELOW LSD, NOV. 11, 1987.

RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	7.30	MAR. 20, 1998	1.55				

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 375 FT, SCREENED 370-375. MP TOP OF 2-IN. CASING, 2.40 FT ABOVE LSD.

LSD 11.34 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 2.94 ABOVE LSD, FEB. 27, 1974.

LOWEST WATER LEVEL 10.38 BELOW LSD, NOV. 11, 1987.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	7.96	MAR. 20, 1998	2.25	APR. 27, 1998	1.89	JULY 13, 1998	4.24
JAN. 12, 1998	6.35						

300947091472102 LOCAL WELL NUMBER: SMN-134B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 10S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 846 FT, SCREENED 836-846. MP TOP OF 2-IN. CASING, 3.50 FT ABOVE LSD.

LSD 20 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 10.42 BELOW LSD, JUNE 4, 1975.

LOWEST WATER LEVEL 20.30 BELOW LSD, MAY 19, 1993.

RECORDS AVAILABLE 1975-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	17.14	JAN. 12, 1998	16.91	APR. 27, 1998	14.90	JULY 13, 1998	16.40

GROUND-WATER LEVELS

ST. MARY PARISH

294749091402301 LOCAL WELL NUMBER: SM-57U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 638 FT, SCREENED 628-638. MP TOP OF 1 1/2-IN. CASING, 2.50 FT ABOVE LSD.

LSD 8.72 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 6.20 BELOW LSD, JUNE 15, 1993.

LOWEST WATER LEVEL 10.25 BELOW LSD, DEC. 20, 1976.

RECORDS AVAILABLE 1964-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1997	8.20	MAR. 17, 1998	7.97				

ST. TAMMANY PARISH

302052090010201 LOCAL WELL NUMBER: ST-532

OWNER: LOUISIANA DEPARTMENT OF INSTITUTIONS. (SEC. 43, T. 8S., R. 12E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE BIG BRANCH AQUIFER (ZONE 1) OF PLEISTOCENE AGE, DIAM 10 IN., DEPTH 1,519 FT, SCREENED INTERVAL UNKNOWN. MP CENTER LINE OF FAUCET IN 8-IN. DISCHARGE LINE, 3.3 FT ABOVE LSD.

LSD 8 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 28.00 ABOVE LSD, OCT. 19, 1949.

LOWEST WATER LEVEL 17.40 ABOVE LSD, OCT. 18, 1995.

RECORDS AVAILABLE 1949, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1997	+19.60	MAR. 11, 1998	+19.80	APR. 21, 1998	+19.80	JULY 7, 1998	+20.00

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE SLIDELL AQUIFER (ZONE 2) OF PLEISTOCENE AGE, DIAM 10 IN., DEPTH 2,411 FT, SCREENED 2,262-2,343 AND 2,322-2,411. MP CENTER LINE OF FAUCET OF DISCHARGE LINE, 2.00 FT ABOVE LSD.

LSD 10.24 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958.

LOWEST WATER LEVEL 49.90 ABOVE LSD, JULY 23, 1996.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1997	+51.20	MAR. 12, 1998	+52.80	APR. 22, 1998	+51.50	JULY 9, 1998	+50.00

301920089560801 LOCAL WELL NUMBER: ST-576

OWNER: HOLY REDEEMER COLLEGE. (SEC. 43, T. 8S., R. 13E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE SLIDELL AQUIFER (ZONE 2) OF PLEISTOCENE AGE, DIAM 7 IN., DEPTH 2,334 FT, SCREENED 2,238-2,334. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 2.00 FT ABOVE LSD.

LSD 17 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 108.00 ABOVE LSD, FEB. 23, 1961.

LOWEST WATER LEVEL 43.60 ABOVE LSD, FEB. 28, 1996.

RECORDS AVAILABLE 1961, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1997	+46.90	MAR. 12, 1998	+47.00	APR. 22, 1998	+47.50	JULY 7, 1998	+45.00

See footnotes at end of table.

GROUND-WATER LEVELS

TANGIPAHOA PARISH

304550090304101

LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN THE AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,013 FT, SCREENED 1,951-2,013. MP TOP OF 3/4-IN. VALVE, 3.65 FT ABOVE LSD.

LSD 130.86 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,

LOWEST WATER LEVEL 36.94 BELOW LSD, OCT. 29, 1997.

RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1997	36.94	MAR. 11, 1998	36.02	APR. 20, 1998	35.62	JULY 8, 1998	36.86

302957090274001

LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN., DEPTH 2,449 FT, SCREENED 2,365-2,449. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 2.70 FT ABOVE LSD.

LSD 35 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 128.00 ABOVE LSD, OCT. 21, 1956,

LOWEST WATER LEVEL 5.90 ABOVE LSD, JULY 8, 1998.

RECORDS AVAILABLE 1956-85, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1997	+11.60	MAR. 11, 1998	+14.10	APR. 21, 1998	+11.90	JULY 8, 1998	+5.90

302519090311401

LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN THE TCHEFUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 3 IN., DEPTH 2,329 FT, SCREENED 2,289-2,329. MP CENTER LINE OF TEE, 2.50 FT ABOVE LSD.

LSD 11 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960,

LOWEST WATER LEVEL 76.00 ABOVE LSD, MAY 19, 1998.

RECORDS AVAILABLE 1960-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	+79.50	MAR. 11, 1998	+76.10	MAY 19, 1998	+76.00	JULY 21, 1998	+76.50

See footnotes at end of table.

GROUND-WATER LEVELS

TANGIPAHOA PARISH-Continued

303420090221701 LOCAL WELL NUMBER: TA-278

OWNER: RAY DUNNINGTON. (SEC. 35, T. 5S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN THE COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 1,430 FT, SCREENED 1,410-1,430. MP CENTER LINE OF SAMPLE FAUCET, 2.00 FT ABOVE LSD.

LSD 52 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 87.80 ABOVE LSD, JAN. 14, 1961,

LOWEST WATER LEVEL 51.50 ABOVE LSD, JULY 8, 1998.

RECORDS AVAILABLE 1961, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1997	+52.70	MAR. 11, 1998	+52.90	APR. 21, 1998	+53.00	JULY 8, 1998	+51.50

303104090335901 LOCAL WELL NUMBER: TA-343

OWNER: LA. STATE SCHOOL, HAMMOND. (SEC. 24, T. 6S., R. 6E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 TO 6 IN., DEPTH 2,442 FT, SCREENED 2,402-2,442. MP CENTER LINE OF FAUCET ON BEND OF 8-IN. PIPE, 1.80 FT ABOVE LSD.

LSD 42 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 87.43 ABOVE LSD, MAY 19, 1969,

LOWEST WATER LEVEL 28.00 ABOVE LSD, JULY 10, 1998.

RECORDS AVAILABLE 1969, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1997	+30.10	MAR. 11, 1998	+32.80	MAY 6, 1998	+31.30	JULY 10, 1998	+28.00

305737090322501 LOCAL WELL NUMBER: TA-362

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 40, T. 1S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 43 FT, SCREENED 40-43. MP TOP OF 1 1/4-IN. CASING, 3.2 FT ABOVE LSD.

LSD 265 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 16.65 BELOW LSD, APR. 28, 1980,

LOWEST WATER LEVEL 25.03 BELOW LSD, DEC. 21, 1970.

RECORDS AVAILABLE 1968-89, 1991, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 20, 1998	19.83	JUNE 1, 1998	20.10	JULY 8, 1998	20.74	AUG. 6, 1998	21.00

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE KENTWOOD AQUIFER (ZONE 2) OF 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 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975,

LOWEST WATER LEVEL 7.27 BELOW LSD, OCT. 16, 1996.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1997	6.76	APR. 20, 1998	6.20	JULY 8, 1998	6.69	AUG. 26, 1998	7.00
MAR. 11, 1998	6.53						

See footnotes at end of table.

GROUND-WATER LEVELS

TANGIPAHOA PARISH-Continued

305604090312101 LOCAL WELL NUMBER: TA-454

OWNER: TOWN OF KENTWOOD. (SEC. 29, T. 1S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 720 FT, SCREENED 640-720. MP TOP OF 3/8-IN. HOLE IN BREATHER PIPE, NORTH SIDE OF WELL, 2.24 FT ABOVE LSD.
 LSD 260 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 70.09 BELOW LSD, JAN. 14, 1992,
 LOWEST WATER LEVEL 84.41 BELOW LSD, JULY 2, 1990.
 RECORDS AVAILABLE 1983, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1997	73.98	MAR. 11, 1998	74.50	APR. 20, 1998	73.61	JULY 8, 1998	76.07

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E.R. MCDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 110 FT, SCREENED 80-110. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 79.6 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979,
 LOWEST WATER LEVEL 17.78 BELOW LSD, JUNE 11, 1987.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	13.52	JAN. 5, 1998	12.09	APR. 9, 1998	11.10	SEP. 18, 1998	15.01

UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: RIVERWOOD INTERNATIONAL, USA. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN., DEPTH 745 FT, SCREENED 670-745. MP 3/4-IN. HOLE IN TOP OF WELL COVER, 1.90 FT ABOVE LSD.
 LSD 133.92 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959,
 LOWEST WATER LEVEL 192.02 BELOW LSD, JULY 2, 1998.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1997	190.68	JAN. 30, 1998	190.98	APR. 22, 1998	191.44	JULY 2, 1998	192.02

VERMILION PARISH

295345092100703 LOCAL WELL NUMBER: VE-637L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN., DEPTH 243 FT, SCREENED 233-243. MP TOP OF 1 1/2-IN. PIPE, 2.66 FT ABOVE LSD.
 LSD 4.06 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 8.10 BELOW LSD, FEB. 24, 1966,
 LOWEST WATER LEVEL 15.11 BELOW LSD, JUNE 25, 1970.
 RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	11.84	MAR. 18, 1998	9.99				

GROUND-WATER LEVELS

VERMILION PARISH-Continued

295345092100702 LOCAL WELL NUMBER: VE-637U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 198 FT, SCREENED 188-198. MP TOP OF 1 1/2-IN. PIPE, 2.66 FT ABOVE LSD.

LSD 4.06 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 7.99 BELOW LSD, FEB. 24, 1966,

LOWEST WATER LEVEL 13.51 BELOW LSD, JUNE 9, 1971.

RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	11.78	JAN. 12, 1998	10.88	APR. 27, 1998	9.48	JULY 13, 1998	11.86

293845092264901 LOCAL WELL NUMBER: VE-639

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 608 FT, SCREENED 603-608. MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.

LSD 5.84 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 6.22 BELOW LSD, OCT. 20, 1965,

LOWEST WATER LEVEL 10.22 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1965-79, 1981, 1983-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1997	9.32	MAR. 18, 1998	8.80				

VERNON PARISH

305850093260801 LOCAL WELL NUMBER: V-196

OWNER: LUTCHER MOORE LUMBER CO. (SEC. 18, T. 1S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 503 FT, SCREENED 451-503. MP 3/4-IN. HOLE IN SANITARY SEAL ON TOP OF 12-IN. CASING, 2.0 FT ABOVE LSD.

LSD 243 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 99.00 BELOW LSD, APR. 7, 1955,

LOWEST WATER LEVEL 144.98 BELOW LSD, JUNE 19, 1998.

RECORDS AVAILABLE 1955, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	136.09	JAN. 13, 1998	133.61	APR. 3, 1998	128.46	JULY 17, 1998	135.64
NOV. 7	135.82	FEB. 4	137.83	MAY 22	133.86	AUG. 14	136.06
DEC. 9	134.73	MAR. 13	132.00	JUNE 19	144.98		

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 2 IN., DEPTH 915 FT, SCREENED 905-915. MP RED NOTCH ON TOP OF 2-IN. CASING AFTER REMOVING COUPLING, 3.10 FT ABOVE LSD.

LSD 305 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969,

LOWEST WATER LEVEL 153.32 BELOW LSD, AUG. 1, 1996.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	151.50	JAN. 13, 1998	151.33	APR. 9, 1998	151.19	JULY 17, 1998	152.72
NOV. 7	151.12	FEB. 4	151.09	MAY 22	151.80	AUG. 14	153.29
DEC. 9	151.08	MAR. 13	151.22	JUNE 19	152.70		

GROUND-WATER LEVELS

VERNON PARISH-Continued

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 2 IN., DEPTH 925 FT, SCREENED 915-925. MP RED NOTCH FILED ON NORTH SIDE OF 1-IN. REDUCER ON TOP OF 2-IN. COUPLING, 2.00 FT ABOVE LSD.
 LSD 290 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968,
 LOWEST WATER LEVEL 130.52 BELOW LSD, JUNE 13, 1997.
 RECORDS AVAILABLE 1967-80, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	103.08	JAN. 13, 1998	104.05	APR. 6, 1998	102.98	JULY 17, 1998	103.38
NOV. 7	102.97	FEB. 4	102.63	MAY 22	103.07	AUG. 14	103.39
DEC. 9	102.95	MAR. 13	102.55	JUNE 19	103.38		

310138093104501 LOCAL WELL NUMBER: V-492

OWNER: U.S. ARMY, FORT POLK. (SEC. 34, T. 1N., R. 8W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE WILLIAMSON-CREEK AQUIFER OF MIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 610 FT, SCREENED 568-608. MP RED NOTCH FILED IN LOWER WALL OF ACCESS PIPE, 1.3 FT ABOVE LSD.
 LSD 286.50 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 148.86 BELOW LSD, JULY 8, 1996,
 LOWEST WATER LEVEL 161.35 BELOW LSD, SEP. 30, 1998.
 RECORDS AVAILABLE 1980, 1985, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	151.44	JAN. 16, 1998	151.12	APR. 3, 1998	150.12	JULY 17, 1998	150.68
NOV. 7	151.73	FEB. 6	151.20	MAY 22	150.19	AUG. 14	151.38
DEC. 11	151.17	MAR. 16	151.02	JUNE 26	150.81	SEP. 30	161.35

310644093090401 LOCAL WELL NUMBER: V-494

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 675 FT, SCREENED 591-641 AND 657-675. MP NOTCH FILED IN LOWER WALL OF ACCESS PIPE, 0.90 FT ABOVE LSD.
 LSD 340 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 224.73 BELOW LSD, NOV. 6, 1985,
 LOWEST WATER LEVEL 246.56 BELOW LSD, JUNE 13, 1997.
 RECORDS AVAILABLE 1981, 1985-86, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	238.77	JAN. 16, 1998	230.02	APR. 3, 1998	225.45	JULY 17, 1998	232.70
NOV. 7	233.33	FEB. 4	229.06	MAY 22	230.50	AUG. 14	243.21
DEC. 9	229.77	MAR. 16	226.13	JUNE 26	240.73	SEP. 30	228.36

GROUND-WATER LEVELS

VERNON PARISH-Continued

310412093134001 LOCAL WELL NUMBER: V-496

OWNER: U.S. ARMY, FT POLK. (SEC. 18, T. 1N, R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 1,415 FT, SCREENED 1,345-1,415. MP NOTCH ON EAST SIDE OF 1-IN. PIPE EXTENDING FROM CASING COVER, 2.0 FT ABOVE LSD.
 LSD 284.20 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 94.82 BELOW LSD, MAY 22, 1998.
 LOWEST WATER LEVEL 141.16 BELOW LSD, AUG. 14, 1998.
 RECORDS AVAILABLE 1982, 1986, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 23, 1998	97.57	MAR. 16, 1998	95.85	JULY 21, 1998	139.58	AUG. 14, 1998	141.16
FEB. 6	95.82	MAY 22	94.82				

310708093100904 LOCAL WELL NUMBER: V-513

OWNER: U.S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 16 TO 10 IN., DEPTH 1,275 FT, SCREENED 1,167-1,217 AND 1,245-1,275. MP TOP OF PVC DROP PIPE, 1.30 FT ABOVE LSD.
 LSD 335 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 177.45 BELOW LSD, JAN. 3, 1992.
 LOWEST WATER LEVEL 198.83 BELOW LSD, SEP. 30, 1998.
 RECORDS AVAILABLE 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	186.91	JAN. 16, 1998	184.19	APR. 3, 1998	182.98	JULY 21, 1998	191.13
NOV. 7	186.68	FEB. 6	187.22	MAY 22	186.19	AUG. 14	190.69
DEC. 9	186.29	MAR. 13	185.71	JUNE 26	185.98	SEP. 30	198.83

310550093115801 LOCAL WELL NUMBER: V-515

OWNER: U.S. ARMY, FT POLK. (SEC. 4, T. 1N, R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 16 IN., DEPTH 1,233 FT, SCREENED 1,160-1,230. MP LOWER LIP OF ANGLED COUPLING, AFTER REMOVING 90° ELBOW, 1.70 FT ABOVE LSD.
 LSD 320 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 166.80 BELOW LSD, MAR. 6, 1986.
 LOWEST WATER LEVEL 198.51 BELOW LSD, JULY 11, 1997.
 RECORDS AVAILABLE 1986, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	174.66	FEB. 6, 1998	173.69	APR. 3, 1998	192.87	JUNE 26, 1998	176.17
DEC. 11	174.60	MAR. 16	173.98	MAY 22	173.73	AUG. 14	178.59
JAN. 16, 1998	175.81						

GROUND-WATER LEVELS

VERNON PARISH-Continued

310208093120401 LOCAL WELL NUMBER: V-536

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 14.5 FT, SCREENED 4.5-14.5. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.60 FT ABOVE LSD.
 LSD 275.60 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.37 BELOW LSD, JAN. 30, 1998,
 LOWEST WATER LEVEL 4.85 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	4.63	JAN. 30, 1998	2.37	APR. 27, 1998	2.86	JULY 31, 1998	4.85

310208093120801 LOCAL WELL NUMBER: V-539

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 19 FT, SCREENED 9-19. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 1.0 FT ABOVE LSD.
 LSD 279.60 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 8.78 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 10.19 BELOW LSD, JAN. 23, 1989.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	9.97	JAN. 30, 1998	8.98	APR. 27, 1998	8.97	JULY 31, 1998	9.91

310209093120501 LOCAL WELL NUMBER: V-540

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 14.8 FT, SCREENED 4.8-14.8. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.90 FT ABOVE LSD.
 LSD 278.10 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 4.32 BELOW LSD, JAN. 30, 1998,
 LOWEST WATER LEVEL 5.96 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	5.72	JAN. 30, 1998	4.32	APR. 27, 1998	4.79	JULY 31, 1998	5.96

GROUND-WATER LEVELS

VERNON PARISH-Continued

310150093120201 LOCAL WELL NUMBER: V-541

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 15.5 FT, SCREENED 5.5-15.5. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.70 FT ABOVE LSD.
 LSD 265.50 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 8.62 BELOW LSD, JULY 2, 1997,
 LOWEST WATER LEVEL 11.59 BELOW LSD, JAN. 23, 1989.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	10.69	JAN. 30, 1998	8.81	APR. 27, 1998	9.52	JULY 31, 1998	10.84

310152093121301 LOCAL WELL NUMBER: V-542

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 15.8 FT, SCREENED 5.8-15.8. MP RED NOTCH ON SOUTH SIDE OF 2-IN. PVC CASING, 0.10 FT BELOW LSD.
 LSD 276.20 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.50 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 10.77 BELOW LSD, JUNE 31, 1998.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	10.69	JAN. 30, 1998	9.69	APR. 27, 1998	9.71	JULY 31, 1998	10.77

310201093120801 LOCAL WELL NUMBER: V-543

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 14.8 FT, SCREENED 4.8-14.8. MP RED NOTCH ON NORTH SIDE OF 2-IN. PVC CASING, 0.20 FT BELOW LSD.
 LSD 278.10 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 7.53 BELOW LSD, APR. 27, 1998,
 LOWEST WATER LEVEL 8.90 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	8.76	JAN. 30, 1998	7.71	APR. 27, 1998	7.53	JULY 31, 1998	8.69

310202093115901 LOCAL WELL NUMBER: V-545

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 15.0 FT, SCREENED 5.0-15.0. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.60 FT ABOVE LSD.
 LSD 263.10 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 5.61 BELOW LSD, JAN. 30, 1998,
 LOWEST WATER LEVEL 7.18 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	6.70	JAN. 30, 1998	5.61	APR. 27, 1998	6.22	JULY 31, 1998	7.18

GROUND-WATER LEVELS

VERNON PARISH-Continued

310214093114701 LOCAL WELL NUMBER: V-570

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLOCENE AGE, DIAM 2 IN., DEPTH 15.4 FT, SCREENED 5.4-15.4. MP RED NOTCH ON NORTH SIDE OF 2-IN. PVC CASING, 2.50 FT ABOVE LSD.
 LSD 280.0 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 6.23 BELOW LSD, JAN. 30, 1998.
 LOWEST WATER LEVEL 10.58 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	8.94	JAN. 30, 1998	6.23	APR. 27, 1998	7.34	JULY 31, 1998	10.58

310633093093503 LOCAL WELL NUMBER: V-597

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 10.0 FT, SCREENED 3.0-10.0. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.20 FT ABOVE LSD.
 LSD 340.0 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.60 BELOW LSD, JULY 14, 1989.
 LOWEST WATER LEVEL 7.68 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	6.97	JAN. 30, 1998	3.08	APR. 27, 1998	4.17	JULY 31, 1998	6.42

310657093093201 LOCAL WELL NUMBER: V-601

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 14.0 FT, SCREENED 4.0-14.0. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.95 FT ABOVE LSD.
 LSD 351.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.22 BELOW LSD, APR. 14, 1997.
 LOWEST WATER LEVEL 11.88 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	11.69	JAN. 30, 1998	9.94	APR. 27, 1998	10.64	JULY 31, 1998	11.88

310703093093304 LOCAL WELL NUMBER: V-609

OWNER: U.S. ARMY, FT POLK. (SEC. 26, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 17.0 FT, SCREENED 7.0-17.0. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.70 FT ABOVE LSD.
 LSD 368.0 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL .41 BELOW LSD, JAN. 30, 1997.
 LOWEST WATER LEVEL 5.99 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	3.19	JAN. 30, 1998	1.16	APR. 27, 1998	2.92	JULY 31, 1998	5.99

GROUND-WATER LEVELS

VERNON PARISH-Continued

310402093121601 LOCAL WELL NUMBER: V-616

OWNER: U.S. ARMY, FT POLK. (SEC. 17, T. 1N., R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 14.0 FT, SCREENED 4.0-14.0. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.30 FT ABOVE LSD.
 LSD 352.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 1.36 BELOW LSD, JAN. 30, 1997.
 LOWEST WATER LEVEL 3.87 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	3.79	JAN. 30, 1998	2.18	APR. 27, 1998	3.13	JULY 31, 1998	3.87

310452093065501 LOCAL WELL NUMBER: V-651

OWNER: U.S. ARMY, FORT POLK. (SEC. 8, T. 1N., R. 7W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 6 TO 3 IN., DEPTH 938 FT, SCREENED 908-938. MP RED NOTCH FILED IN LOWER WALL OF ACCESS PIPE, 1.3 FT ABOVE LSD.
 LSD 350 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 244.12 BELOW LSD, MAR. 13, 1998.
 LOWEST WATER LEVEL 258.18 BELOW LSD, JULY 11, 1997.
 RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	247.32	FEB. 6, 1998	245.43	MAY 22, 1998	252.52	AUG. 14, 1998	255.05
DEC. 9	246.51	MAR. 13	244.12	JUNE 26	253.42	SEP. 30	255.68
JAN. 23, 1998	245.50	APR. 3	247.66	JULY 17	251.52		

310248093125501 LOCAL WELL NUMBER: V-659

OWNER: U.S. ARMY, FT POLK. (SEC. 20, T. 1N., R. 8W.) DRILLED PUBLIC-SUPPLY WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 24 TO 16 IN., DEPTH 912 FT, SCREENED 859-912. MP 3/4-IN. ID PIPE IN PUMP BASE, 2.1 FT ABOVE LSD.
 LSD 310 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 216.13 BELOW LSD, FEB. 6, 1998.
 LOWEST WATER LEVEL 240.49 BELOW LSD, JUNE 26, 1998.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	226.33	JAN. 16, 1998	217.07	MAR. 13, 1998	221.20	MAY 22, 1998	226.78
NOV. 7	220.98	FEB. 6	216.13	APR. 3	225.22	JUNE 26	240.49
DEC. 11	220.85						

310310093120601 LOCAL WELL NUMBER: V-670

OWNER: U.S. ARMY, FORT POLK. (SEC. 20, T. 1N., R. 8W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 24 IN., DEPTH 900 FT, SCREENED 859-900. MP RED NOTCH IN LOWER WALL OF ACCESS PIPE, 2.0 FT ABOVE LSD.
 LSD 340 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 231.98 BELOW LSD, JULY 8, 1996.
 LOWEST WATER LEVEL 268.44 BELOW LSD, MAR. 1, 1995.
 RECORDS AVAILABLE 1992, 1994-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	254.50	JAN. 16, 1998	242.13	APR. 3, 1998	250.36	JULY 21, 1998	262.51
NOV. 7	247.76	FEB. 6	244.33	MAY 22	257.08	AUG. 14	264.64
DEC. 11	244.00	MAR. 16	242.22	JULY 26	265.27		

GROUND-WATER LEVELS

VERNON PARISH-Continued

310640093104501 LOCAL WELL NUMBER: V-5594Z

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK AQUIFER SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 4 IN., DEPTH 18 FT, SCREENED 8-18. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 1.34 FT ABOVE LSD.

LSD 334.00 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 3.80 BELOW LSD, JAN. 30, 1997,

LOWEST WATER LEVEL 17.28 BELOW LSD, JULY 31, 1988.

RECORDS AVAILABLE 1988, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	10.41	JAN. 30, 1998	4.09	APR. 27, 1998	6.85	JULY 31, 1998	17.28

310228093115301 LOCAL WELL NUMBER: V-5809Z

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 18 FT, SCREENED 8-18. MP RED NOTCH ON NORTH SIDE OF 2-IN. PVC CASING, 0.75 FT BELOW LSD.

LSD 287.00 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 0.24 BELOW LSD, JAN. 30, 1998,

LOWEST WATER LEVEL 1.92 BELOW LSD, JUNE 11, 1996.

RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	1.46	JAN. 30, 1998	.24	APR. 27, 1998	1.12	JULY 31, 1998	1.89

310430093123014 LOCAL WELL NUMBER: V-6087Z

OWNER: U.S. ARMY, FT POLK. (SEC. 8, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK AQUIFER SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 27 FT, SCREENED 17-27. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.40 FT ABOVE LSD.

LSD 318.00 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 10.13 BELOW LSD, JULY 31, 1998,

LOWEST WATER LEVEL 13.59 BELOW LSD, JUNE 11, 1996.

RECORDS AVAILABLE 1993, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1997	11.63	JAN. 30, 1998	12.25	APR. 27, 1998	11.24	JULY 31, 1998	10.13

310424093120101 LOCAL WELL NUMBER: V-6149Z

OWNER: U.S. ARMY, FT POLK. (SEC. 9, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK AQUIFER SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 16 FT, SCREENED 11-16. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.85 FT ABOVE LSD.

LSD 350.00 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 1.49 BELOW LSD, JAN. 30, 1997,

LOWEST WATER LEVEL 6.08 BELOW LSD, JULY 31, 1998.

RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	4.03	JAN. 30, 1998	1.96	APR. 27, 1998	3.29	JULY 31, 1998	6.08

GROUND-WATER LEVELS

VERNON PARISH-Continued

310152093121501 LOCAL WELL NUMBER: V-6153Z

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 19 FT, SCREENED 9-19. MP RED NOTCH ON NORTH SIDE OF 2-IN. CASING, 2.75 FT BELOW LSD.
 LSD 283.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.63 BELOW LSD, JAN. 25, 1994,
 LOWEST WATER LEVEL 11.43 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	10.30	JAN. 30, 1998	10.09	APR. 27, 1998	10.25	JULY 31, 1998	11.43

310640093093201 LOCAL WELL NUMBER: V-6165Z

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK AQUIFER SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 4 IN., DEPTH 15 FT, SCREENED 5-15. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.50 FT ABOVE LSD.
 LSD 325.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 1.27 BELOW LSD, JAN. 30, 1997,
 LOWEST WATER LEVEL 6.51 BELOW LSD, JULY 31, 1998.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	3.69	JAN. 30, 1998	1.50	APR 27, 1998	3.03	JULY 31, 1998	6.51

310253093114302 LOCAL WELL NUMBER: V-6269Z

OWNER: U.S. ARMY, FT POLK. (SEC. 21, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 4 IN., DEPTH 21 FT, SCREENED 15-18. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 3.15 FT ABOVE LSD.
 LSD 320.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 10.04 BELOW LSD, JAN. 30, 1998,
 LOWEST WATER LEVEL 13.82 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1997	13.55	JAN. 30, 1998	10.04	APR. 27, 1998	10.66	JULY 31, 1998	11.75

310116093123301 LOCAL WELL NUMBER: V-6305Z

OWNER: U.S. ARMY, FT POLK. (SEC. 32, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 4 IN., DEPTH 14 FT, SCREENED 9-13. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.98 FT ABOVE LSD.
 LSD 268.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.06 BELOW LSD, MAR. 16, 1995,
 LOWEST WATER LEVEL 10.41 BELOW LSD, NOV. 20, 1996.
 RECORDS AVAILABLE 1995-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	9.75	JAN. 30, 1998	3.44	APR. 27, 1998	6.00	JULY 31, 1998	10.02

GROUND-WATER LEVELS

VERNON PARISH-Continued

310230093121301 LOCAL WELL NUMBER: V-6340Z

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 4 IN., DEPTH 14.8 FT, SCREENED 4.8-14.8. MP RED NOTCH ON NORTH SIDE OF 4-IN. PVC CASING, 2.70 FT ABOVE LSD.
 LSD 300.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 11.18 BELOW LSD, JAN. 30, 1998,
 LOWEST WATER LEVEL 12.88 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1995-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	12.76	JAN. 30, 1998	11.18	APR. 27, 1998	11.98	JULY 31, 1998	11.88

310207093120302 LOCAL WELL NUMBER: V-6346Z

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 19 FT, SCREENED 9-19. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 0.25 FT BELOW LSD.
 LSD 273.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 7.51 BELOW LSD, APR. 27, 1998,
 LOWEST WATER LEVEL 8.98 BELOW LSD, NOV. 4, 1997.
 RECORDS AVAILABLE 1990, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	8.98	JAN. 30, 1998	7.74	APR. 27, 1998	7.51	JULY 31, 1998	8.84

310205093120501 LOCAL WELL NUMBER: V-6352Z

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 11.4 FT, SCREENED 4.1-11.1. MP RED NOTCH ON NORTH SIDE OF 2-IN. PVC CASING, 0.30 FT BELOW LSD.
 LSD 268.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 5.32 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 6.51 BELOW LSD, NOV. 4, 1997.
 RECORDS AVAILABLE 1990, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1997	6.51	JAN. 30, 1998	5.66	APR. 27, 1998	5.38	JULY 31, 1998	6.30

WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: GAYLORD CONTAINER CORP. (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 OF 12-IN. CASING, AT LSD.
 LSD 95 FT ABOVE SEA LEVEL.
 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. 28, 1997	8.06	MAR. 13, 1998	5.67	APR. 21, 1998	6.62	JULY 9, 1998	9.05

GROUND-WATER LEVELS

WASHINGTON PARISH-Continued

304612089512401 LOCAL WELL NUMBER: WA-158

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE AMITE AQUIFER OF MIOCENE AGE, DIAM 16 TO 12 3/4 IN., DEPTH 1,410 FT, SCREENED 1,337-1,414. MP 3/4-IN. BOLT IN SANITARY SEAL, 1.63 FT ABOVE LSD.
 LSD 97 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 53.00 BELOW LSD, MAY 18, 1987,
 LOWEST WATER LEVEL 93.85 BELOW LSD, JULY 9, 1998.
 RECORDS AVAILABLE 1987, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1997	86.23	MAR. 13, 1998	75.26	APR. 21, 1998	73.15	JULY 9, 1998	93.85

WEBSTER PARISH

325518093221901 LOCAL WELL NUMBER: WB-399

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 22N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 298 FT, SCREENED 288-298. MP TOP OF CASING, 3.0 FT ABOVE LSD.
 LSD 205 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 43.37 BELOW LSD, MAR. 11, 1987,
 LOWEST WATER LEVEL 46.57 BELOW LSD, OCT. 3, 1995.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1997	45.77	JAN. 29, 1998	44.15	APR. 9, 1998	43.99	JULY 6, 1998	46.01

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: CITY OF PORT ALLEN. (SEC. 66, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 IN., DEPTH 1,335 FT, SCREENED 1,230-1,335. MP TOP EDGE OF 3/8-IN. HOLE IN 8-IN. COLLAR, 4.90 FT ABOVE LSD.
 LSD 27 FT ABOVE SEA LEVEL.
 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. 10, 1997	76.47	FEB. 6, 1998	79.89	MAY 12, 1998	81.29	JULY 21, 1998	82.42

302652091121401 LOCAL WELL NUMBER: WBR-100A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,888 FT, SCREENED 1,884-1,888. MP TOP OF 4-IN. CASING, 1.50 FT ABOVE LSD.
 LSD 29 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966,
 LOWEST WATER LEVEL 129.75 BELOW LSD, APR. 26, 1996.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1997	120.67	FEB. 6, 1998	116.68	MAY 12, 1998	108.56	JULY 21, 1998	121.33

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH-Continued

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP OF 2-IN. CASING, 2.06 FT ABOVE LSD.
 LSD 29 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966,
 LOWEST WATER LEVEL 174.05 BELOW LSD, JULY 21, 1998.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1997	160.18	FEB. 6, 1998	152.02	MAY 12, 1998	152.64	JULY 21, 1998	174.05
JAN. 8, 1998	152.10						

302806091172601 LOCAL WELL NUMBER: WBR-102A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,288 FT, SCREENED 1,284-1,288. MP TOP OF 4-IN. CASING, 1.71 FT ABOVE LSD.
 LSD 18 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 36.13 BELOW LSD, APR. 24, 1997,
 LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.
 RECORDS AVAILABLE 1966-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	44.81	FEB. 6, 1998	44.61	MAY 12, 1998	44.92	JULY 21, 1998	47.27

302806091172602 LOCAL WELL NUMBER: WBR-102B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,100 FT, SCREENED 2,096-2,100. MP TOP OF 2-IN. CASING, 2.07 FT ABOVE LSD.
 LSD 18 FT ABOVE SEA LEVEL.
 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. 6, 1997	155.85	FEB. 6, 1998	151.56	MAY 12, 1998	147.28	JULY 21, 1998	160.86

302703091133703 LOCAL WELL NUMBER: WBR-106

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 2,017 FT, SCREENED 2,012-2,017. MP TOP EDGE OF 3/4-IN. AIR LINE, 2.08 FT ABOVE LSD.
 LSD 22 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966,
 LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.
 RECORDS AVAILABLE 1966-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1997	211.37	FEB. 6, 1998	196.93	MAY 12, 1998	201.01	JULY 21, 1998	234.09

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH-Continued

302550091124101 LOCAL WELL NUMBER: WBR-111

OWNER: CITY OF PLAQUEMINE. (SEC. 70, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 TO 8 IN., DEPTH 2,650 FT, SCREENED 2,610-2,650. MP CENTER LINE OF 8-IN. CASING, 1.40 FT ABOVE LSD.

LSD 25 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 43.50 ABOVE LSD, JAN. 15, 1970.

LOWEST WATER LEVEL 3.36 BELOW LSD, OCT. 15, 1971.

RECORDS AVAILABLE 1970-71, 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1997	+ 11.80	MAR. 24, 1998	+12.00	MAY 8, 1998	+13.00	JULY 31, 1998	+10.40

302547091123201 LOCAL WELL NUMBER: WBR-113

OWNER: CITY OF PLAQUEMINE. (SEC. 70, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 TO 8 IN., DEPTH 2,242 FT, SCREENED 2,148-2,168, 2,176-2,206, AND 2,214-2,242. MP EDGE OF 1-IN. VENT PIPE INSIDE PUMP HOUSING, 2.8 FT ABOVE LSD.

LSD 28 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 49.20 BELOW LSD, MAY 7, 1974.

LOWEST WATER LEVEL 83.94 BELOW LSD, FEB. 5, 1996.

RECORDS AVAILABLE 1974, 1994-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1997	83.12	MAR. 24, 1998	74.04	MAY 8, 1998	77.37		

302505091132001 LOCAL WELL NUMBER: WBR-132

OWNER: WBR WATER DISTRICT 2. (SEC. 74, T. 7S., R. 12E.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 18 TO 12 TO 8 TO 6 IN., DEPTH 2,082 FT, SCREENED 2,012-2,082. MP TOP OF SANITARY SEAL ON WEST SIDE, REMOVE 1/2-IN. PIPE AND CAP, 2.0 FT ABOVE LSD.

LSD 20 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 30.65 ABOVE LSD, FEB. 10, 1976.

LOWEST WATER LEVEL 69.38 BELOW LSD, JULY 30, 1998.

RECORDS AVAILABLE 1976, 1993-94, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1997	57.32	FEB. 6, 1998	54.43	MAY 8, 1998	54.67	JULY 30, 1998	69.38

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 119, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN., DEPTH 472 FT, SCREENED 462-472. MP LIP OF 3/4 IN. NIPPLE, 3.0 FT ABOVE LSD.

LSD 25 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 10.54 ABOVE LSD, APR. 27, 1979.

LOWEST WATER LEVEL 20.60 BELOW LSD, OCT. 24, 1988.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1997	16.54	FEB. 6, 1998	+58	MAY 12, 1998	+6.50	JULY 20, 1998	.47

See footnotes at end of table.

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH--Continued

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 1,304 FT, SCREENED 1,294-1,304. MP TOP OF 2 1/2-IN. CASING, AT LSD.
 LSD 14 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 29.54 BELOW LSD, NOV. 12, 1993,
 LOWEST WATER LEVEL 53.42 BELOW LSD, JAN. 18, 1979.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1997	39.39	FEB. 6, 1998	38.95	MAY 8, 1998	39.16	JULY 21, 1998	41.27
DEC. 12, 1997	37.94						

302958091124801 LOCAL WELL NUMBER: WBR-160

OWNER: WEST BATON ROUGE GAS AND WATER SYSTEM. (SEC. 50, T. 6S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 840 FT, SCREENED 830-840. MP 1/2-IN. HOLE IN TOP OF 4-IN. CAP, 2.40 FT ABOVE LSD.
 LSD 26 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 47.10 BELOW LSD, JULY 15, 1980,
 LOWEST WATER LEVEL 122.81 BELOW LSD, JULY 31, 1995.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1997	117.30	FEB. 6, 1998	105.38	MAY 12, 1998	110.15	JULY 21, 1998	107.23

302958091124802 LOCAL WELL NUMBER: WBR-161

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 650 FT, SCREENED 640-650. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD.
 LSD 26 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 19.86 BELOW LSD, JULY 5, 1990,
 LOWEST WATER LEVEL 63.75 BELOW LSD, SEP. 19, 1979.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1997	41.57	FEB. 6, 1998	35.69	MAY 12, 1998	31.33	JULY 21, 1998	35.79

302456091130202 LOCAL WELL NUMBER: WBR-173

OWNER: WBR WATER DISTRICT 2. (SEC. 74, T. 8S., R. 12E.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 18 TO 12 TO 8 IN., DEPTH 2,194 FT, SCREENED 2,124-2,194. MP LOWER LIP OF ACCESS PIPE ON EAST SIDE, 1.5 FT ABOVE LSD.
 LSD 25 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 56.72 BELOW LSD, MAY 10, 1994,
 LOWEST WATER LEVEL 66.84 BELOW LSD, JULY 30, 1998.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1997	61.84	FEB. 6, 1998	59.94	MAY 8, 1998	59.65	JULY 30, 1998	66.84

GROUND-WATER LEVELS

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 4 TO 2 IN., DEPTH 383 FT, SCREENED 377-383. MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.

LSD 106.35 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963,

LOWEST WATER LEVEL 32.46 BELOW LSD, JULY 1, 1998.

RECORDS AVAILABLE 1955-82, 1984-87, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	31.97	JAN. 5, 1998	31.48	APR. 8, 1998	31.01	JULY 1, 1998	32.46

324508091252302 LOCAL WELL NUMBER: WC-230

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/4 IN., DEPTH 87 FT, SCREENED 84-87. MP TOP OF CASING, 3.0 FT ABOVE LSD.

LSD 120 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 28.19 BELOW LSD, JULY 17, 1990,

LOWEST WATER LEVEL 31.70 BELOW LSD, JULY 1, 1998.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	31.40	JAN. 5, 1998	31.23	APR. 8, 1998	30.92	JULY 1, 1998	31.70

WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-22D

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 53, T. 1S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 IN., DEPTH 907 FT, SCREENED 847-907. MP HOLE IN TOP OF REDUCER ABOVE STEEL CASING, 0.65 FT ABOVE LSD.

LSD 60 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959,

LOWEST WATER LEVEL 14.60 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1956, 1958-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1997	13.04	MAR. 10, 1998	9.84	APR. 14, 1998	8.95	JULY 22, 1998	10.69

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 24, T. 1S., R. 5W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) MIOCENE AGE, DIAM 12 IN., REPORTED DEPTH 632 FT, SCREENED 549-632. MP BOTTOM EDGE OF 3/4-IN. NIPPLE, 3.5 FT ABOVE LSD.

LSD 50 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958,

LOWEST WATER LEVEL 17.25 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1956, 1958-59, 1963-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1997	13.34	MAR. 10, 1998	10.32	APR. 14, 1998	10.15	JULY 22, 1998	13.58

GROUND-WATER LEVELS

WEST FELICIANA-Continued

304844091204101 LOCAL WELL NUMBER: WF-158

OWNER: G.A. DANIEL. (SEC. 80, T. 3S., R. 2W.) DRILLED UNUSED WATER-TABLE WELL IN UPLAND TERRACE AQUIFER OF QUATERNARY AGE, DIAM 2 IN., DEPTH 156 FT, SCREENED 146-156. MP TOP OF 2-IN. CASING, 0.50 FT ABOVE LSD. LSD 198 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 94.73 BELOW LSD, AUG. 1, 1995,
 LOWEST WATER LEVEL 102.23 BELOW LSD, AUG. 5, 1991.
 RECORDS AVAILABLE 1958, 1976-78, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1997	95.00	MAR. 6, 1998	95.00	APR. 16, 1998	94.81	JULY 22, 1998	94.79

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 1,526 FT, SCREENED 1,446-1,526. MP PLUG ON FLANGE BEFORE DISCHARGE PIPE, 1.23 FT ABOVE LSD.
 LSD 140 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962,
 LOWEST WATER LEVEL 138.53 BELOW LSD, APR. 16, 1998.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1997	121.81	MAR. 10, 1998	121.47	APR. 16, 1998	138.53	JULY 22, 1998	121.69

304933091224201 LOCAL WELL NUMBER: WF-254

OWNER: WEST FELICIANA PARISH SCHOOL BOARD. (SEC. 68, T. 2S., R. 3W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 793 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF 3-IN. CASING, 0.80 FT ABOVE LSD.
 LSD 155 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 100.42 BELOW LSD, APR. 22, 1997,
 LOWEST WATER LEVEL 105.64 BELOW LSD, APR. 26, 1994.
 RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1997	103.99	MAR. 10, 1998	103.06	APR. 16, 1998	102.65	JULY 22, 1998	103.91

304958091191801 LOCAL WELL NUMBER: WF-274

OWNER: WEST FELICIANA PARISH WATERWORKS DISTRICT 13. (SEC. 44, T. 2S, R. 2W) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN., DEPTH 1,630 FT, SCREENED 1,590-1,630. MP EDGE OF BREATHER PIPE, 2.9 FT ABOVE LSD.
 LSD 220 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 198.38 BELOW LSD, SEP. 16, 1992,
 LOWEST WATER LEVEL 215.01 BELOW LSD, FEB. 19, 1997.
 RECORDS AVAILABLE 1982, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1997	211.92	MAR. 6, 1998	209.88	APR. 16, 1998	208.87	JULY 22, 1998	212.12

GROUND-WATER LEVELS

WEST FELICIANA PARISH-Continued

305547091202301 LOCAL WELL NUMBER: WF-286

OWNER: WEST FELICIANA PARISH WATERWORKS DISTRICT 13. (SEC. 83, T. 1S, R. 2W) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN SAND ("2,400-FT SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10-8 IN., DEPTH 982 FT, SCREENED 912-930 AND 940-982. MP EDGE OF BREATHER PIPE ON WEST SIDE, 1.9 FT ABOVE LSD.
 LSD 290 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 234.00 BELOW LSD, SEP. 26, 1987,
 LOWEST WATER LEVEL 253.86 BELOW LSD, AUG. 5, 1991.
 RECORDS AVAILABLE 1987, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1997	246.70	MAR. 6, 1998	247.27	JULY 22, 1998	244.58		

WINN PARISH

315527092370801 LOCAL WELL NUMBER: W-28

OWNER: CITY OF WINNFIELD. (SEC. 19, T. 11N., R. 2W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 14 TO 10 IN., DEPTH 480 FT, SCREENED 360-480. MP TOP OF 1-IN. COUPLING, 1.1 FT ABOVE LSD.
 LSD 105 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 39.10 BELOW LSD, APR. 6, 1992,
 LOWEST WATER LEVEL 74.26 BELOW LSD, JULY 7, 1998.
 RECORDS AVAILABLE 1963, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	61.46	FEB. 12, 1998	57.66	APR. 1, 1998	56.95	JULY 7, 1998	74.26

315450092310102 LOCAL WELL NUMBER: W-144B

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 550 FT, SCREENED 540-550. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 140 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 28.50 BELOW LSD, MAR. 5, 1986,
 LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.
 RECORDS AVAILABLE 1971-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1998	44.19	SEP. 8, 1998	48.15				

GROUND-WATER LEVELS

WINN PARISH--Continued

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 655 FT, SCREENED 645-655. MP TOP OF CASING, 4.7 FT ABOVE LSD. LSD 140 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979,
 LOWEST WATER LEVEL 93.70 BELOW LSD, JULY 6, 1998.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	92.50	FEB. 12, 1998	92.49	APR. 2, 1998	92.68	JULY 6, 1998	93.70

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. LSD 195 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 101.79 BELOW LSD, MAY 12, 1989,
 LOWEST WATER LEVEL 116.20 BELOW LSD, SEP. 8, 1998.
 RECORDS AVAILABLE 1979-87, 1989, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1998	113.05	SEP. 8, 1998	116.20				

- * Measuring point.
 + Above land-surface datum.
 H Tape measurement (recorder).
 J Recorder measurement for a time other than noon.

QUALITY OF GROUND WATER
 CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1997 TO SEPTEMBER 1998
 [See end of table for explanation of hydrogeologic unit (aquifer) codes]

WELL NO.	LOCATION SEC.T.R.	STATION NUMBER	HYDRO- GEO- LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE, FIELD (μS/CM)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
ACADIA PARISH								
AC- 451	S 34 T10SR 1W	300740092265001	112CHCTU	293	10-08-97	--	805	38
					03-19-98	--	808	45
ASCENSION PARISH								
AN- 394	S 25 T 9S R 2E	301332090572101	112NORC	323	10-23-97	--	581	12
AN- 398	S 20 T 8S R 3E	301944090540901	112GZNO	360	10-23-97	17.58	319	6.2
AN- 429	S 14 T 9S R 2E	301532090591702	112GZNO	520	10-23-97	--	380	31
AN- 430	S 35 T 9S R 3E	301247090525001	112GZNO	440	10-23-97	--	438	51
AN- 547	S 15 T 9S R 3E	301557090541001	112GZNO	535	10-23-97	--	279	5.4
CALCASIEU PARISH								
CU- 615	S 4 T10SR 9W	301338093172801	11205LC	533	10-06-97	--	705	120
					03-18-98	--	715	120
CU- 694	S 19 T10SR 9W	301044093195101	11205LC	556	10-06-97	--	1600	370
					05-28-98	--	1940	480
CU- 767	S 20 T10SR 8W	301036093124401	11207LC	850	10-06-97	77.08	3550	980
					03-18-98	70.21	3530	970
CU- 771	S 5 T10SR 9W	301336093183002	11202LC	241	10-06-97	61.90	436	16
					03-19-98	59.95	435	16
CU- 787	S 36 T11SR10W	300353093210201	11205LC	734	10-06-97	55.09	551	52
CAMERON PARISH								
CN- 80L	S 24 T12SR 3W	295846092381105	112CHCTU	481	03-19-98	26.70	1330	260
CN- 86L	S 13 T12SR12W	300120093320802	11205LC	641	10-06-97	41.95	1920	470
					03-19-98	36.97	1980	470
CN- 88L	S 14 T12SR 8W	300055093093004	11205LC	804	10-07-97	50.15	2420	590
					03-18-98	46.77	2420	600
CN- 90	S 4 T13SR 7W	295611093044801	11202LC	396	10-07-97	30.54	1020	170
					03-18-98	25.93	1010	170
CN- 92	S 12 T12SR 7W	300104093015601	11202LC	443	10-07-97	38.08	1780	390
					03-18-98	31.38	1780	380
CONCORDIA PARISH								
CO- 205	S 4 T 5NR 8E	312614091400001	112MRVA	130	03-23-98	7.33	880	38
					09-08-98	15.68	877	35
CO- 215	S 3 T 5NR 8E	312630091390001	112MRVA	121	03-23-98	6.17	3340	860
					09-08-98	14.48	3340	810
EAST BATON ROUGE PARISH								
EB- 151	S 82 T 7S R 1E	302641091085801	12223BR	2658	01-29-98	--	351	3.1
EB- 413	S 81 T 7S R 1E	302642091083201	12115BR	1745	01-29-98	--	318	3.2
EB- 434	S 49 T 7S R 1W	302619091104003	11206BR	611	12-17-97	65.66	453	57
EB- 621	S 39 T 7S R 1E	302500091052501	12112BR	1487	01-29-98	--	362	7.5
EB- 630	S 48 T 7S R 1W	302651091112408	12220BR	2253	01-29-98	--	375	4.7
EB- 700	S 88 T 6S R 1E	303130091073101	12228BR	2557	02-04-98	--	586	8.3
EB- 733	S 81 T 7S R 1E	302647091083301	12223BR	2637	01-29-98	--	337	2.7

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1997 TO SEPTEMBER 1998

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	HYDRO- GEO- LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE, FIELD (μ S/CM)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
EAST BATON ROUGE PARISH--Continued								
EB- 750	S 75 T 6S R 1W	303141091114801	12228BR	2643	01-29-98	--	692	57
EB- 771	S 81 T 7S R 1E	302646091083801	12115BR	1739	01-29-98	--	314	3.8
EB- 778	S 94 T 7S R 1E	302509091082701	12220BR	2586	11-25-97	8.94	1030	150
EB- 780A	S 94 T 7S R 1E	302509091082702	12112BR	1622	12-08-97	32.13	3090	910
EB- 781	S 94 T 7S R 1E	302535091090401	12220BR	2286	12-29-97	190.04	10200	3200
EB- 782A	S 94 T 7S R 1E	302535091090402	12110BR	1189	12-09-97	27.85	1620	410
EB- 783A	S 54 T 7S R 1W	302502091113601	12115BR	2179	12-31-97	63.05	1570	270
EB- 783B	S 54 T 7S R 1W	302502091113602	12220BR	2675	12-31-97	--	3420	770
EB- 789B	S 93 T 7S R 1E	302511091070402	12115BR	1721	12-10-97	47.81	9450	3100
EB- 792B	S 95 T 7S R 1E	302605091080602	12220BR	2286	12-30-97	--	386	2.5
EB- 793	S 71 T 7S R 1W	302719091103201	11206BR	687	02-24-98	51.86	333	3.8
EB- 798	S 39 T 6S R 1W	303133091103101	12228BR	2647	01-29-98	--	1060	180
EB- 803B	S 5 T 8S R 2E	302306091022602	12220BR	2565	12-10-97	--	2270	580
EB- 804A	S 70 T 7S R 1E	302428091035001	12117BR	1950	01-16-98	103.46	389	2.5
EB- 804B	S 70 T 7S R 1E	302428091035002	12224BR	2762	01-16-98	98.92	567	54
EB- 805	S 70 T 7S R 1E	302428091035003	12110BR	1072	01-16-98	73.50	23500	8600
EB- 807B	S 96 T 7S R 1E	302611091091202	12220BR	2264	02-27-98	--	421	15
EB- 825	S 96 T 7S R 1E	302553091092002	11204BR	475	12-09-97	41.73	267	3.9
EB- 870	S 44 T 7S R 1W	302729091100601	11206BR	692	12-17-97	74.77	285	3.2
EB- 879	S 61 T 7S R 2E	302402091005201	11206BR	664	02-04-98	--	296	2.8
EB- 917	S 95 T 7S R 1E	302614091083001	12115BR	1736	01-07-98	--	363	24
EB- 918	S 91 T 7S R 1E	302547091074401	12115BR	1834	^a 02-26-98	128.54	855	180
					^b 02-26-98	--	1080	250
EB-1000	S 69 T 6S R 1W	303251091115001	12228BR	2926	02-24-98	64.45	771	85
EB-1007	S 71 T 7S R 1W	302711091111501	12108BR	845	01-29-98	--	349	3.0
EB-1017C	S 57 T 7S R 2E	302406091021203	11204BR	567	01-29-98	--	293	3.7
EB-1028	S 53 T 7S R 1W	302605091100901	12220BR	2238	01-02-98	201.55	1110	240
EB-1150	S 74 T 7S R 1W	302653091103703	12220BR	2242	01-29-98	--	384	5.1
EB-1253	S 48 T 7S R 1W	302652091112410	12223BR	2687	01-29-98	--	396	2.9
EB-1259	S 62 T 7S R 1E	302534091054502	11204BR	515	02-18-98	--	260	3.7
EB-1264	S 20 T 7S R 2E	302543091015001	11204BR	498	11-25-97	39.57	237	5.2
EB-1278	S 39 T 7S R 1E	302501091052601	11204BR	547	02-23-98	34.62	314	2.7
FRANKLIN PARISH								
FR- 720	S 30 T 14NR 8E	320941091411301	112MRVA	100	03-23-98	18.01	8970	2800
					09-08-98	18.20	9950	3000
FR- 721	S 25 T 14NR 7E	320958091425501	112MRVA	77	03-23-98	9.41	1720	290
					09-08-98	11.77	1730	290
IBERIA PARISH								
I- 93	S 5 T 12SR 7E	300035091443301	112CHCTU	585	10-09-97	18.39	799	54
					03-20-98	16.22	797	54
JEFFERSON PARISH								
JF- 161	S 1 T 13SR 23E	295549090104101	112GZNO	772	10-07-97	--	1410	260
					05-05-98	--	1420	260
JF- 163	S 39 T 13SR 10E	295545090123001	112GZNO	768	10-30-97	53.64	917	120
JF- 178	S 37 T 12SR 9E	300222090144601	112GZNO	700	10-30-97	--	4540	1300
JF- 184	S 38 T 12SR 10E	295926090143201	112GZNO	704	10-08-97	--	766	110
					10-30-97	--	761	110

^a Sample collected 1045.^b Sample collected 1600.

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1997 TO SEPTEMBER 1998

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	HYDRO- GEO- LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE, FIELD (μ S/CM)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
JEFFERSON DAVIS PARISH								
JD- 491	S 14 T11SR 3W	300508092405601	112CHCTU	377	10-08-97	--	663	99
					03-19-98	--	732	100
LAFAYETTE PARISH								
LF- 524	S 7 T11SR 5E	300605091593502	112CHCTU	174	10-08-97	--	291	7.6
					03-23-98	--	300	7.4
MADISON PARISH								
MA- 64	S 23 T17NR12E	322614091122001	112MRVA	117	03-23-98	6.70	9620	2800
					09-08-98	12.18	9790	2800
MA- 65	S 34 T17NR12E	322428091130201	112MRVA	119	03-23-98	3.80	6410	1700
					09-08-98	9.34	6440	1700
MOREHOUSE PARISH								
MO- 65	S 25 T21NR 5E	324647091543801	124SPRT	564	03-24-98	--	1230	190
					09-09-98	--	1240	190
MO- 84	S 25 T21NR 5E	324654091545301	124SPRT	608	03-24-98	--	1220	180
					09-09-98	--	1220	180
MO- 342	S 19 T21NR 7E	324753091471201	124SPRT	620	03-23-98	92.31	2040	420
					09-09-98	93.95	2040	430
MO- 710	S 17 T23NR10E	325826091280401	112MRVA	130	03-24-98	14.41	2700	470
					09-09-98	16.28	2700	460
MO- 842	S 18 T22NR 9E	325359091344802	112MRVA	90	03-23-98	34.20	1170	130
					09-10-98	36.70	1100	110
ORLEANS PARISH								
OR- 130	S 29 T12SR12E	295738090021001	112GZNO	736	10-07-97	--	2030	420
					04-30-98	--	2060	420
OR- 195	S 38 T12SR12E	300054090012601	112GZNO	658	10-09-97	--	1030	100
					05-04-98	--	1020	96
OR- 203	S 30 T11SR13E	300349089562401	112GZNO	453	10-23-97	--	1700	350
					05-01-98	67.12	1690	350
OR- 214	S108T12SR11E	300149090041701	112GZNO	630	10-30-97	--	754	58
OUACHITA PARISH								
OU- 402	S 16 T15NR 4E	321714092041401	124SPRT	750	03-24-98	55.03	3600	910
					09-08-98	56.52	3610	880
OU- 403	S 16 T15NR 4E	321714092041402	124SPRT	460	03-24-98	63.85	1760	280
					09-08-98	65.66	1760	270
OU- 405	S 30 T17NR 4E	322531092053901	124SPRT	775	03-24-98	129.88	2090	430
					09-08-98	132.97	2080	400
OU- 469	S 2 T16NR 4E	322425092020401	124SPRT	400	03-25-98	--	1030	130
					09-09-98	--	1030	120

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1997 TO SEPTEMBER 1998

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	HYDRO- GEO- LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE, FIELD (μ S/CM)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
RICHLAND PARISH								
RI- 112	S 24 T17NR 9E	322623091294901	112MRVA	67	03-23-98	33.90	1310	310
					09-09-98	34.34	1270	310
RI- 114	S 24 T17NR 9E	322636091295702	112MRVA	66	03-23-98	30.54	1400	280
					09-09-98	30.71	1450	300
RI- 124	S 25 T17NR 9E	322605091301101	112MRVA	84	03-23-98	26.56	1520	270
					09-09-98	28.11	1530	270
ST. CHARLES PARISH								
SC- 159	S 23 T12SR20E	295926090273101	112NORC	440	10-08-97	--	1690	260
					05-05-98	--	1620	260
ST. JAMES PARISH								
SJ- 226	S190T11SR 5E	300325090394201	112GRMC	248	10-08-97	--	889	140
					05-04-98	--	848	130
ST. JOHN THE BAPTIST PARISH								
SJB- 165	S 5 T10SR 8E	301247090245901	120CVGN	3000	10-21-97	-45.70	1020	86
					04-30-98	-45.00	1020	84
SJB- 176	S 33 T 9S R 8E	301336090244101	120CVGN	2950	10-21-97	-49.90	837	37
					04-30-98	-52.20	835	36
SJB- 180	S 7 T10SR 8E	301143090260101	120CVGN	3091	10-20-97	-55.30	808	45
					04-30-98	-54.90	802	43
ST. MARTIN PARISH								
SMN- 108	S 36 T 9S R 7E	301304091424001	112CHCTL	505	10-09-97	7.30	2040	360
					03-20-98	1.55	2060	370
SMN- 109	S 36 T 9S R 7E	301304091424002	112CHCTU	375	10-09-97	7.96	1200	120
					03-20-98	2.25	1200	120
ST. MARY PARISH								
SM- 57U	S 27 T14SR 8E	294749091402301	112CHCTU	638	10-09-97	8.20	1180	180
					03-17-98	7.97	1180	190
VERMILION PARISH								
VE- 637L	S 15 T13SR 3E	295345092100703	112CHCTU	243	10-07-97	11.84	2780	660
					03-18-98	9.99	2790	690
VE- 639	S 2 T16SR 1E	293845092264901	112CHCTU	608	10-07-97	9.32	1580	310
					03-18-98	8.80	1580	310

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1997 TO SEPTEMBER 1998

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	HYDRO- GEO- LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE, FIELD (µS/CM)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
WEST BATON ROUGE PARISH								
WBR- 35	S 68 T 7S R12E	302657091124201	12112BR	1290	02-06-98	--	305	2.7
WBR- 100B	S 68 T 7S R12E	302652091121402	12224BR	2448	01-08-98	152.10	358	2.4
WBR- 112	S 70 T 7S R12E	302550091124102	12115BR	2205	11-20-97	--	648	82
					03-24-98	--	640	82
					05-08-98	--	636	82
					07-31-98	--	650	87
					11-20-97	--	1100	210
WBR- 113	S 70 T 7S R12E	302547091123201	12115BR	2242	03-24-98	--	1140	210
					05-08-98	--	1130	210
					07-31-98	--	1160	220
					02-06-98	--	322	5.7
WBR- 132	S 74 T 7S R12E	302505091132001	12115BR	2082	02-06-98	--	322	5.7
WBR- 136	S 21 T 7S R12E	302712091145701	12112BR	1305	02-06-98	--	285	3.6
WBR- 148	S 23 T 7S R11E	302702091185101	12112BR	1304	12-12-97	37.94	335	2.8
WBR- 173	S 74 T 8S R12E	302456091130202	12115BR	2194	02-06-98	--	333	5.9
WBR- 181	S 68 T 7S R12E	302644091121201	12117BR	1900	02-06-98	--	300	4.9
WINN PARISH								
W- 144B	S 19 T11NR 1W	315450092310102	124SPRT	550	03-24-98	44.19	1640	170
					09-08-98	48.15	1640	170
W- 179	S 29 T12NR 1W	315948092300301	124SPRT	585	03-24-98	113.05	1510	260
					09-08-98	116.20	1520	260

HYDROGEOLOGIC UNIT (AQUIFER):

112CHCTL- Chicot aquifer, lower sand unit, Pleistocene age.
 112CHCTU- Chicot aquifer, upper sand unit, Pleistocene age.
 112GRMC-Gramercy aquifer, Pleistocene age.
 112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.
 112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
 112NORC-Norco aquifer, Pleistocene age.
 11202LC-"200-foot" sand of Lake Charles area, Pleistocene age.
 11204BR-"400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
 11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.
 11206BR-"600-foot" sand of Baton Rouge area, Pleistocene age.
 11207LC-"700-foot" sand of Lake Charles area, Pleistocene age.
 120CVGN-Covington aquifer, Pliocene age.
 12108BR-"800-foot" sand of Baton Rouge area, Pliocene age.
 12110BR-"1,000-foot" sand of Baton Rouge area, Pliocene age.
 12112BR-"1,200-foot" sand of Baton Rouge area, Pliocene age.
 12115BR-"1,500-foot" sand of Baton Rouge area, Pliocene age.
 12117BR-"1,700-foot" sand of Baton Rouge area, Pliocene age.
 12220BR-"2,000-foot" sand of Baton Rouge area, Miocene age.
 12223BR-"2,000 and 2,400 foot" sands of Baton Rouge area, Miocene age.
 12224BR-"2,400-foot" sand of Baton Rouge area, Miocene age.
 12228BR-"2,800-foot" sand of Baton Rouge area, Miocene age.
 124SPRT-Sparta sand, Eocene age.

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CALENDAR FOR WATER YEAR 1998

1997

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