

Water Resources Data Louisiana Water Year 1999

Water-Data Report LA-99-1

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Prepared in cooperation with the Louisiana
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CONVERSION FACTORS AND VERTICAL DATUM

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

Water Resources Data Louisiana Water Year 1999

By B.B. Goree, W.M. Lovelace, P.A. Montgomery, J.C. Resweber, and D.J. Walters

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

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

U.S. GEOLOGICAL SURVEY
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District Chief, Water Resources Division

U.S. Geological Survey

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Baton Rouge, LA 70816

2000

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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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	1076-90
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
Dugdemonia 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, 1999

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 63 streamflow-gaging stations, stage only for 60 gaging stations, for 160 partial-record or miscellaneous streamflow stations, and for 38 crest-stage, partial-record streamflow stations; (2) stage records for 7 lakes; (3) water-quality records for 32 streamflow-gaging stations, for 47 ungaged stream sites, and for 107 wells; and (4) water-level records for 254 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-99-1." 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, 1999

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, Harold Marchand, Parish President; Department of Public Works,
Bill Roux, Director.

Caddo-Bossier Office of Emergency Preparedness, Chuck Mazzoiti, 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, Keith Hightower, Mayor; Department of Water and Sewerage,
Mike Strong, 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, Richard Wild, President; Susan M. Ludwig, Acting
Executive Director.

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

Parish of St. Tammany, Kevin Davis, Parish President; Department of Public Works, John Scurich,
Director.

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, 1999

SUMMARY OF HYDROLOGIC CONDITIONS

Surface-Water Conditions

For the water year, the annual statewide average rainfall total was 53.42 in., which was below the statewide 30-year average by 3.82 in., with most regions of Louisiana recording lower-than-average rainfall totals compared to the mean annual rainfall totals. Below normal rainfall conditions occurred statewide for the month of February and from July to September. The central and southern regions averaged nearly nine months below normal rainfall for the year. Extreme rainfall amounts occurred in the northern region of the State for the month of January. Two of the four index stations (representative gaging stations at Pearl River near Bogalusa and Amite River near Denham Springs, fig. 1) in the State had annual mean discharges below their long-term annual mean discharges, but Saline Bayou near Lucky and Calcasieu River near Oberlin (fig. 1) had annual mean discharges above their long-term annual mean discharges.

In October, the statewide average rainfall total was 2.71 in., which was 0.99 in. below the 30-year average. Below normal conditions occurred throughout most of the State as shown by all four index stations which had monthly mean discharges below their long-term monthly mean discharges (fig. 1). In November, the statewide average rainfall total was 5.05 in., which was only 0.47 in. above the 30-year average. Two index stations (Amite River near Denham Springs and Pearl River near Bogalusa) had below normal monthly discharges (fig. 1), and one index station (Calcasieu River near Oberlin) had a monthly mean discharge of 1,766 ft³/s, which was more than twice its long-term monthly mean discharge of 704 ft³/s.

The statewide average rainfall total was near-normal in December. The statewide average monthly total was 5.77 in., only 0.13 in. above the 30-year average of 5.64 in.; however, in the northeastern region of the State, the total was 10.96 in., 4.96 in. above the 30-year average. Saline Bayou near Lucky had a monthly mean discharge of 341 ft³/s, which was more than one and one-half times its long-term monthly mean discharge of 210 ft³/s.

Statewide average rainfall total was 8.90 in. during the month of January; this amount was 3.94 in. above the 30-year average. However, in the northern region of the State, the average rainfall total was 13.97 in., 9.20 in. above the 30-year average. The above average rainfall was reflected in Saline Bayou near Lucky which recorded a new maximum monthly discharge of 1,154 ft³/s, exceeding the previous maximum monthly discharge of 1,116 ft³/s set in 1945 (fig. 1).

In February, all regions had below-average rainfall totals; the statewide average rainfall total was 3.51 in. below the 30-year average of 4.89 in. For the month of March, the statewide average rainfall total was 5.37 in., 0.42 in. above the 30-year average.

A two-month period of below average rainfall occurred in April and May, and the statewide totals of 3.15 and 4.57 in., respectively, were below their 30-year averages by 1.17 and 0.68 in. In April, in the southeastern region of the State, the average rainfall total was 0.21 in., 3.96 in. below the 30-year average. Amite River near Denham Springs had a monthly mean discharge of 767 ft³/s, which was less than one-fourth the long-term monthly mean discharge of 3,503 ft³/s. In May, in the central region, the average rainfall total was 4.15 in., 1.30 in. below the 30-year average. Calcasieu River near Oberlin had a monthly mean discharge of 164 ft³/s, which was about one-tenth the long-term monthly mean discharge of 1,557 ft³/s.

In June, the statewide average rainfall total was 7.19 in., 2.55 in. above the 30-year average. However, all four index stations had monthly mean discharges more or less than one-half their long-term monthly mean discharges (fig. 1).

A three-month period of below average rainfall conditions began in July and continued through September. During this period, the statewide average rainfall total was 9.29 in., 4.98 in. below the 30-year average. For this period, all four index stations had monthly mean discharges below their long-term monthly averages. All four index stations had monthly mean discharges near or below 50 percent of their long-term monthly discharges (fig. 1).

WATER RESOURCES DATA - LOUISIANA, 1999

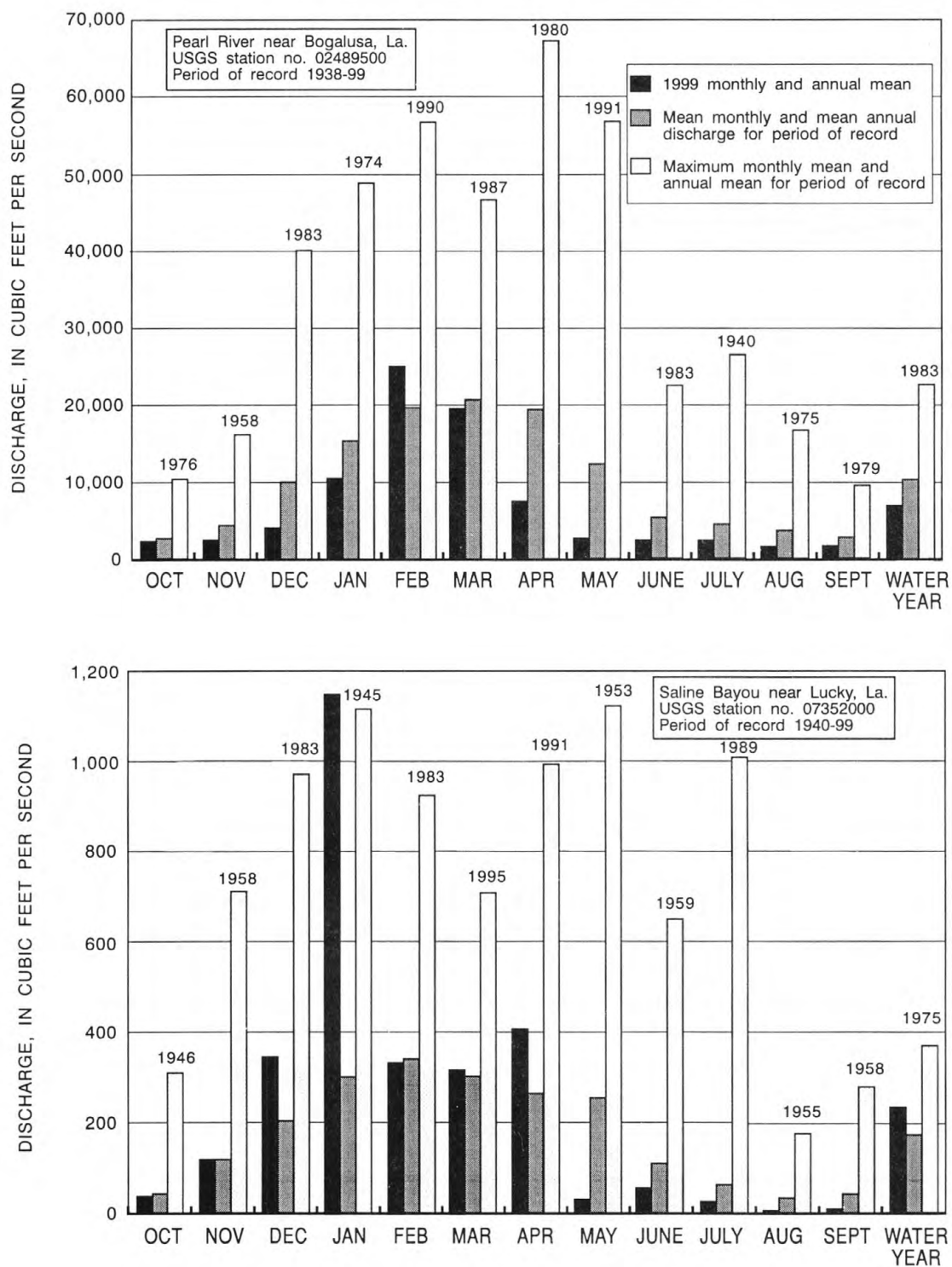


Figure 1. Comparison of discharge during the 1999 water year with mean and maximum discharge for the period of record at four representative gaging stations.

WATER RESOURCES DATA - LOUISIANA, 1999

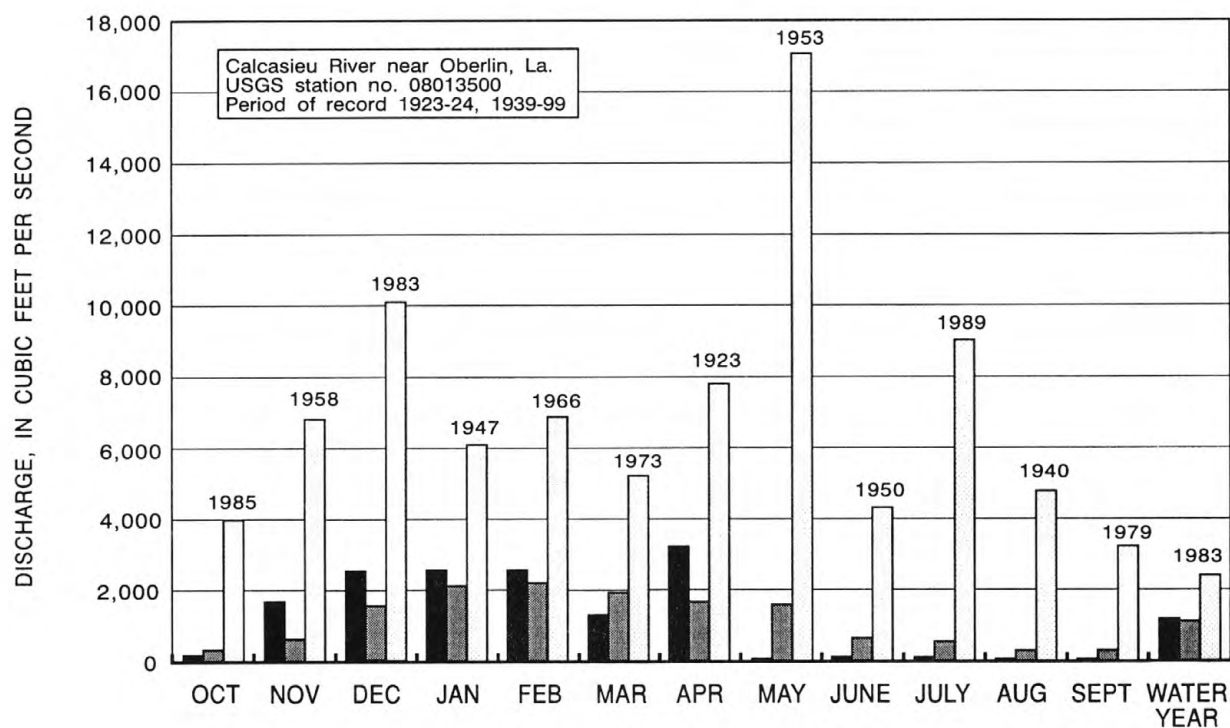
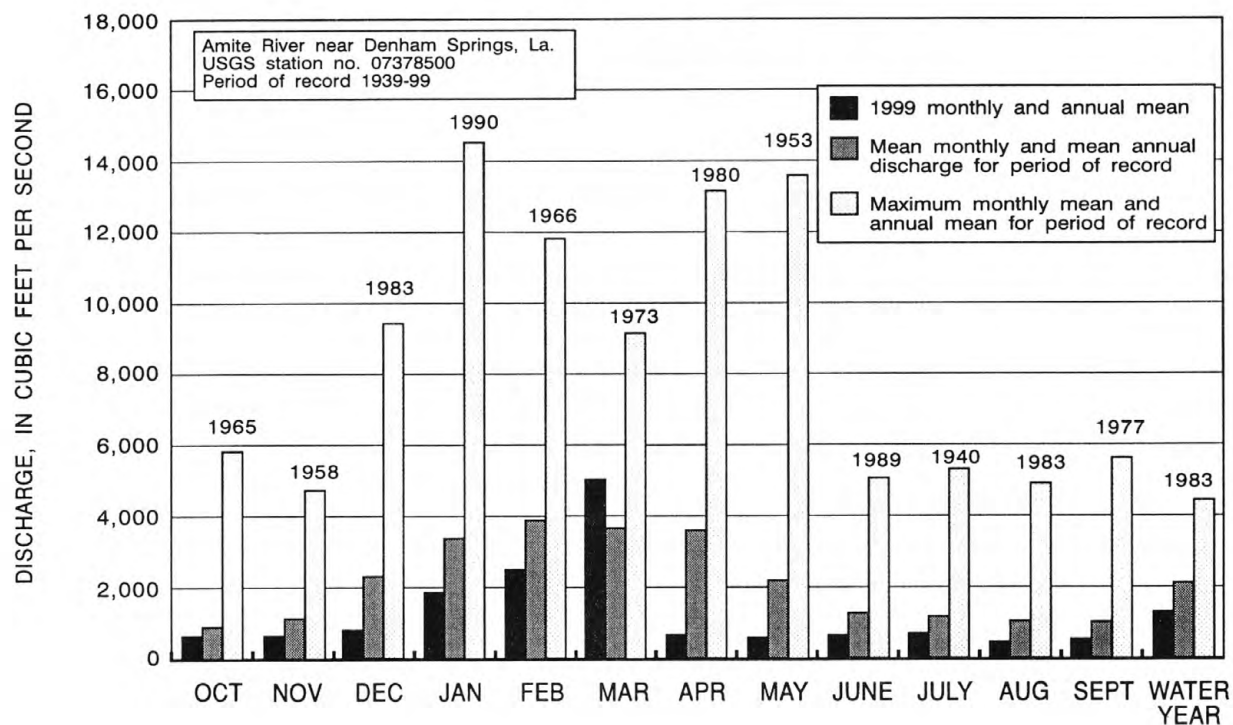


Figure 1. Comparison of discharge during the 1999 water year with mean and maximum discharge for the period of record at four representative gaging stations--Continued.

WATER RESOURCES DATA - LOUISIANA, 1999

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 311 to 551 $\mu\text{S}/\text{cm}$ (microsiemens per centimeter at 25 °C) during the 1999 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 2,450 $\mu\text{S}/\text{cm}$ on September 16, 1999. Water temperature values ranged from approximately 4.5 to 32.7 °C. Chloride concentrations ranged from a minimum of 18 mg/L (milligrams per liter) at St. Francisville on May 26, 1999, to a maximum of 570 mg/L at Venice on September 16, 1999.

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 162 to 1,460 $\mu\text{S}/\text{cm}$ during the 1999 water year. Water temperature values ranged from approximately 7.5 to 32.8 °C. Chloride concentrations ranged from approximately 10 to 230 mg/L along the Red River. Total iron and manganese concentrations were characteristically high. Total iron concentrations ranged from a minimum of 94 $\mu\text{g}/\text{L}$ (micrograms per liter) at Alexandria on August 4, 1999, to a maximum of 2,300 $\mu\text{g}/\text{L}$ at Grand Ecore on January 25, 1999. Total manganese concentrations ranged from a minimum of 41 $\mu\text{g}/\text{L}$ at Alexandria on August 4, 1999, to a maximum of 132 $\mu\text{g}/\text{L}$ at Shreveport on August 4, 1999.

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 176 $\mu\text{S}/\text{cm}$ at Melville on January 11, 1999, to 560 $\mu\text{S}/\text{cm}$ at Melville on September 13, 1999. The minimum water temperature was 7.5 °C at Melville on January 11, 1999, and the maximum water temperature was 32.5 °C at Melville on August 5, 1999. The minimum sediment load was 24,000 T/day (tons per day) at Morgan City on October 8, 1998 and September 1, 1999, and the maximum sediment load was 355,000 T/day at Morgan City on January 13, 1999.

Ground-Water Levels

During the water year, water levels were monitored in wells completed in aquifers throughout the State. The Sparta aquifer in northern Louisiana and the Chicot aquifer in southwestern Louisiana had the most widespread and greatest water-level declines in wells monitored. Water levels in the Sparta aquifer continued to decline about 1 to 2 ft/yr (feet per year) at most sites, although greater declines have occurred in some areas. Regional water-level declines in the Sparta aquifer are represented by a hydrograph of well L-26 in Livingston Parish (fig. 2a). Water-levels have declined 3 to 5 ft/yr have at wells in Ouachita (Ou-80), Union (Un-26), and Webster (Wb-26) Parishes. Other aquifers in northern Louisiana monitored for changes in water levels included the Mississippi River alluvial, upland terrace, Cockfield, 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. In central Louisiana, water levels in the Williamson Creek, Carnahan Bayou (well R-1056, fig. 2a), and Catahoula aquifers generally declined less than 1 ft/yr.

Water levels in most wells monitored in the Chicot aquifer of southwestern Louisiana fluctuated seasonally with declines of 1 ft/yr or less. However, in areas of Acadia, Evangeline, and Jefferson Davis Parishes, where the Chicot aquifer is heavily used for irrigation, water levels have declined at a rate of 1 to 2.5 ft/yr. Largest water-level declines in the Chicot aquifer have occurred in wells Ac-335U (fig. 2a) and JD-9. Seasonal fluctuations in the Chicot aquifer ranged from 2 to 40 ft; the fluctuations were due mostly to seasonal pumpage for irrigation in rice-growing areas (see hydrograph of well JD-485A, fig. 2b).

WATER RESOURCES DATA - LOUISIANA, 1999

Ground-Water Levels--continued

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 generally were 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. Water levels continued to decline at rates of 0.5 to 2.5 ft/yr for many of the wells monitored during the past 5 to 10 years (well EB-581, fig. 2b).

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

In the Florida Parishes, located 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. Water-level declines generally were 1 ft/yr or less during the past 10 years, as shown in the hydrographs of well Ta-343 in Tangiphoa Parish (fig. 2b).

Ground-Water Quality

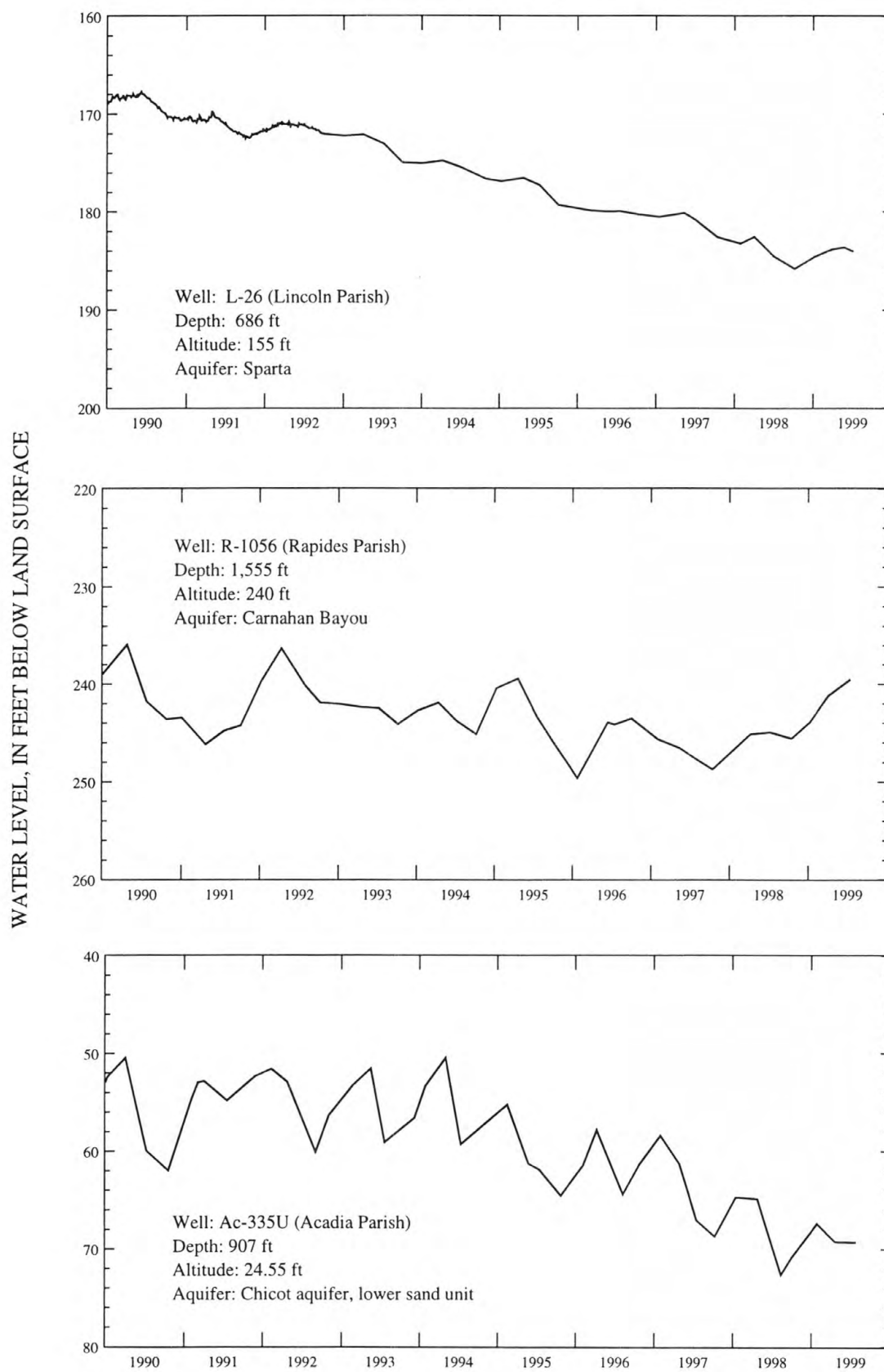
Chloride concentrations in water from most monitored wells completed in the Mississippi alluvial aquifer remained the same or indicated slight decreases. However, chloride concentrations have increased in some wells such as well Co-205 in Concordia Parish and wells Ri-114 and Ri-124 in Richland Parish. Chloride concentrations in water from monitored wells completed in the Sparta aquifer remained unchanged at most sites, but concentrations increased at wells W-144B and W-179 in Winn Parish. Chloride concentrations in these wells 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 freshwater-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 5 (mg/L)/yr since 1990 (fig. 2c). Chloride concentrations in water from monitored wells completed in the "200-foot" sand of the Lake Charles area generally increased; concentrations in water from well Cn-92 increased at an average rate of 10 mg/L during the past 10 years. Chloride concentrations in water from monitored wells completed in the "500-foot" and "700-foot" sands of the Lake Charles area generally declined slightly or remained the same during the water year, though several wells showed long-term increases. An exception was well Cu-694, completed in the "500-foot" sand in the Lake Charles industrial district, where chloride concentrations increased from 375 mg/L in 1997 to 550 mg/L in 1999.

In the Baton Rouge area, chloride concentrations in water from most monitored wells remained constant or continued previous trends. In the "1,500-foot" sand, concentrations in water from well EB-918 increased from 36 mg/L in 1996 to 250 mg/L in 1999. Chloride concentrations in water from well EB-1150, completed in the "2,000-foot" sand, increased from 5 mg/L in 1998 to 41 mg/L in 1999 (fig. 2c).

Chloride concentrations in water from most monitored wells completed in aquifers in southeastern Louisiana near New Orleans changed little or continued previous trends.

WATER RESOURCES DATA - LOUISIANA, 1999

**Figure 2a.** Water levels for wells L-26, R-1056, and Ac-335U.

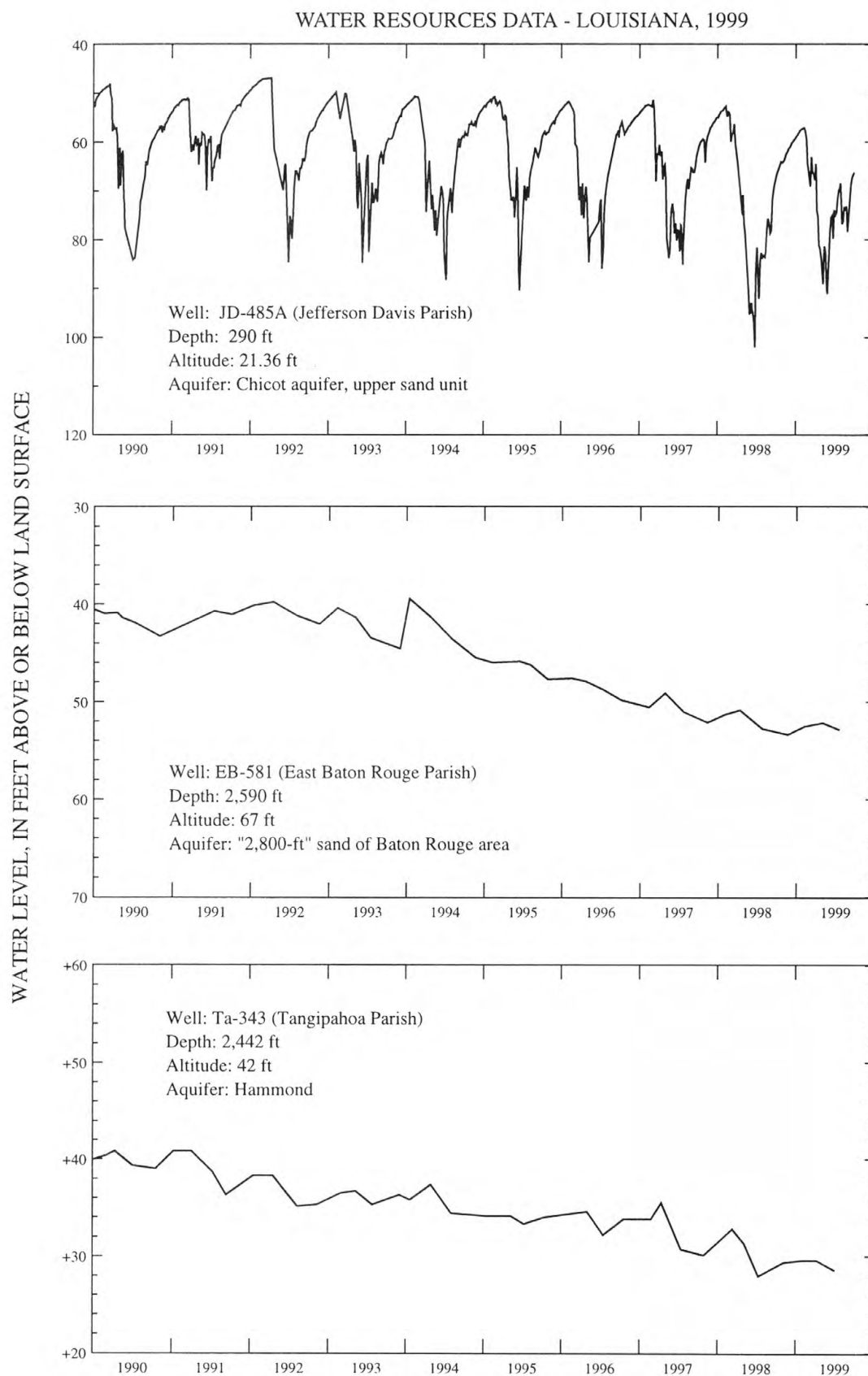
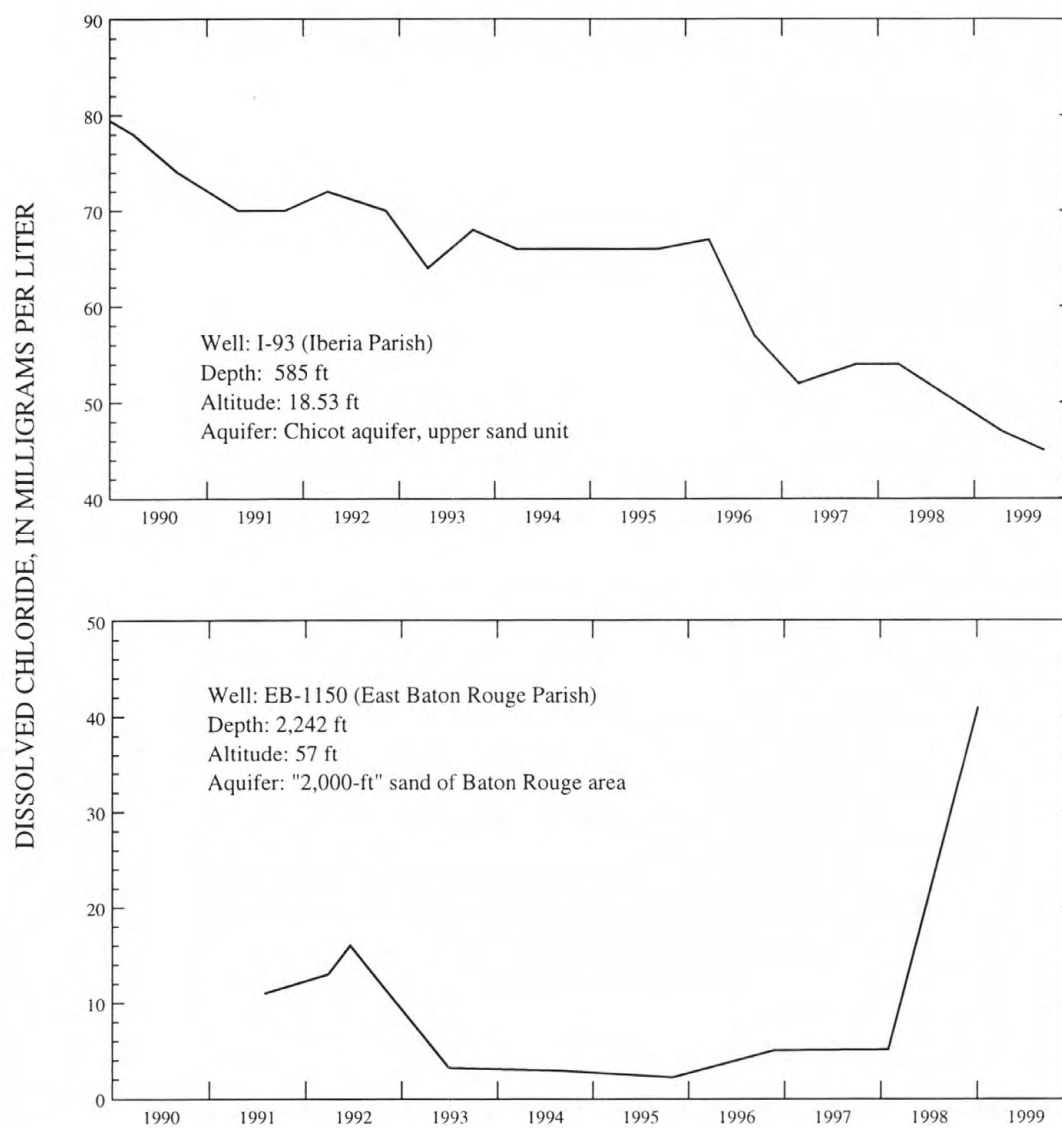


Figure 2b. Water levels for wells JD-485A, EB-581, and Ta-343.

WATER RESOURCES DATA - LOUISIANA, 1999

**Figure 2c.** Chloride concentrations for wells I-93 and EB-1150.

WATER RESOURCES DATA - LOUISIANA, 1999

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 1999 water year that began October 1, 1998, and ended September 30, 1999. 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, 1999

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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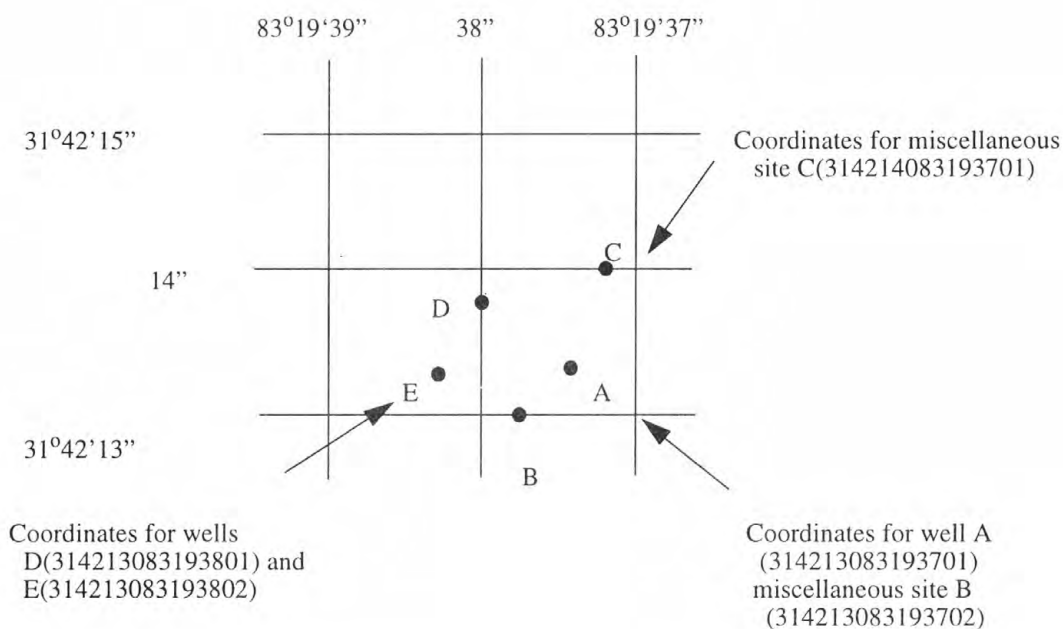


Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude).

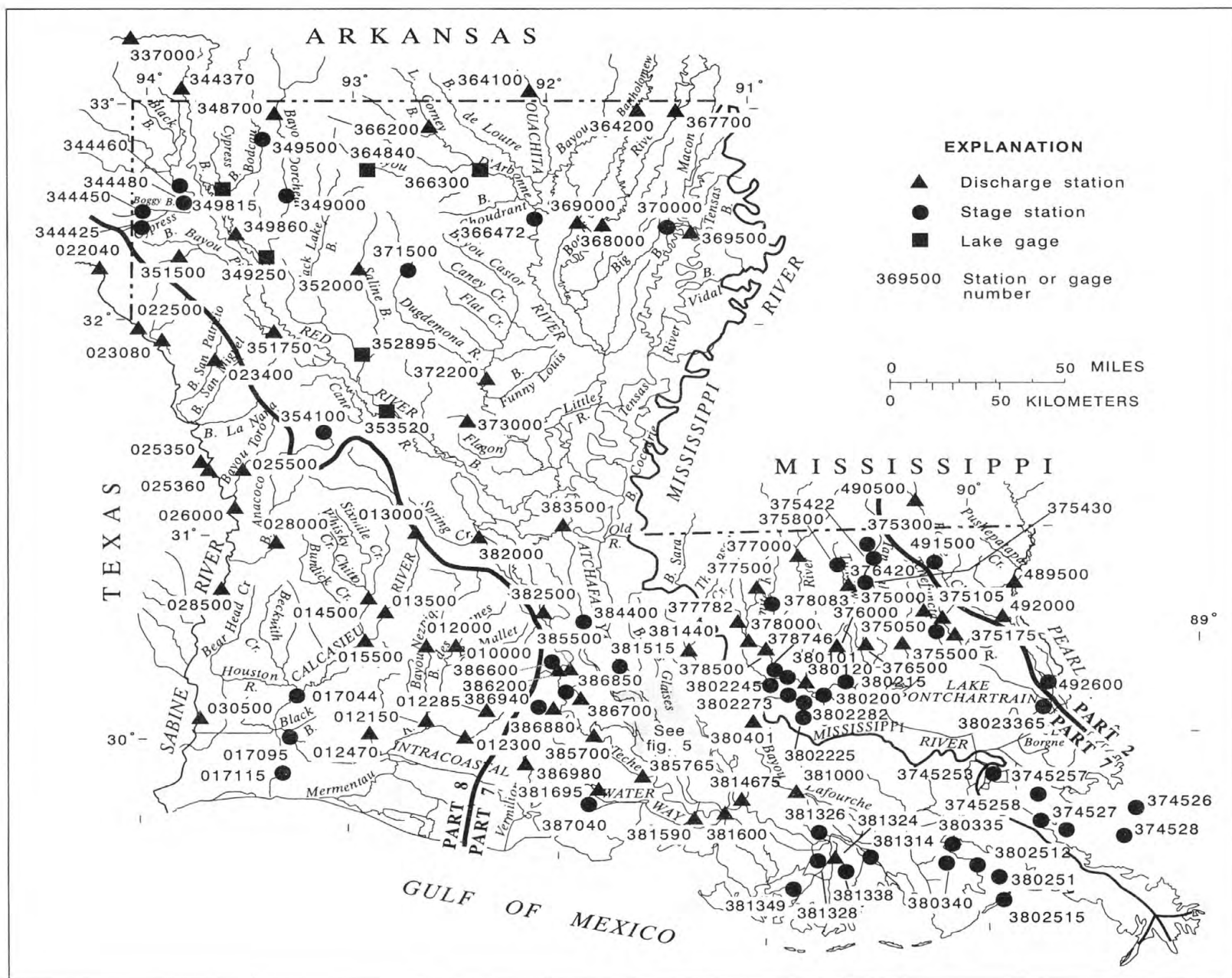
By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow 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 technique



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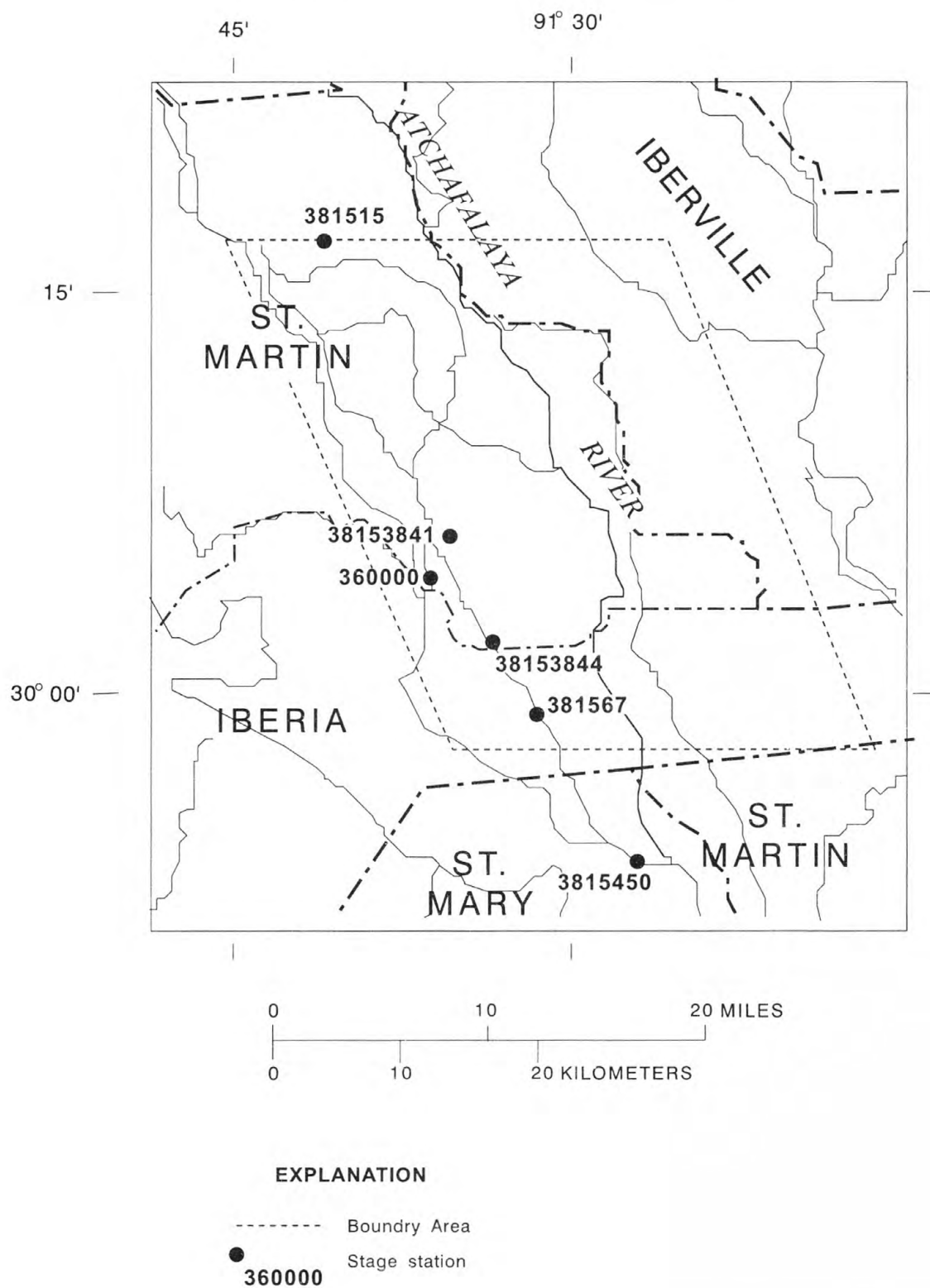


Figure 5. Location of stage stations in the Atchafalaya River Basin (shaded area of fig. 4).



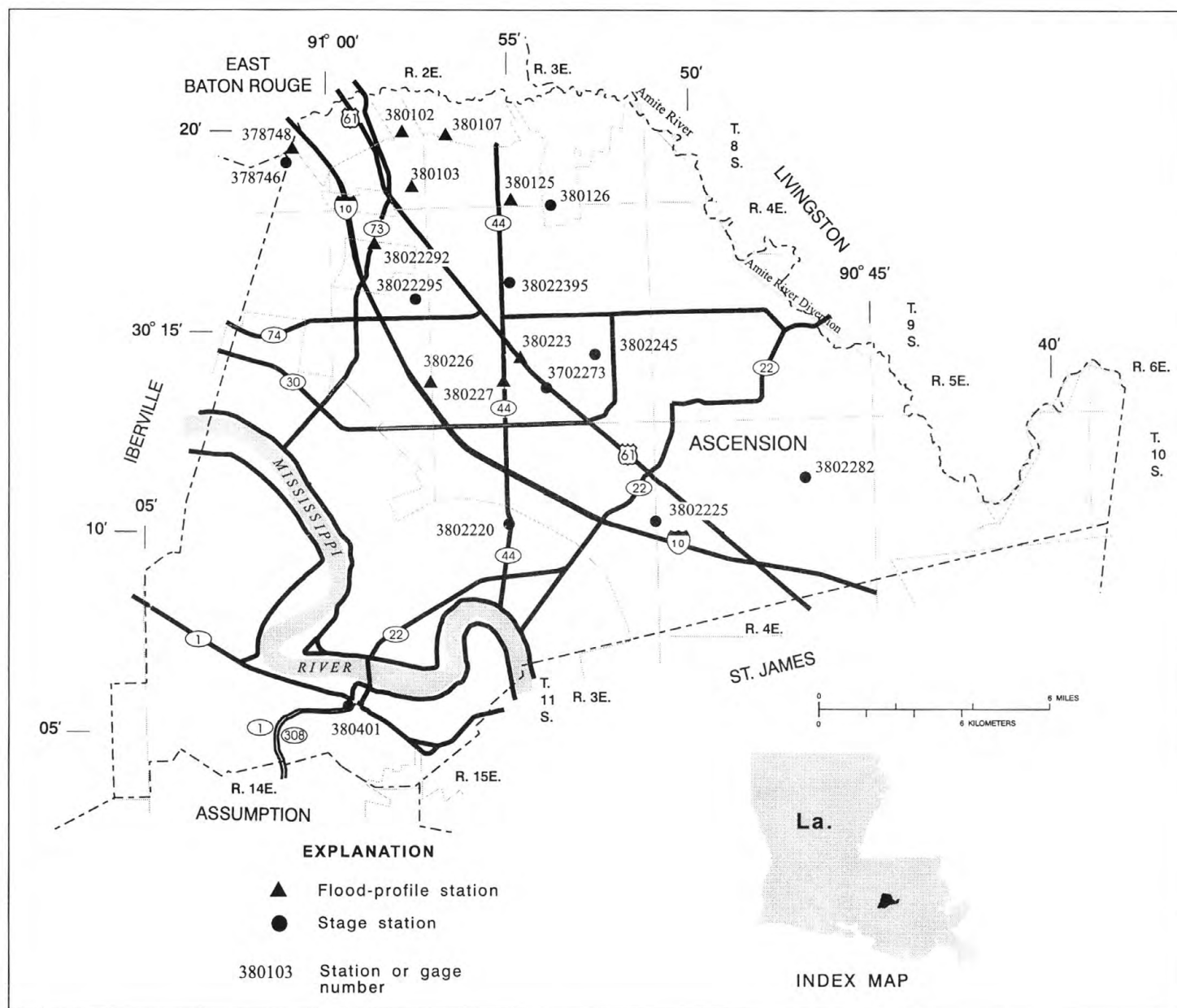
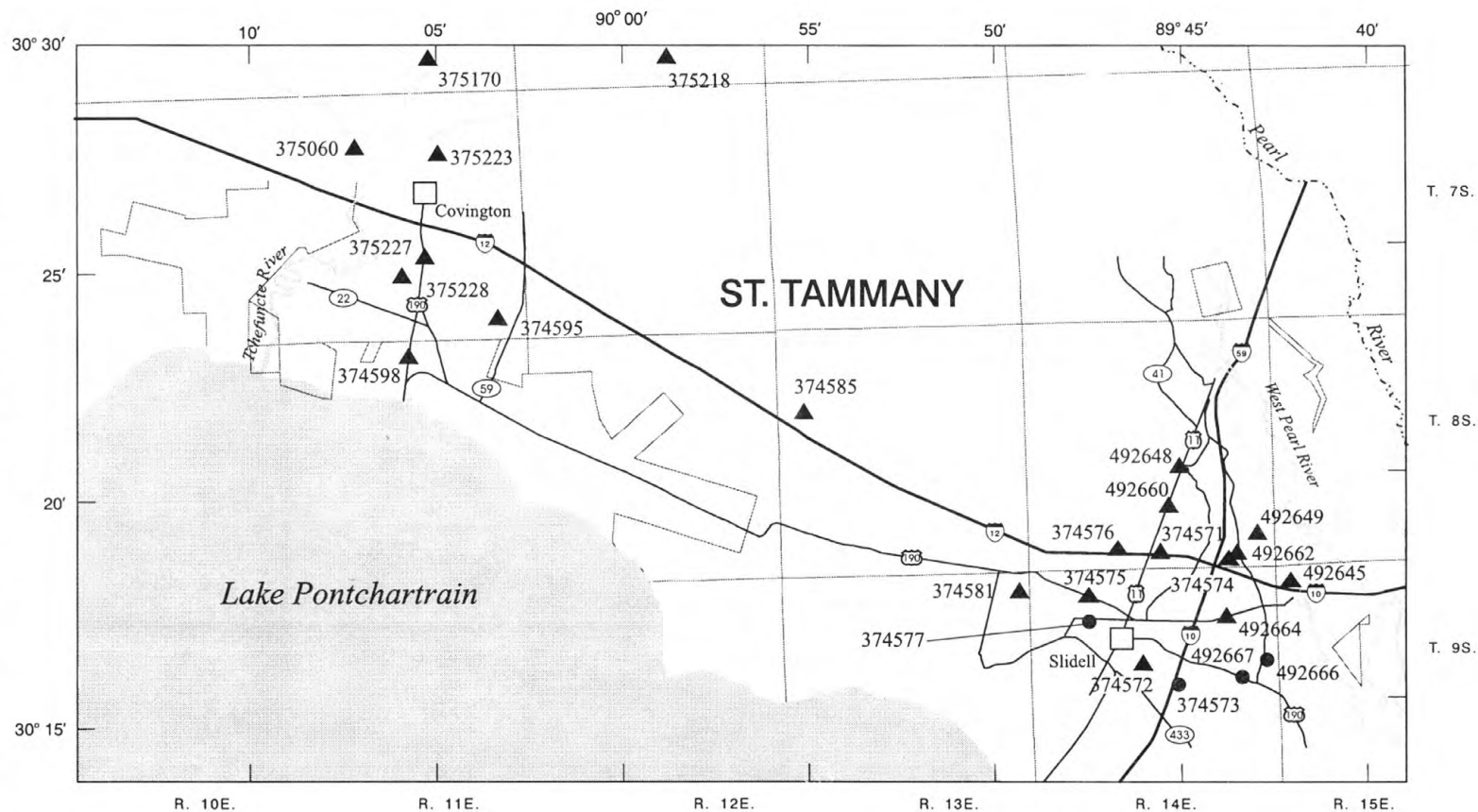


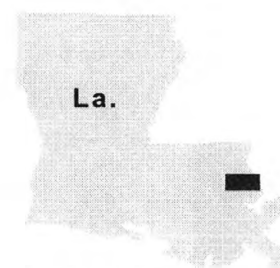
Figure 9. Location of continuous stage and flood-profile stations in Ascension Parish.

Figure 10. Location of flood-profile stations in St. Tammany Parish.



EXPLANATION

- ▲ 375228 Flood-profile station and number
- 492667 Stage station and number



INDEX MAP

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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.

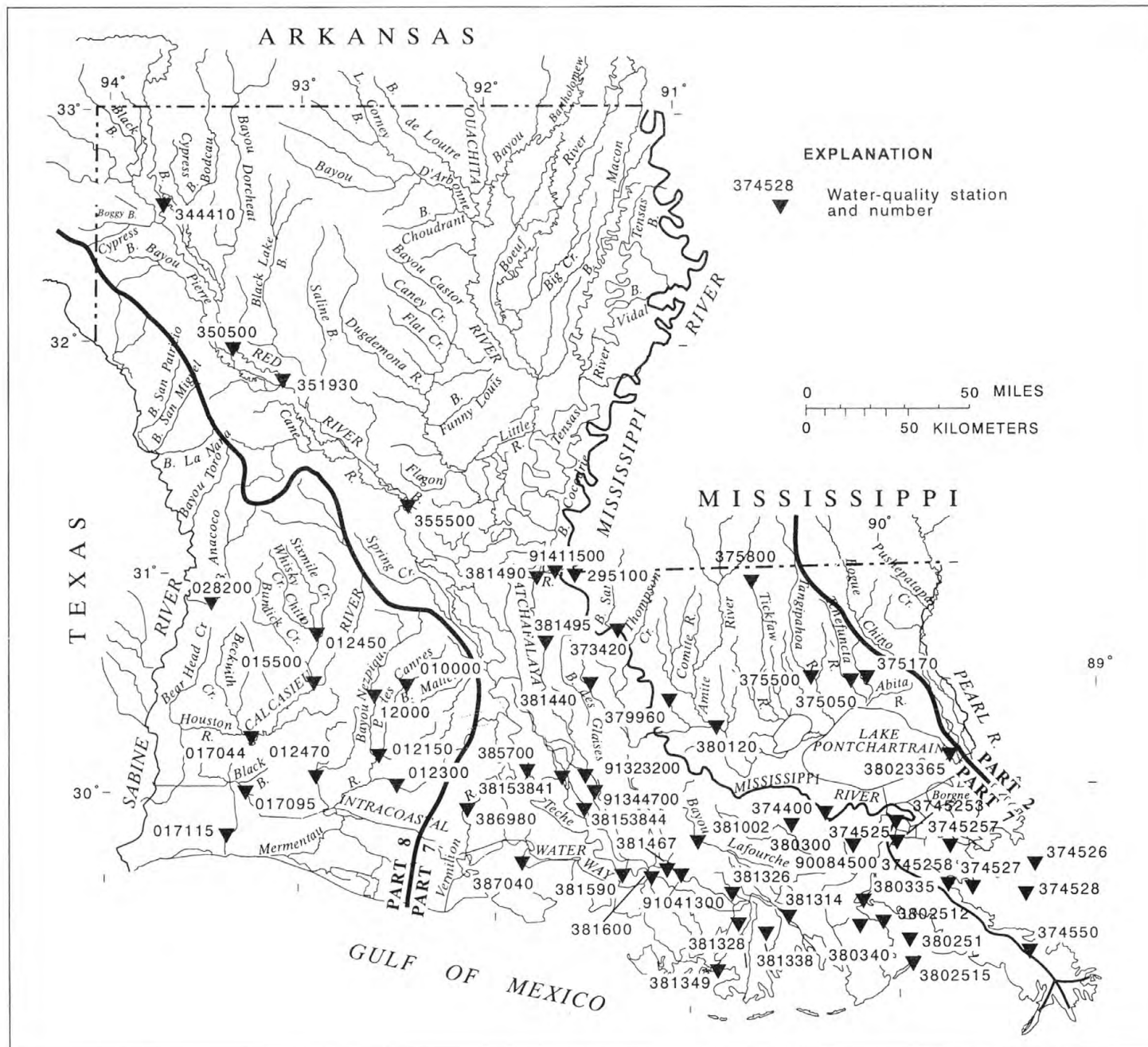
Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. 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.



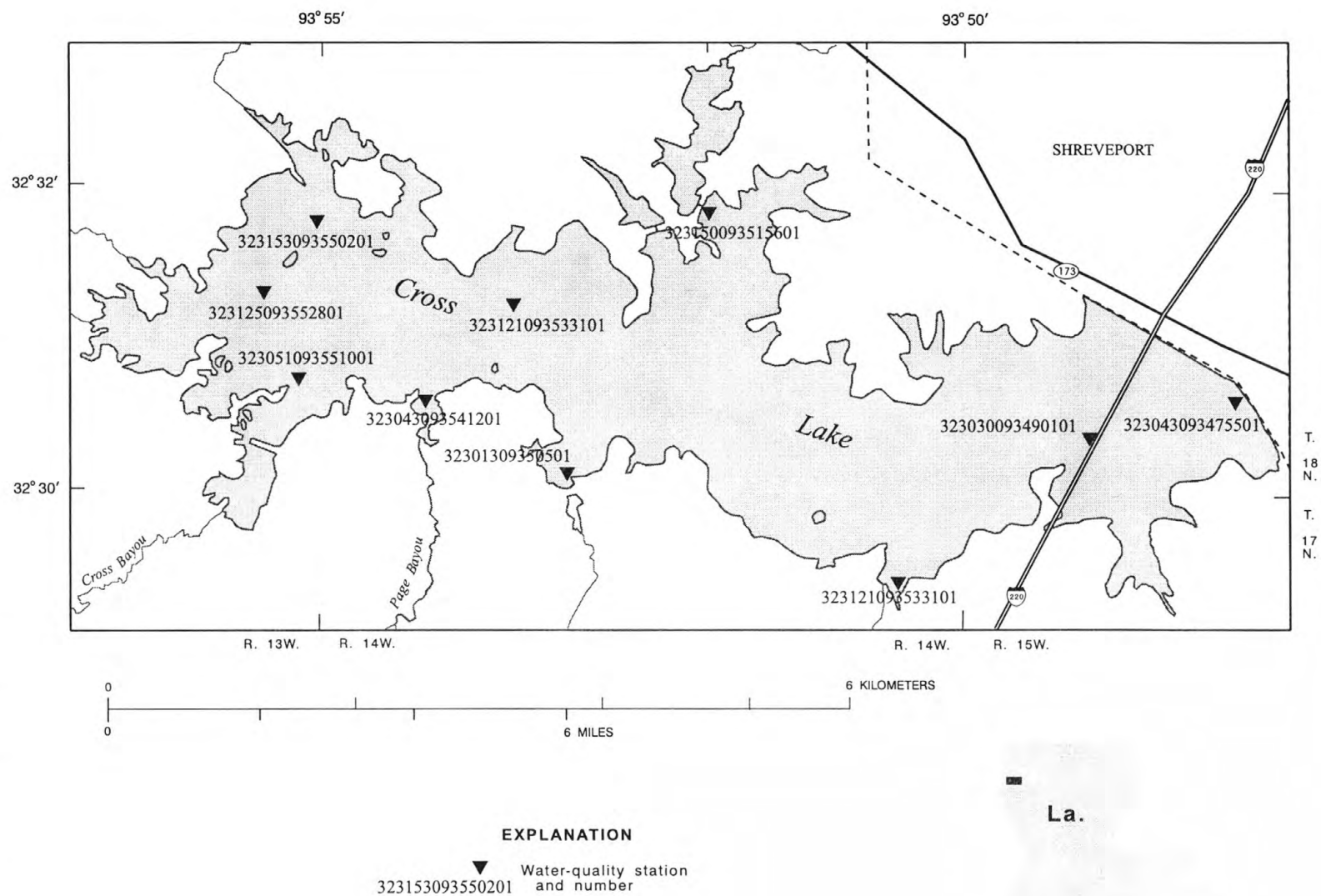


Figure 12. Location of water-quality stations at Cross Lake near Shreveport.

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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 (mg/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 mg/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

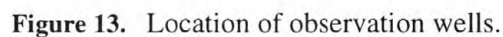
Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of either quarterly, semi-annual, or annual measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes 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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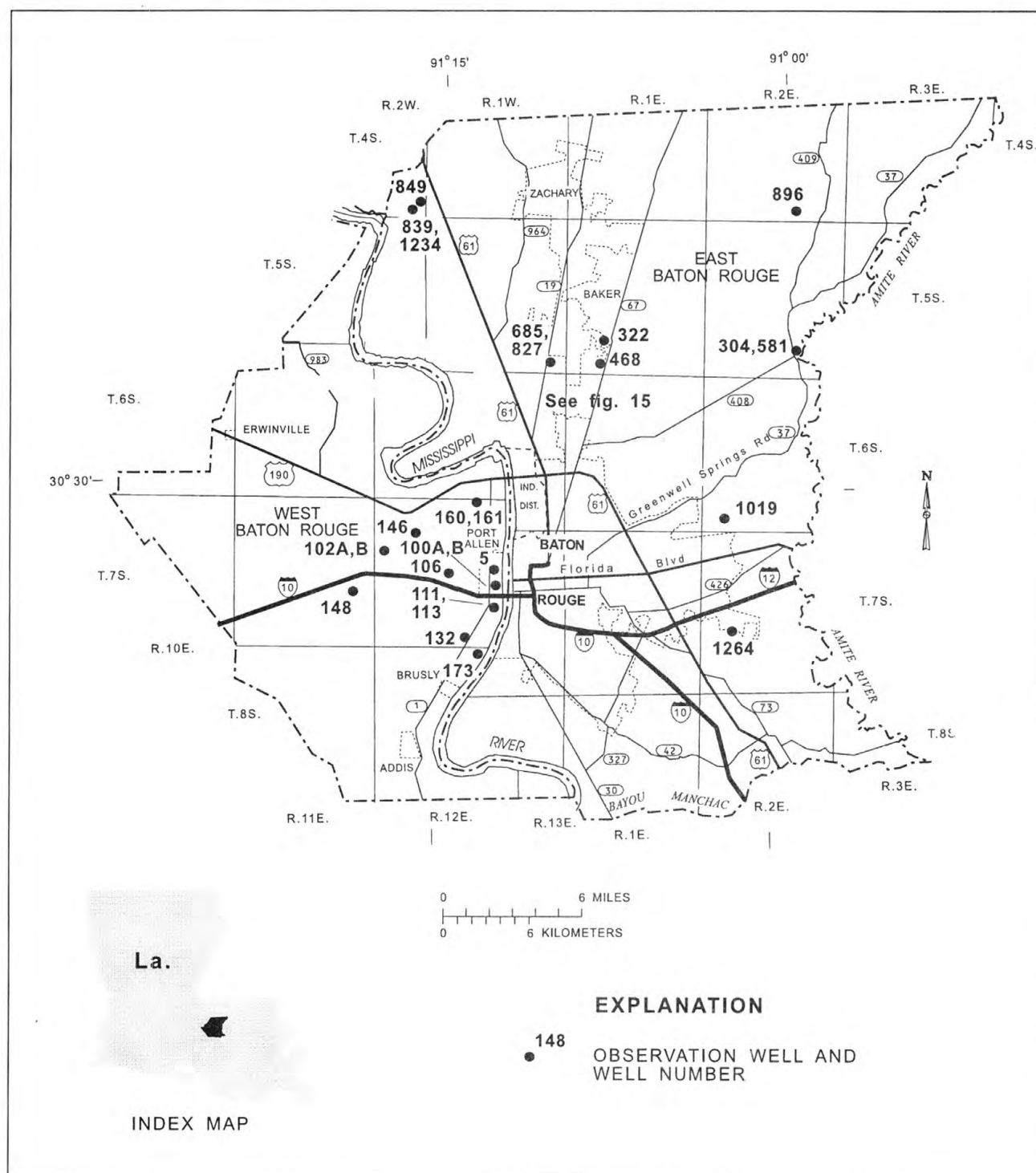


Figure 14. Location of observation wells in East and West Baton Rouge Parishes.

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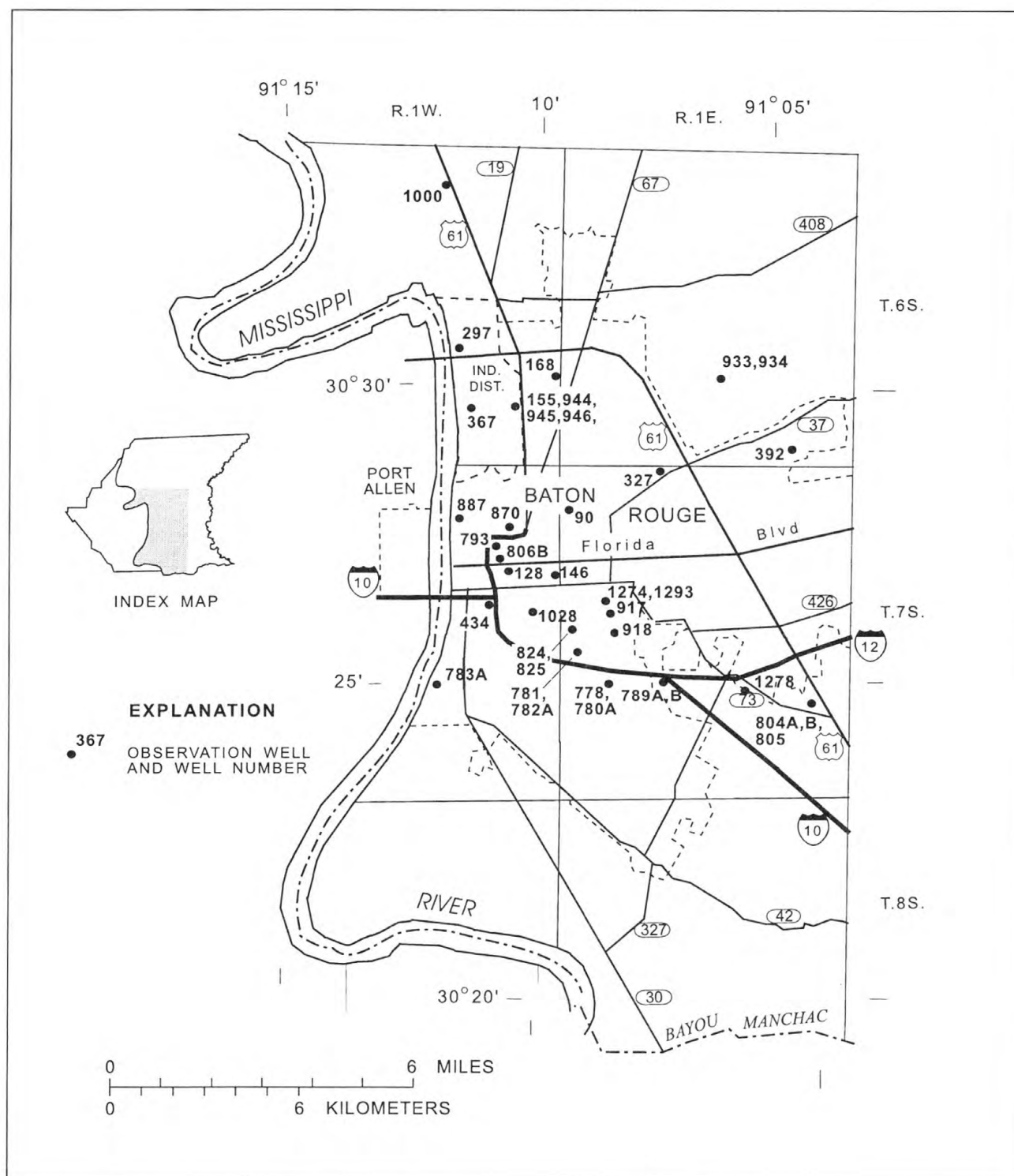


Figure 15. Location of observation wells in shaded area of figure 14.

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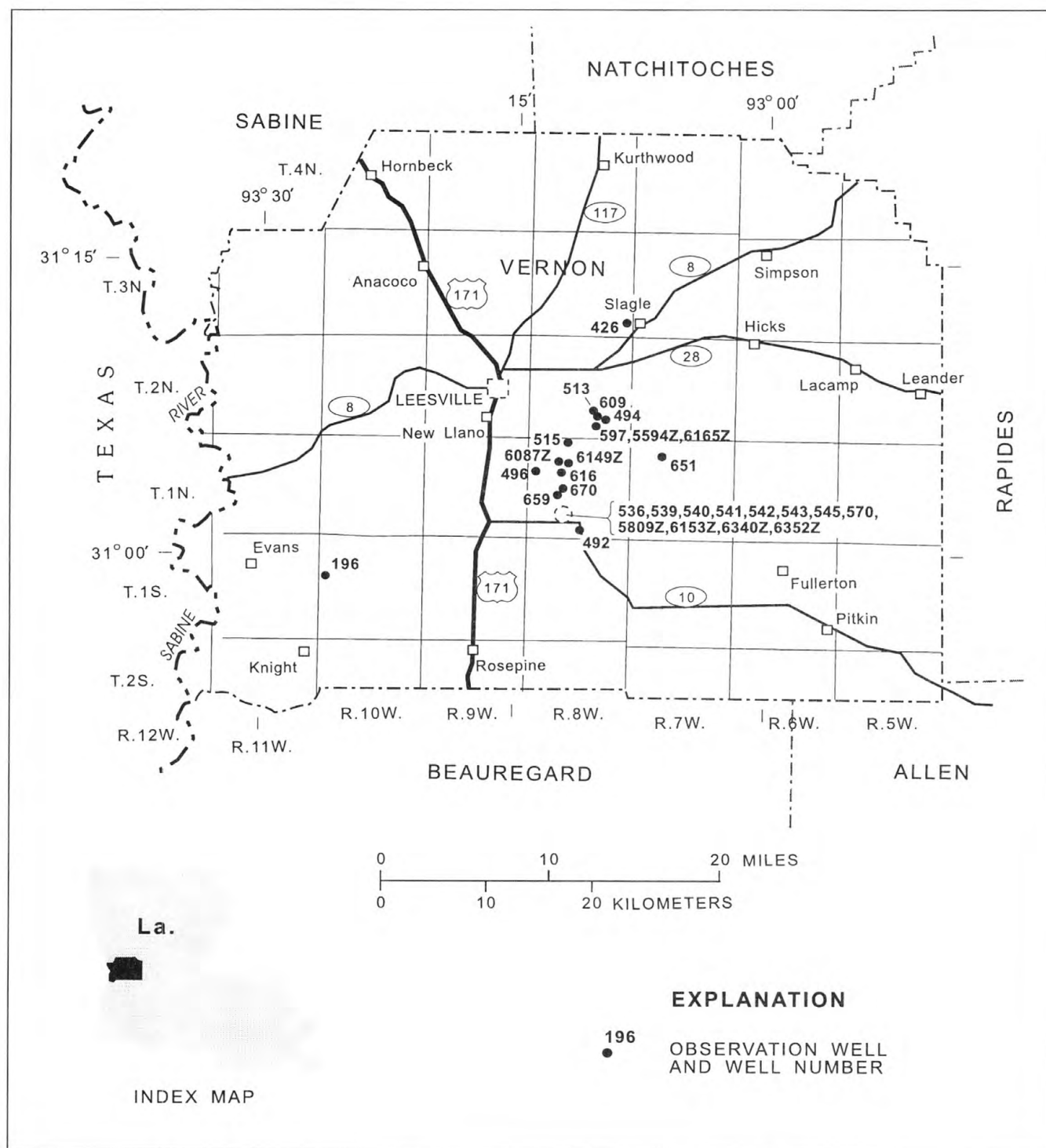


Figure 16. Location of observation wells in Vernon Parish (see fig. 13).

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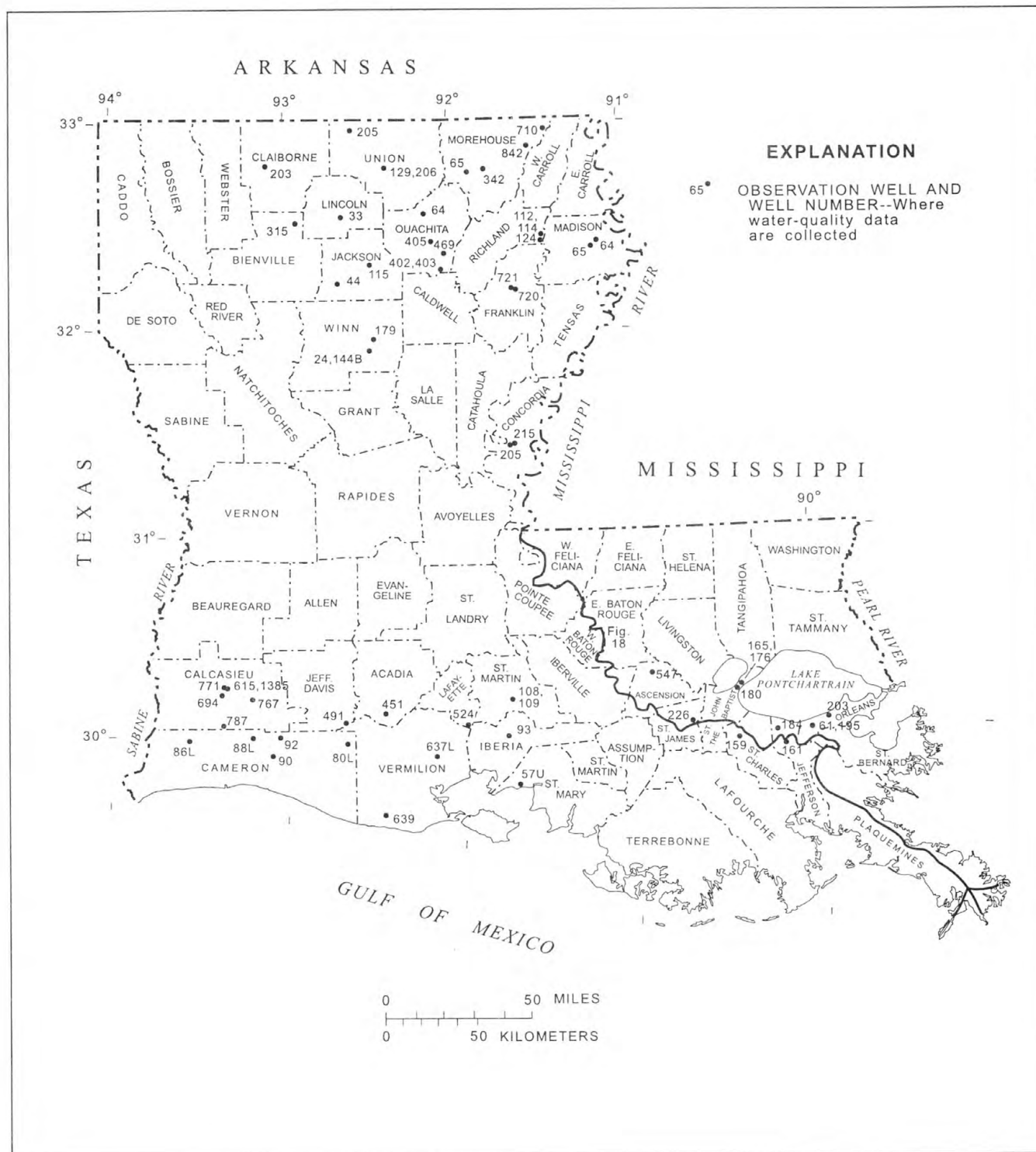


Figure 17. Location of wells for which water-quality data are included.

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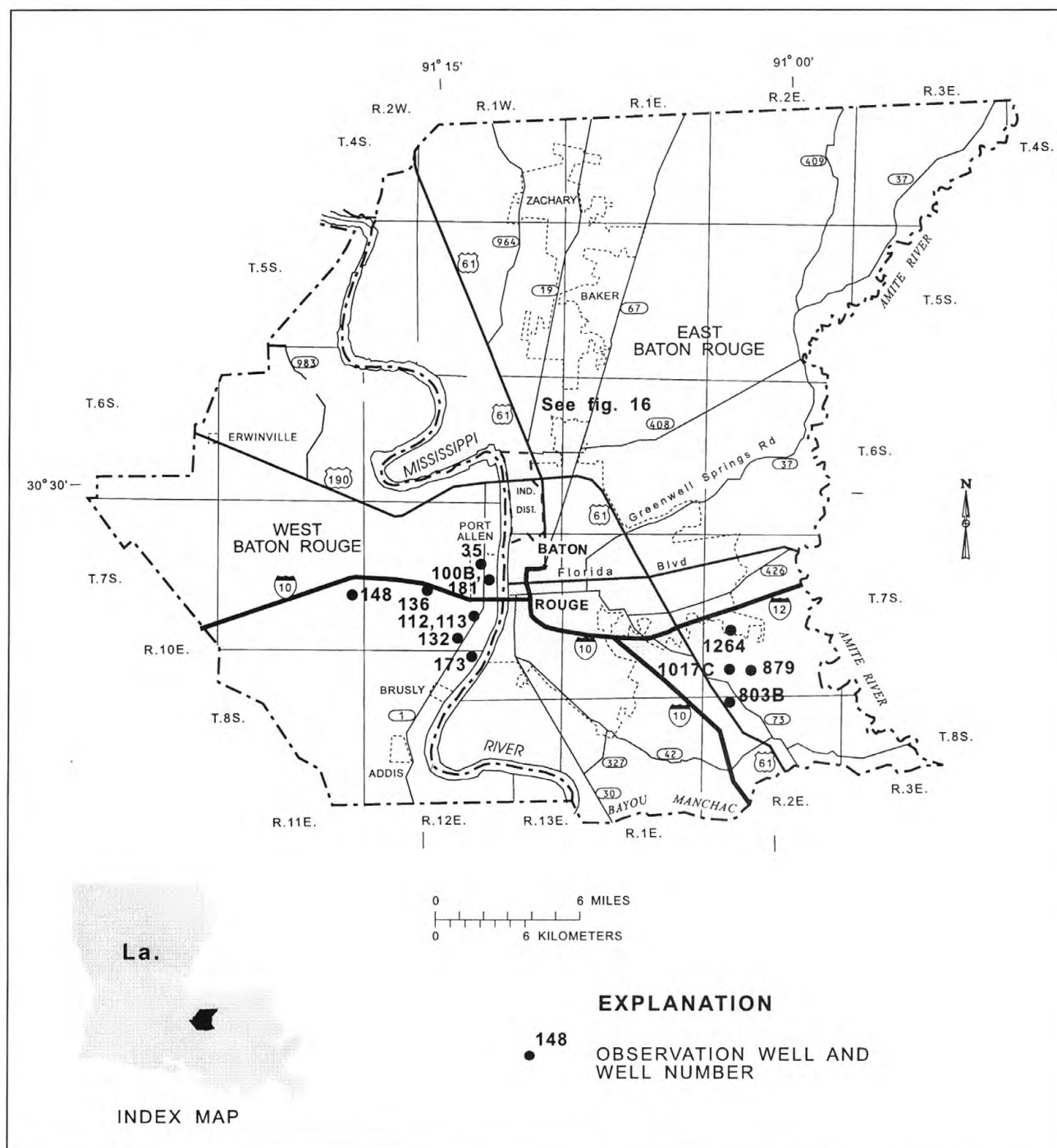


Figure 18. Location of wells for which water quality data are included in East and West Baton Rouge Parishes.

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 *STOR*age and *RE*trieval 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 table for converting English units to International System (SI) Units on the inside of the back cover.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

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, 325,851 gallons, or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants containing chlorophyll and lacking roots, stems, and leaves.

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

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.

Annual runoff is 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 equal to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Cubic foot per second per square mile [CFSM, (ft³/s)/mi²] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inch (IN., in.) as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it.

Aroclor is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type and the last two digits represent the weight percent of the hydrogen substituted chlorine.

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

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warm-blooded animals and those that inhabit soils. 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 with a golden-green metallic sheen within 24 hours when incubated at 35°C plus or minus 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5°C plus or minus 0.2°C on M-FC 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 intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35°C plus or minus 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41°C on mE agar and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis*, *Streptococcus feacium*, *Streptococcus avium*, and their variants.

Escherichia coli (E. coli) are bacteria present in the intestine and feces of warm-blooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 °C on mTEC medium. Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the sediment mixture 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 microorganisms, such as bacteria.

Bottom material: See "Bed material."

Cfs-day is the volume of water represented by the 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 BOD 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 green pigments in plants.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

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

Continuous-record station is a site that meets either of the following conditions:

1. Stage or streamflow are recorded at some interval on a continuous basis. The recording interval is usually 15 minutes, but may be less or more frequent.
2. Water-quality, sediment, or other hydrologic measurements are recorded at least daily.

Control designates a feature in the channel downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the station. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

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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 saltwater.

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second, 448.8 gallons per minute, or 0.02832 cubic meters per second.

Cubic foot per second-day (CFS-DAY, Cfs-day, $[(\text{ft}^3/\text{s})/\text{d}]$) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, 646,317 gallons, or 2,447 cubic meters.

Daily record is a summary of streamflow, sediment, or water-quality values computed from data collected with sufficient frequency to obtain reliable estimates of daily mean values.

Daily record station is a site for which daily records of streamflow, sediment, or water-quality values are computed.

Datum, as used in this report, is an elevation above mean sea level to which all gage height readings are referenced.

Discharge, or flow, is the volume of water (or more broadly, volume of fluid including solid- and dissolved-phase material), that passes a given point in 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 that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) content of water in equilibrium with air is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant offset. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

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Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During that analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to reflect the change. Alternatively, alkalinity concentration (as mg/L CaCO_3) can be converted to carbonate concentration by multiplying by 0.60.

Drainage area of a site on a stream is that area, measured in a horizontal plane, that has a common outlet at the site for its surface runoff. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that is occupied by a drainage system with a common outlet for its surface runoff (see "Drainage area").

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 °C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue.

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is the elevation of the zero point of the reference gage from which gage height is determined as compared to sea level (see "Datum"). This elevation is established by a system of levels from known benchmarks, by approximation from topographic maps, or by geographical positioning system.

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

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

Ground-water level is the elevation of the water table or another potentiometric surface at a particular location.

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 the equivalent concentration of calcium carbonate (CaCO_3).

Hydrologic benchmark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a benchmark station may be used to separate effects of natural from human-induced changes in other basins that have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped benchmark basin.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the U.S. Geological Survey. Each hydrologic unit is identified by an 8-digit number.

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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-(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-[[4-(p-chlorophenyl)thio]methyl] 0,0-diethyl phosphorodithioate.

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to water surface in a well is measured to obtain water level.

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Micrograms per gram (UG/G, mg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

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Micrograms per kilogram (UG/KG, mg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, mg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter.

Microsiemens per centimeter (US/CM, μ S/CM) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

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

Miscellaneous site, or miscellaneous station, is a site where streamflow, sediment, and/or water-quality data are collected once, or more often on a random or discontinuous basis.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

North American Vertical Datum of 1988 (NAVD 88) is a fixed reference for elevations determined by geodetic leveling. The datum was derived from a general adjustment of the first-order terrestrial leveling nets of the United States, Canada, and Mexico. In the adjustment, only the height of the primary tidal bench mark, referenced to the International Great Lakes Datum of 1985 (IGLD85) Local mean sea level height value, at Father Point, Rimouski, Quebec, Canada was held fixed, this providing minimum constraint. NAVD 88 and IGLD 85 are identical. However NAVD 88 bench mark values are given in Helmert orthometric height units while IGLD 85 values are in dynamic heights. See International Great Lakes Datum of 1985, National Geodetic Vertical Datum of 1929, and geopotential difference.

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

<http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88>

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of Formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

Open or screened interval is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediments. May be reported as dissolved organic carbon (DOC), suspended organic carbon (SOC), or total organic carbon (TOC).

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

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Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, Sedigraph) 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 the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	0.004 - 0.062	Sedimentation
Sand	0.062 - 2.0	Sedimentation/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 matter 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 or **percent of total** is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, or volume.

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

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7 are termed "acidic," and solutions with a pH greater than 7 are termed "basic." Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

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 2.22 dpm (disintegrations per minute).

Polychlorinated biphenyls (PCB's) 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 (PCN's) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCB's) and have been identified in commercial PCB preparations.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

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Recoverable from bottom material is 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 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.

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or non-exceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the non-exceedances of the $7Q_{10}$ occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

River mile is the distance of a point on a river measured in miles from the river's mouth along the low-water channel.

River mileage is the linear distance along the meandering path of a stream channel determined in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council.

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

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 the United States and Canada, formerly called Sea Level Datum of 1929. See: http://www.co-ops.nos.noaa.gov/glossary/gloss_n.html#NGVD

Sediment is solid material that is transported by, suspended in, or deposited from water. It originates mostly from disintegrated rocks; it also 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 is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a 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). The entire sample is used for the analysis.

Suspended-sediment discharge (tons/day) is the quantity of sediment moving in suspension, reported as dry weight, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027.

Suspended-sediment load is a term that refers to material in suspension. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment discharge or concentration.

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Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance 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 per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). 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: See "Gage height."

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

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 or impoundment is that area encompassed by the boundary of the lake or impoundment as shown on USGS topographic maps, or on other available maps or photographs. The computed surface areas reflect the water levels of the lakes or impoundments at the times when the information for the maps or photographs was obtained.

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

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative 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 are 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 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. 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.

Tons per day (T/DAY, tons/d) is the rate representing a mass of 1 ton of a constituent in streamflow passing a cross section in 1 day. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

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Total is the total amount of a given constituent in a representative 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 suspended-sediment mixture and that the analytical method determined all of the constituent in the sample.)

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."

Total recoverable is the amount of a given constituent that is in solution after a representative 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 are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Turbidity is a measurement of the collective optical properties of a water sample that cause light to be scattered and absorbed rather than transmitted in straight lines; the higher the intensity of scattered light, the higher the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU) or Formazin turbidity units (FTU) depending on the method and equipment used.

Volatile organic compounds (VOC's) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOC's are manmade chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens (U.S. Environmental Protection Agency, 1996).

Water level is the water-surface elevation or stage of the free surface of a body of water above or below any datum (see "Gage height"), or the surface of water standing in a well, usually indicative of the position of the water table or other potentiometric surface.

Water table is the surface of a ground-water body at which the water is at atmospheric pressure.

Water year in U.S. Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1999, is called the "1999 water year."

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.

Well is an excavation (pit, hole, tunnel), generally cylindrical in form and often walled in, drilled, dug, driven, bored, or jetted into the ground to such a depth as to penetrate water-yielding geologic material and allow the water to flow or to be pumped to the surface.

Wet weight refers to the weight of animal tissue or other substance including its contained water.

WSP is used as an abbreviation for "Water-Supply Paper" in reference 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.

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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, chap. A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS-TWRI book 8, chap. 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, chap. B2. 1968. 15 pages.

Book 9. Handbooks for Water-Resources Investigations

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

- 9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A1. 1998. 47 p.
- 9-A2. *National Field Manual for the Collection of Water-Quality Data: Selection of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A2. 1998. 94 p.
- 9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A3. 1998. 75 p.
- 9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A4. 1999. 156 p.
- 9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A5. 1999. 149 p.
- 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, chap. A6. 1998. Variously paginated.
- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, edited by D.N. Myers and F.D. Wilde: USGS-TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.
- 9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom-material samples*, by D.B. Radtke: USGS-TWRI book 9, chap. 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, chap. 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 good, except for Oct. 1 to Nov. 20 determined using observed daily readings, which are fair. Satellite telemetry at station.

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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3250	2010	2170	7840	35000	4760	10100	3990	3100	2990	2380	1610
2	2790	2050	2170	8060	37600	6350	10400	3890	3090	2650	2330	1580
3	2560	2010	2280	8750	37300	6970	11100	3540	2940	2410	2120	1610
4	2450	1960	2230	10100	37800	7580	10800	3250	2780	2330	1990	1650
5	2530	1950	2210	12000	38700	8820	10300	3080	2660	2330	1920	1630
6	2750	1890	2230	11900	39500	9690	10100	3000	2620	2240	1860	1630
7	3110	1850	2240	10100	39800	10600	11600	2980	2470	2130	1820	1720
8	3430	1880	2250	8980	39900	11900	13800	2930	2400	2080	1790	2000
9	5840	1870	2300	9160	39400	13800	13700	2930	2460	2160	1770	2250
10	4700	1900	2340	10100	39100	16100	10500	3050	2400	2350	1770	2070
11	3270	1950	2340	11300	38900	21200	8390	3070	2340	2380	1790	2180
12	2730	2070	2410	11200	38200	25800	e7460	2950	2350	2530	2230	2120
13	2520	2310	2650	10500	38000	29400	e6820	2860	2370	2740	2430	1930
14	2380	2510	2910	10300	36500	32600	6290	2790	2340	2910	2110	1810
15	2320	2730	4580	9860	33900	e38100	5990	2730	2380	2880	2000	1740
16	2250	3090	5630	8920	26900	40700	5650	2750	2620	e2680	1910	1680
17	e2200	3270	5610	e8600	17000	41500	5240	2810	2730	e2490	1810	1670
18	2150	3440	5170	8260	10700	40000	6470	2720	2690	e2340	1750	1640
19	2110	3700	4570	7940	8600	36500	7590	2620	2700	2220	1700	1590
20	2060	2920	4110	e7540	8150	31600	6930	2570	2570	2230	1670	1550
21	2010	2620	3860	e7120	7040	26200	5820	2520	2360	2140	1690	1540
22	1950	2540	3800	e6760	6200	21800	5010	2480	2240	2210	1750	1530
23	1870	2440	3840	e6500	5570	18400	4470	2480	2230	2210	1710	1510
24	1880	2350	3780	6200	5090	15200	4020	2640	2260	2350	1670	1500
25	1900	2330	3850	8500	4770	12500	3770	2760	2310	2520	1650	1500
26	1900	2320	4080	11200	4540	10600	3800	2660	2330	2600	1630	1500
27	e1880	2310	4840	12500	4370	10300	4000	2570	2440	2480	2040	1500
28	1850	2250	6060	13100	4410	12700	3870	2590	2440	2580	1940	1500
29	1910	2200	6960	13300	---	14400	3550	2630	2510	2530	1760	1600
30	1920	2170	7190	17000	---	13500	3570	2630	3030	2520	1690	1710
31	1980	---	7300	27400	---	11300	---	2890	---	2420	1640	---
TOTAL	78450	70890	117960	320990	682940	600870	221110	89360	76160	75630	58320	51050
MEAN	2531	2363	3805	10350	24390	19380	7370	2883	2539	2440	1881	1702
MAX	5840	3700	7300	27400	39900	41500	13800	3990	3100	2990	2430	2250
MIN	1850	1850	2170	6200	4370	4760	3550	2480	2230	2080	1630	1500
CFSM	.39	.36	.58	1.58	3.71	2.95	1.12	.44	.39	.37	.29	.26
IN.	.44	.40	.67	1.82	3.87	3.40	1.25	.51	.43	.43	.33	.29

e Estimated

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	2928	4253	9911	15680	19940	20740	19280	12330	5643	4586	3754	2886
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 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1939 - 1999	
ANNUAL TOTAL	4493120		2443730			
ANNUAL MEAN	12310		6695		10070	
HIGHEST ANNUAL MEAN					22560	
LOWEST ANNUAL MEAN					3412	
HIGHEST DAILY MEAN	56200	Jan 12	41500	Mar 17	127000	Apr 24 1979
LOWEST DAILY MEAN	1850	Oct 28	1500	Sep 24	1020	Oct 29 1963
ANNUAL SEVEN-DAY MINIMUM	1880	Oct 23	1510	Sep 22	1030	Oct 26 1963
INSTANTANEOUS PEAK FLOW			Unknown	Unknown	129000	Apr 24 1979
INSTANTANEOUS PEAK STAGE			Unknown	Unknown	23.23	Apr 24 1979
INSTANTANEOUS LOW FLOW			1490	Sep 26	1020	Oct 29 1963
INSTANTANEOUS LOW STAGE			^a 6.76	Sep 26	^b 4.84	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.87		1.02		1.53	
ANNUAL RUNOFF (INCHES)	25.43		13.83		20.82	
10 PERCENT EXCEEDS	40600		13800		28200	
50 PERCENT EXCEEDS	3510		2720		4610	
90 PERCENT EXCEEDS	2170		1770		1860	

a Also occurred Sep 27, 1999.

b Also occurred Oct 31, 1963.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.58	7.71	7.97	14.09	20.15	11.47	15.35	10.42	9.13	9.06	8.27	6.97
2	8.91	7.78	7.96	14.22	20.33	13.02	15.49	10.28	9.12	8.54	8.20	6.93
3	8.56	7.70	8.14	14.64	20.32	13.53	15.82	9.80	8.88	8.17	7.88	6.97
4	8.40	7.61	8.07	15.37	20.35	13.92	15.69	9.36	8.62	8.06	7.66	7.04
5	8.52	7.60	8.03	16.16	20.41	14.69	15.44	9.11	8.42	8.06	7.55	7.01
6	8.84	7.49	8.07	16.13	20.46	15.15	15.38	8.99	8.35	7.92	7.44	7.01
7	9.38	7.41	8.07	15.37	20.48	15.59	16.01	8.94	8.12	7.76	7.36	7.17
8	9.83	7.48	8.10	14.78	20.49	16.12	16.80	8.86	8.02	7.69	7.30	7.69
9	12.59	7.45	8.18	14.88	20.46	16.78	16.74	8.87	8.12	7.82	7.28	8.09
10	11.40	7.50	8.23	15.38	20.44	17.40	15.52	9.05	8.03	8.11	7.27	7.81
11	9.60	7.60	8.24	15.90	20.42	18.55	14.42	9.10	7.95	8.16	7.31	7.98
12	8.82	7.81	8.33	15.86	20.38	19.27	---	8.90	7.97	8.39	8.04	7.89
13	8.50	8.19	8.69	15.58	20.36	19.65	---	8.75	8.00	8.73	8.37	7.57
14	8.29	8.48	9.08	15.45	20.26	19.96	12.98	8.63	7.96	8.99	7.87	7.34
15	8.20	8.82	11.24	15.24	20.06	20.37	12.72	8.53	8.03	8.95	7.69	7.22
16	8.10	9.36	12.40	14.75	19.36	---	12.41	8.57	8.40	---	7.52	7.11
17	---	9.60	12.38	---	17.60	20.57	12.02	8.67	8.58	---	7.35	7.08
18	7.94	9.84	11.94	14.35	15.62	20.49	13.11	8.51	8.53	---	7.22	7.04
19	7.88	10.18	11.24	14.15	14.56	20.26	13.93	8.36	8.54	7.97	7.14	6.93
20	7.80	9.10	10.69	---	14.28	19.86	13.48	8.27	8.35	7.98	7.09	6.87
21	7.71	8.65	10.39	---	13.56	19.30	12.57	8.20	8.04	7.86	7.13	6.85
22	7.60	8.52	10.31	---	12.90	18.68	11.74	8.14	7.85	7.96	7.23	6.84
23	7.45	8.38	10.36	---	12.34	17.96	11.05	8.14	7.85	7.97	7.16	6.80
24	7.48	8.24	10.29	12.90	11.85	17.17	10.45	8.39	7.90	8.19	7.08	6.78
25	7.50	8.21	10.37	14.50	11.48	16.35	10.12	8.58	7.97	8.45	7.04	6.79
26	7.50	8.21	10.65	15.85	11.21	15.62	10.16	8.42	8.02	8.58	7.02	6.78
27	---	8.18	11.56	16.36	11.00	15.44	10.43	8.28	8.18	8.40	7.75	6.78
28	7.41	8.10	12.78	16.55	11.05	16.41	10.25	8.30	8.19	8.56	7.57	6.79
29	7.52	8.01	13.52	16.62	---	16.98	9.81	8.38	8.29	8.48	7.26	6.95
30	7.54	7.97	13.67	17.60	---	16.69	9.85	8.38	9.12	8.48	7.12	7.15
31	7.65	---	13.74	19.42	---	15.92	---	8.80	---	8.33	7.03	---
MAX	---	10.18	13.74	---	20.49	---	---	10.42	9.13	---	8.37	8.09
MIN	---	7.41	7.96	---	11.00	---	---	8.14	7.85	---	7.02	6.78

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)
Feb. 1	1130	10,200	17.11	Mar. 14	1230	*16,600	*21.26

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	311	275	304	464	9260	1110	562	275	302	271	338	232
2	309	283	303	522	4860	1010	581	271	268	254	296	231
3	303	284	304	1370	1970	570	501	270	261	247	264	231
4	302	287	304	1470	1500	469	453	270	254	257	252	233
5	300	286	303	877	1310	434	423	274	249	250	245	234
6	308	277	303	540	817	409	444	273	246	242	240	229
7	434	275	304	476	650	396	470	268	241	237	236	269
8	499	276	308	456	561	459	481	263	253	240	236	313
9	449	277	308	460	506	770	435	261	273	239	235	370
10	362	303	314	457	468	1700	392	264	251	262	262	289
11	326	324	342	417	438	1760	369	275	248	262	332	248
12	309	364	345	385	423	1450	350	275	264	261	299	237
13	303	336	383	366	386	4340	338	273	267	253	261	229
14	298	356	468	353	367	14300	333	270	290	244	246	224
15	293	886	413	343	355	11100	333	265	284	239	238	219
16	296	1300	359	338	349	5160	319	262	387	248	235	214
17	296	769	332	331	373	2240	312	259	338	284	233	212
18	296	443	318	325	596	1140	306	259	300	257	231	212
19	291	376	325	319	1210	866	303	256	267	254	229	211
20	288	347	336	318	779	705	302	253	251	262	228	210
21	285	330	359	317	509	610	301	253	241	251	227	209
22	282	322	346	342	429	545	300	251	240	239	228	206
23	277	320	328	977	391	505	297	250	247	240	232	205
24	276	319	350	1120	368	475	295	261	245	325	228	205
25	276	316	445	691	352	484	292	254	270	320	223	205
26	279	314	547	491	342	530	289	256	285	256	266	207
27	276	311	437	423	343	539	290	249	309	430	238	207
28	274	307	463	404	499	478	287	246	654	348	228	205
29	274	306	932	508	---	439	284	268	475	336	223	241
30	274	304	1170	5730	---	434	281	338	312	314	223	254
31	275	---	626	7430	---	482	---	334	---	329	222	---
TOTAL	9621	11473	12679	29020	30411	55909	10923	8296	8772	8451	7674	6991
MEAN	310	382	409	936	1086	1804	364	268	292	273	248	233
MAX	499	1300	1170	7430	9260	14300	581	338	654	430	338	370
MIN	274	275	303	317	342	396	281	246	240	237	222	205
CFSM	.63	.78	.83	1.90	2.21	3.67	.74	.54	.59	.55	.50	.47
IN	.73	.87	.96	2.19	2.30	4.23	.83	.63	.66	.64	.58	.53

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1999, BY WATER YEAR (WY)

MEAN	386	505	877	1294	1434	1381	1314	861	532	462	408	375
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1944 - 1999

ANNUAL TOTAL	319981			200220								
ANNUAL MEAN	877			549						816		
HIGHEST ANNUAL MEAN										1301		1983
LOWEST ANNUAL MEAN										394		1954
HIGHEST DAILY MEAN	16800	Jan	7	14300	Mar	14	56900	Apr	7	1983		
LOWEST DAILY MEAN	274	Oct	28	205	Sep	23	177	Oct	31	1963		
ANNUAL SEVEN-DAY MINIMUM	275	Oct	26	206	Sep	22	179	Oct	25	1963		
INSTANTANEOUS PEAK FLOW				16600	Mar	14	64200	Apr	7	1983		
INSTANTANEOUS PEAK STAGE				21.26	Mar	14	34.62	Apr	7	1983		
ANNUAL RUNOFF (CFSM)	1.78			1.11			1.66					
ANNUAL RUNOFF (INCHES)	24.19			15.14			22.53					
10 PERCENT EXCEEDS	1790			652			1590					
50 PERCENT EXCEEDS	368			304			400					
90 PERCENT EXCEEDS	297			235			249					

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 27,200 ft³/s, Mar. 14, gage height, 16.50 ft; minimum gage height, 0.49 ft, Oct. 23.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.82	.54	.67	1.24	8.98	1.50	1.58	.80	.88	.84	.88	.61
2	.77	.57	.67	1.29	8.53	1.99	1.59	.79	.80	.75	.84	.64
3	.73	.58	.68	1.80	4.87	1.62	1.54	.78	.72	.72	.76	.67
4	.75	.56	.69	2.34	2.95	1.27	1.44	.78	.69	.75	.69	.72
5	.76	.56	.70	2.18	3.01	1.16	1.37	.82	.68	.74	.67	.71
6	.81	.54	.70	1.47	2.36	1.11	1.32	.81	.68	.71	.65	.69
7	2.41	.53	.68	1.24	2.00	1.06	1.35	.78	.66	.68	.64	.73
8	1.60	.54	.71	1.18	1.77	1.05	1.31	.77	.65	.77	.63	.81
9	1.17	.55	.71	1.11	1.61	1.62	1.34	.75	.76	.94	.64	1.05
10	.96	.70	.70	1.07	1.59	2.24	1.24	.76	.76	.77	.73	.99
11	.82	1.09	.77	1.06	1.36	2.66	1.16	.84	.76	.79	.75	.81
12	.74	.78	.83	1.01	1.23	3.06	1.11	.87	.73	.77	.81	.73
13	.69	.77	.84	.97	1.15	5.58	1.06	.84	.85	1.05	.74	.70
14	.67	.75	.89	.93	1.08	15.18	1.03	.80	.80	.88	.67	.68
15	.66	.95	.97	.90	1.04	13.72	1.04	.76	1.03	.75	.63	.66
16	.66	1.64	.87	.89	1.02	10.75	.99	.74	1.13	.70	.61	.64
17	.64	1.81	.80	.88	1.08	5.84	.97	.72	1.09	.72	.60	.63
18	.62	1.19	.76	.86	1.61	3.53	.95	.71	.89	.80	.60	.63
19	.62	.92	.79	.85	1.76	2.73	.95	.71	.79	.73	.59	.64
20	.60	.81	.84	.84	1.95	2.36	.94	.69	.73	.78	.59	.64
21	.59	.74	.82	.84	1.42	2.11	.93	.69	.68	.75	.61	.65
22	.56	.72	.84	.87	1.20	1.92	.91	.68	.66	.74	.59	.64
23	.54	.71	.81	1.49	1.08	1.78	.89	.68	.70	.69	.60	.64
24	.55	.70	.87	2.02	1.01	1.67	.89	.78	.71	.77	.84	.65
25	.55	.70	1.00	1.83	.97	1.64	.87	.73	.77	1.26	.65	.66
26	.55	.69	1.12	1.35	.94	1.67	.86	.70	1.09	.97	.69	.68
27	.55	.68	1.12	1.15	.95	1.62	.91	.70	1.24	.91	1.01	.68
28	.54	.67	1.30	1.05	1.26	1.56	.87	.69	.98	1.10	.84	.68
29	.55	.67	1.53	1.04	---	1.48	.84	.73	1.31	.89	.68	.78
30	.55	.67	1.89	8.39	---	1.48	.81	.80	1.05	.91	.64	.88
31	.54	---	1.74	12.05	---	1.61	---	.90	---	.93	.62	---
MEAN	.76	.78	.91	1.81	2.13	3.18	1.10	.76	.84	.82	.69	.71
MAX	2.41	1.81	1.89	12.05	8.98	15.18	1.59	.90	1.31	1.26	1.01	1.05
MIN	.54	.53	.67	.84	.94	1.05	.81	.68	.65	.68	.59	.61

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 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 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	1750	20,500	12.63	Mar. 15	2050	*30,600	*14.03

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1220	719	746	1400	17400	1130	1700	813	987	958	859	618
2	1030	736	743	1210	16700	1300	1590	803	909	843	821	614
3	938	738	739	1540	13500	1540	1540	794	828	791	791	625
4	875	731	746	1820	8540	1270	1450	790	777	771	743	639
5	894	719	757	2000	3740	1050	1360	806	751	769	703	700
6	914	710	759	1760	2990	973	1290	820	753	769	681	675
7	1350	702	750	1370	2370	928	1250	807	746	739	666	763
8	2560	700	761	1280	1980	879	1260	783	731	745	658	703
9	1890	704	791	1230	1750	1130	1220	771	719	860	650	758
10	1350	720	787	1160	1610	1940	1210	766	814	924	662	874
11	1110	912	786	1110	1550	2190	1140	830	780	811	705	817
12	984	1010	861	1070	1430	2400	1080	877	793	795	718	719
13	912	849	984	1040	1340	3590	1030	904	797	817	742	674
14	869	900	948	995	1260	7630	996	857	982	956	702	653
15	842	1140	921	963	1190	22800	990	812	892	845	662	635
16	837	1210	921	943	1110	26900	982	784	1020	760	637	618
17	824	1550	853	923	1030	20500	957	767	1100	729	629	604
18	810	1500	811	911	1120	11700	935	757	1060	738	625	594
19	803	1120	794	890	1340	5000	911	750	902	773	620	590
20	795	953	830	873	1540	3140	901	743	831	732	613	588
21	777	884	853	867	1550	2530	896	732	779	746	622	585
22	752	841	837	863	1230	2190	887	725	753	728	621	579
23	740	818	823	952	1060	1940	877	729	775	701	611	572
24	738	804	834	1420	956	1760	872	762	770	694	616	572
25	737	790	927	1650	906	1660	863	818	783	845	729	573
26	734	780	1020	1440	871	1660	855	772	872	1090	640	577
27	729	772	1060	1160	847	1640	858	747	1330	942	664	582
28	725	766	1100	1040	897	1560	877	747	1350	922	819	581
29	723	755	1420	988	---	1480	846	918	1060	1010	735	592
30	723	749	1460	2140	---	1450	827	868	1150	907	657	650
31	719	---	1640	5400	---	1630	---	1050	---	872	629	---
TOTAL	29904	26282	28262	42408	91807	137490	32450	24902	26794	25582	21230	19324
MEAN	965	876	912	1368	3279	4435	1082	803	893	825	685	644
MAX	2560	1550	1640	5400	17400	26900	1700	1050	1350	1090	859	874
MIN	719	700	739	863	847	879	827	725	719	694	611	572
CFSM	.80	.72	.75	1.13	2.70	3.66	.89	.66	.74	.68	.56	.53
IN.	.92	.81	.87	1.30	2.82	4.22	1.00	.76	.82	.78	.65	.59

PEARL RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1999, BY WATER YEAR (WY)

MEAN	932	1234	2182	2969	3495	3349	3291	2146	1417	1250	1119	1014
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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1938 - 1999		
ANNUAL TOTAL	898285			506435			2025		
ANNUAL MEAN	2461			1387			3697		
HIGHEST ANNUAL MEAN							919		
LOWEST ANNUAL MEAN							1963		
HIGHEST DAILY MEAN	46900	Jan	9	26900	Mar	16	126000	Apr	8 1983
LOWEST DAILY MEAN	700	Nov	8	572	Sep	23	369	Oct	26 1968
ANNUAL SEVEN-DAY MINIMUM	712	Nov	4	577	Sep	22	382	Oct	25 1968
INSTANTANEOUS PEAK FLOW				30600	Mar	15	132000	Apr	8 1983
INSTANTANEOUS PEAK STAGE				14.03	Mar	15	21.22	Apr	8 1983
INSTANTANEOUS LOW FLOW				569	Sep	24	^a 366	Oct	22 1968
INSTANTANEOUS LOW STAGE				2.77	Sep	24	^b 0.7	Oct	1 1937
ANNUAL RUNOFF (CFSM)	2.03			1.14			1.67		
ANNUAL RUNOFF (INCHES)	27.55			15.53			22.69		
10 PERCENT EXCEEDS	4630			1640			3880		
50 PERCENT EXCEEDS	1020			857			1150		
90 PERCENT EXCEEDS	741			662			650		

^a Also occurred Oct. 23, 26, 29, 1968.^b Also occurred Oct 29-30, 1940; Oct. 22-27, 1941.GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.55	3.37	3.44	4.92	12.12	4.76	5.50	3.58	3.93	3.86	3.61	2.94
2	4.13	3.42	3.43	4.52	12.03	5.11	5.29	3.55	3.74	3.57	3.51	2.93
3	3.92	3.42	3.42	5.19	11.50	5.60	5.19	3.53	3.54	3.44	3.44	2.96
4	3.77	3.40	3.44	5.72	10.44	5.06	5.02	3.51	3.41	3.39	3.31	3.00
5	3.81	3.37	3.47	6.03	8.57	4.58	4.85	3.55	3.34	3.38	3.21	3.17
6	3.86	3.35	3.48	5.61	7.69	4.40	4.70	3.58	3.34	3.38	3.15	3.09
7	4.77	3.32	3.45	4.85	6.87	4.30	4.62	3.55	3.32	3.30	3.11	3.33
8	6.94	3.32	3.48	4.68	6.31	4.18	4.64	3.49	3.28	3.32	3.08	3.17
9	5.83	3.33	3.56	4.57	5.95	4.73	4.55	3.45	3.25	3.61	3.06	3.31
10	4.83	3.37	3.55	4.41	5.74	6.24	4.53	3.43	3.50	3.78	3.09	3.62
11	4.32	3.85	3.55	4.32	5.62	6.62	4.38	3.60	3.41	3.49	3.20	3.46
12	4.03	4.10	3.73	4.23	5.38	6.92	4.25	3.71	3.44	3.45	3.24	3.21
13	3.86	3.70	4.03	4.15	5.20	8.39	4.13	3.78	3.45	3.50	3.30	3.09
14	3.75	3.83	3.94	4.05	5.04	10.22	4.06	3.65	3.92	3.86	3.19	3.03
15	3.69	4.38	3.88	3.98	4.88	12.89	4.04	3.54	3.70	3.58	3.09	2.97
16	3.67	4.53	3.88	3.93	4.71	13.54	4.02	3.47	4.00	3.36	3.02	2.92
17	3.64	5.21	3.71	3.88	4.53	12.61	3.96	3.43	4.20	3.28	2.99	2.88
18	3.61	5.12	3.61	3.86	4.74	11.12	3.90	3.39	4.11	3.30	2.98	2.85
19	3.59	4.33	3.57	3.81	5.21	9.33	3.85	3.37	3.72	3.39	2.96	2.84
20	3.57	3.96	3.66	3.76	5.58	7.79	3.82	3.35	3.54	3.29	2.94	2.84
21	3.52	3.79	3.71	3.75	5.61	6.90	3.80	3.32	3.41	3.32	2.96	2.83
22	3.46	3.69	3.67	3.74	4.97	6.35	3.78	3.30	3.34	3.27	2.96	2.81
23	3.42	3.63	3.64	3.95	4.60	5.92	3.75	3.31	3.40	3.20	2.93	2.79
24	3.42	3.59	3.67	4.95	4.36	5.62	3.74	3.39	3.38	3.18	2.95	2.78
25	3.42	3.56	3.89	5.40	4.24	5.43	3.72	3.54	3.42	3.58	3.26	2.78
26	3.41	3.53	4.11	5.00	4.16	5.43	3.69	3.42	3.65	4.17	3.01	2.79
27	3.40	3.51	4.21	4.43	4.10	5.39	3.70	3.35	4.70	3.82	3.08	2.81
28	3.39	3.49	4.29	4.15	4.22	5.24	3.74	3.35	4.75	3.77	3.48	2.80
29	3.38	3.46	4.95	4.04	---	5.08	3.67	3.77	4.11	3.99	3.26	2.84
30	3.38	3.45	5.05	6.21	---	5.02	3.61	3.65	4.31	3.73	3.05	3.00
31	3.37	---	5.38	9.35	---	5.36	---	4.10	---	3.65	2.97	---
MAX	6.94	5.21	5.38	9.35	12.12	13.54	5.50	4.10	4.75	4.17	3.61	3.62
MIN	3.37	3.32	3.42	3.74	4.10	4.18	3.61	3.30	3.25	3.18	2.93	2.78

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, 76,300 ft³/s, Mar. 18, gage height 16.96 ft; minimum gage height, 3.03 ft, Sept. 26.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.25	4.35	4.63	9.26	12.80	7.43	11.55	6.11	5.51	5.40	5.04	3.87
2	6.91	4.50	4.60	9.36	14.55	7.70	11.06	6.32	5.63	5.52	4.95	3.99
3	6.24	4.66	4.60	9.52	15.78	8.40	10.67	6.42	5.63	5.28	4.86	3.86
4	5.75	4.61	4.64	9.78	16.18	9.05	10.65	6.23	5.43	5.05	4.68	3.71
5	5.53	4.54	4.64	10.12	16.10	9.22	10.70	6.05	5.19	4.88	4.45	3.66
6	5.46	4.38	4.64	10.53	15.84	9.49	10.57	5.79	5.00	4.80	4.23	3.69
7	5.61	4.33	4.66	10.86	15.69	9.83	10.41	5.58	4.94	4.66	4.11	3.74
8	6.23	4.39	4.67	10.92	15.66	10.15	10.45	5.47	4.79	4.49	4.04	3.82
9	7.06	4.42	4.63	10.56	15.65	10.56	10.84	5.38	4.67	4.51	3.95	4.02
10	6.66	4.55	4.74	10.16	15.63	11.27	11.16	5.35	4.59	4.65	3.99	4.40
11	6.23	4.66	4.84	10.11	15.58	11.86	10.98	5.52	4.62	4.85	3.92	4.56
12	5.80	4.96	4.96	10.34	15.53	12.34	10.22	5.62	4.56	4.89	3.82	4.58
13	5.45	5.27	5.04	10.59	15.45	13.31	9.50	5.53	4.55	4.87	3.99	4.57
14	5.22	5.35	5.24	10.60	15.39	14.48	9.00	5.39	4.65	5.07	4.45	4.36
15	4.98	5.80	5.45	10.44	15.30	15.29	8.73	5.25	4.84	5.36	4.44	4.08
16	4.97	6.40	6.28	10.31	15.15	16.16	8.53	5.13	4.85	5.40	4.26	3.81
17	4.95	6.47	7.33	10.16	14.79	16.85	8.33	5.06	5.08	5.18	4.10	3.66
18	4.90	6.86	7.75	9.87	13.95	16.90	8.04	5.07	5.30	4.98	3.86	3.61
19	4.87	7.01	7.76	9.60	12.55	16.62	8.18	5.00	5.30	4.85	3.72	3.73
20	4.78	6.61	7.43	9.50	11.12	16.18	8.76	4.88	5.22	4.76	3.64	3.91
21	4.70	6.10	7.05	9.35	10.37	15.54	8.98	4.75	5.10	4.60	3.69	3.91
22	4.51	5.72	6.72	9.11	9.88	14.75	8.64	4.66	4.85	4.43	3.66	3.69
23	4.41	5.45	6.54	8.97	9.28	13.95	8.05	4.61	4.73	4.37	3.66	3.49
24	4.51	5.22	6.53	8.84	8.67	13.25	7.47	4.65	4.57	4.44	3.68	3.44
25	4.52	5.04	6.56	8.88	8.23	12.57	6.97	4.70	4.50	4.60	3.65	3.37
26	4.49	4.91	6.64	9.25	7.89	11.93	6.59	4.86	4.73	4.89	3.65	3.13
27	4.42	4.82	6.84	9.87	7.62	11.30	6.45	4.84	4.91	5.32	3.53	3.38
28	4.38	4.77	7.32	10.48	7.45	10.79	6.50	4.80	5.26	5.33	3.81	3.48
29	4.41	4.72	8.05	10.88	---	10.75	6.50	4.87	5.28	5.35	4.20	3.45
30	4.40	4.69	8.73	11.14	---	11.22	6.26	5.14	5.08	5.32	4.00	3.43
31	4.37	---	9.09	11.76	---	11.69	---	5.40	---	5.17	3.81	---
MAX	7.25	7.01	9.09	11.76	16.18	16.90	11.55	6.42	5.63	5.52	5.04	4.58
MIN	4.37	4.33	4.60	8.84	7.45	7.43	6.26	4.61	4.50	4.37	3.53	3.13

PEARL RIVER BASIN

02492666 FRENCH BRANCH AT OLD RIVER ROAD AT SLIDELL, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.35	2.29	2.06	3.64	3.97	3.22	3.94	3.01	2.69	2.40	2.35	2.37
2	3.34	2.41	2.03	3.80	4.03	3.27	3.90	2.99	2.78	2.57	2.35	2.55
3	3.19	2.35	2.11	3.70	4.09	3.39	3.86	2.99	2.79	2.60	2.29	---
4	2.97	2.41	2.24	3.69	4.11	3.52	3.85	3.03	2.67	2.70	2.27	---
5	2.89	2.28	2.19	3.72	4.11	3.62	3.85	3.23	2.52	2.67	2.18	---
6	2.87	1.96	2.22	3.79	4.10	3.67	3.84	3.08	2.47	2.50	2.07	---
7	2.96	2.00	2.27	3.85	4.09	3.70	3.81	2.92	2.55	2.29	2.07	---
8	2.99	2.05	2.23	3.88	4.09	3.78	3.80	2.84	2.48	2.21	1.99	---
9	3.25	2.12	2.18	4.00	4.09	3.87	3.81	2.79	2.40	2.29	2.52	---
10	3.26	2.57	2.29	3.84	4.09	3.86	3.85	2.78	2.22	2.34	2.38	---
11	3.10	2.44	2.47	3.79	4.08	3.91	3.86	2.83	2.19	2.43	1.87	---
12	2.91	2.50	2.64	3.80	4.07	3.95	3.81	2.85	2.21	2.59	1.57	---
13	2.72	2.61	2.29	3.85	4.06	4.23	3.73	2.75	2.21	2.30	1.53	---
14	2.66	2.71	2.22	3.86	4.06	4.07	3.67	2.66	2.28	2.34	1.89	---
15	2.63	2.87	2.31	3.86	4.07	4.03	3.62	2.63	2.39	2.50	2.14	---
16	2.74	3.04	2.54	3.84	4.07	4.04	3.52	2.61	2.34	2.63	2.13	---
17	2.84	3.02	2.91	3.83	4.09	4.07	3.46	2.57	2.43	2.65	1.92	---
18	2.85	3.09	3.18	3.80	4.06	4.08	3.37	2.53	2.60	2.56	1.70	---
19	2.77	3.18	3.33	3.76	4.02	4.08	3.33	2.49	2.68	2.46	1.64	---
20	2.61	3.12	3.31	3.73	3.95	4.06	3.41	2.45	2.78	2.39	1.63	---
21	2.55	2.97	3.23	3.72	3.87	4.04	3.51	2.34	2.74	2.19	1.71	---
22	2.48	2.93	3.11	3.73	3.79	4.03	3.55	2.26	2.55	1.96	1.69	---
23	2.60	2.85	3.02	3.71	3.72	4.02	3.49	2.13	2.38	1.90	1.75	---
24	2.60	2.56	3.00	3.61	3.60	4.00	3.36	2.11	2.23	2.05	1.78	---
25	2.47	2.42	2.97	3.56	3.51	3.97	3.20	2.16	2.18	2.11	1.76	---
26	2.41	2.19	2.97	3.60	3.43	3.94	3.09	2.11	2.45	2.20	1.65	---
27	2.35	2.13	3.03	3.70	3.37	3.91	3.07	2.14	2.38	2.43	1.62	---
28	2.36	2.07	3.21	3.79	3.30	3.87	3.00	2.25	2.39	2.52	1.78	---
29	2.43	2.09	3.32	3.87	---	3.85	3.03	2.27	2.40	2.51	2.02	---
30	2.37	2.14	3.43	3.91	---	3.96	3.03	2.68	2.27	2.44	1.99	---
31	2.30	---	3.57	3.92	---	4.02	---	2.63	---	2.40	1.98	---
MAX	3.35	3.18	3.57	4.00	4.11	4.23	3.94	3.23	2.79	2.70	2.52	---
MIN	2.30	1.96	2.03	3.56	3.30	3.22	3.00	2.11	2.18	1.90	1.53	---

PEARL RIVER BASIN

02492667 DOUBLOON BRANCH AT STATE HIGHWAY 190 AT SLIDELL, LA

LOCATION.--Lat 30°15'44", long 89°43'33", T. 9 S., R. 15 E., St. Tammany Parish, Hydrologic Unit 03180004, at bridge on State Highway 190 Business Route, approximately 0.2 miles west of intersection with Military Rd.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--May 1998 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Flowmeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.83 ft, Sept. 12, 1998; minimum, 0.97 ft, July 2, 1998.

EXTREMES FOR CURRENT YEAR.--Water Year 1999: Maximum elevation, 3.40 ft, Mar. 13; minimum, 1.48 ft, May 30.

ELEVATION, IN FEET NAVD 1988, WATER YEAR MAY 1998 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									1.11	.98	1.61	1.88
2									1.10	.98	1.57	2.00
3									1.10	1.00	1.54	2.01
4									1.09	1.00	1.50	2.18
5									1.09	1.08	1.48	1.92
6									1.22	1.33	1.46	1.77
7									1.22	1.28	1.44	1.76
8									1.17	1.23	1.42	1.75
9									1.15	1.20	1.40	1.73
10									1.13	1.21	1.37	1.80
11									1.12	1.67	1.34	2.55
12									1.10	1.63	1.31	3.62
13									1.09	1.58	1.28	3.36
14									1.07	1.82	1.25	2.95
15									1.06	1.81	1.27	2.64
16									1.05	1.79	1.33	2.44
17									1.03	1.81	1.33	2.47
18									1.03	1.74	1.32	2.88
19								1.17	1.02	1.69	1.33	2.69
20								1.16	1.01	1.65	1.38	2.67
21								1.15	1.01	1.84	1.40	2.57
22								1.14	1.04	1.90	1.44	2.19
23								1.14	1.03	1.85	1.54	2.16
24								1.14	1.02	1.82	1.78	1.95
25								1.14	1.01	1.81	1.73	1.87
26								1.13	1.01	1.83	1.71	1.86
27								1.13	1.01	1.78	1.71	1.96
28								1.12	1.00	1.73	1.80	2.89
29								1.12	.99	1.74	1.73	3.40
30								1.12	.99	1.72	1.76	2.63
31								1.12	---	1.67	1.83	---
MAX	---	---	---	---	---	---	---	---	1.22	1.90	1.83	3.62
MIN	---	---	---	---	---	---	---	---	.99	.98	1.25	1.73

PEARL RIVER BASIN

02492667 DOUBLOON BRANCH AT STATE HIGHWAY 190 AT SLIDELL, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.16	1.71	1.72	2.33	2.67	2.30	3.07	2.03	1.82	1.74	1.72	1.52
2	1.99	1.75	1.71	2.47	2.70	2.28	3.03	2.00	1.85	1.74	1.72	1.67
3	1.94	1.79	1.71	2.47	2.72	2.39	2.99	2.01	1.88	1.78	1.78	1.78
4	1.89	1.75	1.72	2.42	2.75	2.48	2.96	2.02	1.86	1.81	1.78	1.77
5	1.88	1.74	1.73	2.42	2.75	2.61	2.95	2.15	1.79	1.82	1.77	1.75
6	1.85	1.73	1.73	2.46	2.75	2.69	2.93	2.17	1.73	1.80	1.75	1.73
7	1.89	1.71	1.70	2.51	2.75	2.71	2.90	2.02	1.73	1.76	1.74	1.71
8	1.94	1.70	1.69	2.54	2.74	2.77	2.87	1.93	1.72	1.74	1.73	1.70
9	2.06	1.69	1.68	2.68	2.73	2.89	2.86	1.85	1.69	1.71	2.04	1.72
10	2.13	1.77	1.67	2.60	2.75	2.87	2.88	1.86	1.67	1.68	2.21	1.72
11	2.05	1.87	1.68	2.54	2.80	2.90	2.89	1.95	1.64	1.67	1.95	1.70
12	1.96	1.82	1.70	2.53	2.81	2.93	2.86	1.95	1.60	1.79	1.87	1.69
13	1.89	1.80	1.74	2.57	2.82	3.14	2.80	1.91	1.62	1.80	1.83	1.69
14	1.86	1.84	1.72	2.60	2.84	3.19	2.73	1.87	1.67	1.78	1.80	1.71
15	1.84	1.97	1.69	2.62	2.84	3.04	2.69	1.83	1.88	1.75	1.78	1.68
16	1.83	2.02	1.67	2.62	2.87	3.00	2.60	1.80	1.84	1.75	1.76	1.64
17	1.88	2.01	1.76	2.63	2.91	3.01	2.54	1.77	1.80	1.83	1.74	1.61
18	1.94	2.01	2.02	2.63	2.91	3.03	2.45	1.75	1.77	1.85	1.73	1.57
19	1.95	2.06	2.16	2.61	2.89	3.03	2.37	1.73	1.78	1.81	1.72	1.55
20	1.87	2.06	2.18	2.60	2.87	3.04	2.39	1.71	1.84	1.78	1.70	1.54
21	1.82	1.96	2.14	2.60	2.84	3.04	2.49	1.68	1.86	1.76	1.69	1.68
22	1.79	1.94	2.06	2.60	2.79	3.04	2.56	1.65	1.83	1.73	1.67	1.77
23	1.76	1.91	1.99	2.58	2.75	3.05	2.56	1.62	1.78	1.73	1.66	1.70
24	1.76	1.85	1.97	2.52	2.68	3.04	2.45	1.62	1.74	1.77	1.64	1.66
25	1.77	1.80	1.96	2.48	2.60	3.04	2.28	1.60	1.73	1.76	1.62	1.63
26	1.76	1.77	1.95	2.48	2.52	3.02	2.13	1.56	1.86	1.75	1.61	1.62
27	1.74	1.75	1.97	2.53	2.46	3.01	2.07	1.53	1.89	1.79	1.60	1.60
28	1.73	1.74	2.08	2.59	2.42	2.99	2.02	1.52	1.84	1.78	1.58	1.58
29	1.73	1.73	2.15	2.64	---	2.97	2.02	1.50	1.81	1.77	1.55	1.58
30	1.72	1.72	2.21	2.66	---	3.04	2.02	1.54	1.77	1.77	1.53	1.55
31	1.72	---	2.28	2.67	---	3.19	---	1.78	---	1.75	1.52	---
MAX	2.16	2.06	2.28	2.68	2.91	3.19	3.07	2.17	1.89	1.85	2.21	1.78
MIN	1.72	1.69	1.67	2.33	2.42	2.28	2.02	1.50	1.60	1.67	1.52	1.52

LOWER MISSISSIPPI RIVER BASIN

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS

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

DRAINAGE AREA.--1,124,900 mi² contributing.

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 01100.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2,490,000 tons Jan. 14, 1985; minimum daily, 18,000 tons Aug. 14, 15, 17, 18, 1988.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153000	138000	674000	465000	718000	663000	527000	811000	440000	476000	190000	178000
2	168000	149000	728000	451000	728000	668000	515000	768000	451000	477000	185000	167000
3	180000	161000	774000	437000	735000	678000	502000	725000	471000	476000	184000	153000
4	183000	175000	820000	422000	743000	696000	490000	684000	492000	479000	182000	143000
5	186000	187000	858000	405000	750000	731000	477000	646000	524000	474000	178000	135000
6	194000	196000	843000	388000	754000	750000	468000	609000	524000	467000	175000	128000
7	205000	200000	819000	378000	756000	774000	458000	577000	527000	457000	174000	122000
8	214000	208000	797000	371000	755000	829000	447000	549000	522000	447000	169000	114000
9	217000	209000	775000	366000	760000	868000	427000	541000	518000	436000	161000	110000
10	223000	214000	753000	360000	747000	896000	405000	542000	511000	422000	151000	109000
11	214000	226000	733000	355000	750000	914000	418000	542000	508000	408000	146000	104000
12	201000	248000	718000	347000	739000	926000	427000	542000	503000	387000	146000	101000
13	188000	279000	699000	338000	761000	921000	436000	538000	494000	366000	142000	96000
14	174000	300000	678000	327000	779000	914000	446000	533000	482000	345000	139000	92000
15	159000	315000	657000	320000	776000	925000	459000	532000	471000	329000	137000	87000
16	145000	328000	638000	330000	770000	917000	471000	530000	455000	318000	133000	85000
17	131000	355000	621000	344000	771000	910000	482000	524000	437000	303000	133000	84000
18	120000	398000	599000	359000	762000	897000	495000	513000	421000	286000	132000	85000
19	109000	425000	572000	374000	758000	893000	505000	498000	405000	271000	131000	89000
20	99000	451000	561000	388000	744000	883000	512000	486000	409000	257000	133000	90000
21	90000	472000	549000	400000	729000	848000	522000	475000	417000	243000	136000	90000
22	84000	491000	533000	382000	712000	807000	530000	463000	423000	234000	138000	89000
23	78000	499000	520000	390000	691000	765000	543000	458000	430000	224000	142000	86000
24	81000	499000	510000	397000	668000	726000	561000	449000	434000	220000	148000	83000
25	83000	488000	500000	421000	668000	686000	581000	437000	441000	215000	153000	83000
26	92000	490000	493000	452000	677000	648000	611000	421000	447000	209000	161000	85000
27	100000	495000	492000	490000	674000	608000	648000	409000	453000	204000	172000	89000
28	104000	517000	490000	623000	667000	568000	725000	402000	459000	199000	182000	93000
29	117000	560000	487000	699000	---	556000	754000	398000	465000	195000	188000	101000
30	130000	622000	486000	703000	---	548000	780000	405000	471000	192000	192000	103000
31	133000	---	480000	706000	---	540000	---	418000	---	190000	187000	---
MEAN	147000	343000	641000	425000	734000	773000	521000	530000	467000	329000	159000	106000
MAX	223000	622000	858000	706000	779000	926000	780000	811000	527000	479000	192000	178000
MIN	78000	138000	480000	320000	667000	540000	405000	398000	405000	190000	131000	83000

LOWER MISSISSIPPI RIVER BASIN
 07395100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued
 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	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)
JAN					
21...	1100	984000	431	1140000	66
FEB					
03...	0930	732000	259	512000	69
19...	1100	784000	271	574000	63
MAR					
04...	1130	881000	277	658000	63
19...	1200	855000	252	583000	73
APR					
02...	1100	948000	308	789000	69
15...	1200	880000	416	987000	85
29...	1230	907000	231	567000	68
MAY					
14...	1030	1006000	203	551000	63
28...	1100	818000	213	470000	70
JUN					
15...	1100	574000	300	465000	78
JUL					
01...	1100	727000	477	937000	90
14...	1030	732000	384	758000	84
21...	0900	561000	374	566000	72
23...	1130	612000	354	585000	86
29...	1130	484000	322	421000	89
AUG					
05...	1000	381000	262	270000	81
13...	1200	397000	251	270000	89
20...	1100	437000	210	248000	89
20...	1101	437000	215	253000	87
27...	1100	306000	220	181000	92
SEP					
10...	1000	267000	231	166000	83
14...	1200	333000	182	164000	97
23...	0930	254000	180	124000	95

LOWER MISSISSIPPI RIVER BASIN

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93000	207000	114000	516000	606000	703000	781000	567000	382000	1060000	329000	170000
2	94000	221000	116000	543000	551000	703000	788000	567000	381000	1050000	307000	166000
3	98000	234000	120000	576000	503000	704000	806000	568000	384000	1030000	284000	166000
4	101000	241000	126000	620000	487000	658000	837000	572000	388000	1020000	268000	164000
5	101000	261000	126000	704000	422000	651000	865000	577000	384000	992000	264000	162000
6	98000	93000	122000	800000	406000	639000	892000	577000	383000	969000	273000	159000
7	101000	93000	119000	964000	392000	627000	920000	578000	374000	940000	286000	158000
8	104000	96000	120000	1170000	381000	627000	935000	580000	355000	908000	294000	160000
9	105000	100000	121000	1170000	366000	628000	941000	576000	350000	880000	296000	159000
10	103000	104000	125000	1160000	352000	621000	949000	573000	343000	863000	288000	162000
11	98000	109000	129000	1150000	351000	606000	964000	572000	342000	836000	280000	160000
12	95000	111000	133000	1120000	358000	595000	966000	569000	354000	813000	274000	164000
13	95000	109000	137000	1120000	365000	578000	978000	559000	368000	794000	269000	159000
14	97000	113000	143000	1110000	428000	564000	980000	550000	412000	757000	263000	164000
15	97000	112000	142000	1220000	460000	554000	986000	557000	464000	746000	257000	169000
16	92000	111000	134000	1320000	504000	544000	929000	562000	488000	730000	251000	166000
17	90000	110000	127000	1290000	551000	559000	887000	568000	507000	705000	244000	155000
18	91000	107000	131000	1270000	572000	574000	843000	573000	524000	676000	236000	159000
19	88000	109000	136000	1230000	579000	582000	810000	583000	540000	639000	226000	159000
20	87000	115000	140000	1190000	594000	597000	777000	586000	568000	600000	213000	149000
21	86000	117000	149000	1140000	602000	614000	745000	582000	609000	565000	211000	136000
22	90000	120000	164000	1160000	633000	631000	706000	576000	655000	574000	209000	139000
23	90000	118000	192000	1160000	663000	654000	676000	561000	693000	585000	202000	127000
24	99000	116000	250000	1120000	678000	676000	651000	552000	738000	567000	194000	123000
25	118000	114000	308000	1090000	689000	687000	615000	528000	785000	544000	193000	137000
26	131000	112000	323000	1040000	694000	692000	591000	502000	817000	510000	184000	158000
27	146000	109000	348000	982000	705000	702000	578000	485000	864000	476000	181000	191000
28	158000	107000	400000	923000	705000	715000	570000	470000	908000	443000	179000	231000
29	167000	108000	442000	849000	---	729000	566000	461000	949000	420000	180000	247000
30	181000	113000	466000	780000	---	742000	570000	415000	1020000	385000	177000	245000
31	194000	---	493000	667000	---	763000	---	386000	---	354000	172000	---
MEAN	109000	130000	197000	1000000	521000	643000	803000	546000	544000	724000	241000	165000
MAX	194000	261000	493000	1320000	705000	763000	986000	586000	1020000	1060000	329000	247000
MIN	86000	93000	114000	516000	351000	544000	566000	386000	342000	354000	172000	123000

LOWER MISSISSIPPI RIVER BASIN
 07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV					
05...	1000	354000	267	256000	91
10...	1100	366000	258	255000	87
DEC					
03...	1100	350000	213	201000	85
16...	1200	502000	429	581000	85
JAN					
07...	1130	469000	422	534000	82
21...	1200	569000	440	675000	72
FEB					
11...	1100	1190000	306	982000	55
24...	1100	979000	305	805000	63
MAR					
10...	1130	650000	348	611000	82
24...	1100	927000	294	736000	53
APR					
15...	1130	629000	212	360000	77
22...	1130	618000	201	336000	79
MAY					
13...	1130	828000	339	758000	80
27...	1130	648000	262	458000	86
JUN					
10...	1100	618000	374	623000	83
JUL					
15...	1100	571000	487	750000	88
AUG					
12...	1200	285000	230	177000	91
SEP					
09...	1300	206000	163	90500	94

LOWER MISSISSIPPI RIVER BASIN

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95000	298000	228000	524000	936000	658000	600000	464000	459000	608000	263000	84000
2	92000	288000	217000	515000	955000	639000	554000	492000	472000	617000	248000	86000
3	87000	280000	204000	525000	961000	615000	508000	523000	486000	613000	236000	87000
4	85000	266000	204000	540000	964000	592000	466000	543000	506000	616000	225000	94000
5	83000	255000	230000	539000	963000	572000	453000	564000	520000	627000	215000	95000
6	85000	240000	234000	529000	956000	552000	437000	589000	534000	654000	213000	93000
7	92000	226000	237000	534000	952000	542000	427000	609000	551000	675000	209000	95000
8	101000	224000	249000	539000	945000	533000	421000	630000	569000	686000	202000	92000
9	103000	230000	262000	544000	984000	549000	408000	645000	587000	696000	195000	91000
10	117000	254000	276000	537000	988000	599000	404000	664000	606000	712000	192000	90000
11	137000	277000	297000	535000	981000	585000	400000	682000	610000	728000	189000	84000
12	167000	317000	328000	534000	978000	581000	397000	690000	670000	748000	176000	80000
13	185000	343000	397000	529000	975000	633000	395000	705000	673000	757000	172000	77000
14	208000	367000	485000	516000	980000	706000	388000	702000	677000	756000	171000	71000
15	243000	409000	535000	514000	977000	724000	380000	690000	671000	749000	168000	67000
16	278000	416000	572000	516000	970000	731000	367000	681000	666000	706000	165000	64000
17	302000	432000	588000	545000	963000	748000	359000	677000	659000	666000	159000	69000
18	329000	438000	620000	589000	952000	759000	350000	676000	641000	624000	154000	68000
19	342000	431000	626000	633000	924000	760000	344000	671000	626000	582000	150000	67000
20	338000	422000	633000	665000	915000	756000	335000	663000	600000	553000	146000	65000
21	329000	412000	634000	677000	877000	750000	330000	630000	570000	528000	143000	65000
22	309000	410000	630000	676000	836000	737000	333000	593000	553000	493000	139000	64000
23	290000	395000	612000	691000	792000	718000	346000	553000	538000	466000	137000	64000
24	264000	375000	598000	695000	743000	696000	356000	524000	520000	438000	130000	60000
25	248000	354000	582000	703000	713000	696000	374000	504000	517000	414000	125000	60000
26	237000	330000	565000	734000	684000	692000	395000	483000	522000	392000	122000	57000
27	235000	305000	559000	749000	677000	688000	408000	458000	536000	371000	118000	57000
28	252000	279000	546000	795000	674000	677000	419000	465000	544000	350000	112000	60000
29	278000	258000	544000	809000	---	660000	432000	426000	568000	328000	105000	58000
30	294000	239000	551000	873000	---	642000	446000	437000	595000	306000	98000	59000
31	300000	---	544000	945000	---	619000	---	450000	---	283000	90000	---
MEAN	210000	326000	445000	621000	901000	658000	408000	583000	575000	572000	167000	74100
MAX	342000	438000	634000	945000	988000	760000	600000	705000	677000	757000	263000	95000
MIN	83000	224000	204000	514000	674000	533000	330000	426000	459000	283000	90000	57000

RED RIVER BASIN

07337000 RED RIVER AT INDEX, AR

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. 18, 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2710	2400	2590	5360	14100	3310	9770	27400	6820	18600	4910	4370
2	2670	2840	2770	8830	14200	3410	14100	29100	6390	17200	5330	4020
3	2650	3070	2970	11800	16600	3390	19500	28300	7110	17700	5380	2820
4	3640	3720	3250	10400	17600	3420	21700	25700	10700	21300	5410	2220
5	4510	6830	5910	7660	15100	3150	19900	22500	14600	23100	4920	3020
6	6260	8950	13000	6470	12000	2810	27200	19000	21200	23900	4210	3750
7	14300	8680	15200	6650	9370	2830	34700	17900	24000	24100	4600	3070
8	22300	6220	17500	6060	7150	3060	30000	19900	22600	22100	6300	2690
9	20800	4320	17300	4710	6270	3440	26300	20000	20400	19700	6780	2610
10	19900	3670	17900	4250	6820	3700	24400	17800	19600	18000	6830	2240
11	16300	3380	18700	4310	9700	3800	22000	17000	16500	15700	6820	1830
12	12200	3540	17600	4230	10900	4570	19100	17700	11500	14700	5660	1770
13	10600	3610	15200	4140	10700	15600	17700	30800	8940	14400	4270	2320
14	9660	3600	12200	4000	8290	27100	15400	39500	8260	13900	4530	2690
15	9070	4800	11800	3530	6650	25700	12700	34600	11100	14200	5800	2630
16	8740	5050	16200	3140	5920	22300	11800	33500	15800	12700	6170	2790
17	8160	4520	18000	3050	5490	22900	13100	33400	15100	11400	6290	2620
18	6130	4380	15500	3020	5120	25500	13100	31200	12200	10300	6110	2100
19	4740	4260	13200	2960	5660	25200	12400	27100	11200	9550	4770	2110
20	4070	4170	11200	3310	5900	23100	12200	24800	11300	9210	3240	2420
21	3850	3450	10700	3390	4830	19200	10700	24800	11600	7760	2960	2290
22	4880	2740	10600	3150	4150	15000	7440	21500	11800	5180	4100	2110
23	5150	2670	12200	2880	3830	12700	5850	17500	11300	4010	4440	1990
24	5060	2800	13500	2930	3740	11700	7610	15900	10300	4630	4460	1860
25	4270	2820	11500	3320	3610	11100	9650	14800	10600	5770	4420	1660
26	3680	2820	8960	3450	3200	10200	10500	13400	11600	5830	3900	1530
27	3460	2660	8050	3420	2840	8860	11000	12000	12700	5750	2840	1570
28	3350	2300	7370	3550	2890	8140	12400	10600	12500	5570	2410	1700
29	3210	2000	6770	4620	---	7620	14500	9050	12800	4270	3300	1710
30	2790	2210	6400	8240	---	7130	22400	8140	16700	3200	4060	1680
31	2400	---	5910	12200	---	7340	---	7440	---	3370	4230	---
TOTAL	231510	118480	349950	159030	222630	347280	489120	672330	397220	387100	149450	72190
MEAN	7468	3949	11290	5130	7951	11200	16300	21690	13240	12490	4821	2406
MAX	22300	8950	18700	12200	17600	27100	34700	39500	24000	24100	6830	4370
MIN	2400	2000	2590	2880	2840	2810	5850	7440	6390	3200	2410	1530
AC-FT	459200	235000	694100	315400	441600	688800	970200	1334000	787900	767800	296400	143200

RED RIVER BASIN

07337000 RED RIVER AT INDEX, ARKANSAS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1999, BY WATER YEAR (WY)

MEAN	8300	10810	12030	11250	14030	17000	17390	24240	22310	9910	5835	6006
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1944 - 1999

ANNUAL TOTAL	6009370			3596290								
ANNUAL MEAN	16460			9853						13240		
HIGHEST ANNUAL MEAN										30420		1990
LOWEST ANNUAL MEAN										4383		1964
HIGHEST DAILY MEAN	86000	Jan	8	39500	May	14	268000	May	10	1990		
LOWEST DAILY MEAN	2000	Nov	29	1530	Sep	26	384	Nov	28	1956		
ANNUAL SEVEN-DAY MINIMUM	2480	Nov	26	1670	Sep	24	397	Oct	19	1956		
INSTANTANEOUS PEAK FLOW				41000	May	14	270000	May	10	1990		
INSTANTANEOUS PEAK STAGE				10.31	May	14	32.30	May	10	1990		
INSTANTANEOUS LOW FLOW				^a 1510	Sep	26	378	Nov	28	1956		
ANNUAL RUNOFF (AC-FT)	11920000			7133000			9594000					
10 PERCENT EXCEEDS	51300			21600			35400					
50 PERCENT EXCEEDS	6190			6830			6010					
90 PERCENT EXCEEDS	2890			2760			2310					

^a Also occurred Sep 27.

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 Oct. 26-29, Nov. 11-24, Dec. 23-24, Jan. 14-15. Datum of gage not determined. Satellite telemetry at station.

REVISIONS.--The maximum discharge for the water year 1998 has been revised to 126,000 ft³/s, Jan. 12, 1998, and the maximum gage height has been revised to ^a34.05 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4640	5670	5290	18300	31300	8330	18400	23500	9480	14700	5440	5310
2	4050	5330	6030	19700	33000	7650	18500	28200	8830	18600	5740	5510
3	4710	5390	6590	25300	32600	6610	19600	30700	8340	18500	6530	5590
4	5110	5300	7320	28700	32300	5660	25000	30700	8690	18500	6900	5200
5	4990	5180	7590	28900	31700	4790	29200	30100	10700	20000	6960	e4390
6	7710	6740	7790	27400	28800	4120	30700	28400	13600	22000	6840	4090
7	14200	9560	12400	25300	25500	3670	37900	25800	17500	23300	6090	4740
8	26800	10700	21000	25200	21900	3350	42800	23200	21700	24800	5650	5100
9	34400	10000	25500	23400	18300	3560	40600	22300	23000	24800	6130	4700
10	34700	8620	28300	20700	16600	3900	38700	22900	22000	23200	7410	4400
11	33600	8160	32200	19700	17000	4140	38000	20400	21100	22500	8660	4280
12	31600	7930	33900	19400	20300	4310	36700	18600	18600	21700	8900	3990
13	29000	8760	e33500	18200	23600	8390	34600	20000	14800	19400	8620	3820
14	29100	13200	30900	19400	24700	21700	33100	29700	12600	17500	7600	3920
15	29900	12300	28200	15300	23000	29200	31900	38600	11500	17400	6540	4220
16	29700	12800	27900	13500	20600	32700	30200	38400	12100	17100	6750	4420
17	28100	13800	30800	12500	19100	35100	26500	37300	14400	16500	7420	4400
18	26000	13200	33000	12200	18100	35800	25000	37600	15400	14600	7700	4480
19	24600	12400	31500	12000	17000	36700	24900	36100	13600	13600	7740	4290
20	22600	12900	28700	11800	15800	36600	24700	34700	11900	11900	7430	3890
21	20400	9600	27300	11900	14200	36400	26700	33900	11500	10100	6390	3860
22	17800	7750	28400	12800	13400	34400	24800	30400	11300	9370	5590	4010
23	16600	6560	31000	14000	12800	32300	18100	26300	11100	7860	5670	3910
24	15200	5930	31800	13100	13800	30600	11300	22900	11100	6510	6200	3740
25	12600	4740	32200	11600	13500	29300	8750	20900	10600	6000	6230	3580
26	11400	4700	31000	12200	12400	27700	9840	19800	10500	6590	5710	3280
27	10200	4550	28600	14500	10700	24100	11500	17600	11500	7200	5550	3040
28	9320	4500	27200	13100	9220	19600	13800	14400	12400	7650	5030	2880
29	9100	4430	23800	14600	---	18200	16600	11800	12700	7640	4340	2760
30	7680	4510	20300	19400	---	18000	18500	10800	13300	7230	4110	2820
31	6450	---	19300	26900	---	18500	---	10100	---	6300	4690	---
TOTAL	562260	245210	739310	561000	571220	585380	766890	796100	405840	463050	200560	124620
MEAN	18140	8174	23850	18100	20400	18880	25560	25680	13530	14940	6470	4154
MAX	34700	13800	33900	28900	33000	36700	42800	38600	23000	24800	8900	5590
MIN	4050	4430	5290	11600	9220	3350	8750	10100	8340	6000	4110	2760
AC-FT	115000	486400	1466000	1113000	1133000	1161000	1521000	1579000	805000	918500	397800	247200

a Gage height from observer record.

e Estimated

RED RIVER BASIN

07344370 RED RIVER AT SPRING BANK, AR--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1999, BY WATER YEAR (WY)

MEAN	11520	7312	22860	52690	34080	38950	29100	17990	10090	9557	5542	6086
MAX	18140	8174	23850	87290	47750	59030	32630	25680	13530	14940	6470	8018
(WY)	1999	1999	1999	1998	1998	1998	1998	1999	1999	1999	1999	1998
MIN	4905	6451	21870	18100	20400	18880	25560	10300	6655	4176	4614	4154
(WY)	1998	1998	1998	1999	1999	1999	1999	1998	1998	1998	1998	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1998 - 1999		
ANNUAL TOTAL	9430500			6021440					
ANNUAL MEAN	25840			16500			20450		
HIGHEST ANNUAL MEAN							24400		
LOWEST ANNUAL MEAN							16500		
HIGHEST DAILY MEAN	124000			42800			124000		
LOWEST DAILY MEAN	2920			2760			2510		
ANNUAL SEVEN-DAY MINIMUM	3640			3160			3160		
INSTANTANEOUS PEAK FLOW				44100			126000		
INSTANTANEOUS PEAK STAGE				25.62			34.05		
INSTANTANEOUS LOW FLOW				2740			2450		
INSTANTANEOUS LOW STAGE				12.93			12.93		
ANNUAL RUNOFF (AC-FT)	18710000			11940000			14820000		
10 PERCENT EXCEEDS	72900			31700			47400		
50 PERCENT EXCEEDS	13200			13800			12400		
90 PERCENT EXCEEDS	4020			4530			4160		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.85	15.52	15.29	20.45	23.44	16.94	20.48	21.76	17.46	19.38	14.86	14.78
2	14.42	15.31	15.74	20.83	23.75	16.61	20.51	22.81	17.17	20.53	15.07	14.91
3	14.90	15.35	16.06	22.18	23.67	16.07	20.81	23.32	16.95	20.52	15.61	14.96
4	15.17	15.30	16.45	22.92	23.62	15.52	22.11	23.32	17.11	20.50	15.85	14.71
5	15.09	15.22	16.58	22.96	23.51	14.95	23.01	23.19	17.96	20.92	15.89	14.15
6	16.58	16.12	16.68	22.64	22.93	14.48	23.31	22.85	19.01	21.42	15.81	13.94
7	19.13	17.48	18.58	22.20	22.23	14.13	24.61	22.30	20.22	21.73	15.31	14.40
8	22.48	17.98	21.14	22.17	21.39	13.86	25.42	21.69	21.35	22.08	14.99	14.65
9	24.00	17.67	22.24	21.74	20.46	14.03	25.07	21.49	21.66	22.07	15.33	14.37
10	24.07	17.08	22.83	21.10	19.98	14.31	24.77	21.64	21.42	21.70	16.17	14.16
11	23.86	16.86	23.60	20.83	20.08	14.49	24.64	21.00	21.19	21.54	16.90	14.08
12	23.49	16.75	23.91	20.75	20.99	14.62	24.41	20.53	20.54	21.35	17.03	13.86
13	22.98	17.13	23.84	20.42	21.81	16.85	24.05	20.90	19.41	20.74	16.88	13.72
14	23.00	18.91	23.35	20.75	22.05	21.28	23.77	23.08	18.66	20.22	16.29	13.80
15	23.15	18.55	22.82	19.57	21.67	23.01	23.55	24.75	18.27	20.21	15.62	14.03
16	23.11	18.76	22.75	18.98	21.06	23.70	23.22	24.71	18.50	20.13	15.75	14.18
17	22.79	19.10	23.33	18.65	20.68	24.13	22.44	24.52	19.30	19.94	16.18	14.17
18	22.33	18.90	23.75	18.52	20.41	24.26	22.11	24.57	19.61	19.35	16.35	14.22
19	22.04	18.59	23.46	18.45	20.09	24.42	22.09	24.31	19.03	19.03	16.37	14.10
20	21.56	18.76	22.92	18.38	19.74	24.41	22.06	24.07	18.43	18.41	16.18	13.81
21	21.01	17.48	22.63	18.40	19.23	24.36	22.50	23.92	18.27	17.64	15.51	13.80
22	20.32	16.66	22.86	18.75	18.97	24.01	22.08	23.26	18.19	17.29	14.96	13.93
23	19.96	16.04	23.37	19.15	18.75	23.61	20.38	22.40	18.13	16.44	15.02	13.87
24	19.55	15.68	23.52	18.84	19.08	23.30	18.19	21.63	18.13	15.59	15.39	13.75
25	18.67	14.92	23.60	18.31	18.98	23.04	17.14	21.15	17.92	15.24	15.40	13.63
26	18.24	14.89	23.36	18.51	18.62	22.70	17.61	20.85	17.89	15.65	15.04	13.39
27	17.74	14.79	22.89	19.30	17.94	21.90	18.28	20.27	18.25	16.04	14.93	13.19
28	17.39	14.76	22.61	18.86	17.34	20.80	19.08	19.28	18.60	16.32	14.60	13.06
29	17.29	14.71	21.83	19.34	---	20.42	19.98	18.38	18.70	16.31	14.12	12.96
30	16.62	14.76	20.99	20.74	---	20.37	20.52	17.98	18.91	16.06	13.95	13.03
31	15.98	---	20.74	22.52	---	20.51	---	17.71	---	15.45	14.36	---
MAX	24.07	19.10	23.91	22.96	23.75	24.42	25.42	24.75	21.66	22.08	17.03	14.96
MIN	14.42	14.71	15.29	18.31	17.34	13.86	17.14	17.71	16.95	15.24	13.95	12.96

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. Samples are dip sampled at centrum of flow. 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 1998 TO SEPTEMBER 1999

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, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 UM-MF (COLS. PER 100 ML) (31625)
OCT 28...	1705	360	7.66	20.0	20	20	8.1	24	1.1	78	K60
NOV 23...	0840	325	7.46	15.4	20	19	11.8	<10	--	K160	63
DEC 29...	1430	162	7.14	10.6	40	16	10.7	10	--	K800	100
JAN 25...	0805	360	7.67	11.5	60	23	15.6	10	7.3	--	2000
FEB 24...	1650	314	7.71	17.3	50	16	10.5	17	2.7	K260	K32
MAR 30...	0900	250	7.71	14.5	20	14	9.1	27	1.3	K600	K18
APR 28...	1645	758	8.03	23.8	10	6.6	8.6	26	2.4	220	150
MAY 18...	0845	344	7.83	24.3	60	30	7.2	20	2.7	K280	80
JUL 07...	0925	900	8.16	22.2	20	7.3	12.5	12	5.4	--	K70
AUG 04...	0830	1120	8.25	31.9	--	2.2	9.6	25	7.1	--	K16
30...	0850	1460	8.31	29.9	10	5.2	7.4	<10	--	--	K17
SEP 29...	1630	830	7.95	24.6	20	9.6	10.5	22	2.3	K150	40

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 1998 TO SEPTEMBER 1999

DATE	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)
OCT 28...	K4	95	27	6.8	32	3.4	63	50	39	.12
NOV 23...	69	96	28	6.4	26	3.2	85	38	28	.12
DEC 29...	K60	52	16	3.0	9.5	2.3	43	15	10	<.10
JAN 25...	K1500	100	30	7.1	28	3.4	91	41	31	.11
FEB 24...	K20	95	28	6.2	22	2.8	68	36	26	.10
MAR 30...	K37	73	22	4.5	18	2.4	54	29	22	<.10
APR 28...	K31	210	55	18	65	3.3	112	120	96	.16
MAY 18...	K120	95	27	6.7	29	2.5	59	47	36	.10
JUL 07...	K34	210	53	19	100	3.5	73	150	140	.18
AUG 04...	K1500	300	76	26	110	4.0	138	180	160	.20
SEP 30...	K4	360	91	33	160	5.0	152	250	230	.26
SEP 29...	K32	230	62	19	72	3.8	177	92	99	.21
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 28...	220	196	29	<.01	.07	.02	.65	.10	.03	11
NOV 23...	192	181	29	<.01	.08	.07	.75	.09	.03	9.3
DEC 29...	102	82	61	<.01	.24	.07	.46	.08	.03	8.4
JAN 25...	219	195	67	.01	.21	.03	.72	.11	.06	11
FEB 24...	182	162	55	--	.11	.04	.85	.09	--	8.6
MAR 30...	144	130	57	<.01	.12	.02	.61	.11	E.06	8.2
APR 28...	468	425	53	<.01	<.02	.03	.54	.08	E.04	8.8
MAY 18...	230	184	180	<.01	.30	.06	.76	.16	E.10	7.3
JUL 07...	580	509	74	<.01	<.02	.05	.92	.09	E.03	7.5
AUG 04...	696	641	11	<.01	<.02	.03	1.1	.06	.02	9.1
SEP 30...	940	860	19	<.01	<.02	.04	.82	.07	E.02	10
SEP 29...	521	454	20	E.010	<.02	.04	.82	.09	E.02	9.0

< 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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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 28...	1.5	<.5	<1.0	1.4	4.0	746	2	91
JAN 25...	1.6	<.5	<1.0	1.6	3.6	1500	2	56
APR 28...	1.4	<.5	<1.0	1.7	2.7	1100	1	100
AUG 04...	2.3	<4	<1.0	--	2.3	262	<1	132

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 28...	<.1	3.0	<1.0	15	<.01	<4	2
JAN 25...	<.1	3.5	<1.0	8.1	--	<4	1
APR 28...	<.1	3.1	<1.0	9.9	<.01	<4	1
AUG 04...	<.1	1.3	<1.0	--	<.01	<4	--

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 28...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
DEC 29...	<.01	--	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
FEB 24...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
APR 28...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
JUL 07...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
AUG 30...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.02

< 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 1998 TO SEPTEMBER 1999

DATE	PP'- 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 28...	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.1	<.01
DEC 29...	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.1	<.02
FEB 24...	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.1	<.01
APR 28...	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.1	<.01
JUL 07...	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.1	<.01
AUG 30...	<.02	<.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 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
DEC 29...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
FEB 24...	<.01	<.01	<.01	.02	<.01	<.01	<.01	<.01	<.01	<.01
APR 28...	<.01	<.01	<.01	.09	<.01	<.01	<.01	<.01	<.01	<.01
JUL 07...	<.01	<.01	<.01	.02	<.01	<.01	<.01	<.01	<.01	<.01
AUG 30...	<.01	<.01	<.01	E.01	<.01	<.01	<.01	<.01	<.01	<.01

E Estimated.

< 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 and telephone telemetry with wind speed and direction, and rain gage 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, 174.73 ft, Apr. 5, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 174.73 ft, Apr. 5; minimum, 168.90 ft, Sep. 30.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169.75	170.17	170.84	170.80	172.43	170.44	170.87	170.14	169.96	171.04	170.58	---
2	169.75	170.21	170.88	171.26	171.63	170.45	170.83	170.13	169.96	171.01	170.57	---
3	169.86	170.20	170.89	171.47	171.00	170.47	170.80	170.10	169.95	170.97	170.55	---
4	169.90	170.20	170.90	171.29	170.57	170.44	---	170.08	169.95	170.93	170.54	---
5	169.89	170.18	170.89	170.99	170.53	170.43	---	170.14	169.95	170.92	170.53	---
6	170.08	170.16	170.89	170.93	170.55	170.43	174.24	170.21	169.96	170.91	170.52	---
7	170.20	170.14	170.94	170.68	170.58	170.38	173.02	170.20	169.96	170.90	170.51	---
8	170.30	170.20	170.97	170.61	170.57	170.41	172.01	170.17	169.96	170.90	170.51	---
9	170.33	170.19	170.90	170.49	170.58	170.44	171.24	170.13	169.97	170.88	170.50	169.62
10	170.32	170.23	171.12	170.57	170.58	170.41	170.92	170.14	169.98	170.90	170.48	169.59
11	170.31	170.19	171.44	170.64	170.62	170.40	170.81	170.13	170.03	170.93	170.46	169.55
12	170.29	170.25	171.67	170.56	170.63	170.44	170.65	170.16	170.06	171.01	170.43	169.52
13	170.26	170.54	171.41	170.46	170.60	170.96	170.59	170.14	170.09	171.02	170.39	---
14	170.23	170.87	171.02	170.53	170.57	171.26	170.60	170.11	170.12	171.00	170.32	---
15	170.21	171.01	170.90	170.45	170.56	171.08	170.62	170.09	170.12	170.98	170.27	---
16	170.19	170.98	170.90	170.38	170.57	170.93	170.53	170.06	170.12	170.95	170.23	---
17	170.17	170.96	170.89	170.39	170.56	170.94	170.54	170.05	170.11	170.94	170.18	---
18	170.20	170.88	170.87	170.37	170.56	170.90	170.48	170.09	170.11	170.94	170.14	---
19	170.18	170.84	170.92	170.37	170.54	170.57	170.47	170.08	170.10	170.92	170.10	---
20	170.21	170.87	170.82	170.36	170.52	170.52	170.44	170.06	170.10	170.89	170.04	---
21	170.27	170.86	170.89	170.36	170.52	170.50	170.41	170.05	170.10	170.86	169.98	---
22	170.27	170.86	170.85	170.53	170.47	170.50	170.39	170.03	170.14	170.84	169.94	169.15
23	170.29	170.86	---	170.71	170.50	170.51	170.38	170.01	170.22	170.80	169.91	169.12
24	170.28	170.85	---	170.77	170.47	170.53	170.36	169.98	170.31	170.76	169.87	169.08
25	170.26	170.86	170.90	170.82	170.47	170.59	170.34	169.95	170.76	170.73	169.84	169.04
26	170.25	170.84	170.93	170.83	170.45	170.61	170.32	169.93	170.97	170.71	169.79	169.00
27	170.23	170.83	170.90	170.84	170.48	170.62	170.27	169.89	171.15	170.67	169.79	168.98
28	170.21	170.82	170.72	170.96	170.47	170.64	170.25	169.87	171.11	170.64	169.79	168.96
29	170.19	170.81	170.77	172.14	---	170.71	170.21	169.85	171.10	170.62	169.76	168.97
30	170.18	170.84	170.66	173.72	---	170.76	170.17	169.88	171.08	170.61	---	168.92
31	170.16	---	170.80	173.36	---	170.83	---	169.93	---	170.60	---	---
MAX	170.33	171.01	---	173.72	172.43	171.26	---	170.21	171.15	171.04	---	---
MIN	169.75	170.14	---	170.36	170.45	170.38	---	169.85	169.95	170.60	---	---

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 1998 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	TRANS- PAR- ENCY (SECCHI DISK) (M)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
		(US/CM) (00095)	(00400)	(00010)	(00080)	(00076)	(00078)	(00300)	(00340)	(00310)
NOV 20...	0910	103	6.22	14.9	70	13	.55	2.5	20	--
FEB 19...	0950	101	6.32	12.8	70	3.2	.90	5.4	33	2.3
DATE	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)	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)
	NOV 20...	K15	K19	13	25	5.6	2.7	9.3	2.4	13
FEB 19...	K36	K4	16	24	5.3	2.5	9.6	1.9	10	13
DATE	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)	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 AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
	NOV 20...	<.10	8.2	87	62	3	<.01	<.01	2.0	.02
FEB 19...	<.10	1.3	72	53	9	<.01	<.01	<.02	<.02	.02
DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	
	NOV 20...	<.01	1.0	.64	.05	.02	.04	.01	13	13
FEB 19...	.014	.78	.43	.07	.04	.04	.02	11	10	

< 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 1998 TO SEPTEMBER 1999

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)
NOV 20...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	1.5	<1.0	2.2	1.0	1100	372
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)
NOV 20...	<1	<1	190	160	<.1	<.1	3.5	1.3	<1.0	<1.0	4.1	3.1
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)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	
NOV 20...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	
DATE	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)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)		
NOV 20...	<.01	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01		
DATE	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)	DI- AZINON, TOTAL (UG/L) (39570)		
NOV 20...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.01	<.01		
DATE	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)		
NOV 20... FEB 19...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.010	1.8	<.10		
	--	--	--	--	--	--	--	--	3	.15		

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

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 1998 TO SEPTEMBER 1999

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)	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)		
		NOV 20... FEB 19...	0830	91	6.11	14.5	70	12	.55	2.1	40	--
DATE		0824	182	6.29	13.0	60	2.2	.80	5.8	30	2.5	
	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)	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)		
	NOV 20... FEB 19...	K9	K8	14	21	4.6	2.2	8.8	2.2	11	11	
	K18	K3	24	40	8.6	4.4	19	2.1	18	26		
DATE	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 AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)		
NOV 20... FEB 19...	<.10	7.2	--	56	8	.01	<.01	<.02	<.02	.07		
	<.10	3.0	117	96	7	<.01	<.01	<.02	<.02	.03		
DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)			
NOV 20... FEB 19...	.05	.97	.68	.14	.05	.02	<.01	15	14			
	<.01	.69	.42	.09	.03	.03	.02	12	9.9			
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)
NOV 20...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.8	1.1	1400	594

< 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 1998 TO SEPTEMBER 1999

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 RECOV- ERABLE (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)
NOV 20...	<1	<1	240	170	<.1	<.1	3.1	1.8	<1.0	<1.0	7.8	4.3
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)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	
NOV 20...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	
DATE	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)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)		
NOV 20...	<.01	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01		
DATE	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)	DI- AZINON, TOTAL (UG/L) (39570)		
NOV 20...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.01	<.01		
DATE	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)				
NOV 20...	<.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)									
NOV 20...		1.6	<.1									
FEB 19...		1	<.1									

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

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 1998 TO SEPTEMBER 1999

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)	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)		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)
NOV 20...	0930	152	6.73	15.6	70	11	.55	7.9	27	--	
FEB 19...	0930	133	6.71	13.2	70	8.0	.60	7.4	27	2.9	
DATE		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)	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)
	NOV 20...	41	K17	22	35	8.0	3.6	15	2.4	17	20
FEB 19...	K10	K4	19	27	6.2	2.9	13	1.8	15	14	
DATE		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)	RESIDUE TOTAL AT 105 DEG C, SUS-PENDED (MG/L) (00530)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	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)
	NOV 20...	<.10	6.5	112	86	2	.01	<.01	.06	.05	.14
FEB 19...	<.10	6.3	87	71	4	<.01	<.01	<.02	<.02	.05	
DATE		NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	
	NOV 20...	.04	1.0	.69	.07	.05	.02	<.01	16	13	
FEB 19...	.02	.84	.49	.06	.04	.04	.02	11	9.7		

< 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 1998 TO SEPTEMBER 1999

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)
NOV 20...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	1.6	<1.0	1.6	1.5	827	247
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)
NOV 20...	<1	<1	53	35	<.1	<.1	3.1	1.6	<1.0	<1.0	2.8	1.7
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)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	
NOV 20...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	
DATE	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)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)		
NOV 20...	<.01	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01		
DATE	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)	DI- AZINON, TOTAL (UG/L) (39570)		
NOV 20...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.01	<.01		
DATE	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)		
NOV 20... FEB 19...	<.01 --	<.01 --	<.01 --	<.01 --	<.01 --	<.01 --	<.01 --	<.010 --	12 3.4	E.2 .19		

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

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 1998 TO SEPTEMBER 1999

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)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV 20...	0800	184	6.36	15.0	50	7.9	.60	4.4	<10	K24
FEB 18...	1635	109	6.76	14.7	70	--	.45	8.0	--	K18
DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	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)
NOV 20...	K25	32	42	9.8	4.3	17	3.0	15	24	<.10
FEB 18...	K2	17	--	--	--	--	--	--	--	--
DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITU- ENTS, 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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	
NOV 20...	5.7	122	99	4	<.01	<.01	.03	.03	.10	
FEB 18...	--	--	--	--	<.01	<.01	<.02	<.02	.01	
DATE	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- TOTAL (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...	.05	.96	.71	.08	.04	.03	.01	14	11	
FEB 18...	<.01	.67	.43	.08	.05	.03	.02	--	--	

< 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 1998 TO SEPTEMBER 1999

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)
NOV 20...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.7	1.1	818	227
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)
NOV 20...	<1	<1	220	200	<.1	<.1	2.2	1.2	<1.0	<1.0	4.7	--
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)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	
NOV 20...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	
DATE	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)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)		
NOV 20...	<.01	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01		
DATE	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)	DI- AZINON, TOTAL (UG/L) (39570)		
NOV 20...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.01	.01		
DATE	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)		
NOV 20...	<.01	.05	<.01	<.01	<.01	<.01	<.01	<.010	3.9	.12		

< 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 1998 TO SEPTEMBER 1999

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)	OXYGEN, DISSOLVED (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)	ANCA WATER UNFLTRD FET FIELD (MG/L AS CACO3) (00410)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
NOV 20...	1015	283	7.24	15.5	15	4.6	.60	9.0	21	--
FEB 19...	1000	91	6.82	13.9	70	8.1	.40	9.2	40	6.4
DATE										
NOV 20...	38	K18	46	68	16	6.9	27	2.7	24	41
FEB 19...	K8	K10	14	23	5.3	2.3	8.1	2.0	9.6	10
DATE										
NOV 20...	.12	5.6	173	151	7	<.01	<.01	<.02	<.02	.06
FEB 19...	<.10	4.7	70	50	11	<.01	<.01	<.02	<.02	.04
DATE										
NOV 20...	.02	.98	.59	.05	.03	<.01	<.01	12	8.9	
FEB 19...	.011	.80	.44	.06	.03	.03	.02	--	9.2	

< 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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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 (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)
NOV 20...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	1.4	<1.0	2.1	<1.0	528
DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	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)
NOV 20...	66	<1	<1	100	1.5	<.1	<.1	2.1	1.1	<1.0	<1.0
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DISUL- FOTON UNFILTR RECOVER (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	PCNS UNFILTR RECOVER (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)
NOV 20...	1.6	<1.0	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01
DATE	CHLOR- DANE TECH- NICAL TOTAL (UG/L) (39350)	P,P'- DDD UNFILTR RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILTR 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)
NOV 20...	<.1	<.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)	
NOV 20...	<.01	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
NOV 20...	<.01	<.01	.011	<.01	<.01	<.01	<.01	<.01	<.010	15	.53
FEB 19...	--	--	--	--	--	--	--	--	--	10	.4

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

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 1998 TO SEPTEMBER 1999

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)	OXYGEN, DISSOLVED (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)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV 19...	1730	286	7.24	15.5	10	4.8	.60	8.6	20	2.2	
FEB 18...	1550	86	6.83	14.6	60	7.7	.30	9.2	--	--	
DATE		FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV 19...	36	K24	46	69	16	7.1	28	2.7	25	42	
FEB 18...	K24	K8	15	21	4.8	2.1	7.0	1.7	9.2	9.4	
DATE		NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	
NOV 19...	.02	.90	.66	.05	.03	<.01	<.01	11	8.4		
FEB 18...	<.01	.77	.41	.07	.04	.03	.02	--	--		

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 1998 TO SEPTEMBER 19991

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)
NOV 19...	<1.0	<1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	3.6	<1.0	456	72
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)
NOV 19...	<1	<1	81	2.6	<.1	<.1	1.4	<1.0	<1.0	<1.0	5.7	3.4
DATE	AROCOR 1016 PCB TOTAL (UG/L) (34671)	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)			
NOV 19...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	13	.7			

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

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 1998 TO SEPTEMBER 1999

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)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	
NOV 19...	1710	297	6.89	16.2	10	4.8	.60	9.9	<10	2.3	
FEB 18...	1530	88	6.95	15.3	70	7.4	.35	9.7	30	--	
DATE		COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ANCA WATER UNFLTRD FET FIELD (MG/L AS CACO3) (00410)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV 19...	K44	K12	48	71	17	7.0	27	2.7	24	40	
FEB 18...	K7	K4	16	23	5.5	2.2	7.7	1.9	9.3	9.6	
DATE		FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV 19...	.12	4.8	173	151	7	<.01	<.01	<.02	<.02	.08	
FEB 18...	<.10	4.7	68	51	11	<.01	<.01	<.02	<.02	.07	
DATE		NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	
NOV 19...	.014	--	.37	.06	.02	<.01	<.01	10	7.9		
FEB 18...	<.01	.83	.47	.07	.04	.03	.02	11	9.3		

< 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
323150093515601 CROSS LAKE AT JOHNSON'S ARM AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)
NOV 19...	<1.0	1.1	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	376	55
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)
NOV 19...	2	<1	80	1.5	<.1	<.1	1.2	<1.0	<1.0	<1.0	2.8	3.0
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)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	
NOV 19...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	
DATE	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)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)		
NOV 19...	<.01	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01		
DATE	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)	DI- AZINON, TOTAL (UG/L) (39570)		
NOV 19...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.01	E.008		
DATE	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)		
NOV 19... FEB 18...	<.01	.012	<.01	<.01	<.01	<.01	<.01	<.010	11	E.2		
	--	--	--	--	--	--	--	--	5.7	.18		

< 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 1998 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN	OXYGEN		
			WATER WHOLE FIELD (STAND- ARD UNITS) (00400)						DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	DEMAND, BIO- CHEM- ICAL, 5DAY (MG/L) (00310)		
NOV 19...	1030	340	6.63	15.4	0	3.6	.60	8.5	<10	3.2		
FEB 18...	1345	92	6.52	14.8	70	8.1	.78	9.7	--	--		
DATE	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)	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)		
	NOV 19...	47	K32	61	82	19	8.3	32	2.8	30	48	
FEB 18...	K24	K7	15	23	5.4	2.4	8.0	1.9	9.9	10		
DATE	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- PENDE D (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 DIS- SOLVED 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)		
	NOV 19...	.14	5.2	207	182	7	<.01	<.01	<.02	<.02	.07	
FEB 18...	<.10	4.8	71	52	10	<.01	<.01	.04	.04	.02		
DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)			
	NOV 19...	.01	.86	.59	.06	.03	<.01	<.01	8.9	6.8		
FEB 18...	<.01	.65	.40	.08	.04	.02	.02	--	--			
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)
	NOV 19...	<1.0	1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	290

< 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
322931093503001 CROSS LAKE AT HATCHER'S ARM AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)
NOV 19...	<1.0	1.0	<.5	<.5	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	290	8.4
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	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)
NOV 19...	<1	<1	150	2.7	<.1	<.1	1.1	<1.0	<1.0	<1.0	8.4	2.3
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)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	
NOV 19...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	
DATE	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)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)		
NOV 19...	<.01	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01		
DATE	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)	DI- AZINON, TOTAL (UG/L) (39570)		
NOV 19...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.01	<.01		
DATE	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)		
NOV 19...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.010	18	E.5		
FEB 18...	--	--	--	--	--	--	--	--	5.3	.35		

< 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 1998 TO SEPTEMBER 1999

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)	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)	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)
NOV 19...	1605	355	8.42	16.2	.0	.94	.55	10.8	<10	3.1
FEB 18...	1500	99	6.9	14.4	60	7.8	.40	9.5	26	--
DATE										
NOV 19...	K11	K1	60	88	21	8.6	34	2.8	30	51
FEB 18...	K7	K3	16	25	5.9	2.6	8.7	2.0	10	11
DATE										
NOV 19...	.15	5.0	206	189	4	.01	<.01	<.02	<.02	.03
FEB 18...	<.10	4.6	72	55	2	<.01	<.01	.02	.02	.02
DATE										
NOV 19...	.013	.87	.42	.04	.02	<.01	<.01	9	6.6	
FEB 18...	<.01	.78	.39	.06	.04	.03	.02	12	8.7	

< 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
323030093490101 CROSS LAKE AT WILLOW POINT AT SHREVEPORT, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)
NOV 19...	<1.0	1.3	<.5	<.5	<1.0	<1.0	<1.0	<1.0	1.4	1.2	111	1.3
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)
NOV 19...	<1	<1	110	.2	<.1	<.1	1.2	<1.0	<1.0	<1.0	2.8	2.9
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)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	
NOV 19...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	
DATE	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)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)		
NOV 19...	<.01	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01		
DATE	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)	DI- AZINON, TOTAL (UG/L) (39570)		
NOV 19...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.01	<.01		
DATE	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)		
NOV 19... FEB 18...	<.01	.012	<.01	<.01	<.01	<.01	<.01	<.010	16	E.20		
	--	--	--	--	--	--	--	--	8.6	.56		

< 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 1998 TO SEPTEMBER 1999

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)	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)
NOV 19...	1540	355	7.80	16.2	0	2.5	.65	10.3	15	3.9
FEB 18...	1425	104	6.83	14.1	60	6.9	.35	9.1	30	--
DATE	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)	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)
NOV 19...	K20	K2	58	84	20	8.3	33	2.8	30	50
FEB 18...	K8	K3	17	26	6.0	2.6	9.2	1.9	11	12
DATE	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)	RESIDUE TOTAL AT 105 DEG C, SUS- PENDE (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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV 19...	.15	4.9	204	184	4	<.01	<.01	<.02	<.02	.06
FEB 18...	<.10	4.8	76	58	11	<.01	<.01	.04	.03	.02
DATE	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- TOTAL (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 19...	.016	.60	.31	.05	.02	<.01	<.01	8.4	6.4	
FEB 18...	.012	.65	.43	.06	.04	.02	.02	11	8.7	

< 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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	ARSENIC TOTAL	ARSENIC DIS- SOLVED	BERYL- LIUM, TOTAL RECOV- ERABLE	BERYL- LIUM, DIS- SOLVED	CADMIUM WATER UNFLTRD TOTAL	CADMIUM DIS- SOLVED	CHRO- MIUM, TOTAL RECOV- ERABLE	CHRO- MIUM, DIS- SOLVED	COPPER, TOTAL RECOV- ERABLE	COPPER, DIS- SOLVED	IRON, TOTAL RECOV- ERABLE	IRON, DIS-
SOLVED DATE	(UG/L AS AS) (01002)	(UG/L AS AS) (01000)	(UG/L AS BE) (01012)	(UG/L AS BE) (01010)	(UG/L AS CD) (01027)	(UG/L AS CD) (01025)	(UG/L AS CR) (01034)	(UG/L AS CR) (01030)	(UG/L AS CU) (01042)	(UG/L AS CU) (01040)	(UG/L AS FE) (01045)	(UG/L AS FE)
(01046)												
NOV 19...	<1	1	<.5	<.50	<1	<1.0	<1	3.6	2	1.8	120	2.2
	LEAD, TOTAL RECOV- ERABLE	LEAD, DIS- SOLVED	MANGA- NESE, TOTAL RECOV- ERABLE	MANGA- NESE, DIS- SOLVED	MERCURY TOTAL RECOV- ERABLE	MERCURY DIS- SOLVED	NICKEL, TOTAL RECOV- ERABLE	NICKEL, DIS- SOLVED	SELE- NIUM, TOTAL	SELE- NIUM, DIS- SOLVED	ZINC, TOTAL RECOV- ERABLE	ZINC, DIS-
SOLVED DATE	(UG/L AS PB)	(UG/L AS PB)	(UG/L AS MN)	(UG/L AS MN)	(UG/L AS HG)	(UG/L AS HG)	(UG/L AS NI)	(UG/L AS NI)	(UG/L AS SE)	(UG/L AS SE)	(UG/L AS ZN)	(UG/L AS
ZN)												
(01090)	(01051)	(01049)	(01055)	(01056)	(71900)	(71890)	(01067)	(01065)	(01147)	(01145)	(01092)	
NOV 19...	<1	<1	120	.4	<1	<1	<1.0	<1.0	<1.0	<1.0	11	7.0
	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)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	
NOV 19...	<.1	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	
	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)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)		
NOV 19...	<.01	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01		
	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)	DI- AZINON, TOTAL (UG/L) (39570)		
NOV 19...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.02	<.01	<.01		
	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)		
NOV 19...	<.01	.01	<.01	<.01	<.01	<.01	<.01	<.01	15.0	E.53		
FEB 18...	--	--	--	--	--	--	--	--	7.2	.50		

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

E Estimated.

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. Records good above 200 ft³/s, fair below, except for discharges less than 50 ft³/s and estimated 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)
Feb. 1	0030	*12,800	*16.96	Apr. 7	1330	7,580	15.56

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	13	117	780	12600	194	366	427	118	199	2.3	1.8
2	6.2	18	121	1460	11600	201	385	463	66	118	2.3	2.1
3	13	16	126	1720	8810	256	493	459	59	77	2.2	2.2
4	13	14	150	1890	5470	211	1340	409	81	49	2.3	2.5
5	9.3	14	156	2110	3370	193	1960	292	90	32	2.3	2.2
6	51	14	150	2130	2400	183	3570	241	78	23	2.3	2.0
7	108	16	202	2030	1950	166	7190	332	61	16	2.4	2.0
8	78	32	348	1860	1680	153	6190	410	48	12	2.4	2.0
9	131	35	380	1730	1440	157	4210	434	37	11	2.5	2.6
10	170	43	565	1580	1200	149	3020	366	28	8.4	2.3	2.0
11	137	81	1090	1360	992	145	2220	239	22	8.5	2.3	1.6
12	104	113	1370	1090	808	226	1800	169	18	11	2.2	1.4
13	91	275	1490	815	666	1510	1480	136	25	8.1	2.4	1.4
14	75	382	1540	592	583	2030	1170	116	32	6.3	2.6	1.8
15	51	390	1590	484	542	2640	860	106	39	5.6	2.5	1.5
16	32	350	1600	426	501	2900	589	96	41	6.4	2.4	1.3
17	24	306	1500	382	442	2650	534	90	37	13	2.4	1.2
18	25	250	1310	340	393	2790	606	119	36	12	2.3	1.2
19	32	193	1190	309	357	2420	686	113	32	9.5	2.3	1.1
20	25	146	1010	288	325	1970	720	87	27	7.7	2.2	1.1
21	28	121	816	270	298	1650	696	83	22	7.5	2.3	1.1
22	35	105	738	340	275	1320	624	86	19	5.2	2.1	1.1
23	34	99	707	504	256	995	492	72	43	4.2	1.9	1.0
24	31	e110	696	622	239	691	332	58	36	3.8	1.8	1.1
25	28	e100	678	794	227	540	222	46	386	3.4	1.8	1.1
26	25	e95	692	966	218	472	181	39	648	6.2	1.7	.99
27	21	e90	757	1100	208	429	175	34	999	4.5	2.4	.95
28	19	e86	815	1200	200	429	169	29	739	3.2	3.1	.93
29	15	e82	831	2680	---	418	242	30	452	2.7	2.2	1.0
30	13	81	817	6550	---	387	349	174	316	2.5	2.2	1.1
31	13	---	774	11900	---	371	---	192	---	2.4	1.9	---
TOTAL	1444.0	3670	24326	50302	58050	28846	42871	5947	4635	679.1	70.3	45.37
MEAN	46.6	122	785	1623	2073	931	1429	192	154	21.9	2.27	1.51
MAX	170	390	1600	11900	12600	2900	7190	463	999	199	3.1	2.6
MIN	6.2	13	117	270	200	145	169	29	18	2.4	1.7	.93
AC-FT	2860	7280	48250	99770	115100	57220	85030	11800	9190	1350	139	90
CFSM	.08	.20	1.30	2.68	3.43	1.54	2.36	.32	.26	.04	.00	.00
IN.	.09	.23	1.50	3.09	3.57	1.77	2.64	.37	.28	.04	.00	.00

e Estimated

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1999, BY WATER YEAR (WY)

MEAN	122	273	765	976	1208	1172	1230	766	395	194	64.8	102
MAX	1569	1351	3223	3061	3188	3586	4646	3707	3262	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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1958 - 1999		
ANNUAL TOTAL	273185.8			220885.77					
ANNUAL MEAN	748			605			602		
HIGHEST ANNUAL MEAN							1551		
LOWEST ANNUAL MEAN							129		
HIGHEST DAILY MEAN	8110			Feb 14			12600		
LOWEST DAILY MEAN	1.2			Jun 30			Feb 1		
ANNUAL SEVEN-DAY MINIMUM	1.3			Jun 26			Sep 28		
INSTANTANEOUS PEAK FLOW							1.0		
INSTANTANEOUS PEAK STAGE							Sep 23		
INSTANTANEOUS LOW FLOW							Feb 1		
INSTANTANEOUS LOW STAGE							Feb 1		
ANNUAL RUNOFF (AC-FT)	541900			438100			36700		
ANNUAL RUNOFF (CFSM)	1.24			1.00			22.79		
ANNUAL RUNOFF (INCHES)	16.80			13.58			a.00		
10 PERCENT EXCEEDS	2510			1580			Oct 10		
50 PERCENT EXCEEDS	117			121			Apr 6		
90 PERCENT EXCEEDS	7.6			2.2			Apr 28		

a Also occurred Oct 11-14, 1957.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.35	4.62	6.51	10.69	16.91	7.26	8.73	9.14	6.32	7.42	3.99	4.12
2	4.33	4.78	6.56	12.26	16.64	7.33	8.86	9.37	5.58	6.52	3.99	4.17
3	4.60	4.72	6.64	12.72	15.89	7.84	9.44	9.34	5.46	5.93	3.99	4.18
4	4.61	4.65	6.94	12.95	14.96	7.43	12.06	9.02	5.80	5.47	4.01	4.22
5	4.49	4.65	7.00	13.26	14.15	7.24	13.05	8.14	5.92	5.12	4.02	4.21
6	5.36	4.67	6.93	13.28	13.50	7.15	14.17	7.70	5.76	4.89	4.03	4.18
7	6.38	4.73	7.44	13.15	13.05	6.96	15.45	8.47	5.50	4.73	4.04	4.18
8	5.95	5.13	8.62	12.92	12.65	6.80	15.17	9.03	5.27	4.61	4.05	4.19
9	6.68	5.18	8.84	12.73	12.25	6.84	14.56	9.18	5.05	4.55	4.08	4.27
10	7.16	5.34	9.76	12.49	11.79	6.75	13.94	8.72	4.84	4.45	4.05	4.20
11	6.78	5.99	11.53	12.11	11.28	6.70	13.34	7.69	4.68	4.45	4.05	4.15
12	6.31	6.43	12.13	11.53	10.78	7.44	12.83	6.99	4.58	4.55	4.06	4.13
13	6.12	8.07	12.35	10.79	10.33	12.25	12.33	6.58	4.76	4.43	4.08	4.13
14	5.91	8.85	12.43	10.04	10.02	13.14	11.70	6.31	4.94	4.33	4.11	4.19
15	5.51	8.91	12.50	9.49	9.82	13.68	10.92	6.15	5.09	4.29	4.11	4.15
16	5.12	8.64	12.52	9.14	9.59	13.87	10.03	6.01	5.14	4.34	4.11	4.13
17	4.92	8.32	12.36	8.84	9.24	13.69	9.78	5.93	5.04	4.64	4.11	4.12
18	4.95	7.89	12.02	8.54	8.91	13.79	10.11	6.35	5.02	4.61	4.11	4.10
19	5.12	7.38	11.77	8.29	8.66	13.52	10.39	6.26	4.93	4.50	4.11	4.09
20	4.94	6.89	11.34	8.12	8.42	13.07	10.51	5.88	4.80	4.41	4.11	4.09
21	5.02	6.57	10.80	7.97	8.20	12.59	10.43	5.83	4.68	4.40	4.12	4.08
22	5.19	6.34	10.57	8.50	8.01	12.03	10.18	5.88	4.60	4.26	4.10	4.07
23	5.16	6.24	10.47	9.60	7.85	11.29	9.53	5.67	5.17	4.19	4.08	4.07
24	5.10	---	10.43	10.16	7.69	10.40	8.46	5.45	5.00	4.15	4.07	4.09
25	5.03	---	10.37	10.73	7.58	9.81	7.53	5.24	8.77	4.12	4.08	4.09
26	4.94	---	10.41	11.22	7.49	9.42	7.12	5.08	10.14	4.32	4.07	4.07
27	4.84	---	10.62	11.55	7.40	9.16	7.05	4.97	11.30	4.21	4.16	4.05
28	4.79	---	10.80	11.78	7.32	9.15	6.99	4.85	10.55	4.09	4.25	4.05
29	4.70	---	10.85	13.58	---	9.08	7.71	4.87	9.28	4.04	4.16	4.10
30	4.64	5.99	10.81	15.26	---	8.88	8.60	7.01	8.40	4.02	4.15	4.13
31	4.63	---	10.68	16.73	---	8.76	---	7.23	---	4.00	4.13	---
MAX	7.16	---	12.52	16.73	16.91	13.87	15.45	9.37	11.30	7.42	4.25	4.27
MIN	4.33	---	6.51	7.97	7.32	6.70	6.99	4.85	4.58	4.00	3.99	4.05

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, 17,500 ft³/s, Jan. 31, gage height, 21.02 ft; minimum gage height 6.31 ft, Sep. 28.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.24	7.30	7.56	10.06	20.98	7.72	8.68	7.55	7.70	12.66	7.13	6.53
2	7.23	7.36	7.58	12.33	20.74	7.73	8.59	7.56	7.95	11.77	7.09	6.53
3	7.34	7.34	7.57	13.49	20.32	7.75	8.76	7.63	7.96	10.18	7.06	6.55
4	7.35	7.31	7.58	14.64	19.70	7.85	11.75	7.75	7.79	8.56	7.05	6.56
5	7.33	7.28	7.59	15.24	18.82	8.09	17.20	8.03	7.63	7.97	7.03	6.54
6	7.51	7.27	7.59	14.97	17.66	8.24	19.92	8.16	7.51	7.75	7.01	6.53
7	7.69	7.28	7.57	14.47	16.42	8.10	19.33	8.06	7.45	7.62	7.00	6.54
8	7.63	7.32	8.07	13.96	15.30	7.97	18.18	7.89	7.41	7.57	6.99	6.61
9	7.56	7.35	8.37	13.50	14.40	7.89	17.39	7.77	7.37	7.51	6.97	6.60
10	7.52	7.38	8.67	13.06	13.65	7.82	16.95	7.76	7.37	7.46	6.96	6.60
11	7.48	7.34	9.91	12.63	12.95	7.84	16.29	7.78	7.35	7.48	6.93	6.58
12	7.44	7.40	11.16	12.20	12.28	8.06	15.44	7.82	7.34	7.53	6.92	6.57
13	7.42	7.80	11.83	11.73	11.51	9.36	14.61	7.75	7.34	7.50	6.89	6.53
14	7.40	8.40	12.17	11.19	10.73	10.72	13.88	7.62	7.32	7.45	6.83	6.52
15	7.38	8.63	12.40	10.62	10.03	11.34	13.24	7.55	7.29	7.41	6.81	6.49
16	7.39	8.62	12.46	10.02	9.50	11.97	12.54	7.49	7.27	7.37	6.79	6.48
17	7.41	8.53	12.27	9.40	9.10	12.89	11.74	7.45	7.24	7.34	6.77	6.46
18	7.38	8.34	11.87	8.85	8.82	13.70	10.79	7.43	7.23	7.31	6.76	6.45
19	7.34	8.12	11.58	8.50	8.58	13.98	9.85	7.41	7.22	7.28	6.74	6.44
20	7.34	7.96	11.29	8.30	8.37	13.85	9.14	7.39	7.21	7.27	6.70	6.42
21	7.38	7.83	11.05	8.20	8.21	13.56	8.79	7.39	7.19	7.27	6.69	6.38
22	7.34	7.75	11.02	9.31	8.08	13.23	8.64	7.37	7.21	7.26	6.67	6.37
23	7.32	7.68	11.24	10.12	7.99	12.86	8.54	7.35	7.27	7.24	6.67	6.37
24	7.32	7.61	11.60	9.87	7.90	12.40	8.45	7.33	7.33	7.22	6.65	6.37
25	7.30	7.58	11.75	9.78	7.85	11.85	8.31	7.32	8.05	7.22	6.62	6.35
26	7.29	7.52	11.72	9.83	7.81	11.11	8.16	7.30	8.24	7.24	6.60	6.34
27	7.29	7.49	11.59	9.76	7.81	10.32	7.97	7.27	9.98	7.22	6.60	6.33
28	7.28	7.47	11.31	9.92	7.75	9.65	7.79	7.27	11.18	7.21	6.60	6.34
29	7.28	7.47	10.91	14.88	---	9.21	7.66	7.26	12.37	7.19	6.58	6.41
30	7.28	7.53	10.47	19.16	---	8.97	7.58	7.29	12.90	7.18	6.56	6.42
31	7.27	---	10.11	20.81	---	8.82	---	7.39	---	7.16	6.54	---
MAX	7.69	8.63	12.46	20.81	20.98	13.98	19.92	8.16	12.90	12.66	7.13	6.61
MIN	7.23	7.27	7.56	8.20	7.75	7.72	7.58	7.26	7.19	7.16	6.54	6.33

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, 15.48 ft, Feb. 1; minimum, 10.09 ft, Sep. 28.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.03	11.07	11.26	11.83	15.46	11.29	11.60	11.24	11.12	11.91	10.91	10.33
2	11.00	11.12	11.25	12.50	15.44	11.30	11.56	11.21	11.17	11.92	10.91	10.34
3	11.06	11.11	11.24	12.68	15.32	11.31	11.59	11.20	11.22	11.87	10.88	10.34
4	11.08	11.12	11.23	12.58	15.11	11.27	12.15	11.19	11.23	11.74	10.86	10.33
5	11.07	11.10	11.24	12.48	14.81	11.27	13.52	11.28	11.22	11.58	10.84	10.33
6	11.15	11.07	11.22	12.47	14.43	11.36	14.34	11.34	11.21	11.46	10.82	10.32
7	11.25	11.07	11.32	12.40	13.99	11.38	14.64	11.34	11.18	11.37	10.79	10.33
8	11.25	11.11	11.56	12.33	13.47	11.32	14.54	11.33	11.16	11.31	10.76	10.40
9	11.23	11.09	11.60	12.29	12.96	11.38	14.26	11.30	11.14	11.25	10.74	10.42
10	11.21	11.12	11.66	12.19	12.57	11.36	13.90	11.28	11.14	11.21	10.72	10.39
11	11.19	11.14	11.82	12.10	12.34	11.37	13.53	11.28	11.12	11.23	10.70	10.37
12	11.18	11.16	12.04	12.03	12.21	11.42	13.13	11.30	11.11	11.26	10.67	10.36
13	11.17	11.30	12.13	12.01	12.07	11.72	12.76	11.30	11.12	11.22	10.66	10.37
14	11.15	11.52	12.13	11.95	11.94	11.94	12.49	11.26	11.13	11.19	10.66	10.35
15	11.13	11.64	12.09	11.86	11.83	12.01	12.32	11.22	11.11	11.16	10.63	10.32
16	11.13	11.63	12.04	11.78	11.75	12.02	12.18	11.20	11.08	11.14	10.59	10.29
17	11.15	11.60	12.01	11.71	11.70	12.03	12.06	11.18	11.07	11.12	10.57	10.28
18	11.15	11.54	11.96	11.66	11.61	12.06	11.95	11.21	11.04	11.09	10.55	10.25
19	11.16	11.49	11.99	11.57	11.56	12.10	11.83	11.18	11.01	11.07	10.54	10.23
20	11.17	11.47	11.96	11.50	11.51	12.14	11.72	11.15	11.00	11.04	10.54	10.23
21	11.18	11.41	11.91	11.43	11.48	12.15	11.60	11.12	10.99	11.03	10.50	10.24
22	11.17	11.35	11.91	11.93	11.41	12.12	11.54	11.11	10.99	11.04	10.47	10.19
23	11.12	11.32	11.90	12.26	11.38	12.09	11.53	11.11	11.02	11.02	10.44	10.16
24	11.10	11.29	11.97	12.16	11.36	12.08	11.49	11.12	11.05	11.01	10.43	10.14
25	11.09	11.26	11.97	12.02	11.33	12.08	11.46	11.08	11.33	11.01	10.42	10.13
26	11.08	11.25	11.97	11.88	11.31	11.99	11.42	11.08	11.55	11.03	10.40	10.12
27	11.07	11.23	11.96	11.80	11.31	11.89	11.42	11.08	11.66	11.01	10.41	10.11
28	11.06	11.21	11.95	11.85	11.32	11.81	11.38	11.05	11.73	10.99	10.41	10.13
29	11.05	11.18	11.91	13.50	---	11.77	11.35	11.04	11.81	10.97	10.40	10.24
30	11.06	11.23	11.85	14.85	---	11.71	11.30	11.05	11.87	10.95	10.38	10.22
31	11.05	---	11.80	15.33	---	11.66	---	11.08	---	10.93	10.36	---
MAX	11.25	11.64	12.13	15.33	15.46	12.15	14.64	11.34	11.87	11.92	10.91	10.42
MIN	11.00	11.07	11.22	11.43	11.31	11.27	11.30	11.04	10.99	10.93	10.36	10.11

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, 6,100 ft/s, Feb. 1, gage height, 19.16 ft; minimum gage height, 2.43 ft, Oct. 2.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.46	3.66	5.50	11.40	19.05	7.51	9.16	7.06	6.96	8.15	3.21	3.12
2	2.44	3.69	6.08	13.29	18.49	7.46	8.95	5.60	7.30	5.62	3.19	3.12
3	2.79	3.65	6.38	14.12	18.11	7.82	9.29	4.45	6.93	4.52	3.17	3.16
4	3.30	3.81	6.31	14.64	18.01	7.61	10.98	5.04	6.23	4.18	3.17	3.24
5	3.07	3.78	6.15	14.64	17.74	7.33	12.79	6.11	5.44	4.01	3.15	3.31
6	3.74	3.70	6.04	14.36	17.19	6.86	14.07	6.97	4.80	3.91	3.15	3.21
7	4.81	3.58	6.41	13.93	16.55	6.53	14.78	7.41	4.44	3.85	3.15	3.21
8	4.74	3.53	7.48	13.51	15.93	6.40	14.66	7.17	4.25	3.80	3.14	3.26
9	4.74	3.81	8.62	13.33	15.38	6.39	14.21	6.60	4.09	3.85	3.14	3.26
10	4.21	4.29	10.32	13.39	14.88	6.27	13.64	6.07	3.98	4.01	3.14	3.23
11	3.51	4.58	12.42	13.40	14.33	6.20	13.16	5.74	3.92	4.18	3.15	3.18
12	3.04	5.71	14.21	13.23	13.66	6.45	12.78	5.77	4.25	4.32	3.15	3.16
13	2.79	7.08	15.02	12.90	12.97	11.11	12.46	5.76	4.47	4.08	3.14	3.22
14	2.67	8.48	15.12	12.43	12.33	13.43	12.12	5.79	4.07	3.90	3.14	3.25
15	2.79	9.24	14.92	11.94	11.73	13.70	11.74	5.61	3.94	3.78	3.13	3.23
16	3.55	9.52	14.55	11.48	11.18	13.15	11.26	5.36	4.03	3.68	3.11	3.17
17	3.87	9.29	14.09	11.06	10.80	12.30	10.96	5.30	3.95	3.62	3.11	3.16
18	4.02	8.62	13.60	10.74	10.68	13.95	10.60	5.67	3.85	3.58	3.11	3.16
19	4.35	7.80	13.39	10.49	10.61	15.99	10.16	6.14	3.82	3.56	3.12	3.16
20	4.73	7.10	13.18	10.32	10.50	16.43	9.66	6.29	3.77	3.53	3.11	3.17
21	5.00	6.69	13.07	10.18	10.38	16.22	9.22	5.93	3.71	3.49	3.11	3.19
22	4.92	6.58	13.04	10.42	10.23	15.71	8.95	5.43	3.70	3.45	3.11	3.19
23	4.75	6.45	12.81	10.85	10.08	15.07	8.73	5.02	3.91	3.42	3.11	3.21
24	4.61	6.26	12.58	11.10	9.91	14.35	8.60	4.75	3.96	3.39	3.13	3.18
25	4.46	6.11	12.31	11.26	9.78	13.63	8.52	4.59	6.80	3.37	3.14	3.16
26	4.33	5.93	12.09	11.22	9.74	12.85	8.41	4.40	9.30	3.35	3.14	3.17
27	4.25	5.76	11.90	11.08	9.21	12.05	8.31	4.19	11.07	3.35	3.12	3.19
28	4.14	5.66	11.74	11.04	8.19	11.22	8.17	4.10	11.62	3.35	3.15	3.19
29	4.00	5.50	11.59	13.92	---	10.45	7.85	4.05	11.49	3.33	3.20	3.20
30	3.84	5.41	11.45	16.37	---	9.84	7.43	5.36	10.43	3.27	3.16	3.18
31	3.70	---	11.32	18.63	---	9.45	---	5.94	---	3.24	3.14	---
MAX	5.00	9.52	15.12	18.63	19.05	16.43	14.78	7.41	11.62	8.15	3.21	3.31
MIN	2.44	3.53	5.50	10.18	8.19	6.20	7.43	4.05	3.70	3.24	3.11	3.12

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 12.00 ft, Jan. 31; minimum, 7.64 ft, Sep. 30

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.19	8.52	9.65	9.93	11.67	9.65	9.83	9.59	9.62	10.00	9.21	8.47
2	8.17	8.55	9.64	10.51	11.15	9.65	9.82	9.57	9.64	9.87	9.20	8.47
3	8.21	8.54	9.65	10.61	10.76	9.65	9.85	9.56	9.66	9.73	9.17	8.48
4	8.23	8.54	9.65	10.65	10.52	9.63	10.18	9.56	9.64	9.71	9.14	8.47
5	8.20	8.53	9.65	10.57	10.33	9.66	11.24	9.64	9.61	9.65	9.11	8.46
6	8.28	8.52	9.63	10.44	10.19	9.70	11.28	9.68	9.60	9.65	9.09	8.44
7	8.30	8.52	9.68	10.31	10.10	9.68	11.06	9.67	9.57	9.63	9.07	8.48
8	8.30	8.55	9.77	10.19	10.03	9.66	10.78	9.65	9.55	9.61	9.04	8.63
9	8.32	8.54	9.82	10.10	9.98	9.69	10.56	9.63	9.53	9.53	9.02	8.64
10	8.33	8.57	10.05	10.01	9.93	9.68	10.36	9.64	9.51	9.55	8.99	8.62
11	8.33	8.57	10.26	9.94	9.90	9.71	10.21	9.64	9.50	9.60	8.97	8.59
12	8.33	8.63	10.36	9.89	9.89	9.80	10.07	9.65	9.49	9.59	8.94	8.57
13	8.32	8.84	10.39	9.87	9.84	10.21	9.96	9.64	9.49	9.55	8.92	8.62
14	8.31	9.04	10.38	9.83	9.80	10.56	9.93	9.61	9.51	9.55	8.91	8.61
15	8.30	9.25	10.32	9.80	9.77	10.77	9.94	9.58	9.50	9.53	8.87	8.58
16	8.31	9.44	10.22	9.77	9.76	10.70	9.90	9.57	9.49	9.51	8.83	8.56
17	8.33	9.58	10.12	9.76	9.75	10.52	9.87	9.58	9.48	9.50	8.81	8.53
18	8.37	9.64	10.01	9.74	9.72	10.36	9.82	9.64	9.45	9.50	8.78	8.51
19	8.41	9.66	10.03	9.72	9.71	10.21	9.77	9.64	9.42	9.48	8.76	8.49
20	8.44	9.71	10.01	9.71	9.70	10.10	9.74	9.66	9.41	9.46	8.74	8.48
21	8.50	9.69	10.03	9.69	9.70	10.02	9.70	9.65	9.39	9.43	8.71	8.47
22	8.51	9.68	10.19	9.79	9.67	9.97	9.68	9.63	9.39	9.42	8.68	8.43
23	8.51	9.67	10.21	9.87	9.67	9.93	9.68	9.62	9.49	9.40	8.65	8.41
24	8.51	9.66	10.21	9.91	9.65	9.89	9.68	9.60	9.50	9.39	8.63	8.39
25	8.52	9.65	10.15	9.96	9.65	9.88	9.65	9.57	9.59	9.36	8.62	8.37
26	8.52	9.64	10.10	9.93	9.65	9.85	9.65	9.56	10.38	9.35	8.59	8.36
27	8.52	9.62	10.06	9.89	9.66	9.84	9.65	9.54	10.62	9.33	8.58	8.33
28	8.51	9.61	10.02	9.93	9.66	9.84	9.64	9.52	10.51	9.31	8.57	8.15
29	8.51	9.60	9.99	10.89	---	9.85	9.64	9.50	10.37	9.28	8.56	7.97
30	8.51	9.64	9.94	11.72	---	9.84	9.62	9.54	10.19	9.25	8.54	7.75
31	8.51	---	9.90	11.97	---	9.84	---	9.60	---	9.23	8.50	---
MAX	8.52	9.71	10.39	11.97	11.67	10.77	11.28	9.68	10.62	10.00	9.21	8.64
MIN	8.17	8.52	9.63	9.69	9.65	9.63	9.62	9.50	9.39	9.23	8.50	7.75

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.--Estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	81	519	1990	4970	2570	2110	1980	306	1200	37	22
2	60	68	504	2600	4750	2500	2090	1920	269	1190	35	21
3	55	36	500	2910	4580	2450	2140	1860	239	1160	33	21
4	70	26	491	2890	4430	2400	2550	1800	218	1140	32	21
5	56	20	471	2660	4290	2360	5180	e1760	215	1110	30	21
6	55	14	454	2540	4160	2320	5460	e1720	219	1070	28	20
7	80	12	461	2490	4030	2280	5000	1660	228	1030	27	22
8	99	14	566	2450	3900	2240	4640	1590	234	992	26	72
9	109	18	548	2400	3780	2210	4290	1530	236	934	25	97
10	106	14	739	2360	3660	2160	4020	1460	237	883	25	45
11	103	14	960	2320	3560	2120	3820	1390	227	842	24	37
12	106	16	1230	2300	3460	2100	3650	1320	231	794	23	39
13	111	167	1410	2270	3400	2260	3490	1270	228	739	23	40
14	115	415	1500	2240	3330	2330	3370	1200	210	681	22	38
15	114	524	1530	2200	3270	2480	3290	1110	182	621	21	33
16	110	510	1540	2160	3210	2510	3160	1030	162	556	20	28
17	100	442	1550	2120	3150	2480	3050	973	144	495	e19	25
18	86	388	1570	2100	3090	2440	2940	941	129	434	e19	23
19	76	412	1630	2060	3050	2430	2850	886	116	369	e20	22
20	69	456	1630	2030	3000	2420	2750	830	106	308	e19	21
21	72	488	1640	2000	2940	2370	2670	777	97	246	19	20
22	69	509	1720	2240	2880	2330	2590	725	89	183	19	19
23	68	532	1810	2170	2840	2290	2510	675	108	124	18	19
24	70	544	1900	2070	2790	2260	2440	623	130	83	18	18
25	76	545	1950	2050	2750	2260	2380	573	780	64	18	18
26	83	545	1970	2020	2720	2220	2310	526	702	56	17	18
27	86	533	1980	1990	2670	2190	2230	479	845	52	18	18
28	73	520	1980	2120	2610	2160	2170	435	1120	47	20	18
29	74	508	1960	4580	---	2160	2100	399	1170	45	21	20
30	77	515	1940	5510	---	2140	2040	373	1180	42	22	21
31	90	---	1930	5300	---	2130	---	337	---	39	22	---
TOTAL	2593	8886	40583	79140	97270	71570	93290	34152	10357	17529	720	857
MEAN	83.6	296	1309	2553	3474	2309	3110	1102	345	565	23.2	28.6
MAX	115	545	1980	5510	4970	2570	5460	1980	1180	1200	37	97
MIN	55	12	454	1990	2610	2100	2040	337	89	39	17	18
AC-FT	5140	17630	80500	157000	192900	142000	185000	67740	20540	34770	1430	1700

e Estimated

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA--Continue

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1999, BY WATER YEAR (WY)

MEAN	146	428	995	1511	2001	2113	1877	1281	968	698	252	111
MAX	724	2001	2119	2991	3474	4355	4827	4244	2567	3288	2130	419
(WY)	1985	1985	1992	1988	1999	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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1980 - 1999					
ANNUAL TOTAL	388981.5			456947								
ANNUAL MEAN	1066			1252			1028					
HIGHEST ANNUAL MEAN							2068					
LOWEST ANNUAL MEAN							206					
HIGHEST DAILY MEAN	3610			Mar 19			5510					
LOWEST DAILY MEAN	7.2			Sep 10			12					
ANNUAL SEVEN-DAY MINIMUM	8.5			Sep 4			15					
INSTANTANEOUS PEAK FLOW							5600					
INSTANTANEOUS PEAK STAGE							37.57					
INSTANTANEOUS LOW FLOW							11					
INSTANTANEOUS LOW STAGE							15.52					
ANNUAL RUNOFF (AC-FT)	771500						906400					
10 PERCENT EXCEEDS	2960						2960					
50 PERCENT EXCEEDS	479						702					
90 PERCENT EXCEEDS	20						21					

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.69	16.78	20.60	28.02	36.32	30.16	28.54	27.99	19.04	24.40	16.09	15.78
2	16.47	16.59	20.50	30.26	35.85	29.98	28.44	27.71	18.73	24.39	16.05	15.78
3	16.40	16.07	20.48	31.13	35.46	29.84	28.64	27.45	18.47	24.22	16.02	15.78
4	16.62	15.88	20.41	31.08	35.11	29.68	30.10	27.21	18.27	24.10	15.99	15.76
5	16.41	15.74	20.27	30.43	34.76	29.51	36.70	27.06	18.25	23.95	15.96	15.77
6	16.40	15.61	20.16	30.09	34.47	29.35	37.29	26.86	18.28	23.76	15.93	15.75
7	16.76	15.54	20.20	29.94	34.14	29.20	36.37	26.58	18.36	23.56	15.90	15.79
8	17.01	15.61	20.91	29.84	33.81	29.06	35.58	26.27	18.43	23.36	15.87	16.60
9	17.13	15.70	20.80	29.67	33.50	28.93	34.76	25.95	18.44	23.06	15.86	16.97
10	17.10	15.61	21.94	29.52	33.19	28.73	34.12	25.63	18.45	22.78	15.85	16.23
11	17.05	15.61	23.19	29.37	32.92	28.57	33.62	25.30	18.36	22.56	15.83	16.09
12	17.10	15.64	24.53	29.30	32.65	28.49	33.17	25.01	18.39	22.29	15.82	16.13
13	17.16	17.71	25.41	29.18	32.47	29.11	32.73	24.75	18.37	21.97	15.81	16.16
14	17.20	19.86	25.83	29.04	32.29	29.41	32.40	24.42	18.20	21.63	15.80	16.11
15	17.19	20.63	25.95	28.88	32.11	29.91	32.16	23.98	17.93	21.26	15.77	16.02
16	17.15	20.54	26.04	28.73	31.94	30.01	31.81	23.58	17.73	20.85	15.74	15.92
17	17.02	20.07	26.04	28.60	31.80	29.92	31.51	23.27	17.53	20.44	15.73	15.86
18	16.85	19.68	26.14	28.48	31.64	29.83	31.22	23.10	17.37	20.01	---	15.82
19	16.71	19.86	26.43	28.33	31.53	29.78	30.97	22.80	17.22	19.54	---	15.79
20	16.61	20.17	26.42	28.19	31.39	29.73	30.71	22.49	17.10	19.05	15.72	15.76
21	16.64	20.40	26.48	28.07	31.24	29.55	30.47	22.19	16.98	18.53	15.72	15.74
22	16.61	20.54	26.83	29.04	31.07	29.38	30.23	21.89	16.88	17.93	15.71	15.73
23	16.60	20.69	27.23	28.76	30.94	29.25	30.01	21.59	17.12	17.30	15.71	15.72
24	16.63	20.77	27.65	28.35	30.80	29.14	29.80	21.27	17.33	16.80	15.70	15.71
25	16.71	20.78	27.84	28.29	30.69	29.13	29.57	20.96	22.20	16.54	15.70	15.71
26	16.80	20.78	27.94	28.15	30.62	28.99	29.30	20.65	21.75	16.41	15.68	15.71
27	16.84	20.70	28.00	28.04	30.47	28.84	29.01	20.33	22.57	16.35	15.70	15.71
28	16.67	20.61	27.98	28.50	30.31	28.74	28.77	20.02	24.03	16.27	15.75	15.71
29	16.68	20.53	27.90	35.36	---	28.73	28.52	19.76	24.29	16.23	15.78	15.75
30	16.72	20.58	27.83	37.40	---	28.68	28.25	19.57	24.29	16.18	15.79	15.78
31	16.89	---	27.78	36.99	---	28.64	---	19.29	---	16.13	15.79	---
MAX	17.20	20.78	28.00	37.40	36.32	30.16	37.29	27.99	24.29	24.40	---	16.97
MIN	16.40	15.54	20.16	28.02	30.31	28.49	28.25	19.29	16.88	16.13	---	15.71

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 1998 TO SEPTEMBER 1999

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 28...	1505	294	7.45	--	30	7.5	7.0	26	.7	93	K8
NOV 23...	1035	227	7.19	17.4	30	16	10.4	<10	--	330	90
DEC 29...	1335	174	6.88	7.5	40	12	11.2	18	--	K1100	K64
JAN 25...	1010	267	7.49	14.6	50	12	14.7	<10	7.1	--	K360
FEB 24...	1430	261	7.4	16.4	60	10	10.1	20	2.4	370	K20
MAR 30...	1100	216	7.49	15.8	30	13	8.8	18	.9	350	K36
APR 28...	1510	431	7.6	23.8	20	3.3	7.2	30	2.2	K200	K10
MAY 18...	1015	377	7.83	24.5	60	34	6.9	20	2.6	K83	70
JUL 07...	1155	814	7.76	29.8	20	1.6	9.8	19	3.3	K10	K13
AUG 04...	1025	1240	7.90	31.7	--	2.0	7.3	21	1.1	<2	K2
30...	1135	1150	7.86	30.1	10	4.0	6.5	19	--	35	K3
SEP 29...	1440	1130	7.96	24.9	20	8.9	11.8	20	7.1	<2	K2
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 28...	K17	73	22	4.5	25	3.2	66	35	25	.11	
NOV 23...	20	66	19	4.4	17	2.8	54	22	18	.11	
DEC 29...	92	51	15	3.3	13	2.4	39	18	14	<.10	
JAN 25...	140	74	21	5.3	21	2.9	54	29	23	<.10	
FEB 24...	K16	73	21	4.9	20	2.7	49	31	24	<.10	
MAR 30...	K38	58	17	3.7	17	2.3	46	24	19	<.10	
APR 28...	K11	100	27	8.4	35	2.7	62	61	52	.10	
MAY 18...	890	110	29	8.3	31	2.5	66	53	39	.12	
JUL 07...	K34	190	48	17	90	3.5	77	130	120	.18	
AUG 04...	K4	320	81	28	130	4.5	144	190	190	.2	
30...	K3	280	69	25	130	4.4	112	190	170	.21	
SEP 29...	K11	290	74	25	110	4.0	154	170	160	.23	

< 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 1998 TO SEPTEMBER 1999

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 28...	182	154	18	.02	.22	.06	.53	.10	.05	11
NOV 23...	139	116	17	<.01	.19	.07	.60	.09	.04	9.5
DEC 29...	111	89	48	<.01	.20	.07	.49	.08	.03	9.1
JAN 25...	160	135	37	<.01	.16	.04	.63	.08	.05	9.7
FEB 24...	161	133	26	--	.14	.05	.67	.11	--	9.3
MAR 30...	123	111	33	<.01	.13	.04	.56	.09	E.05	8.8
APR 28...	264	223	21	<.01	.02	.05	.58	.07	E.03	9
MAY 18...	237	202	170	<.01	.33	.06	.71	.15	E.09	6.6
JUL 07...	505	455	22	<.01	.03	.05	.69	.06	E.02	7.2
AUG 04...	734	709	8	<.01	.05	.10	.74	.06	E.03	8.0
SEP 30...	720	656	5	<.01	.06	.12	.79	.06	E.04	8.5
SEP 29...	717	636	14	E.01	.03	.06	.74	.08	E.02	7.1

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 28...	1.4	<.5	<1.0	<1.0	2.3	563	<1	81
JAN 25...	1.3	<.5	<1.0	1.2	2.8	1300	1	55
APR 28...	<1.0	<.5	<1.0	1.2	3.2	714	1	74
AUG 04...	3.3	<4	<1	3.0	2	123	<1	103

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 28...	<.1	2.3	<1.0	7.0	<.01	<4	2
JAN 25...	<.1	2.8	<1.0	8.0	--	<4	2
APR 28...	<.1	2.0	<1.0	4.6	<.01	<4	2
AUG 04...	<.1	<1.0	<1.0	<40	<.01	<4	<1

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

E Estimated.

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

RED RIVER BASIN

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA

LOCATION.--Lat 32°18'00", long 93°49'40", in SW 1/4 sec.8, T.15 N., R.14 W., Caddo Parish, Hydrologic Unit 11140206, on downstream side of bridge on U.S. Highway 171, immediately downstream from Texas and Pacific Railroad bridge, 2.0 mi south of Keithville, and 6.0 mi upstream from mouth of Boggy Bayou.

DRAINAGE AREA.--66 mi².

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

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 162.13 ft above sea level (levels by Corps of Engineers).

REMARKS.--Records fair above 50 ft³/s and poor below, except for periods of estimated record, which are poor. Satellite telemetry and rain gage at station.

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

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)
Jan 2	1730	3,310	10.81	Apr 5	0800	16,900	12.99
Jan 29	0930	*27,200	*13.42				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	6.2	47	61	315	12	70	2.9	59	4.2	.32	.42
2	2.8	7.0	18	2030	101	9.3	39	2.5	23	3.2	.30	.56
3	3.1	8.0	7.6	1040	60	8.5	106	2.3	8.1	2.5	.25	.77
4	3.3	8.1	4.8	171	41	7.9	1710	e2.3	4.2	2.0	.21	1.5
5	4.1	7.5	3.6	55	29	6.9	7330	e4.3	2.6	1.6	.22	4.5
6	7.6	6.8	3.8	37	23	7.0	891	29	1.7	1.9	.19	2.9
7	15	6.9	5.7	28	22	16	185	12	1.4	2.3	.21	3.8
8	7.3	7.3	376	23	19	11	67	5.5	1.1	151	e.16	5.2
9	4.0	7.8	246	21	16	29	38	3.5	.93	24	e.15	7.4
10	3.1	8.7	228	15	15	28	24	3.6	1.0	6.7	e.16	8.2
11	3.0	8.5	887	11	14	18	17	9.6	.94	23	e.16	6.5
12	3.3	9.7	878	8.6	18	15	12	15	1.1	157	e.17	6.3
13	3.3	38	539	8.3	22	349	9.8	30	7.0	20	e.16	6.5
14	3.3	333	102	8.2	15	724	28	11	130	5.7	e.16	6.5
15	3.5	353	39	7.1	12	154	337	6.3	18	2.6	e.18	5.9
16	3.7	51	22	6.2	11	52	65	e5.0	6.2	1.6	e.15	5.1
17	4.0	14	14	6.0	11	32	21	e3.9	2.8	1.0	.13	4.5
18	4.4	5.6	10	5.8	11	24	13	4.6	1.5	.90	.07	3.9
19	4.8	2.7	196	5.4	10	18	9.5	7.9	1.0	.84	.04	3.4
20	5.8	8.0	163	4.5	8.9	17	7.8	6.9	.91	.81	.00	3.0
21	9.0	68	54	4.5	8.3	16	7.0	4.0	.82	.83	.00	2.5
22	12	20	33	613	8.5	13	6.2	2.9	2.9	2.0	.00	2.1
23	7.5	7.3	25	1630	7.7	11	5.6	1.9	129	1.9	.00	1.7
24	5.3	3.7	87	279	7.2	9.9	5.2	1.5	21	.88	.00	1.3
25	4.2	2.3	68	64	6.8	131	4.7	1.3	e439	.74	.00	.99
26	3.8	2.0	37	34	6.8	109	4.4	1.1	e571	.55	.00	.88
27	3.5	1.7	30	22	7.1	33	6.1	1.3	80	.49	.00	.77
28	4.0	1.8	29	184	11	19	7.4	2.3	21	.48	.00	.67
29	4.8	1.8	27	16600	---	177	5.0	3.2	11	.45	.00	.65
30	5.0	7.3	19	7010	---	181	3.8	19	6.7	.37	.00	.54
31	5.3	---	13	1440	---	142	---	142	---	.36	.20	---
TOTAL	156.7	1013.7	4212.5	31432.6	837.3	2380.5	11035.5	348.6	1554.90	421.90	3.59	98.95
MEAN	5.05	33.8	136	1014	29.9	76.8	368	11.2	51.8	13.6	.12	3.30
MAX	15	353	887	16600	315	724	7330	142	571	157	.32	8.2
MIN	2.8	1.7	3.6	4.5	6.8	6.9	3.8	1.1	.82	.36	.00	.42
AC-FT	311	2010	8360	62350	1660	4720	21890	691	3080	837	7.1	196
CFM	.08	.51	2.06	15.4	.45	1.16	5.57	.17	.79	.21	.00	.05
IN.	.09	.57	2.37	17.72	.47	1.34	6.22	.20	.88	.24	.00	.06

e Estimated

RED RIVER BASIN
07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	27.3	50.3	105	183	195	133	130	111	55.2	16.2	20.0	4.37
MAX	370	437	534	1014	452	388	603	517	436	196	454	106
(WY)	1950	1941	1941	1999	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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1939 - 1999

ANNUAL TOTAL	33140.36	53496.74	
ANNUAL MEAN	90.8	147	85.9
HIGHEST ANNUAL MEAN			168
LOWEST ANNUAL MEAN			3.59
HIGHEST DAILY MEAN	3360	Jan 7	16600
LOWEST DAILY MEAN	.00	May 18	.00
ANNUAL SEVEN-DAY MINIMUM	.00	May 18	.00
INSTANTANEOUS PEAK FLOW			27200
INSTANTANEOUS PEAK STAGE			13.42
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	65730	106100	No flow at times most years
ANNUAL RUNOFF (CFSM)	1.38	2.22	1.30
ANNUAL RUNOFF (INCHES)	18.68	30.15	17.69
10 PERCENT EXCEEDS	187	142	117
50 PERCENT EXCEEDS	5.4	7.0	4.9
90 PERCENT EXCEEDS	.00	.49	.00

a Also occurred Aug 20-31.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.86	2.12	3.45	3.21	6.46	2.23	3.78	1.65	3.57	1.63	1.17	1.20
2	1.85	2.17	2.66	10.01	4.30	2.11	3.13	1.61	2.65	1.54	1.16	1.25
3	1.88	2.24	2.21	9.36	3.60	2.06	3.79	1.59	2.03	1.47	1.14	1.32
4	1.90	2.24	2.03	5.14	3.19	2.03	10.18	1.58	1.77	1.40	1.13	1.44
5	1.97	2.20	1.93	3.62	2.85	1.97	11.73	1.77	1.62	1.35	1.13	1.79
6	2.17	2.16	1.94	3.22	2.69	1.97	9.26	2.77	1.52	1.39	1.12	1.66
7	2.54	2.17	2.08	2.99	2.65	2.42	5.27	2.23	1.47	1.45	1.13	1.74
8	2.19	2.19	6.86	2.85	2.54	2.22	3.72	1.87	1.42	4.54	---	1.84
9	1.97	2.22	5.80	2.78	2.41	2.82	3.11	1.71	1.36	2.66	---	2.00
10	1.89	2.27	5.37	2.56	2.36	2.84	2.71	1.71	1.37	1.95	---	2.05
11	1.87	2.26	9.56	2.37	2.32	2.48	2.44	2.08	1.37	2.22	---	1.94
12	1.90	2.32	9.62	2.27	2.48	2.36	2.26	2.36	1.41	4.94	---	1.93
13	1.90	3.12	8.03	2.25	2.65	6.23	2.14	2.88	1.88	2.54	---	1.95
14	1.90	6.66	4.36	2.25	2.39	9.01	2.56	2.18	4.53	1.88	---	1.98
15	1.92	6.77	3.27	2.18	2.25	4.90	6.73	1.93	2.46	1.62	---	1.99
16	1.94	3.48	2.81	2.13	2.21	3.43	3.63	1.84	1.92	1.49	---	1.97
17	1.97	2.49	2.53	2.11	2.21	2.94	2.61	1.74	1.64	1.40	1.10	1.96
18	2.00	2.08	2.35	2.10	2.22	2.71	2.29	1.80	1.49	1.35	1.08	1.95
19	2.03	1.84	5.18	2.07	2.16	2.50	2.12	2.02	1.39	1.31	1.06	1.94
20	2.10	2.07	5.08	2.01	2.09	2.45	2.02	1.97	1.35	1.29	1.03	1.93
21	2.29	3.84	3.59	2.01	2.05	2.42	1.98	1.76	1.30	1.31	1.00	1.92
22	2.42	2.72	3.13	6.66	2.07	2.30	1.92	1.65	1.51	1.54	.98	1.90
23	2.20	2.19	2.89	10.02	2.02	2.19	1.88	1.53	4.62	1.53	.95	1.88
24	2.06	1.93	4.14	6.10	1.99	2.14	1.85	1.49	2.57	1.36	.92	1.85
25	1.98	1.79	3.84	3.78	1.96	4.39	1.81	1.45	---	1.31	.90	1.82
26	1.95	1.76	3.23	3.16	1.96	4.34	1.79	1.42	---	1.24	.87	1.80
27	1.92	1.73	3.05	2.81	1.98	2.97	1.91	1.45	3.84	1.22	.90	1.77
28	1.97	1.73	3.02	4.16	2.17	2.54	2.00	1.59	2.49	1.22	.97	1.75
29	2.03	1.74	2.97	12.33	---	4.98	1.83	1.68	2.06	1.21	.96	1.76
30	2.04	2.05	2.71	11.40	---	5.33	1.73	2.29	1.81	1.18	.94	1.74
31	2.07	---	2.47	9.89	---	4.86	---	4.77	---	1.18	1.12	---
MAX	2.54	6.77	9.62	12.33	6.46	9.01	11.73	4.77	---	4.94	---	2.05
MIN	1.85	1.73	1.93	2.01	1.96	1.97	1.73	1.42	---	1.18	---	1.20

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 October 20 to November 18, May 5 to September 30. Indefinite stage-discharge relationship, October 1 to November 20.

AVERAGE DISCHARGE.--19 years, 1052 ft³/s, 762,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,700 ft³/s, Feb. 2, 1999, gage height, 30.86 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, 13,700 ft³/s, Feb. 2, gage height, 30.86 ft; minimum daily discharge, 44 ft³/s, Nov. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e252	e48	502	1340	13500	659	1150	604	e275	e428	e80	e170
2	e228	e52	559	6070	13400	625	999	509	e255	e389	e77	e159
3	e200	e47	542	8000	13100	595	929	511	e225	e370	e94	e124
4	e180	e49	540	8570	12600	614	2120	495	e200	e423	e87	e93
5	e161	e44	526	8320	11900	562	3830	e454	e185	e400	e114	e159
6	e194	e51	516	7540	11200	507	5390	e435	e235	e391	e110	e122
7	e140	e55	493	6120	10300	507	6820	e400	e250	e519	e113	e119
8	e145	e58	683	4440	9470	475	7110	e380	e300	e700	e74	e124
9	e160	e62	1250	3500	8670	698	6700	e340	e450	e930	e110	e76
10	e180	e70	1450	2860	7830	796	6180	e300	e700	e1100	e99	e90
11	e195	e68	2560	2370	7000	727	5590	e299	e695	e1000	e200	e171
12	e215	e64	4480	1950	6090	624	4790	e260	e750	e950	e138	e97
13	e210	e250	5240	1620	5090	1440	4010	e240	e660	e709	e230	e90
14	e200	e920	5310	1410	4260	2810	3540	e220	e540	e479	e188	e150
15	e180	e2800	4750	1230	3750	2780	3220	e700	e400	e400	e162	e114
16	e188	e3050	3940	1100	3250	2540	3020	e1410	e315	e325	e131	e102
17	e189	e2900	3250	987	2800	2140	2820	e1480	e280	e329	e170	e160
18	e180	e2420	2600	899	2470	1600	2640	e1410	e285	e378	e190	e100
19	e155	e2050	2370	825	2200	1320	2380	e1310	e350	e320	e154	e130
20	e133	e1620	2300	738	1930	1110	2150	e1250	e400	e279	e160	e151
21	e112	1290	2200	692	1770	1200	1920	e1050	e370	e230	e150	e123
22	e96	1170	1970	1470	1560	1180	1710	e950	e270	e190	e140	e116
23	e85	891	1800	3480	1290	1110	1540	e875	e260	e148	e128	e99
24	e73	735	1840	4260	1180	1080	1410	e750	e250	e198	e112	e101
25	e68	624	1890	4330	1020	1040	1220	e650	e230	e209	e170	e150
26	e65	555	1780	3650	862	1160	1060	e599	e330	e131	e121	e106
27	e60	505	1600	2680	760	1090	913	e555	e650	e194	e149	e85
28	e55	488	1500	1910	713	961	859	e500	e620	e136	e107	e67
29	e53	455	1440	5740	---	900	756	e420	e565	e148	e110	e154
30	e53	440	1310	11600	---	1050	681	e350	e507	e105	e81	e100
31	e50	---	1180	12900	---	1160	---	e300	---	e87	e98	---
TOTAL	4455	23831	62371	122601	159965	35060	87457	20006	11802	12595	4047	3602
MEAN	144	794	2012	3955	5713	1131	2915	645	393	406	131	120
MAX	252	3050	5310	12900	13500	2810	7110	1480	750	1100	230	171
MIN	50	44	493	692	713	475	681	220	185	87	74	67
AC-FT	8840	47270	123700	243200	317300	69540	173500	39680	23410	24980	8030	7140
CAL YR 1998	TOTAL 411823		MEAN 1128		MAX 9360		MIN 44		AC-FT 816900			
WTR YR 1999	TOTAL 547792		MEAN 1501		MAX 13500		MIN 44		AC-FT 1087000			

e Estimated

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.64	---	6.60	10.53	30.69	7.63	9.86	8.04	---	---	---	---
2	5.73	---	6.59	21.21	30.66	7.35	9.45	8.35	---	---	---	---
3	5.41	---	6.80	24.10	30.37	7.22	9.38	9.09	---	---	---	---
4	5.37	---	6.73	24.84	29.88	7.05	12.21	9.51	---	---	---	---
5	5.49	---	6.69	24.56	29.11	6.80	16.89	---	---	---	---	---
6	6.40	---	6.79	23.46	28.31	6.60	20.50	---	---	---	---	---
7	5.94	---	6.75	21.38	27.32	6.40	22.85	---	---	---	---	---
8	6.35	---	7.61	18.45	26.27	6.53	23.45	---	---	---	---	---
9	7.54	---	9.91	16.09	25.14	7.17	23.25	---	---	---	---	---
10	8.88	---	11.10	14.31	23.84	7.39	22.67	---	---	---	---	---
11	9.55	---	14.49	12.87	22.43	7.28	21.63	---	---	---	---	---
12	9.59	---	19.23	11.82	20.87	6.92	20.18	---	---	---	---	---
13	9.34	---	20.63	11.21	19.02	9.77	18.68	---	---	---	---	---
14	8.99	---	20.68	10.67	17.32	13.32	17.48	---	---	---	---	---
15	8.76	---	19.50	9.97	15.97	14.01	16.51	---	---	---	---	---
16	9.04	---	17.43	9.64	14.70	14.01	15.64	---	---	---	---	---
17	9.06	---	15.36	9.22	13.53	13.58	14.68	---	---	---	---	---
18	8.95	---	13.92	8.90	12.74	13.10	13.80	---	---	---	---	---
19	8.66	8.86	13.68	8.47	12.06	12.75	12.82	---	---	---	---	---
20	---	8.79	13.72	8.23	11.46	12.66	12.29	---	---	---	---	---
21	---	9.43	13.28	8.07	11.07	12.73	11.78	---	---	---	---	---
22	---	8.95	12.56	10.15	10.40	12.54	11.25	---	---	---	---	---
23	---	8.12	12.23	15.01	9.73	12.25	11.08	---	---	---	---	---
24	---	7.43	12.47	16.99	9.39	11.74	10.32	---	---	---	---	---
25	---	6.98	12.82	17.09	8.94	11.40	9.31	---	---	---	---	---
26	---	6.62	12.63	15.28	8.66	11.22	8.58	---	---	---	---	---
27	---	6.68	12.33	12.90	8.26	10.71	8.34	---	---	---	---	---
28	---	6.41	12.00	11.22	8.11	10.20	8.08	---	---	---	---	---
29	---	6.26	11.36	20.34	---	9.70	7.94	---	---	---	---	---
30	---	6.37	10.86	28.80	---	9.83	8.05	---	---	---	---	---
31	---	---	10.20	30.27	---	10.05	---	---	---	---	---	---
MAX	---	---	20.68	30.27	30.69	14.01	23.45	---	---	---	---	---
MIN	---	---	6.59	8.07	8.11	6.40	7.94	---	---	---	---	---

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 1998 TO SEPTEMBER 1999

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 28...	1330	268	7.35	20.1	40	19	6.5	<10	.3	K30	K9
NOV 23...	1215	237	7.00	17.9	14	20	10.2	<10	--	280	84
DEC 29...	1115	197	6.84	12.5	50	17	11.5	20	--	K1100	210
JAN 25...	1140	226	7.28	13.6	80	28	13.9	20	6.5	--	K1500
FEB 24...	1300	246	7.47	13.7	70	11	9.7	30	2.0	220	K14
MAR 30...	1230	220	7.43	16.1	40	15	8.6	20	.7	120	K32
APR 28...	1350	424	7.47	24.5	15	5.2	7.8	<10	1.9	K200	K20
MAY 18...	1155	475	7.84	24.8	60	11	7.3	20	4.2	K500	48
JUL 07...	1315	768	7.71	29.6	20	1.5	8.2	20	1.3	--	<4
AUG 04...	1155	1210	7.89	30.9	--	1.1	7.3	20	.4	<2	K2
30...	1310	940	8.02	30.1	10	1.1	6.6	20	--	K2	K3
SEP 29...	1255	1240	7.93	24.6	10	3.1	9.7	20	4.7	>320	K8

< 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 1998 TO SEPTEMBER 1999

DATE	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 ASF) (00950)
OCT 28...	K4	67	20	4.1	26	3.4	62	31	21	.10
NOV 23...	67	70	20	4.9	17	2.8	55	23	19	.11
DEC 29...	88	56	16	3.8	15	2.5	41	22	18	<.10
JAN 25...	370	66	18	5.0	16	2.9	49	24	18	<.10
FEB 24...	K20	67	19	4.7	19	2.6	53	28	20	<.10
MAR 30...	50	59	17	4.0	17	2.3	47	24	19	<.10
APR 28...	K4	110	29	8.6	39	2.6	57	62	54	.10
MAY 18...	250	130	34	10	41	2.6	70	71	56	.12
JUL 07...	K30	180	46	16	85	3.5	78	120	110	.17
AUG 04...	K2	300	75	26	130	4.5	121	200	190	.20
SEP 30...	<1	230	59	21	99	4.0	116	150	130	.20
SEP 29...	K16	300	77	27	130	4.5	153	200	180	.24

DATE	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, 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 28...	170	143	19	.019	.27	.06	.51	.08	.05	9.9
NOV 23...	148	120	22	<.010	.21	.07	.71	.09	.05	9.1
DEC 29...	126	102	56	<.010	.21	.08	.56	.10	.04	9.3
JAN 25...	133	113	51	.015	.19	.07	.72	.16	.10	11
FEB 24...	146	125	23	--	.15	.04	.58	.09	--	9.1
MAR 30...	127	111	35	<.010	.14	.06	.60	.10	E.06	8.8
APR 28...	262	229	29	<.010	.03	.04	.57	.08	E.03	9.1
MAY 18...	308	257	170	<.010	.25	.04	.84	.15	E.09	7.1
JUL 07...	476	427	17	<.010	.03	.10	.62	.06	E.02	7.3
AUG 04...	728	692	3	<.010	.02	.03	.74	.05	E.02	7.2
SEP 30...	591	533	<1	<.010	<.02	.04	.70	.06	E.03	8.3
SEP 29...	788	710	8	E.010	<.02	.05	.68	.08	E.02	7.6

< 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 1998 TO SEPTEMBER 1999

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 28...	1.7	<.5	<1.0	<1.0	3.0	752	<1	87
JAN 25...	2.2	<.5	<1.0	2.2	3.9	2300	2	76
APR 28...	1.1	<.5	<1.0	1.2	2.8	910	1	98
AUG 04...	2.5	<4	<1.0	10	2.1	135	<1	87

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 28...	<.1	2.4	<1.0	9.5	<.01	5	1
JAN 25...	<.1	3.9	<1.0	25	--	<4	3
FEB 24...	--	--	--	--	<.01	--	--
APR 28...	<.1	2.4	<1.0	5.5	<.01	<4	<1
AUG 04...	<.1	<1.0	<1.0	--	<.01	<4	<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)
Jan. 3	2100	3,760	8.91	Mar. 15	1000	1,540	7.65
Jan. 30	1800	*10,100	*11.26	Apr. 6	1000	4,690	9.36

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	25	80	334	2600	136	241	41	40	61	11	8.0
2	10	87	90	1540	1300	112	232	38	35	42	11	8.6
3	16	75	125	2980	848	114	206	37	32	34	11	9.4
4	24	61	126	2750	620	112	311	37	29	28	10	11
5	25	55	121	1400	436	105	662	50	26	27	9.8	11
6	43	44	109	892	316	102	3890	53	24	25	9.5	13
7	83	40	99	658	253	92	2340	48	26	23	9.2	13
8	72	115	124	468	220	96	1140	53	22	26	9.2	17
9	73	141	125	365	200	187	734	45	19	34	9.3	22
10	55	105	151	349	183	220	481	39	18	32	9.0	19
11	37	77	340	382	167	241	282	37	26	42	8.8	14
12	27	70	760	390	168	255	188	39	53	106	8.4	12
13	23	129	829	335	166	505	137	38	46	112	8.3	11
14	20	251	740	262	153	1020	117	34	40	61	8.2	10
15	18	276	784	216	139	1410	125	31	34	37	7.8	9.4
16	18	267	766	180	127	1070	130	28	31	28	7.6	8.8
17	20	258	545	158	122	738	134	27	28	24	7.5	8.4
18	22	197	291	143	119	511	110	28	24	24	7.5	8.1
19	26	131	259	131	118	323	86	28	21	36	7.4	8.0
20	35	176	273	122	118	233	74	26	19	36	7.1	7.8
21	48	197	300	114	116	190	67	24	17	30	7.1	7.7
22	48	154	322	263	108	162	62	24	18	24	6.9	7.9
23	39	120	280	571	101	143	58	24	33	21	7.2	7.9
24	32	104	307	650	100	140	55	26	55	18	7.4	7.9
25	29	92	326	871	98	179	51	25	189	17	7.5	8.1
26	26	80	364	817	93	258	51	24	168	16	7.3	8.4
27	23	74	389	595	97	315	59	27	113	15	7.8	8.7
28	21	70	384	384	150	278	55	29	122	15	8.9	9.5
29	20	70	394	2490	---	215	49	29	161	14	9.2	29
30	20	74	405	8590	---	209	45	41	118	13	8.8	49
31	19	---	372	6370	---	226	---	41	---	12	8.1	---
TOTAL	983	3615	10580	35770	9236	9897	12172	1071	1587	1033	263.8	373.6
MEAN	31.7	120	341	1154	330	319	406	34.5	52.9	33.3	8.51	12.5
MAX	83	276	829	8590	2600	1410	3890	53	189	112	11	49
MIN	10	25	80	114	93	92	45	24	17	12	6.9	7.7
AC-FT	1950	7170	20990	70950	18320	19630	24140	2120	3150	2050	523	741
CFSM	.21	.78	2.22	7.49	2.14	2.07	2.63	.22	.34	.22	.06	.08
IN.	.24	.87	2.56	8.64	2.23	2.39	2.94	.26	.38	.25	.06	.09

RED RIVER BASIN

07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1999, BY WATER YEAR (WY)

MEAN	44.3	120	210	331	342	302	264	252	115	63.6	32.2	40.9
MAX	310	713	971	1154	925	767	999	1122	652	1010	177	280
(WY)	1946	1958	1983	1999	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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1941 - 1999		
ANNUAL TOTAL	81146.3			86581.4			176		
ANNUAL MEAN	222			237			371		
HIGHEST ANNUAL MEAN							1975		
LOWEST ANNUAL MEAN							1963		
HIGHEST DAILY MEAN	4690	Jan	8	8590	Jan	30	11100	Jan	1 1945
LOWEST DAILY MEAN	4.5	Sep	10	6.9	Aug	22	2.6	Aug	14 1954
ANNUAL SEVEN-DAY MINIMUM	5.2	Sep	4	7.2	Aug	20	2.9	Aug	11 1954
INSTANTANEOUS PEAK FLOW				10100	Jan	30	^a 13500	Jan	1 1945
INSTANTANEOUS PEAK STAGE				11.26	Jan	30	12.90	Jan	1 1945
INSTANTANEOUS LOW FLOW				6.7	Aug	22	^b 2.4	Aug	7 1964
INSTANTANEOUS LOW STAGE				2.29	Aug	22	^b 1.66	Aug	7 1964
ANNUAL RUNOFF (AC-FT)	161000			171700			127100		
ANNUAL RUNOFF (CFMS)	1.44			1.54			1.14		
ANNUAL RUNOFF (INCHES)	19.60			20.91			15.48		
10 PERCENT EXCEEDS	639			473			435		
50 PERCENT EXCEEDS	70			59			61		
90 PERCENT EXCEEDS	9.1			9.2			11		

a From rating curve extended above 6,400 ft³/s, on basis of record from Black Bayou near Castor and Dugdemona River near Jonesboro.

b Also occurred Aug 8, 1964.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.58	2.98	4.04	5.80	8.28	5.01	5.68	3.49	3.46	3.99	2.48	2.34
2	2.56	4.12	4.18	7.41	7.46	4.79	5.64	3.41	3.32	3.51	2.47	2.36
3	2.73	3.97	4.56	8.47	7.03	4.81	5.50	3.37	3.21	3.27	2.45	2.40
4	2.98	3.74	4.58	8.37	6.70	4.78	5.96	3.36	3.12	3.11	2.43	2.45
5	3.00	3.64	4.53	7.54	6.32	4.71	6.69	3.74	3.03	3.07	2.41	2.47
6	3.37	3.43	4.39	7.08	5.98	4.67	8.96	3.81	2.95	2.99	2.40	2.55
7	4.09	3.35	4.28	6.76	5.74	4.54	8.14	3.69	3.04	2.94	2.39	2.54
8	3.92	4.40	4.55	6.40	5.58	4.56	7.32	3.80	2.90	3.03	2.39	2.72
9	3.94	4.72	4.57	6.14	5.47	5.39	6.87	3.61	2.80	3.28	2.39	2.91
10	3.63	4.35	4.79	6.09	5.37	5.58	6.42	3.43	2.75	3.22	2.38	2.78
11	3.27	3.99	5.75	6.19	5.26	5.69	5.85	3.36	3.00	3.45	2.37	2.62
12	3.06	3.88	6.64	6.21	5.27	5.76	5.39	3.44	3.81	4.71	2.36	2.51
13	2.95	4.58	6.74	6.04	5.25	6.41	5.02	3.41	3.64	4.77	2.35	2.45
14	2.88	5.48	6.62	5.78	5.16	7.22	4.84	3.29	3.46	3.97	2.35	2.42
15	2.83	5.63	6.68	5.56	5.04	7.56	4.91	3.18	3.29	3.36	2.34	2.39
16	2.81	5.60	6.66	5.34	4.94	7.26	4.96	3.11	3.17	3.10	2.33	2.37
17	2.86	5.55	6.28	5.19	4.89	6.88	5.00	3.06	3.09	2.95	2.32	2.36
18	2.93	5.16	5.65	5.07	4.86	6.49	4.75	3.10	2.96	2.96	2.32	2.35
19	3.03	4.62	5.55	4.97	4.85	6.00	4.44	3.10	2.86	3.35	2.32	2.34
20	3.24	4.98	5.63	4.89	4.85	5.65	4.25	3.04	2.78	3.34	2.31	2.34
21	3.50	5.17	5.72	4.81	4.83	5.41	4.12	2.97	2.71	3.17	2.31	2.33
22	3.49	4.83	5.78	5.62	4.74	5.22	4.01	2.98	2.74	2.96	2.30	2.34
23	3.32	4.51	5.65	6.60	4.66	5.08	3.92	2.98	3.24	2.84	2.31	2.34
24	3.17	4.34	5.73	6.75	4.64	5.05	3.86	3.02	3.83	2.76	2.32	2.34
25	3.10	4.19	5.79	7.06	4.63	5.33	3.77	3.00	5.38	2.70	2.32	2.34
26	3.02	4.04	5.89	6.99	4.56	5.76	3.76	2.97	5.25	2.68	2.32	2.36
27	2.95	3.95	5.96	6.65	4.60	5.98	3.94	3.05	4.79	2.65	2.34	2.37
28	2.91	3.89	5.95	6.18	5.13	5.84	3.86	3.14	4.88	2.64	2.38	2.40
29	2.88	3.89	5.97	8.03	---	5.55	3.72	3.13	5.22	2.59	2.39	3.11
30	2.86	3.95	6.00	10.79	---	5.52	3.60	3.48	4.82	2.55	2.37	3.70
31	2.85	---	5.91	10.00	---	5.61	---	3.49	---	2.51	2.35	---
MAX	4.09	5.63	6.74	10.79	8.28	7.56	8.96	3.81	5.38	4.77	2.48	3.70
MIN	2.56	2.98	4.04	4.81	4.56	4.54	3.60	2.97	2.71	2.51	2.30	2.33

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, 21.58 ft, Feb. 3; minimum 8.22 ft, Sep. 28.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.22	9.19	9.67	10.15	20.58	9.72	10.14	9.36	9.13	9.24	9.11	8.57
2	9.19	9.31	9.62	11.03	21.38	9.68	10.14	9.33	9.13	9.26	9.10	8.55
3	9.18	9.27	9.57	12.17	21.54	9.67	10.14	9.30	9.11	9.29	9.13	8.53
4	9.16	9.26	9.53	13.07	21.27	9.60	10.24	9.27	9.10	9.33	9.10	8.53
5	9.14	9.25	9.52	13.50	20.78	9.57	10.36	9.28	9.09	9.39	9.08	8.53
6	9.24	9.22	9.51	13.59	20.19	9.57	10.47	9.26	9.09	9.49	9.05	8.58
7	9.34	9.23	9.53	13.60	19.59	9.53	10.65	9.23	9.09	9.57	9.03	8.58
8	9.34	9.29	9.56	13.75	18.94	9.51	11.21	9.20	9.09	9.63	9.01	8.57
9	9.34	9.28	9.53	13.76	18.27	9.59	12.13	9.18	9.09	9.62	9.00	8.56
10	9.33	9.34	9.57	13.51	17.58	9.59	12.83	9.16	9.13	9.58	8.97	8.53
11	9.33	9.35	9.89	13.12	16.92	9.62	13.02	9.18	9.18	9.55	8.95	8.52
12	9.33	9.36	10.41	12.67	16.26	9.65	12.85	9.20	9.18	9.56	8.94	8.50
13	9.32	9.48	10.66	12.26	15.56	9.98	12.50	9.21	9.17	9.51	8.91	8.50
14	9.31	9.72	10.83	11.82	14.87	10.21	12.14	9.19	9.18	9.46	8.90	8.47
15	9.30	9.90	10.93	11.37	14.21	10.33	11.93	9.17	9.16	9.42	8.86	8.45
16	9.28	10.04	10.93	11.01	13.53	10.44	11.50	9.16	9.16	9.39	8.83	8.42
17	9.27	10.13	10.88	10.72	12.83	10.55	11.12	9.16	9.16	9.39	8.81	8.40
18	9.28	10.15	10.77	10.49	12.13	10.61	10.82	9.16	9.15	9.44	8.80	8.38
19	9.28	10.14	10.76	10.27	11.54	10.62	10.57	9.14	9.14	9.40	8.79	8.36
20	9.28	10.14	10.71	10.09	11.10	10.64	10.36	9.13	9.13	9.37	8.76	8.35
21	9.26	10.09	10.67	9.92	10.78	10.60	10.17	9.11	9.12	9.34	8.74	8.34
22	9.24	10.05	10.64	9.95	10.49	10.54	10.02	9.11	9.13	9.32	8.71	8.31
23	9.21	10.02	10.59	10.14	10.30	10.48	9.91	9.10	9.19	9.30	8.69	8.28
24	9.20	10.01	10.56	10.23	10.13	10.40	9.80	9.10	9.22	9.27	8.67	8.26
25	9.20	10.00	10.49	10.26	10.00	10.35	9.72	9.08	9.23	9.25	8.65	8.24
26	9.19	9.98	10.42	10.25	9.90	10.26	9.63	9.09	9.23	9.24	8.65	8.23
27	9.19	9.92	10.35	10.25	9.84	10.15	9.59	9.10	9.22	9.22	8.64	8.23
28	9.19	9.86	10.32	10.28	9.79	10.08	9.53	9.12	9.22	9.19	8.64	8.22
29	9.18	9.78	10.27	12.12	---	10.05	9.48	9.12	9.22	9.17	8.62	8.26
30	9.18	9.73	10.21	16.06	---	10.09	9.41	9.14	9.23	9.15	8.60	8.23
31	9.17	---	10.17	19.20	---	10.13	---	9.15	---	9.12	8.58	---
MAX	9.34	10.15	10.93	19.20	21.54	10.64	13.02	9.36	9.23	9.63	9.13	8.58
MIN	9.14	9.19	9.51	9.92	9.79	9.51	9.41	9.08	9.09	9.12	8.58	8.22

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. Gates 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, 7.58 ft, Jan. 30; minimim, not determined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.98	2.94	3.09	3.41	5.29	3.24	3.70	3.08	3.07	3.05	2.87	2.30
2	2.97	3.03	3.09	3.83	4.53	3.23	3.66	3.06	3.06	3.03	2.85	2.34
3	2.96	3.04	3.08	4.25	4.12	3.24	3.56	3.04	3.04	3.02	2.84	2.33
4	2.96	3.04	3.07	4.26	3.90	3.20	3.95	3.03	3.03	3.00	2.82	2.33
5	2.94	3.03	3.07	4.01	3.73	3.19	4.18	3.04	3.01	2.99	2.79	2.32
6	3.00	3.01	3.07	3.78	3.62	3.20	4.02	3.05	3.00	2.98	2.77	2.31
7	3.08	2.99	3.10	3.73	3.56	3.19	3.83	3.04	2.99	3.00	2.75	2.30
8	3.06	3.00	3.16	4.15	3.50	3.18	3.62	3.02	2.98	3.10	2.73	2.30
9	3.04	3.01	3.16	4.08	3.45	3.36	3.49	3.00	2.96	3.09	2.71	2.29
10	3.02	3.04	3.17	3.99	3.42	3.37	3.40	3.00	2.95	3.08	2.69	2.27
11	3.01	3.05	3.60	3.89	3.39	3.33	3.35	3.01	2.94	3.09	2.67	2.24
12	3.00	3.04	4.58	3.74	3.37	3.31	3.29	3.02	2.96	3.08	2.66	2.22
13	3.00	3.15	4.56	3.61	3.33	3.56	3.25	3.02	3.01	3.07	2.63	2.21
14	2.98	3.59	4.27	3.52	3.30	3.78	3.23	3.01	3.01	3.05	2.62	2.20
15	2.98	4.11	3.97	3.45	3.29	3.79	3.30	2.99	3.00	3.03	2.59	2.17
16	2.96	3.97	3.72	3.40	3.28	3.72	3.37	2.98	2.99	3.01	2.55	2.15
17	2.96	3.72	3.55	3.37	3.32	3.58	3.41	2.98	2.98	3.01	2.53	---
18	2.97	3.52	3.45	3.35	3.32	3.47	3.36	2.97	2.96	3.12	2.51	---
19	2.99	3.39	3.46	3.32	3.30	3.40	3.31	2.96	2.94	3.09	2.50	---
20	3.00	3.32	3.45	3.30	3.29	3.35	3.27	2.94	2.92	3.06	2.48	---
21	3.01	3.26	3.43	3.29	3.29	3.30	3.24	2.93	2.90	3.04	2.46	---
22	2.99	3.22	3.42	3.40	3.26	3.27	3.21	2.92	2.90	3.05	2.43	---
23	2.97	3.19	3.40	3.57	3.25	3.25	3.20	2.91	2.97	3.03	2.41	---
24	2.96	3.17	3.44	3.55	3.24	3.25	3.19	2.89	3.05	3.01	2.39	---
25	2.95	3.15	3.46	3.51	3.22	3.38	3.17	2.87	3.09	2.99	2.37	---
26	2.95	3.14	3.44	3.43	3.22	3.46	3.16	2.89	3.17	2.98	2.35	---
27	2.94	3.13	3.41	3.37	3.23	3.44	3.18	2.92	3.20	2.97	2.35	---
28	2.94	3.11	3.46	3.34	3.26	3.39	3.17	2.95	3.15	2.95	2.35	---
29	2.94	3.10	3.49	4.25	---	3.38	3.14	2.96	3.11	2.93	2.34	---
30	2.94	3.10	3.50	7.19	---	3.52	3.11	2.99	3.08	2.91	2.32	---
31	2.94	---	3.47	6.65	---	3.66	---	3.06	---	2.89	2.29	---
MAX	3.08	4.11	4.58	7.19	5.29	3.79	4.18	3.08	3.20	3.12	2.87	---
MIN	2.94	2.94	3.07	3.29	3.22	3.18	3.11	2.87	2.90	2.89	2.29	---

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, 7,690 ft³/s, Jan. 30, gage height, 17.25 ft; minimum, not determined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	6.11	7.13	10.12	6.65	7.95	5.66	6.19	---	---	---
2	---	---	6.02	13.71	9.15	6.42	7.33	5.60	5.65	---	---	---
3	---	---	5.99	11.49	8.62	7.52	7.15	5.57	---	---	---	---
4	---	---	5.96	8.68	8.28	7.11	15.47	5.56	---	---	---	---
5	---	---	5.92	7.94	7.94	6.58	16.09	5.58	---	---	---	---
6	---	---	5.86	7.65	7.75	6.42	10.86	5.57	---	---	---	---
7	---	4.54	5.83	10.78	7.67	6.27	8.97	5.48	---	---	---	---
8	---	4.56	6.33	16.44	7.52	6.19	8.22	5.43	---	5.57	---	---
9	---	4.73	6.88	11.71	7.37	6.42	7.78	5.43	---	5.72	---	---
10	---	4.82	6.60	9.65	7.26	6.31	7.43	5.42	---	5.60	---	---
11	---	4.88	13.48	8.67	7.16	6.18	7.13	5.50	---	---	---	---
12	---	4.71	16.96	8.26	7.00	6.55	6.91	5.61	---	---	---	---
13	---	10.98	12.71	7.96	6.84	13.06	6.70	5.62	5.70	---	---	---
14	---	16.92	9.60	7.67	6.76	14.34	6.69	5.49	5.54	---	---	---
15	---	16.92	8.58	7.44	6.73	9.25	8.68	---	---	---	---	---
16	---	13.91	8.04	7.31	6.72	8.10	7.69	---	---	---	---	---
17	---	9.85	7.70	7.22	7.19	7.58	6.82	---	---	---	---	---
18	---	8.67	7.44	7.09	7.51	7.28	6.52	---	---	---	---	---
19	---	8.06	9.16	6.92	7.00	7.03	6.37	---	---	---	---	---
20	---	7.68	8.92	6.85	6.74	6.86	6.27	---	---	---	---	---
21	---	7.39	7.89	6.83	7.01	6.70	6.18	---	---	---	---	---
22	---	7.12	7.58	8.90	6.96	6.55	6.10	---	---	---	---	---
23	---	6.93	7.58	11.84	6.71	6.44	6.01	---	---	---	---	---
24	---	6.79	8.57	8.46	6.55	6.38	5.93	---	6.01	---	---	---
25	---	6.68	8.12	7.55	6.45	8.81	5.86	---	5.48	---	---	---
26	---	6.55	7.52	7.19	6.42	9.22	5.86	---	6.07	---	---	---
27	---	6.42	7.32	6.98	6.44	7.37	6.50	---	6.30	---	---	---
28	---	6.33	10.66	6.93	6.69	6.88	6.32	7.20	---	---	---	---
29	---	6.26	9.31	11.77	---	7.52	5.92	6.49	---	---	---	---
30	---	6.19	7.92	17.14	---	11.29	5.76	6.15	---	---	---	---
31	---	---	7.37	13.81	---	9.50	---	6.69	---	---	---	---
MAX	---	---	16.96	17.14	10.12	14.34	16.09	---	---	---	---	---
MIN	---	---	5.83	6.83	6.42	6.18	5.76	---	---	---	---	---

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. Sample is a dip sample from center of flow.

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 1998 TO SEPTEMBER 1999

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 28...	1020	240	7.20	20.5	30	19	6.2	16	--	50	K16
NOV 23...	1410	185	6.79	16.4	40	20	9.2	12	--	310	80
DEC 29...	0915	215	6.88	14.7	60	18	10.8	12	--	290	200
JAN 25...	1435	238	7.31	15.5	60	23	14.3	13	6.4	--	K1400
FEB 24...	1025	188	7.44	14.0	70	12	9.2	27	1.5	K200	<2
MAR 30...	1435	190	7.40	16.0	50	16	8.6	25	.6	190	64
APR 28...	1115	397	7.59	23.3	15	6.2	7.4	21	1.6	K900	330
MAY 18...	1425	630	7.89	24.8	20	3.8	8.3	22	4.2	K170	K14
JUL 07...	1520	728	7.51	29.4	20	1.1	5.0	19	--	--	K56
AUG 04...	1400	837	7.99	32.0	--	1.7	6.2	19	--	K10	K28
SEP 30...	1550	1270	8.14	32.8	10	1.6	5.2	20	--	K4	K3
SEP 29...	1025	1020	7.57	25.3	10	2.6	10.7	12	6.0	>800	K9

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

> Actual value is known to be greater 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 1998 TO SEPTEMBER 1999

DATE	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)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT 28...	K8	61	18	3.9	22	3.1	65	26	19	.10
NOV 23...	27	54	15	4.1	13	2.5	41	17	15	<.10
DEC 29...	240	59	17	3.9	16	2.4	38	24	20	<.10
JAN 25...	K1000	68	19	5.0	18	2.8	50	26	20	<.10
FEB 24...	K8	53	15	3.7	14	2.3	53	20	14	<.10
MAR 30...	51	54	16	3.4	15	2.2	43	20	15	<.10
APR 28...	K10	100	28	7.8	34	2.6	55	55	47	.10
MAY 18...	K12	150	40	13	61	2.8	69	110	85	.13
JUL 07...	K10	170	43	15	78	3.4	78	110	100	.16
AUG 04...	K4	210	52	18	84	3.6	90	130	120	.16
SEP 30...	<1	310	75	29	140	4.6	125	220	200	.23
SEP 29...	97	250	61	23	100	3.9	103	160	150	.21
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 28...	152	131	15	<.01	.34	.02	.61	.11	.05	9.8
NOV 23...	115	91	22	<.01	.18	.09	.83	.10	.06	9.8
DEC 29...	135	106	51	<.01	.21	.08	.54	.09	.05	9.6
JAN 25...	147	121	46	.01	.19	.07	.61	.11	.07	9.2
FEB 24...	118	101	19	--	.15	.06	.64	.36	--	9.2
MAR 30...	115	97	35	<.01	.16	.09	.57	.10	E.06	9.4
APR 28...	238	207	31	<.01	.02	.11	.64	.09	E.04	8.3
MAY 18...	405	353	63	<.01	<.02	.09	.62	.07	E.04	6.6
JUL 07...	428	396	9	<.01	.05	.06	.40	.05	E.02	6.7
AUG 04...	484	458	3	<.01	<.02	.06	.60	.04	E.02	7.1
SEP 30...	787	744	<1	<.01	<.02	.04	.56	.05	E.02	8.3
SEP 29...	650	560	4	E.01	.03	.13	.40	.06	E.04	6.1

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

E Estimated.

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

RED RIVER BASIN
07355500 RED RIVER AT ALEXANDRIA, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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 28...	1.8	<.5	<1.0	<1.0	3.6	658	<1	60
JAN 25...	1.4	<.5	<1.0	1.6	3.3	1700	2	61
FEB 24...	--	--	--	--	--	--	--	--
APR 28...	1.2	<.5	<1.0	1.3	3.4	961	1	73
AUG 04...	2.0	<4	<1.0	--	--	94	1	41

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 28...	<.1	2.5	<1.0	7.6	<.01	--	2
JAN 25...	<.1	3.1	<1.0	7.5	--	<4	3
FEB 24...	--	--	--	--	<.01	--	--
APR 28...	<.1	2.5	<1.0	5.7	--	--	--
MAY 18...	--	--	--	--	<.01	78	1
AUG 04...	<.1	1.3	<1	--	<.01	<4	<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 28...	<.01	<.01	<.01	--	<.01	--	--	--	--	--	--
DEC 29...	<.01	--	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
FEB 24...	<.01	<.02	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
APR 28...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
JUL 07...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01
AUG 30...	<.01	<.01	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.02

< 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 1998 TO SEPTEMBER 1999

DATE	PP'- 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 28...	--	--	--	--	<.01	--	--	--	--	--	<.01
DEC 29...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	<.02
FEB 24...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	<.01
APR 28...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	<.01
JUL 07...	<.01	<.01	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.1	<.01
AUG 30...	<.02	<.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 28...	<.01	<.01	<.01	.01	<.01	--	<.01	<.01	<.01	<.01
DEC 29...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
FEB 24...	<.01	<.01	<.01	.02	<.01	<.01	<.01	<.01	<.01	<.01
APR 28...	<.01	<.01	<.01	.04	<.01	<.01	<.01	<.01	<.01	<.01
JUL 07...	<.01	<.01	<.01	.02	<.01	<.01	<.01	<.01	<.01	<.01
AUG 30...	<.01	<.01	<.01	.04	<.01	<.01	<.01	<.01	<.01	<.01

< Actual value is know 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. 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.--Records fair except for estimated discharge, which is 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. Satellite telemetry at station.

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, unknown; minimum daily discharge, 834 ft³/s, Nov. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	3140	999	---	---	---	---	---	4620	8020	3390	1190
2	1220	3250	935	---	---	---	---	---	3680	8090	3010	e1240
3	1770	2100	956	---	---	---	---	---	5230	6780	2470	e1320
4	1380	2780	1130	---	---	---	---	---	6840	5630	2250	e1460
5	1630	3300	1640	---	---	---	---	---	5770	4530	2160	e1620
6	1830	3190	1370	---	---	---	---	---	5350	3220	2490	e1820
7	3370	2690	3150	---	---	---	---	---	5230	2620	2160	e1690
8	6460	4540	4480	---	---	---	---	---	4920	2540	2280	e1490
9	e10800	4120	4870	---	---	---	---	---	4560	2550	2620	e1640
10	e12000	3890	8200	---	---	---	---	---	3960	3240	2190	e1910
11	e13100	3270	e11400	---	---	---	---	---	4860	3320	1430	e1650
12	e11800	3200	e14100	---	---	---	---	---	3690	2790	2140	e1550
13	9780	3020	e15500	---	---	---	---	e16400	2600	2280	2380	e1530
14	5880	3230	e17200	---	---	---	---	15400	2760	2450	2450	e1450
15	4710	2530	---	---	---	---	---	15500	2150	2800	2770	e1450
16	4850	1140	---	---	---	---	---	15200	1910	2880	1950	1360
17	3090	1150	---	---	---	---	---	14300	1920	2740	1240	1750
18	3470	923	---	---	---	---	---	14100	1660	2950	1030	2170
19	3670	1030	---	---	---	---	---	12500	1460	2760	1080	1870
20	5240	1410	---	---	---	---	---	11900	1530	1490	1910	1480
21	6110	941	---	---	---	---	---	12000	1210	1650	2150	1300
22	5000	930	---	---	---	---	---	10100	1540	2580	2460	1400
23	4610	950	---	---	---	---	---	8450	1910	2980	2020	1440
24	4240	873	---	---	---	---	---	6830	2300	2740	1140	1510
25	4250	962	---	---	---	---	---	6270	4370	3170	1680	1520
26	4220	844	---	---	---	---	---	7990	6020	4000	1510	1550
27	4220	834	---	---	---	---	---	8910	8450	2300	1850	1510
28	4030	1030	---	---	---	---	---	9280	9260	1680	1620	1480
29	3710	1280	---	---	---	---	---	8240	8490	2510	1310	1490
30	3720	1010	---	---	---	---	---	6120	8290	2740	1450	1430
31	3400	---	---	---	---	---	---	5820	---	3100	1340	---
TOTAL	154590	63557	---	---	---	---	---	---	126540	103130	61930	46270
MEAN	4987	2119	---	---	---	---	---	---	4218	3327	1998	1542
MAX	13100	4540	---	---	---	---	---	---	9260	8090	3390	2170
MIN	1030	834	---	---	---	---	---	---	1210	1490	1030	1190

e Estimated

RED RIVER BASIN

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

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.21	9.88	8.21	---	28.60	26.95	26.33	25.05	10.96	13.41	10.01	8.23
2	8.40	9.95	8.11	---	29.43	26.48	26.04	24.61	10.27	13.42	9.71	---
3	8.85	9.12	8.15	---	30.09	26.02	25.78	24.20	11.30	12.62	9.26	---
4	8.58	9.58	8.32	---	30.62	25.47	25.70	23.69	12.40	11.81	9.07	---
5	8.78	9.97	8.80	---	---	24.71	25.79	22.97	11.74	11.01	8.99	---
6	8.94	9.91	8.53	22.93	---	23.96	25.99	22.24	11.43	10.00	9.26	---
7	10.04	9.54	9.80	23.22	---	23.22	26.25	21.80	11.34	9.46	9.02	---
8	12.10	10.84	10.82	23.60	---	22.36	26.57	21.45	11.11	9.38	9.09	8.30
9	---	10.55	11.04	24.14	---	21.69	---	21.13	10.87	9.35	9.37	8.48
10	---	10.42	13.27	24.65	---	20.86	---	20.89	10.41	9.90	9.06	8.79
11	---	9.95	---	25.13	---	20.46	---	20.29	11.07	10.01	8.40	8.49
12	---	9.90	---	25.51	---	20.00	---	19.54	10.28	9.60	9.02	8.36
13	14.35	9.79	---	25.76	---	20.32	---	18.76	9.42	9.14	9.24	8.35
14	11.86	9.93	---	25.91	---	20.62	---	18.08	9.54	9.34	9.27	8.24
15	10.98	9.42	---	26.05	---	21.47	---	17.98	9.12	9.58	9.53	8.25
16	11.08	8.31	---	26.15	---	22.19	---	17.74	8.83	9.63	8.88	8.13
17	9.86	8.35	---	26.20	---	22.67	---	17.22	8.83	9.51	8.20	8.47
18	10.07	8.11	---	26.12	---	22.95	---	17.03	8.62	9.66	7.95	8.80
19	10.24	8.22	---	25.94	---	23.27	---	16.13	8.42	9.53	8.01	8.54
20	11.30	8.57	---	25.64	---	23.74	---	15.72	8.50	8.47	8.79	8.24
21	11.92	8.10	---	25.17	---	24.31	---	15.77	8.21	8.61	9.05	8.12
22	11.19	8.13	---	24.92	---	24.90	---	14.64	8.49	9.37	9.31	8.18
23	10.89	8.16	---	24.93	---	25.44	---	13.61	8.94	9.69	8.95	8.20
24	10.62	8.05	---	24.83	---	25.90	---	12.52	9.18	9.50	8.09	8.25
25	10.63	8.17	---	24.77	---	26.33	---	12.11	10.78	9.84	8.57	8.26
26	10.62	8.00	---	24.74	---	26.63	---	13.18	11.99	10.45	8.51	8.28
27	10.62	7.99	---	24.72	27.81	26.81	---	13.77	13.67	9.17	8.86	8.25
28	10.49	8.20	---	24.71	27.39	26.89	---	14.02	14.18	8.64	8.62	8.23
29	10.25	8.47	---	25.42	---	26.87	25.80	13.39	13.73	9.33	8.29	8.23
30	10.27	8.21	---	26.65	---	26.77	25.44	12.04	13.59	9.50	8.45	8.19
31	10.06	---	---	27.68	---	26.59	---	11.80	---	9.79	8.38	---
MAX	---	10.84	---	---	---	26.95	---	25.05	14.18	13.42	10.01	---
MIN	---	7.99	---	---	---	20.00	---	11.80	8.21	8.47	7.95	---

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 fair. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins 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.--42 years, 1,340 ft³/s, 970,830 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 discharge, 5,930 ft³/s, Feb. 11, gage height, 26.56 ft; maximum gage height, 26.58 ft, Feb. 12; minimum discharge, 14 ft³/s, Aug. 21, gage height, 0.15 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	37	43	916	4110	3100	2760	2120	303	e345	80	62
2	29	34	39	1090	4510	2850	2730	1970	286	e305	74	59
3	28	33	36	1300	4880	2620	2690	1830	270	e268	66	55
4	28	43	34	1430	5180	2410	2670	1690	246	e243	56	52
5	29	52	33	1590	5430	2200	2620	1560	223	e225	44	51
6	33	60	32	1800	5610	2030	2610	1440	201	e213	37	50
7	36	58	33	2010	5740	1840	2610	1320	175	e213	32	46
8	37	63	34	2200	5810	1660	2630	1200	155	e229	28	43
9	36	69	34	2410	5860	1500	2690	1090	139	e225	30	46
10	36	72	39	2540	5880	1310	2770	992	126	e216	61	50
11	34	70	73	2610	5890	1140	2870	908	123	e213	58	55
12	32	67	177	2630	5880	987	2960	847	129	e212	51	59
13	29	64	279	2630	5840	887	3030	784	153	203	52	63
14	27	66	336	2630	5800	832	3110	721	176	193	62	65
15	25	81	376	2620	5740	777	3220	661	194	179	67	63
16	24	96	385	2600	5660	803	3250	606	216	167	59	64
17	24	95	375	2580	5570	928	3270	556	239	157	48	63
18	24	87	359	2550	5470	1140	3280	538	263	160	34	60
19	23	77	353	2510	5360	1380	3280	523	277	174	29	64
20	23	76	357	2460	5220	1610	3250	496	288	191	20	64
21	22	86	369	2420	5040	1830	3210	473	295	e211	15	63
22	21	97	422	2530	4840	2020	3150	450	305	e216	16	60
23	21	92	482	2740	4640	2190	3070	438	327	198	17	56
24	24	81	545	2780	4400	2340	2990	418	337	177	25	53
25	31	69	592	2780	4180	2470	2880	392	365	157	35	49
26	46	61	629	2820	3930	2580	2780	375	421	144	52	45
27	52	55	669	2870	3660	2650	2670	353	426	127	69	41
28	54	51	750	2910	3390	2710	2540	329	401	111	76	39
29	52	48	835	3190	---	2750	2410	318	e375	100	76	39
30	47	46	883	3660	---	2770	2270	313	e360	92	72	36
31	41	---	901	3800	---	2780	---	311	---	85	66	---
TOTAL	999	1986	10504	75606	143520	59094	86270	26022	7794	5949	1507	1615
MEAN	32.2	66.2	339	2439	5126	1906	2876	839	260	192	48.6	53.8
MAX	54	97	901	3800	5890	3100	3280	2120	426	345	80	65
MIN	21	33	32	916	3390	777	2270	311	123	85	15	36
AC-FT	1980	3940	20830	150000	284700	117200	171100	51610	15460	11800	2990	3200
CAL YR 1998	TOTAL 311540		MEAN 854		MAX 3970		MIN 21		AC-FT 617900			
WTR YR 1999	TOTAL 420866		MEAN 1153		MAX 5890		MIN 15		AC-FT 834800			

e Estimated

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.58	.68	.79	10.29	24.67	20.76	17.95	15.26	4.65	5.14	1.67	1.32
2	.53	.63	.72	12.08	25.29	20.00	17.83	14.68	4.48	4.68	1.56	1.25
3	.50	.61	.67	13.21	25.68	19.24	17.67	14.09	4.32	4.30	1.40	1.16
4	.50	.80	.64	13.88	25.96	18.45	17.78	13.51	4.06	4.03	1.19	1.09
5	.53	.96	.61	14.76	26.15	17.65	17.91	12.97	3.82	3.83	.92	1.08
6	.61	1.11	.60	15.69	26.30	16.86	17.97	12.42	3.56	3.70	.76	1.06
7	.68	1.07	.61	16.44	26.40	16.04	17.98	11.86	3.24	3.70	.63	.96
8	.69	1.15	.64	17.14	26.48	15.20	18.06	11.31	2.96	3.88	.54	.90
9	.68	1.25	.64	18.06	26.53	14.47	18.23	10.75	2.70	3.84	.58	.96
10	.66	1.30	.72	18.42	26.56	13.60	18.41	10.22	2.49	3.74	1.30	1.06
11	.64	1.27	1.31	18.56	26.55	12.75	18.62	9.73	2.44	3.70	1.23	1.17
12	.60	1.22	2.97	18.58	26.56	11.92	18.78	9.31	2.54	3.69	1.08	1.25
13	.54	1.16	4.17	18.55	26.53	11.48	18.92	8.90	2.92	3.59	1.10	1.33
14	.47	1.20	4.85	18.49	26.47	11.16	19.09	8.46	3.25	3.47	1.31	1.37
15	.43	1.45	5.32	18.40	26.40	10.68	19.47	7.99	3.48	3.29	1.43	1.34
16	.41	1.72	5.47	18.29	26.29	10.63	19.53	7.54	3.74	3.13	1.24	1.36
17	.40	1.69	5.40	18.15	26.18	11.13	19.51	7.09	3.99	2.99	1.00	1.34
18	.40	1.53	5.23	18.00	26.04	11.98	19.46	6.88	4.24	3.04	.68	1.27
19	.39	1.38	5.16	17.80	25.87	12.92	19.38	6.76	4.39	3.22	.55	1.35
20	.37	1.36	5.19	17.57	25.64	13.80	19.26	6.54	4.51	3.43	.31	1.36
21	.35	1.53	5.29	17.31	25.35	14.59	19.10	6.31	4.58	3.68	.18	1.34
22	.33	1.73	5.95	18.08	25.00	15.28	18.90	6.09	4.67	3.73	.20	1.28
23	.34	1.64	6.50	18.93	24.57	15.88	18.67	5.97	4.89	3.53	.24	1.20
24	.40	1.44	7.16	19.20	24.06	16.41	18.39	5.75	4.99	3.26	.45	1.12
25	.56	1.25	7.49	19.50	23.49	16.89	18.06	5.50	5.30	2.99	.70	1.03
26	.85	1.11	7.73	19.78	22.86	17.27	17.70	5.35	6.09	2.79	1.10	.94
27	.96	1.01	8.05	19.92	22.21	17.54	17.32	5.14	6.23	2.50	1.47	.86
28	1.00	.95	8.82	19.92	21.53	17.75	16.86	4.91	5.93	2.23	1.61	.80
29	.97	.90	9.46	21.05	---	17.89	16.36	4.80	5.59	2.03	1.60	.82
30	.88	.85	9.85	22.63	---	17.98	15.83	4.76	5.50	1.88	1.52	.74
31	.77	---	10.03	23.67	---	18.01	---	4.73	---	1.76	1.41	---
MAX	1.00	1.73	10.03	23.67	26.56	20.76	19.53	15.26	6.23	5.14	1.67	1.37
MIN	.33	.61	.60	10.29	21.53	10.63	15.83	4.73	2.44	1.76	.18	.74

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, except for Sept. 7-15.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.12 ft, Jan. 30; minimum, 5.79 ft, Sept. 28.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.37	8.45	9.33	9.90	11.84	9.58	9.74	9.46	9.50	9.97	9.15	8.52
2	8.35	8.51	9.35	10.87	11.33	9.60	9.72	9.45	9.50	9.87	9.13	8.52
3	8.39	8.49	9.35	11.14	10.95	9.64	9.78	9.43	9.49	9.78	9.10	8.51
4	8.39	8.49	9.36	10.90	10.69	9.61	10.71	9.41	9.47	9.71	9.08	8.50
5	8.39	8.47	9.39	10.65	10.48	9.60	11.67	9.50	9.44	9.67	9.06	8.55
6	8.49	8.45	9.39	10.47	10.34	9.60	11.70	9.51	9.42	9.63	9.04	8.67
7	8.56	8.44	9.43	10.33	10.24	9.56	11.28	9.50	9.39	9.59	9.02	8.67
8	8.55	8.50	9.63	10.23	10.14	9.56	10.94	9.47	9.37	9.58	9.00	8.66
9	8.54	8.50	9.66	10.14	10.07	9.60	10.68	9.45	9.35	9.55	8.98	8.52
10	8.53	8.54	9.71	10.06	10.01	9.59	10.47	9.42	9.34	9.56	8.96	8.12
11	8.51	8.52	9.86	9.99	9.98	9.58	10.31	9.41	9.35	9.57	8.95	7.70
12	8.51	8.61	10.09	9.93	9.98	9.61	10.16	9.43	9.34	9.56	8.93	7.29
13	8.49	8.74	10.13	9.90	9.92	9.95	10.05	9.44	9.34	9.52	8.91	6.87
14	8.48	8.92	10.07	9.85	9.87	10.16	9.97	9.41	9.39	9.49	8.88	6.44
15	8.47	9.01	10.00	9.80	9.83	10.14	9.96	9.39	9.38	9.46	8.84	6.06
16	8.47	9.05	9.93	9.77	9.81	10.09	9.86	9.38	9.36	9.44	8.82	5.99
17	8.48	9.07	9.87	9.75	9.80	10.03	9.80	9.38	9.33	9.41	8.80	5.97
18	8.48	9.08	9.81	9.72	9.77	9.98	9.74	9.45	9.30	9.39	8.78	5.95
19	8.49	9.09	9.83	9.70	9.75	9.92	9.70	9.43	9.29	9.37	8.77	5.94
20	8.50	9.15	9.82	9.68	9.72	9.91	9.67	9.42	9.27	9.35	8.73	5.93
21	8.52	9.15	9.81	9.66	9.70	9.86	9.64	9.41	9.25	9.33	8.70	5.91
22	8.51	9.17	9.85	10.17	9.67	9.81	9.61	9.39	9.25	9.32	8.68	5.88
23	8.49	9.17	9.92	10.50	9.66	9.78	9.60	9.39	9.27	9.30	8.67	5.86
24	8.48	9.19	10.03	10.40	9.62	9.76	9.59	9.38	9.29	9.28	8.65	5.84
25	8.47	9.20	10.02	10.29	9.62	9.78	9.56	9.35	9.42	9.28	8.64	5.82
26	8.46	9.21	9.98	10.18	9.60	9.77	9.56	9.34	9.96	9.27	8.62	5.81
27	8.46	9.21	9.96	10.10	9.61	9.74	9.57	9.32	10.46	9.26	8.62	5.81
28	8.45	9.22	9.95	10.06	9.60	9.72	9.56	9.30	10.38	9.24	8.62	5.82
29	8.45	9.22	9.93	12.01	---	9.72	9.53	9.32	10.22	9.22	8.60	5.88
30	8.45	9.29	9.89	13.05	---	9.73	9.48	9.37	10.08	9.20	8.57	5.86
31	8.44	---	9.85	12.51	---	9.74	---	9.43	---	9.18	8.55	---
MAX	8.56	9.29	10.13	13.05	11.84	10.16	11.70	9.51	10.46	9.97	9.15	8.67
MIN	8.35	8.44	9.33	9.66	9.60	9.56	9.48	9.30	9.25	9.18	8.55	5.81

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 50 cfs and fair below.

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)
Jan. 2	2200	3,080	9.14	Mar. 16	0500	1,390	7.53
Jan. 23	1100	1,520	7.64	Apr. 5	2300	4,100	9.37
Jan. 31	0500	*7,340	*10.92				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	28	97	259	4170	90	e198	43	72	257	5.4	1.2
2	20	43	81	1860	2270	94	e190	39	89	63	4.7	1.3
3	21	44	68	2890	1190	170	e179	37	74	37	4.1	1.0
4	27	38	65	2600	773	150	e750	37	52	28	3.6	1.4
5	38	37	68	1640	562	114	e3100	53	40	23	3.3	1.4
6	42	35	70	906	418	97	3670	54	33	19	3.3	1.3
7	94	34	69	636	316	86	2380	45	28	17	4.0	1.0
8	82	40	276	488	245	80	1450	55	25	16	4.0	1.9
9	86	47	378	406	220	103	847	51	23	17	3.6	5.2
10	106	49	323	379	218	137	553	41	21	15	3.1	4.4
11	86	52	503	374	208	151	352	37	20	22	2.6	2.9
12	51	54	806	363	231	142	188	35	19	57	2.3	2.1
13	37	86	858	300	261	548	122	42	23	72	1.9	1.6
14	32	145	1020	226	212	944	99	40	37	72	1.6	1.4
15	29	212	862	175	190	1170	120	36	33	44	1.5	1.1
16	27	151	676	159	171	1320	155	33	31	30	1.4	.78
17	25	120	510	142	152	911	174	29	24	23	1.3	.67
18	26	105	343	128	144	595	151	45	20	19	1.2	.65
19	26	91	242	115	135	388	105	79	18	16	1.1	.52
20	29	119	247	108	122	227	79	74	16	14	1.0	.55
21	32	186	243	117	114	163	67	57	15	12	.94	.46
22	32	148	392	409	106	141	60	42	15	10	.83	.41
23	33	95	663	1300	99	134	54	35	16	8.9	.79	.40
24	31	75	753	972	95	130	50	32	23	8.0	.76	.25
25	29	64	766	814	90	152	48	30	93	8.6	.73	.19
26	27	55	690	661	89	189	47	35	369	12	.68	.18
27	27	55	589	521	91	176	61	33	561	16	.96	.18
28	27	53	501	369	96	164	62	29	677	11	.88	.18
29	27	48	419	1760	---	e151	56	26	655	8.6	.76	.18
30	27	54	338	5100	---	e143	52	26	513	7.7	.85	.15
31	27	---	265	6790	---	e183	---	36	---	6.8	1.1	---
TOTAL	1224	2363	13181	32967	12988	9243	15419	1286	3635	970.6	64.28	34.95
MEAN	39.5	78.8	425	1063	464	298	514	41.5	121	31.3	2.07	1.17
MAX	106	212	1020	6790	4170	1320	3670	79	677	257	5.4	5.2
MIN	20	28	65	108	89	80	47	26	15	6.8	.68	.15
AC-FT	2430	4690	26140	65390	25760	18330	30580	2550	7210	1930	127	69
CFSM	.19	.38	2.04	5.11	2.23	1.43	2.47	.20	.58	.15	.01	.01
IN.	.22	.42	2.36	5.90	2.32	1.65	2.76	.23	.65	.17	.01	.01

e Estimated

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1999, BY WATER YEAR (WY)

MEAN	55.7	146	257	349	413	386	408	242	159	73.5	30.8	43.1
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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1956 - 1999					
ANNUAL TOTAL	71085.37			93375.83								
ANNUAL MEAN	195			256								
HIGHEST ANNUAL MEAN							212					
LOWEST ANNUAL MEAN							502					
HIGHEST DAILY MEAN	1850			Jan 9			52.3					
LOWEST DAILY MEAN	.00			Many days in July			1967					
ANNUAL SEVEN-DAY MINIMUM	.00			Many days in July			20000					
INSTANTANEOUS PEAK FLOW							.00					
INSTANTANEOUS PEAK STAGE							.15					
INSTANTANEOUS LOW FLOW							.19					
INSTANTANEOUS LOW STAGE							.14					
ANNUAL RUNOFF (AC-FT)	141000			185200			153900					
ANNUAL RUNOFF (CFSM)	.94			1.23			1.02					
ANNUAL RUNOFF (INCHES)	12.71			16.70			13.88					
10 PERCENT EXCEEDS	619			657			542					
50 PERCENT EXCEEDS	58			55			52					
90 PERCENT EXCEEDS	2.4			1.4			4.6					

a Also occurred Aug 27.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.57	2.82	4.13	5.43	9.39	4.05	---	3.23	3.76	5.32	2.11	1.79
2	2.54	3.20	3.90	8.12	8.20	4.09	---	3.12	4.03	3.74	2.06	1.82
3	2.59	3.25	3.70	9.03	7.32	4.92	---	3.06	3.81	3.27	2.00	1.77
4	2.79	3.10	3.66	8.84	6.78	4.74	---	3.07	3.41	3.06	1.95	1.85
5	3.11	3.06	3.71	8.09	6.36	4.35	8.76	3.41	3.14	2.90	1.93	1.86
6	3.18	3.03	3.75	7.27	5.99	4.14	9.11	3.44	2.96	2.79	1.94	1.84
7	4.09	3.01	3.73	6.74	5.65	4.00	8.29	3.27	2.82	2.70	2.02	1.79
8	3.94	3.15	5.48	6.35	5.36	3.90	7.56	3.48	2.72	2.68	2.03	1.96
9	3.98	3.30	5.98	6.08	5.24	4.20	6.90	3.40	2.64	2.72	1.99	2.35
10	4.26	3.35	5.77	5.99	5.24	4.62	6.33	3.18	2.58	2.61	1.94	2.29
11	3.97	3.41	6.37	5.97	5.19	4.76	5.77	3.07	2.54	2.85	1.89	2.15
12	3.40	3.45	7.11	5.93	5.30	4.66	5.02	3.02	2.50	3.67	1.85	2.04
13	3.08	3.98	7.21	5.67	5.43	6.26	4.44	3.20	2.63	3.90	1.80	1.96
14	2.93	4.66	7.45	5.30	5.20	7.05	4.17	3.15	3.07	3.90	1.75	1.94
15	2.85	5.20	7.21	4.96	5.08	7.31	4.41	3.05	2.95	3.43	1.73	1.86
16	2.79	4.75	6.83	4.84	4.93	7.46	4.80	2.97	2.90	3.10	1.71	1.78
17	2.72	4.43	6.41	4.67	4.76	6.99	4.96	2.86	2.70	2.90	1.70	1.75
18	2.74	4.24	5.84	4.51	4.69	6.43	4.75	3.24	2.54	2.76	1.69	1.75
19	2.77	4.06	5.39	4.36	4.59	5.89	4.23	3.88	2.44	2.65	1.67	1.71
20	2.85	4.40	5.41	4.28	4.44	5.27	3.89	3.80	2.37	2.56	1.65	1.72
21	2.93	5.04	5.39	4.39	4.35	4.87	3.70	3.50	2.33	2.46	1.63	1.70
22	2.94	4.71	6.02	5.72	4.25	4.65	3.58	3.19	2.31	2.39	1.61	1.70
23	2.95	4.11	6.80	7.43	4.17	4.57	3.46	3.03	2.36	2.31	1.60	1.70
24	2.91	3.83	7.00	7.08	4.11	4.54	3.38	2.93	2.65	2.26	1.60	1.64
25	2.85	3.65	7.03	6.86	4.04	4.76	3.34	2.87	3.89	2.30	1.59	1.61
26	2.80	3.47	6.86	6.57	4.03	5.07	3.31	3.01	5.81	2.45	1.58	1.61
27	2.79	3.48	6.62	6.26	4.07	4.98	3.59	2.97	6.36	2.68	1.68	1.61
28	2.79	3.44	6.39	5.83	4.13	4.88	3.61	2.85	6.61	2.45	1.67	1.62
29	2.78	3.34	6.13	7.62	---	4.61	3.50	2.77	6.56	2.32	1.63	1.63
30	2.78	3.45	5.83	9.88	---	---	3.42	2.76	6.24	2.26	1.67	1.62
31	2.78	---	5.50	10.69	---	---	---	3.04	---	2.21	1.77	---
MAX	4.26	5.20	7.45	10.69	9.39	---	---	3.88	6.61	5.32	2.11	2.35
MIN	2.54	2.82	3.66	4.28	4.03	---	---	2.76	2.31	2.21	1.58	1.61

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, 44.88 ft, Feb. 1; minimum 39.19 ft, Sept. 1, and 5.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.88	39.89	40.14	41.05	44.84	40.21	---	40.17	39.99	41.01	39.78	39.23
2	39.86	39.93	40.14	41.56	44.45	40.26	---	40.15	40.01	40.96	39.76	39.27
3	39.87	39.93	40.14	41.90	43.77	40.35	---	40.13	40.03	40.85	39.73	39.25
4	39.88	39.93	40.14	42.21	43.05	40.45	---	40.12	40.04	40.69	39.71	39.25
5	39.87	39.91	40.15	42.56	42.43	40.50	41.72	40.15	40.04	40.54	39.68	39.25
6	39.92	39.90	40.14	42.58	41.93	40.50	42.34	40.15	40.06	40.42	39.67	39.31
7	39.95	39.90	40.15	42.26	41.55	40.48	43.20	40.15	40.11	40.35	39.65	39.31
8	39.96	39.96	40.20	41.95	41.23	40.48	43.19	40.13	40.08	40.30	39.63	39.30
9	39.96	39.97	40.23	41.70	40.98	40.51	42.80	40.12	40.06	40.25	39.61	39.29
10	39.97	40.01	40.34	41.46	40.76	40.51	42.33	40.11	40.04	40.21	39.58	39.27
11	39.98	40.01	40.53	41.22	40.58	40.51	41.87	40.10	40.03	40.19	39.57	39.27
12	40.00	40.04	40.86	41.02	40.41	40.54	41.47	40.10	40.03	40.17	39.55	39.31
13	40.01	40.10	41.03	40.83	40.27	40.84	41.12	40.09	40.06	40.17	39.52	39.38
14	40.00	40.23	41.12	40.62	40.17	41.15	40.83	40.07	40.04	40.20	39.49	39.47
15	39.99	40.33	41.16	40.44	40.09	41.31	40.56	40.05	40.03	40.19	39.46	39.57
16	39.97	40.40	41.18	40.28	40.02	41.43	40.32	40.04	40.01	40.17	39.43	39.67
17	39.96	40.40	41.15	40.14	39.96	41.52	40.34	40.04	39.98	40.16	39.40	39.78
18	39.97	40.37	41.10	40.01	39.89	41.59	40.37	40.09	39.95	40.13	39.39	39.83
19	39.96	40.35	41.08	39.87	39.80	41.58	40.40	40.09	39.93	40.10	39.37	39.81
20	39.95	40.33	40.99	39.74	39.69	41.46	40.42	40.08	39.91	40.07	39.34	39.81
21	39.96	40.30	40.91	39.60	39.56	41.28	40.42	40.08	39.90	40.04	39.31	39.79
22	39.93	40.28	40.83	39.89	39.45	41.11	40.40	40.07	39.89	40.00	39.29	39.76
23	39.91	40.26	40.85	40.58	39.59	40.97	40.37	40.05	39.92	39.98	39.27	39.75
24	39.90	40.24	40.93	40.91	39.72	40.85	40.34	40.01	39.94	39.95	39.25	39.73
25	39.90	40.22	40.99	41.12	39.86	40.80	40.30	39.99	40.02	39.92	39.24	39.71
26	39.90	40.19	41.06	41.20	39.98	40.75	40.29	39.97	40.37	39.91	39.22	39.70
27	39.89	40.16	41.12	41.14	40.09	40.72	40.29	39.95	40.77	39.88	39.27	39.69
28	39.89	40.14	41.18	41.01	40.16	40.69	40.26	39.94	40.92	39.86	39.29	39.72
29	39.88	40.12	41.20	41.99	---	---	40.23	39.93	40.99	39.84	39.28	39.81
30	39.88	40.13	41.15	43.47	---	40.66	40.19	39.94	41.02	39.82	39.26	39.79
31	39.88	---	41.08	44.53	---	---	---	39.96	---	39.80	39.23	---
MAX	40.01	40.40	41.20	44.53	44.84	---	---	40.17	41.02	41.01	39.78	39.83
MIN	39.86	39.89	40.14	39.60	39.45	---	---	39.93	39.89	39.80	39.22	39.23

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, 36.99 ft, Jan. 31; minimum, 30.41 ft, May 17, Sep. 13.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.60	30.64	30.65	31.20	36.88	36.41	33.20	31.54	30.71	31.08	30.58	30.62
2	30.60	30.74	30.66	32.95	36.84	36.17	33.07	31.15	30.66	30.99	30.72	30.65
3	30.62	30.67	30.66	32.67	36.80	35.99	32.92	30.77	30.64	30.90	30.73	30.70
4	30.66	30.65	30.67	32.22	36.76	35.69	34.05	30.59	30.62	30.84	30.53	30.62
5	30.68	30.65	30.69	32.04	36.70	35.35	35.04	30.97	30.60	30.81	30.50	30.70
6	30.72	30.73	30.74	32.33	36.64	34.95	35.12	30.81	30.58	30.77	30.65	30.70
7	30.75	30.65	30.74	32.66	36.61	34.41	35.17	30.68	30.58	30.96	30.65	30.70
8	30.70	31.01	30.77	33.18	36.73	33.88	35.36	30.63	30.58	31.15	30.58	30.62
9	30.67	30.88	30.75	33.91	36.82	33.98	35.54	30.59	30.61	31.10	30.69	30.80
10	30.66	30.79	30.88	33.90	36.84	33.36	35.57	30.58	30.62	30.98	30.71	30.77
11	30.65	30.73	32.21	33.88	36.67	32.90	35.58	30.65	30.61	30.99	30.69	30.65
12	30.63	30.70	33.29	33.87	36.51	32.66	35.59	30.64	30.72	31.03	30.69	30.55
13	30.62	30.89	32.39	33.85	36.54	33.42	35.60	31.01	31.07	30.97	30.73	30.49
14	30.61	31.66	31.92	33.81	36.59	33.33	35.68	30.65	30.99	30.90	30.71	30.75
15	30.60	31.67	31.59	33.73	36.63	33.09	35.91	30.51	31.20	30.86	30.69	30.64
16	30.60	31.23	31.21	33.60	36.65	32.93	35.88	30.50	30.96	30.83	30.68	30.60
17	30.60	30.99	31.06	33.43	36.70	32.81	35.71	30.49	31.14	30.82	30.62	30.58
18	30.60	30.84	30.98	33.25	36.72	32.68	35.53	30.58	30.85	30.79	30.54	30.56
19	30.62	30.75	31.28	33.01	36.74	32.56	35.36	30.55	30.72	30.74	30.57	30.55
20	30.63	31.00	31.21	32.74	36.76	32.48	35.22	30.50	30.65	30.73	30.80	30.62
21	30.64	30.99	31.14	32.43	36.77	32.40	35.07	30.52	30.61	30.72	30.69	30.82
22	30.64	30.89	31.48	33.42	36.77	32.31	34.90	30.51	30.75	30.73	30.59	30.64
23	30.63	30.79	31.49	33.99	36.78	32.23	34.70	30.47	31.13	30.83	30.59	30.54
24	30.63	30.70	31.58	33.75	36.78	32.20	34.48	30.45	31.21	30.82	30.74	30.51
25	30.63	30.68	31.44	33.67	36.78	32.62	34.21	30.44	31.80	30.74	30.65	30.49
26	30.62	30.66	31.30	33.63	36.79	32.68	33.92	30.43	32.68	30.67	30.58	30.48
27	30.61	30.64	31.21	33.58	36.75	32.74	33.61	30.47	32.60	30.64	30.56	30.48
28	30.61	30.64	31.54	33.57	36.63	32.80	33.13	30.49	31.97	30.66	30.61	30.50
29	30.61	30.63	31.45	35.48	---	32.88	32.50	30.48	31.51	30.61	30.75	31.10
30	30.62	30.62	31.29	36.74	---	33.07	31.97	30.53	31.13	30.63	30.67	30.85
31	30.62	---	31.18	36.94	---	33.23	---	30.69	---	30.60	30.64	---
MAX	30.75	31.67	33.29	36.94	36.88	36.41	35.91	31.54	32.68	31.15	30.80	31.10
MIN	30.60	30.62	30.65	31.20	36.51	32.20	31.97	30.43	30.58	30.60	30.50	30.48

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 3,950 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 daily discharges below 200 cfs and above 3000 cfs, which are poor. No gage-height record below a gage height of approximately 2.00 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, 25.34 ft, Feb. 1; minimum, not determined.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.08	859	---	259	234	43	559	287	.00	8.8
2	.00	.00	.00	---	---	176	118	1.1	799	40	.00	.00
3	.00	.00	.00	---	---	167	101	.00	557	.00	.00	.00
4	.00	.00	.00	---	---	181	---	.00	366	.00	.00	.00
5	.00	.00	.00	---	---	219	---	109	84	.00	.00	.00
6	.00	.00	.00	---	---	180	---	238	.00	.00	.00	.00
7	.00	.00	.00	1780	---	210	---	344	.00	.00	.00	.00
8	.00	.00	.00	---	---	192	---	308	.00	.00	.00	53
9	.00	.00	120	---	941	427	912	77	.00	.00	.00	933
10	.00	.00	396	---	785	323	476	11	.00	.00	.00	874
11	.00	.00	1470	---	655	296	324	8.2	.00	.00	.00	499
12	.00	.00	---	1070	557	258	218	339	.00	.00	.00	244
13	.00	.00	---	722	444	---	136	229	.00	347	.00	97
14	.00	.00	---	665	346	---	---	23	239	229	.00	24
15	.00	673	1390	436	285	---	---	.00	1540	17	.00	.01
16	.00	368	653	317	265	---	---	.00	739	.00	.00	.00
17	.00	56	376	259	256	---	849	.00	199	.00	.00	.00
18	.00	.04	227	215	219	1430	325	.00	6.5	.00	.00	.00
19	.00	.00	373	164	261	566	147	.00	.00	.00	.00	.00
20	.00	287	604	128	220	337	52	.00	.00	.00	.00	.00
21	.00	575	410	71	165	217	12	.00	.00	.00	.00	.00
22	.00	134	---	---	95	134	.00	.00	.00	.00	.00	.00
23	.00	12	---	---	75	86	.00	.00	.00	.00	.00	.00
24	.00	.00	---	---	51	60	.00	5.3	.00	.00	.00	.00
25	.00	.00	---	---	45	156	.00	75	608	.00	138	.00
26	.00	.00	1860	---	43	241	.00	9.7	---	.00	317	.00
27	.00	.00	2010	1390	52	159	1310	.94	---	.00	267	.00
28	.00	.00	---	872	166	95	2150	.00	---	.00	265	.00
29	.00	.00	---	---	---	40	1060	.00	1370	.00	259	.00
30	.00	.01	1800	---	---	29	240	.00	651	.00	159	.00
31	.00	---	936	---	---	156	---	504	---	.00	33	---
TOTAL	0.00	2105.05	---	---	---	---	---	2325.24	---	920.00	1438.00	2732.81
MEAN	.000	70.2	---	---	---	---	---	75.0	---	29.7	46.4	91.1
MAX	.00	673	---	---	---	---	---	504	---	347	317	933
MIN	.00	.00	---	---	---	---	---	.00	---	.00	.00	.00
CFSM	.00	.09	---	---	---	---	---	.10	---	.04	.06	.12
IN.	.00	.10	---	---	---	---	---	.11	---	.04	.07	.13

RED RIVER BASIN

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

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.08	---	5.12	6.36	25.31	5.50	5.45	5.08	5.97	5.48	---	4.84
2	4.05	---	4.95	16.65	25.23	5.35	5.25	4.85	6.32	4.96	---	4.57
3	4.04	---	4.83	21.82	24.97	5.34	5.22	4.58	5.96	4.47	---	4.31
4	4.02	---	4.77	21.87	24.48	5.36	9.79	4.24	5.67	4.10	---	4.24
5	4.00	---	4.71	20.32	23.11	5.43	14.09	5.12	5.16	3.85	---	4.52
6	3.99	---	4.66	14.91	19.83	5.36	16.33	5.46	4.66	3.37	---	4.64
7	4.00	---	4.65	7.56	14.14	5.41	13.62	5.63	4.18	2.67	---	4.75
8	3.97	---	4.73	8.07	7.94	5.38	9.13	5.58	3.55	2.25	---	4.98
9	3.97	---	5.27	15.02	6.52	5.77	6.47	5.16	2.54	---	---	6.49
10	4.06	---	5.90	14.26	6.30	5.61	5.84	4.95	---	---	---	6.42
11	4.14	---	7.30	8.46	6.10	5.56	5.61	4.90	---	---	2.38	5.88
12	4.16	---	14.16	6.68	5.96	5.49	5.42	5.63	---	---	3.03	5.47
13	4.15	---	15.89	6.21	5.80	7.64	5.28	5.44	2.64	5.52	2.97	5.22
14	4.15	---	11.19	6.12	5.64	13.21	5.93	5.01	4.47	5.37	2.48	5.02
15	4.14	5.92	7.10	5.79	5.54	13.75	14.32	4.80	7.30	4.83	2.21	4.78
16	4.12	5.86	6.10	5.60	5.51	11.71	10.52	4.61	6.23	4.10	---	4.58
17	4.11	5.33	5.69	5.50	5.49	9.76	6.38	4.34	5.39	3.18	---	4.46
18	4.09	5.08	5.44	5.42	5.43	7.13	5.61	4.21	4.84	2.49	---	4.41
19	4.06	4.93	5.67	5.33	5.50	5.98	5.30	4.30	4.42	2.92	---	4.43
20	3.90	5.59	6.03	5.27	5.43	5.63	5.12	4.48	3.82	3.12	---	4.35
21	3.24	6.16	5.74	5.17	5.33	5.42	4.95	4.52	3.39	2.85	---	4.28
22	2.82	5.50	9.44	13.20	5.22	5.28	4.73	4.05	3.00	2.23	---	4.25
23	2.30	5.20	9.33	21.80	5.18	5.20	4.66	3.91	3.02	---	---	4.24
24	---	5.09	10.89	22.18	5.13	5.15	4.57	4.40	3.27	---	3.62	4.17
25	---	5.03	9.72	20.41	5.11	5.32	4.40	5.17	5.16	---	5.08	4.11
26	---	4.96	7.69	13.57	5.10	5.46	4.40	4.95	9.82	---	5.53	4.05
27	---	4.90	7.86	7.10	5.13	5.32	6.89	4.82	11.86	---	5.43	4.01
28	---	4.83	10.20	6.42	5.33	5.21	8.02	4.45	9.48	---	5.43	3.98
29	---	4.78	9.60	16.61	---	5.09	6.65	3.56	7.07	---	5.41	4.05
30	---	4.88	7.61	24.16	---	5.05	5.46	3.15	6.10	---	5.24	4.28
31	---	---	6.51	25.12	---	5.30	---	5.80	---	---	4.98	---
MAX	---	---	15.89	25.12	25.31	13.75	16.33	5.80	---	---	---	6.49
MIN	---	---	4.65	5.17	5.10	5.05	4.40	3.15	---	---	---	3.98

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA

LOCATION.--Lat 32°28'52", long 91°47'52", on line between sec.1, T.17 N., R.6 E., and sec. 6, T.17 N., R.7 E., Richland Parish, Hydrologic Unit 08050001, on downstream side of bridge on U.S. Highway 80, and 0.5 mi 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 good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Low level dam of steel sheet piles with concrete cap located approximately 7 miles downstream, pool stage 55 ft, since Dec. 1991.

AVERAGE DISCHARGE.--61 years, 298 ft³/s, 215,900 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, 1,650 ft³/s, Feb. 1, gage height, 18.86 ft; minimum discharge 0.82 ft³/s, Aug. 7, and 8, gage height, 6.04 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	7.8	9.8	203	1650	41	120	51	21	316	2.9	18
2	18	11	11	327	1620	46	81	37	20	180	2.3	20
3	19	9.5	12	467	1550	109	71	28	25	94	1.6	19
4	19	8.0	13	648	1470	153	526	23	29	51	1.4	17
5	19	6.8	15	775	1400	110	747	56	28	31	1.7	16
6	20	5.6	18	828	1340	66	793	173	25	21	1.9	18
7	21	5.3	26	795	1260	43	758	148	21	16	1.4	17
8	22	7.7	42	659	1110	41	669	96	16	12	.98	20
9	20	7.6	46	588	842	164	500	60	13	10	4.1	29
10	19	9.5	49	588	557	241	297	42	11	9.8	8.2	30
11	15	9.0	267	621	351	171	156	34	10	11	5.2	37
12	11	9.0	674	542	205	118	88	36	12	15	4.5	40
13	8.0	15	693	373	112	253	57	39	28	36	7.5	36
14	5.8	71	686	227	67	344	82	38	43	38	12	31
15	4.4	103	605	145	49	376	331	33	40	29	12	26
16	3.8	108	426	100	37	395	463	26	38	21	12	17
17	3.6	98	241	73	32	375	500	21	45	16	11	16
18	3.7	82	132	56	29	313	350	75	40	13	11	16
19	4.0	63	107	45	25	225	184	111	31	13	11	15
20	4.0	52	90	39	22	142	96	86	21	11	10	14
21	3.6	45	83	38	21	85	58	53	15	9.8	10	12
22	3.0	54	94	90	21	55	40	34	14	8.8	10	12
23	2.7	62	136	184	20	39	31	24	17	7.2	10	11
24	2.2	56	271	463	18	34	25	21	38	6.0	9.6	11
25	1.6	46	323	679	18	88	22	17	71	5.3	8.4	11
26	1.6	35	342	794	17	79	21	22	257	5.2	9.5	11
27	1.5	26	301	777	19	58	21	27	642	3.2	14	11
28	1.6	20	277	568	26	40	21	22	706	2.2	14	11
29	2.1	17	281	888	---	31	37	19	642	2.1	16	13
30	3.9	13	311	1480	---	97	58	17	489	2.6	18	14
31	6.6	---	276	1620	---	150	---	19	---	3.5	17	---
TOTAL	288.7	1062.8	6857.8	15680	13888	4482	7203	1488	3408	999.7	259.18	569
MEAN	9.31	35.4	221	506	496	145	240	48.0	114	32.2	8.36	19.0
MAX	22	108	693	1620	1650	395	793	173	706	316	18	40
MIN	1.5	5.3	9.8	38	17	31	21	17	10	2.1	.98	11
AC-FT	573	2110	13600	31100	27550	8890	14290	2950	6760	1980	514	1130
CAL YR 1998	TOTAL 37321.18			MEAN 102		MAX 1020		MIN .00		AC-FT 74030		
WTR YR 1999	TOTAL 56186.18			MEAN 154		MAX 1650		MIN .98		AC-FT 111400		

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.35	6.21	6.24	8.08	18.83	6.59	7.33	6.70	6.37	9.06	6.09	6.33
2	6.35	6.26	6.25	9.15	18.67	6.63	6.98	6.55	6.35	7.86	6.08	6.35
3	6.36	6.24	6.27	10.37	18.21	7.24	6.88	6.44	6.41	7.10	6.06	6.33
4	6.36	6.21	6.28	11.83	17.65	7.62	10.85	6.39	6.45	6.69	6.05	6.31
5	6.36	6.19	6.31	12.78	17.15	7.24	12.57	6.73	6.45	6.48	6.06	6.30
6	6.37	6.17	6.34	13.16	16.73	6.84	12.91	7.80	6.41	6.37	6.07	6.32
7	6.40	6.17	6.44	12.93	16.22	6.61	12.65	7.58	6.36	6.30	6.05	6.31
8	6.40	6.21	6.61	11.91	15.17	6.59	11.98	7.12	6.30	6.25	6.04	6.35
9	6.38	6.21	6.65	11.37	13.27	7.72	10.64	6.79	6.25	6.22	6.11	6.45
10	6.36	6.23	6.68	11.37	11.11	8.42	8.90	6.60	6.22	6.21	6.19	6.47
11	6.31	6.23	8.61	11.63	9.36	7.78	7.65	6.51	6.22	6.22	6.14	6.54
12	6.26	6.23	12.03	11.00	8.09	7.32	7.04	6.53	6.25	6.28	6.12	6.58
13	6.21	6.31	12.17	9.55	7.26	8.51	6.76	6.56	6.44	6.53	6.17	6.54
14	6.18	6.91	12.11	8.29	6.85	9.30	6.97	6.56	6.61	6.56	6.24	6.48
15	6.15	7.26	11.50	7.55	6.67	9.58	9.19	6.51	6.58	6.46	6.25	6.42
16	6.13	7.32	10.01	7.15	6.55	9.74	10.33	6.43	6.56	6.37	6.24	6.31
17	6.13	7.20	8.41	6.91	6.49	9.57	10.66	6.37	6.63	6.29	6.23	6.29
18	6.13	7.03	7.44	6.74	6.46	9.03	9.36	6.93	6.58	6.26	6.23	6.29
19	6.14	6.83	7.21	6.63	6.41	8.27	7.90	7.25	6.48	6.25	6.22	6.29
20	6.14	6.71	7.07	6.57	6.38	7.53	7.12	7.03	6.37	6.23	6.22	6.27
21	6.13	6.65	7.00	6.56	6.37	7.01	6.76	6.72	6.29	6.21	6.22	6.25
22	6.12	6.73	7.10	7.04	6.36	6.74	6.58	6.52	6.27	6.20	6.22	6.24
23	6.11	6.81	7.48	7.90	6.35	6.57	6.48	6.40	6.31	6.17	6.21	6.23
24	6.10	6.75	8.67	10.33	6.33	6.52	6.42	6.36	6.55	6.15	6.21	6.23
25	6.08	6.65	9.11	12.06	6.32	7.04	6.37	6.31	6.88	6.14	6.19	6.22
26	6.08	6.54	9.28	12.92	6.31	6.97	6.37	6.37	8.54	6.14	6.21	6.22
27	6.08	6.45	8.93	12.79	6.33	6.76	6.37	6.44	11.79	6.10	6.27	6.23
28	6.08	6.38	8.73	11.20	6.42	6.58	6.36	6.38	12.27	6.07	6.27	6.23
29	6.09	6.34	8.76	13.51	---	6.48	6.55	6.33	11.78	6.07	6.30	6.26
30	6.14	6.28	9.01	17.73	---	7.11	6.76	6.31	10.55	6.08	6.32	6.27
31	6.19	---	8.72	18.63	---	7.59	---	6.34	---	6.11	6.32	---
MAX	6.40	7.32	12.17	18.63	18.83	9.74	12.91	7.80	12.27	9.06	6.32	6.58
MIN	6.08	6.17	6.24	6.56	6.31	6.48	6.36	6.31	6.22	6.07	6.04	6.22

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.--61 years, 1,878 ft/s, 1,361,000 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 daily discharge, 24,000 ft³/s, Feb. 3; maximum gage height recorded, 28.00 ft, Feb. 3; minimum discharge, 1.4 ft³/s.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	9.1	39	1440	e23000	e550	e599	e800	631	2510	e36	86
2	22	9.2	43	8290	e23500	e500	e285	e600	742	e1400	e28	82
3	22	4.0	41	16900	e24000	2770	e185	e435	809	e650	e26	95
4	21	4.8	36	18600	e23500	e2650	8590	e325	588	e375	e25	64
5	21	5.4	36	18200	e22500	e1800	13600	e600	326	e275	24	41
6	21	7.2	38	15900	20500	e1100	14100	e985	e173	401	25	68
7	22	5.6	43	9900	18400	e600	13000	e740	e90	168	23	108
8	21	9.8	52	5960	15300	e350	9380	e515	e45	706	19	105
9	21	10	48	11400	11600	4380	4410	e360	e29	426	19	519
10	17	10	138	13500	8580	2280	e2000	e250	e25	224	250	1180
11	21	6.7	1860	9740	5370	692	e860	e180	e22	150	422	927
12	21	4.1	9240	5010	e4150	e370	e600	e135	e73	1000	309	548
13	18	3.8	11200	2000	e3600	5460	e460	837	e105	663	197	336
14	15	369	9330	1190	e3200	9340	e350	565	e159	542	129	216
15	15	1200	5140	e637	e2950	8950	9420	305	919	445	92	148
16	14	1320	e1070	e300	e2650	7490	12000	201	1600	232	72	101
17	15	925	e650	e160	e2430	5850	6810	177	1050	e130	47	63
18	16	443	e420	e115	e2200	4080	2850	1280	372	e70	35	36
19	18	150	e275	e80	e1950	1550	1560	1040	e199	e50	28	31
20	18	195	e185	e58	e1770	e515	1150	489	e100	e42	43	30
21	17	889	e90	e45	e1590	e315	1060	237	e50	e38	52	31
22	13	799	e2300	e2000	e1400	e200	930	171	e20	e36	68	32
23	11	369	5290	12100	e1240	e142	752	e113	371	e34	82	31
24	8.7	196	5660	14100	e1100	e108	648	e78	988	e32	92	29
25	7.2	111	6720	14300	e940	e350	533	e55	1580	e50	120	29
26	6.4	76	4600	12900	e830	e450	533	e64	9890	e45	256	29
27	5.8	53	3190	7590	e740	e300	636	e56	14200	e37	336	29
28	5.3	49	5140	3270	e630	e200	1900	e51	13700	e30	288	28
29	4.8	45	7370	11100	---	e140	2110	e47	10900	e25	231	143
30	4.6	41	5230	19400	---	e300	1000	e44	6390	e35	193	388
31	7.0	---	2890	e22200	---	599	---	e174	---	e30	129	---
TOTAL	472.8	7319.7	88364	258385	229620	64381	112311	11909	66146	10851	3696	5553
MEAN	15.3	244	2850	8335	8201	2077	3744	384	2205	350	119	185
MAX	23	1320	11200	22200	24000	9340	14100	1280	14200	2510	422	1180
MIN	4.6	3.8	36	45	630	108	185	44	20	25	19	28
AC-FT	938	14520	175300	512500	455500	127700	222800	23620	131200	21520	7330	11010
CAL YR 1998	TOTAL 771495.5			MEAN 2114		MAX 17400		MIN 3.8		AC-FT 1530000		
WTR YR 1999	TOTAL 859008.5			MEAN 2353		MAX 24000		MIN 3.8		AC-FT 1704000		

e Estimated

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.39	.22	.61	8.92	---	12.62	9.54	4.84	3.14	13.77	---	1.00
2	.39	.22	.65	15.69	---	12.18	8.93	4.24	3.44	10.61	---	.98
3	.39	.11	.62	23.26	---	13.64	8.61	3.83	3.62	8.40	---	1.07
4	.39	.14	.57	23.94	---	12.64	19.40	3.56	3.02	6.30	---	.84
5	.38	.15	.58	23.90	---	11.56	24.04	3.80	2.17	4.22	.43	.63
6	.39	.19	.60	23.33	27.85	10.40	24.53	5.93	---	2.41	.44	.86
7	.40	.15	.65	20.60	27.58	9.39	24.26	5.07	---	1.50	.41	1.16
8	.41	.23	.74	17.54	27.05	8.83	22.76	4.56	---	3.34	.36	1.13
9	.40	.24	.70	20.67	26.23	13.76	19.20	3.88	---	2.52	.35	2.76
10	.35	.25	1.24	22.27	25.19	11.65	15.36	3.15	---	1.76	1.77	4.59
11	.41	.18	6.38	20.42	23.84	9.39	13.60	2.72	---	1.40	2.52	3.93
12	.40	.13	20.46	16.59	22.25	8.58	12.65	2.82	---	4.12	2.12	2.89
13	.37	.12	22.81	13.66	20.83	15.19	11.95	3.70	---	3.22	1.65	2.14
14	.32	2.00	22.06	12.34	19.69	20.52	11.70	2.95	---	2.89	1.29	1.62
15	.32	4.64	18.94	11.26	18.92	20.24	19.32	2.10	3.77	2.59	1.05	1.25
16	.31	4.93	15.10	9.97	18.37	18.73	22.03	1.67	5.59	1.80	.90	.95
17	.32	3.92	13.01	8.75	17.94	16.81	18.36	1.56	4.23	---	.69	.67
18	.34	2.57	11.54	7.74	17.56	14.54	13.90	4.81	2.33	---	.56	.41
19	.36	1.41	10.70	7.11	17.12	11.39	12.11	4.23	---	---	.48	.36
20	.36	1.59	9.79	6.45	16.73	9.36	11.15	2.72	---	---	.64	.35
21	.35	3.82	8.43	5.87	16.31	8.31	10.37	1.83	---	---	.73	.35
22	.29	3.59	9.50	10.01	15.89	7.66	9.55	1.53	---	---	.87	.37
23	.26	2.33	13.71	21.42	15.45	7.29	8.60	---	---	---	.98	.35
24	.22	1.64	14.79	23.50	14.98	7.18	7.78	---	4.09	---	1.05	.34
25	.19	1.17	16.14	23.74	14.52	8.62	7.04	---	5.20	---	1.24	.33
26	.18	.94	14.01	23.23	14.04	9.34	6.48	---	18.86	---	1.89	.33
27	.16	.75	11.63	19.81	13.65	8.96	6.05	---	23.57	---	2.22	.33
28	.15	.71	13.50	14.67	13.15	8.64	7.60	---	23.76	---	2.04	.32
29	.13	.67	16.39	21.15	---	8.28	8.00	---	22.53	---	1.81	1.05
30	.12	.63	14.54	26.65	---	9.21	6.10	---	18.87	---	1.64	2.32
31	.18	---	11.49	---	---	10.07	---	---	---	---	1.29	---
MAX	.41	4.93	22.81	---	---	20.52	---	---	---	---	---	4.59
MIN	.12	.11	.57	---	---	7.18	---	---	---	---	---	.32

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.--64 years (water years 1936-99), 356 ft³/s, 257,900 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 discharge, 3,070 ft³/s, Jan. 29; maximum gage height, 24.49 ft, Feb. 1; minimum discharge, 2.6 ft³/s, Oct. 2, 3, gage height, 5.22 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.3	13	871	2760	83	747	31	1330	1240	32	18
2	2.9	4.3	12	1260	2780	146	561	26	1150	1030	29	18
3	3.0	4.2	11	e1780	2780	523	416	24	929	863	27	15
4	3.4	4.3	11	e1760	2760	724	1550	25	732	717	25	12
5	3.9	4.4	11	e1460	2680	611	2190	29	573	579	22	9.3
6	4.4	4.4	12	1200	2570	525	2100	501	439	457	21	8.8
7	5.1	4.5	32	1060	2430	449	1800	902	344	365	25	9.3
8	4.8	6.3	e210	1330	2250	391	1460	800	259	297	24	11
9	4.5	7.2	e348	1800	1980	1020	1170	691	187	224	23	11
10	4.3	8.3	e332	1820	1670	1300	954	593	131	167	27	11
11	4.3	9.8	e1390	1590	1370	1110	784	509	81	116	43	11
12	4.5	11	e2750	1330	e1170	903	663	471	48	138	58	10
13	4.6	13	e2800	1100	862	1250	563	506	64	232	61	10
14	4.4	125	e2780	1030	687	1840	463	472	253	198	53	8.7
15	4.2	e515	2770	993	571	1680	568	395	606	140	44	7.7
16	4.1	e567	2750	857	489	1360	616	318	652	100	38	6.8
17	3.8	e406	2700	725	414	1080	518	243	511	73	28	5.8
18	3.6	e254	2590	606	350	859	439	223	381	55	22	5.0
19	3.9	149	2460	500	293	708	377	188	274	44	20	4.5
20	3.9	95	2270	420	254	592	329	150	190	38	19	4.5
21	3.8	160	2020	355	214	491	274	115	127	34	19	5.3
22	3.6	170	1810	1130	150	396	217	84	75	29	16	6.5
23	3.1	113	1690	2110	96	321	171	68	44	26	16	6.4
24	3.0	69	1810	2030	69	266	136	82	36	25	16	6.0
25	3.1	43	1730	1810	63	393	101	99	57	25	16	5.6
26	3.2	29	e1500	1520	54	456	68	87	543	26	16	5.5
27	3.2	22	1280	1230	48	347	56	290	1310	28	17	5.2
28	3.2	18	1380	999	51	275	47	476	1570	31	17	5.1
29	3.2	15	1470	1800	---	223	43	448	1540	34	19	4.2
30	3.2	13	1280	2950	---	201	38	460	1420	39	20	375
31	3.2	---	1060	2780	---	603	---	1020	---	36	18	---
TOTAL	116.5	2848.0	43282	42206	31865	21126	19419	10326	15856	7406	831	660.0
MEAN	3.76	94.9	1396	1361	1138	681	647	333	529	239	26.8	22.0
MAX	5.1	567	2800	2950	2780	1840	2190	1020	1570	1240	61	375
MIN	2.9	3.3	11	355	48	83	38	24	36	25	16	4.5
AC-FT	231	5650	85850	83720	63200	41900	38520	20480	31450	14690	1650	1310
CAL YR 1998	TOTAL 174948.5			MEAN 479		MAX 2800		MIN 2.9		AC-FT 347000		
WTR YR 1999	TOTAL 195941.5			MEAN 537		MAX 2950		MIN 2.9		AC-FT 388600		

e Estimated

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.24	5.25	5.58	15.68	24.49	6.83	12.74	6.00	15.59	15.81	6.02	5.72
2	5.23	5.30	5.56	16.99	24.48	7.58	11.87	5.91	15.13	14.91	5.96	5.71
3	5.24	5.29	5.54	---	24.40	10.62	10.69	5.87	14.05	13.96	5.91	5.64
4	5.26	5.30	5.52	---	24.25	12.25	16.37	5.87	12.88	13.02	5.88	5.55
5	5.28	5.30	5.51	---	23.98	11.84	19.98	5.96	11.71	11.94	5.81	5.48
6	5.30	5.30	5.55	17.25	23.59	11.20	20.34	10.35	10.54	10.85	5.79	5.46
7	5.33	5.31	5.97	16.52	23.10	10.53	19.73	13.20	9.51	9.87	5.87	5.48
8	5.32	5.37	---	17.41	22.45	9.93	18.66	13.03	8.69	9.05	5.86	5.52
9	5.31	5.41	---	19.18	21.58	13.56	17.50	12.41	8.02	8.37	5.83	5.54
10	5.30	5.44	---	19.48	20.51	15.73	16.36	11.69	7.42	7.82	5.92	5.54
11	5.30	5.49	---	18.77	19.31	15.20	15.29	10.98	6.80	7.25	6.22	5.52
12	5.31	5.53	---	17.74	---	14.26	14.21	10.53	6.30	7.48	6.48	5.51
13	5.31	5.59	---	16.69	16.80	15.78	13.09	10.70	6.52	8.45	6.52	5.50
14	5.30	7.18	---	16.05	15.65	18.64	11.89	10.52	8.58	8.13	6.39	5.46
15	5.29	10.62	24.30	15.61	14.54	18.53	11.82	9.90	11.22	7.53	6.24	5.42
16	5.29	10.98	24.12	14.75	13.45	17.43	12.08	9.19	11.72	7.05	6.13	5.39
17	5.28	9.86	23.83	13.77	12.34	16.17	11.39	8.55	10.93	6.69	5.93	5.36
18	5.27	8.64	23.42	12.72	11.23	15.02	10.64	8.36	9.81	6.42	5.81	5.33
19	5.28	7.62	22.97	11.65	10.14	13.92	9.96	8.03	8.82	6.23	5.75	5.31
20	5.28	6.99	22.33	10.75	9.19	12.81	9.36	7.64	8.05	6.14	5.74	5.31
21	5.27	7.74	21.48	9.96	8.36	11.72	8.82	7.24	7.38	6.06	5.74	5.34
22	5.27	7.85	20.65	14.04	7.63	10.63	8.31	6.84	6.72	5.97	5.68	5.38
23	5.24	7.21	20.06	19.70	7.00	9.64	7.86	6.62	6.24	5.91	5.67	5.38
24	5.24	6.64	20.32	20.22	6.63	8.86	7.49	6.81	6.10	5.88	5.67	5.37
25	5.24	6.22	20.01	19.70	6.54	10.00	7.06	7.04	6.44	5.87	5.66	5.35
26	5.25	5.96	19.17	18.73	6.41	11.01	6.62	6.89	10.66	5.90	5.66	5.35
27	5.25	5.80	18.19	17.57	6.31	10.29	6.44	8.89	15.05	5.94	5.68	5.33
28	5.25	5.71	18.33	16.40	6.35	9.36	6.29	10.37	16.72	5.99	5.69	5.33
29	5.25	5.63	18.54	18.92	---	8.47	6.22	10.22	16.93	6.07	5.73	6.05
30	5.25	5.59	17.80	24.17	---	8.16	6.14	10.26	16.55	6.15	5.77	9.60
31	5.25	---	16.73	24.46	---	11.20	---	13.53	---	6.10	5.71	---
MAX	5.33	10.98	---	---	---	18.64	20.34	13.53	16.93	15.81	6.52	9.60
MIN	5.23	5.25	---	---	---	6.83	6.14	5.87	6.10	5.87	5.66	5.31

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, 9,570 ft³/s, Jan. 31, gage height 23.39 ft; maximum gage height, 23.69 ft, Feb. 1; minimum, 6.11 ft, Jun. 12.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.56	6.64	6.73	8.04	23.65	7.75	7.94	6.82	9.22	8.93	7.23	6.79
2	7.55	6.71	6.71	10.46	23.46	7.44	7.52	6.75	8.53	7.50	7.37	6.77
3	7.53	6.71	6.71	14.40	23.10	9.89	7.30	6.64	7.88	7.13	7.35	6.77
4	7.34	6.71	6.70	15.15	22.51	9.72	12.08	6.61	7.41	6.98	7.28	6.84
5	6.97	6.69	6.70	14.20	21.57	8.39	16.43	7.01	7.01	6.85	7.16	7.02
6	6.76	6.67	6.71	12.38	20.22	7.66	17.06	9.81	6.70	6.58	7.05	7.09
7	6.71	6.66	7.63	10.12	18.45	7.33	15.88	8.75	6.58	6.48	6.88	7.09
8	6.68	6.73	8.07	9.75	16.37	7.29	13.65	7.84	6.55	6.78	6.90	7.10
9	6.69	6.72	7.58	12.61	14.22	10.74	10.82	7.39	6.46	7.21	7.00	7.18
10	6.70	6.76	7.23	14.67	12.40	10.41	8.43	7.13	6.37	7.48	7.45	7.26
11	6.70	6.81	9.79	14.10	10.60	8.53	7.72	6.92	6.30	7.61	7.69	7.31
12	6.70	6.79	17.82	12.12	8.90	7.88	7.49	7.13	6.17	7.78	7.53	7.27
13	6.71	6.80	20.32	9.54	7.99	9.78	7.35	7.91	6.24	7.70	7.40	7.19
14	6.69	7.97	19.88	8.67	7.76	12.44	7.40	7.80	7.44	7.57	7.25	7.12
15	6.68	8.48	18.26	8.29	7.62	11.74	10.30	7.40	9.21	7.40	7.10	7.02
16	6.68	7.85	15.98	7.84	7.53	9.37	11.79	7.11	8.30	7.31	6.92	6.86
17	6.67	7.49	13.41	7.59	7.46	8.08	11.28	6.96	7.64	7.24	6.66	6.77
18	6.69	7.24	10.68	7.46	7.39	7.70	9.62	7.29	7.22	7.44	6.75	6.73
19	6.71	7.04	8.75	7.34	7.36	7.47	8.49	7.32	6.83	7.63	6.88	6.68
20	6.71	7.12	8.04	7.27	7.30	7.33	8.03	7.13	6.74	7.62	6.83	6.64
21	6.71	7.67	7.65	7.23	7.18	7.23	7.77	7.01	6.70	7.49	6.73	6.62
22	6.70	7.53	8.42	10.04	7.08	7.14	7.56	6.98	6.53	7.23	6.66	6.60
23	6.67	7.36	9.50	14.03	7.05	7.09	7.41	6.96	6.48	7.29	6.58	6.60
24	6.66	7.23	10.47	14.76	7.03	7.11	7.28	7.06	6.55	7.33	6.61	6.62
25	6.67	7.11	11.13	13.87	7.01	7.61	7.18	6.94	7.54	7.35	6.80	6.64
26	6.68	7.03	10.36	12.19	7.04	7.99	7.12	7.18	11.32	7.36	6.91	6.67
27	6.68	6.88	9.18	9.93	7.14	7.52	7.11	7.81	14.55	7.31	6.97	6.68
28	6.66	6.78	9.89	8.33	8.23	7.22	7.07	7.41	15.50	7.22	7.01	6.70
29	6.64	6.75	10.57	12.01	---	7.08	7.00	7.09	14.49	7.14	6.98	7.33
30	6.64	6.73	9.51	21.52	---	7.31	6.91	7.21	12.13	7.12	6.93	7.76
31	6.63	---	8.51	23.49	---	8.12	---	9.08	---	7.12	6.85	---
MAX	7.56	8.48	20.32	23.49	23.65	12.44	17.06	9.81	15.50	8.93	7.69	7.76
MIN	6.63	6.64	6.70	7.23	7.01	7.08	6.91	6.61	6.17	6.48	6.58	6.60

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 discharge, 23,200 ft³/s, gage height, 18.47 ft, Jan. 30; minimum gage height, not determined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.73	3.82	4.95	10.65	15.22	7.88	9.84	4.84	4.67	8.89	3.39	3.23
2	3.66	3.95	4.83	12.63	13.46	8.45	9.91	4.49	4.58	6.38	3.33	3.24
3	3.58	3.92	5.22	15.07	12.45	8.21	9.64	4.29	4.43	4.95	3.31	3.27
4	3.59	3.87	5.93	15.26	11.78	8.10	10.74	4.11	4.41	4.38	3.40	3.29
5	3.76	4.65	5.63	13.71	11.19	8.37	12.03	4.08	4.17	4.08	3.50	3.27
6	3.92	4.50	5.33	12.56	10.59	8.09	12.68	4.19	3.88	3.88	3.41	3.45
7	4.21	4.17	5.11	11.87	9.97	7.42	14.00	4.53	3.71	3.76	3.36	3.77
8	4.68	4.15	5.21	11.34	9.40	6.98	13.03	5.02	3.61	3.72	3.31	3.51
9	5.68	4.71	5.35	11.02	9.03	8.98	12.06	4.83	3.53	3.63	3.26	3.49
10	5.40	5.06	5.57	10.95	8.75	10.10	11.28	4.43	3.69	3.71	3.28	3.50
11	4.61	5.81	7.90	10.85	8.49	10.30	10.44	4.20	4.45	4.21	3.32	3.38
12	4.11	5.57	10.84	10.87	8.34	10.63	9.42	4.11	4.38	4.32	3.37	3.35
13	3.80	5.50	12.24	10.82	8.17	11.81	8.44	4.01	4.16	6.61	3.38	3.35
14	3.63	7.14	12.91	10.43	8.03	14.02	7.79	3.99	4.66	8.49	3.37	3.36
15	3.65	9.52	12.83	9.82	7.90	14.29	8.32	3.94	5.89	7.63	3.42	3.33
16	3.60	9.99	12.13	9.20	7.63	13.24	8.28	3.90	5.82	5.76	3.40	3.28
17	3.53	10.05	11.42	8.74	7.40	12.30	7.82	3.86	4.89	4.76	3.37	3.26
18	3.52	10.00	10.55	8.40	7.29	11.58	7.35	3.80	4.14	4.22	3.35	3.25
19	3.56	9.29	9.79	8.14	7.20	10.87	6.66	3.72	3.83	4.93	3.29	3.24
20	3.60	8.40	9.64	7.89	7.13	10.10	6.13	3.69	3.75	5.90	3.21	3.24
21	3.62	8.62	9.83	7.65	6.98	9.32	5.81	3.91	3.72	5.04	3.13	3.24
22	3.64	8.05	10.04	9.73	6.78	8.80	5.59	4.00	3.55	4.27	3.07	3.22
23	3.61	8.18	9.99	12.98	6.63	8.44	5.45	3.82	3.61	3.87	3.02	3.28
24	3.62	7.72	10.11	13.52	6.50	8.22	5.26	3.69	3.66	3.65	2.98	3.34
25	3.72	6.84	10.49	13.37	6.39	9.03	5.08	3.79	4.20	3.55	---	3.31
26	3.68	6.15	10.74	12.48	6.30	10.08	4.95	3.84	7.94	3.50	---	3.27
27	3.69	5.74	10.90	11.73	6.25	10.16	4.98	3.69	8.70	3.45	2.99	3.27
28	3.85	5.48	10.83	11.01	6.41	10.35	5.11	3.59	9.28	3.40	3.00	3.30
29	3.86	5.29	10.62	12.88	---	10.12	5.18	3.54	10.22	3.34	---	3.39
30	3.80	5.08	10.57	17.72	---	9.53	5.17	3.73	10.57	3.31	3.09	3.41
31	3.74	---	10.63	17.60	---	9.59	---	4.57	---	3.35	3.20	---
MAX	5.68	10.05	12.91	17.72	15.22	14.29	14.00	5.02	10.57	8.89	3.50	3.77
MIN	3.52	3.82	4.83	7.65	6.25	6.93	4.95	3.54	3.53	3.31	2.97	3.22

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.--41 years, (1928-1996, 1998 to current), 2,321 ft³/s, 1,682,000 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 FOR CURRENT YEAR.--Maximum discharge, 77,500 ft³/s, Feb. 1, gage height 42.46 ft; maximum gage height 42.52 ft. Feb. 1; minimum daily discharge 23 ft³/s, Sep. 27-29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	e35	383	4480	75700	e360	e3500	372	142	741	e60	e28
2	83	e46	314	e3400	71300	e335	e3190	360	135	856	e57	e28
3	83	58	258	e4000	58100	e400	e2660	334	127	918	e54	e32
4	85	66	222	e4700	44700	e380	e2300	313	144	902	e52	e33
5	78	69	199	e5470	31400	e340	e7400	281	160	854	e49	e30
6	74	67	181	e6300	22300	e300	e9300	e256	169	791	e47	e33
7	78	63	174	e9000	16000	e255	e10200	e247	167	698	e44	e32
8	79	62	222	11200	12800	e230	e10900	240	162	596	e42	e30
9	77	63	969	14100	10900	e675	e10700	231	143	369	e40	e28
10	71	84	861	14900	9330	e1150	e10300	195	156	287	e38	e26
11	65	e125	e1350	13600	7490	e1000	e9800	179	166	229	e36	e33
12	61	e175	e4400	12200	5550	e680	e9200	174	141	205	e35	e34
13	63	e200	e7500	11000	4160	e2000	e8700	188	136	174	e33	e32
14	75	e205	e9500	9890	2810	e3900	e7900	200	196	150	e33	e33
15	95	e1000	12200	9070	1810	e5900	6730	192	195	126	e36	e36
16	101	e2400	12200	8150	1170	e8000	5650	175	258	116	e34	e37
17	92	e2120	10800	7100	750	e9600	5040	155	259	118	e34	e34
18	78	1640	9510	5900	815	e11200	4690	137	220	169	e33	e32
19	67	1270	8590	4760	807	e11900	4360	134	199	342	e32	e29
20	58	1060	7890	3790	e710	e11800	3810	123	213	374	e31	e28
21	50	956	7170	3010	e630	e11000	2980	e120	210	302	e31	e27
22	e46	907	e6500	2520	e560	e9900	2090	e118	187	215	e32	e26
23	e43	933	5990	2860	e495	e8000	1430	e115	163	151	e32	e26
24	e41	1020	5560	3360	e455	e6000	1040	e113	147	120	e33	e25
25	e39	1090	5360	3640	e430	e4800	788	e116	141	129	e38	e24
26	e38	1070	4910	3840	e400	e4140	633	e125	146	130	e46	e24
27	e37	942	4490	3930	e370	e3900	540	162	220	113	e40	e23
28	e37	767	3970	4100	e365	e3500	464	142	275	95	e34	e23
29	e36	614	e4700	5420	---	e2970	417	125	418	82	e31	e23
30	e35	489	5070	10900	---	e2800	383	112	595	74	e29	e25
31	e35	---	4820	e32000	---	e3700	---	e120	---	65	e27	---
TOTAL	1991	19596	146263	238590	382307	131115	147095	5854	5990	10491	1193	874
MEAN	64.2	653	4718	7696	13650	4230	4903	189	200	338	38.5	29.1
MAX	101	2400	12200	32000	75700	11900	10900	372	595	918	60	37
MIN	35	35	174	2520	365	230	383	112	127	65	27	23
AC-FT	3950	38870	290100	473200	758300	260100	291800	11610	11880	20810	2370	1730
CFSM	.03	.34	2.48	4.05	7.19	2.23	2.58	.10	.11	.18	.02	.02
IN.	.04	.38	2.87	4.67	7.49	2.57	2.88	.11	.12	.21	.02	.02
CAL YR 1998	TOTAL 1109177		MEAN 3039		MAX 26400		MIN 29		AC-FT 2200000		CFSM 1.60	
WTR YR 1999	TOTAL 1091359		MEAN 2990		MAX 75700		MIN 23		AC-FT 2165000		CFSM 1.57	

e Estimated

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.00	---	9.03	23.38	42.31	19.08	25.93	10.19	10.29	11.25	---	---
2	5.90	---	8.41	24.83	42.32	18.49	25.44	10.09	10.25	11.74	---	---
3	5.90	5.53	7.93	27.71	41.40	18.44	24.75	10.02	10.07	12.03	---	---
4	5.93	5.65	7.57	28.88	39.86	18.32	27.12	9.97	9.94	11.99	---	---
5	5.84	5.70	7.33	29.53	38.01	17.68	29.71	9.92	9.89	11.76	---	---
6	5.77	5.66	7.14	30.00	36.21	16.91	30.67	9.83	9.88	11.46	---	---
7	5.83	5.61	8.41	30.61	34.54	16.25	31.22	9.78	9.90	10.96	---	---
8	5.85	5.59	11.64	32.28	33.04	15.61	31.45	9.79	9.82	10.64	---	---
9	5.81	5.60	12.89	33.73	31.80	18.09	31.30	9.83	9.77	9.33	---	---
10	5.73	5.91	12.14	34.03	30.79	20.02	31.10	9.86	9.75	8.41	---	---
11	5.63	6.66	16.21	33.67	29.79	19.42	30.82	9.89	9.76	7.85	---	---
12	5.58	7.08	27.69	33.10	28.67	18.37	30.40	9.87	9.71	7.49	---	---
13	5.60	7.23	30.39	32.52	27.37	21.83	29.92	9.90	9.78	7.16	---	---
14	5.79	11.87	31.73	31.92	26.00	26.07	29.31	9.96	9.82	6.86	---	---
15	6.07	17.38	33.05	31.24	24.74	27.61	28.43	9.98	9.80	6.59	---	---
16	6.15	20.33	33.23	30.45	23.83	29.20	27.25	10.00	9.90	6.40	---	---
17	6.03	19.30	32.53	29.48	23.39	30.79	26.03	10.01	9.92	6.38	---	---
18	5.84	15.98	31.66	28.24	23.15	31.71	25.02	10.01	9.83	6.73	---	---
19	5.66	13.96	30.91	26.51	22.89	32.07	24.10	10.03	9.73	8.30	---	---
20	5.52	12.93	30.16	23.90	22.60	32.02	22.84	10.03	9.73	8.77	---	---
21	5.40	12.32	29.39	20.83	22.27	31.61	20.64	10.00	9.72	8.34	---	---
22	---	11.99	28.57	18.96	21.97	30.97	17.88	9.99	9.69	7.61	---	---
23	---	12.03	27.65	19.80	21.58	30.14	15.71	9.97	9.68	6.93	---	---
24	---	12.40	26.82	21.05	21.19	29.08	14.30	9.98	9.82	6.48	---	---
25	---	12.74	26.15	21.62	20.79	27.91	13.30	9.98	9.83	6.46	---	---
26	---	12.68	25.27	22.02	20.34	27.23	12.50	10.01	10.02	6.52	---	---
27	---	12.17	24.14	22.26	19.86	26.89	11.85	10.13	10.13	6.32	---	---
28	---	11.35	23.79	22.65	19.48	26.31	11.17	10.13	10.02	6.07	---	---
29	---	10.50	24.95	25.41	---	25.47	10.62	10.12	10.16	5.88	---	---
30	---	9.74	25.01	31.96	---	25.45	10.33	10.15	10.70	5.75	---	---
31	---	---	24.31	39.72	---	26.01	---	10.23	---	5.62	---	---
MAX	---	---	33.23	39.72	42.32	32.07	31.45	10.23	10.70	12.03	---	---
MIN	---	---	7.14	18.96	19.48	15.61	10.33	9.78	9.68	5.62	---	---

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 rain gage 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)
Nov 15	2030	*3,680	*12.56	Jan 30	0930	2,310	11.20
Dec 12	0930	3,610	12.50	Apr 5	1530	1,680	10.36

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	17	29	56	127	43	56	26	40	21	14	15
2	16	50	29	499	94	41	49	26	28	20	15	16
3	30	29	29	282	79	69	56	27	23	19	22	13
4	35	21	29	97	74	50	1040	26	22	19	16	13
5	24	19	29	73	64	43	1110	28	21	18	14	12
6	44	18	28	66	61	42	341	27	20	18	14	19
7	40	18	56	172	60	39	118	25	26	20	13	21
8	26	20	82	483	58	38	84	25	22	66	13	50
9	21	26	62	155	59	54	70	23	20	30	13	40
10	20	51	51	92	52	47	60	24	21	24	15	18
11	19	46	435	73	49	41	52	28	24	21	13	15
12	19	26	2680	66	45	88	45	26	47	29	12	14
13	18	240	632	61	43	257	42	25	36	33	12	14
14	18	648	132	60	43	201	44	23	27	23	12	14
15	18	1430	87	55	43	82	43	23	23	20	11	14
16	18	1140	69	52	43	62	37	21	22	19	11	13
17	17	127	60	50	48	55	35	21	21	18	11	12
18	17	79	54	48	51	51	34	21	20	18	11	12
19	18	61	98	45	46	48	33	20	19	17	11	12
20	20	50	76	46	43	51	33	20	19	17	10	12
21	19	45	60	46	46	42	32	20	18	16	10	12
22	18	42	53	143	43	40	31	21	18	16	10	12
23	17	41	55	113	42	39	30	20	23	16	10	11
24	17	38	81	64	40	38	30	19	27	17	10	11
25	17	35	63	54	40	116	29	18	57	18	10	11
26	17	34	54	50	40	74	33	30	71	24	9.8	11
27	17	32	52	48	46	50	42	27	94	19	10	12
28	16	31	347	47	50	45	33	28	33	17	11	12
29	16	31	123	299	---	54	29	25	26	16	11	14
30	16	30	74	1510	---	91	27	27	23	16	10	13
31	16	---	60	362	---	69	---	51	---	15	9.6	---
TOTAL	640	4475	5769	5267	1529	2060	3698	771	891	660	374.4	468
MEAN	20.6	149	186	170	54.6	66.5	123	24.9	29.7	21.3	12.1	15.6
MAX	44	1430	2680	1510	127	257	1110	51	94	66	22	50
MIN	16	17	28	45	40	38	27	18	18	15	9.6	11
AC-FT	1270	8880	11440	10450	3030	4090	7330	1530	1770	1310	743	928
CFSM	.40	2.92	3.65	3.33	1.07	1.30	2.42	.49	.58	.42	.24	.31
IN.	.47	3.26	4.21	3.84	1.12	1.50	2.70	.56	.65	.48	.27	.34

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1999, BY WATER YEAR (WY)

MEAN	33.0	49.7	71.7	98.4	110	99.6	100	82.8	41.9	34.4	24.7	29.1
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1943 - 1999

ANNUAL TOTAL	27996.1	26602.4	
ANNUAL MEAN	76.7	72.9	64.8
HIGHEST ANNUAL MEAN			139
LOWEST ANNUAL MEAN			22.7
HIGHEST DAILY MEAN	2680	Dec 12	2680
LOWEST DAILY MEAN	9.4	Sep 10	9.6
ANNUAL SEVEN-DAY MINIMUM	9.9	Sep 4	10
INSTANTANEOUS PEAK FLOW			3680
INSTANTANEOUS PEAK STAGE			12.56
INSTANTANEOUS LOW FLOW			^a 8.8
INSTANTANEOUS LOW STAGE			^a 2.72
ANNUAL RUNOFF (AC-FT)	55530	52770	46930
ANNUAL RUNOFF (CFSM)	1.50	1.43	1.27
ANNUAL RUNOFF (INCHES)	20.42	19.40	17.26
10 PERCENT EXCEEDS	108	87	95
50 PERCENT EXCEEDS	29	29	30
90 PERCENT EXCEEDS	13	13	13

a Also occurred Sep 1.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.90	2.91	3.11	3.38	3.78	3.26	3.37	3.07	3.23	3.00	2.87	2.85
2	2.90	3.33	3.11	6.32	3.62	3.24	3.32	3.07	3.09	2.98	2.88	2.89
3	3.09	3.10	3.11	4.76	3.53	3.47	3.36	3.09	3.03	2.96	3.01	2.84
4	3.18	2.99	3.11	3.63	3.50	3.32	8.90	3.08	3.01	2.95	2.91	2.83
5	3.04	2.96	3.10	3.50	3.44	3.27	9.04	3.10	3.00	2.95	2.87	2.81
6	3.22	2.95	3.10	3.45	3.41	3.26	5.12	3.08	2.98	2.94	2.85	2.95
7	3.24	2.95	3.34	4.14	3.41	3.22	3.73	3.05	3.06	2.97	2.85	2.98
8	3.07	2.98	3.55	6.10	3.39	3.21	3.56	3.05	3.01	3.41	2.84	3.28
9	3.00	3.07	3.42	3.91	3.40	3.36	3.48	3.02	2.97	3.12	2.83	3.21
10	2.98	3.30	3.33	3.61	3.35	3.30	3.40	3.04	2.99	3.04	2.88	2.94
11	2.97	3.28	5.63	3.50	3.32	3.25	3.35	3.10	3.04	2.99	2.83	2.88
12	2.95	3.07	11.56	3.45	3.29	3.54	3.29	3.08	3.29	3.10	2.82	2.86
13	2.94	4.54	6.61	3.41	3.27	4.54	3.26	3.06	3.19	3.16	2.81	2.85
14	2.94	7.32	3.80	3.41	3.26	4.18	3.27	3.03	3.08	3.03	2.80	2.87
15	2.94	8.84	3.58	3.37	3.26	3.55	3.27	3.02	3.02	2.98	2.78	2.86
16	2.93	8.17	3.47	3.35	3.27	3.42	3.21	3.00	3.02	2.96	2.78	2.83
17	2.92	3.78	3.41	3.33	3.31	3.37	3.19	2.99	3.00	2.94	2.78	2.82
18	2.93	3.53	3.36	3.31	3.34	3.34	3.17	2.99	2.97	2.93	2.79	2.82
19	2.94	3.41	3.63	3.29	3.29	3.31	3.16	2.98	2.95	2.93	2.78	2.81
20	2.98	3.33	3.51	3.29	3.26	3.33	3.16	2.98	2.95	2.91	2.77	2.81
21	2.96	3.29	3.40	3.29	3.29	3.26	3.15	2.98	2.94	2.91	2.77	2.82
22	2.94	3.26	3.35	3.85	3.27	3.24	3.14	2.99	2.94	2.91	2.77	2.81
23	2.92	3.24	3.37	3.71	3.26	3.22	3.13	2.98	3.03	2.89	2.76	2.79
24	2.91	3.21	3.54	3.43	3.24	3.22	3.12	2.95	3.08	2.93	2.76	2.78
25	2.92	3.19	3.43	3.36	3.23	3.69	3.11	2.95	3.37	2.93	2.76	2.78
26	2.92	3.17	3.36	3.33	3.24	3.50	3.15	3.11	3.43	3.04	2.75	2.78
27	2.92	3.15	3.34	3.31	3.29	3.32	3.25	3.08	3.59	2.96	2.76	2.80
28	2.91	3.14	5.17	3.30	3.33	3.29	3.16	3.10	3.16	2.92	2.80	2.82
29	2.90	3.13	3.76	4.93	---	3.36	3.11	3.05	3.06	2.91	2.78	2.86
30	2.90	3.12	3.50	9.90	---	3.60	3.09	3.07	3.02	2.90	2.76	2.85
31	2.91	---	3.41	5.27	---	3.47	---	3.34	---	2.87	2.75	---
MAX	3.24	8.84	11.56	9.90	3.78	4.54	9.04	3.34	3.59	3.41	3.01	3.28
MIN	2.90	2.91	3.10	3.29	3.23	3.21	3.09	2.95	2.94	2.87	2.75	2.78

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 1998 TO SEPTEMBER 1999

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)	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...	1250	414000	419	8.00	13.5	5	110	9.4	1.7	840
DEC 08...	1130	292000	473	8.09	14.7	5	37	9.7	1.2	560
JAN 12...	1130	381000	375	8.03	4.5	20	60	12.4	2.2	1650
FEB 10...	1400	1030000	311	7.74	10.5	30	69	10.2	1.8	320
MAR 15...	1045	700000	387	8.10	9.0	15	73	10.6	1.0	300
30...	0945	931000	353	8.02	12.0	15	42	10.4	2.3	100
APR 19...	1130	766000	375	7.95	17.4	15	47	8.2	1.2	K74
28...	1200	591000	458	7.83	17.0	10	80	9.8	3.0	K57
MAY 06...	1200	760000	446	8.17	18.5	15	90	9.1	1.8	380
26...	1045	737000	395	8.07	23.0	5	35	7.0	.9	K82
JUN 10...	1200	590000	452	7.90	26.0	5	129	6.7	.8	430
24...	1030	465000	444	7.84	26.5	10	91	7.0	.6	180
JUL 21...	1130	463000	396	7.79	29.4	5	106	6.8	.2	K150
AUG 05...	1030	300000	461	8.13	32.3	5	27	7.6	.4	K25
SEP 14...	1100	178000	522	7.84	28.2	0	24	7.5	--	K10

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 1998 TO SEPTEMBER 1999

DATE	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)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV 18...	230	110	140	38	12	27	4.0	114	47	29	.2
DEC 08...	160	K55	180	47	15	27	4.1	136	57	26	.2
JAN 12...	700	--	130	35	11	21	3.1	102	48	19	.1
FEB 10...	260	270	110	29	8.2	16	2.9	76	32	20	<.1
MAR 15...	270	190	140	37	11	18	2.5	104	45	21	.1
30...	K23	K17	130	36	10	19	2.5	95	41	22	.1
APR 19...	K21	K17	140	36	12	19	2.8	100	44	22	.2
28...	55	K27	170	44	15	25	3.1	120	60	27	.2
MAY 06...	250	--	160	43	13	22	3.1	114	52	29	.2
26...	K20	K51	160	43	13	17	2.9	118	41	18	.1
JUN 10...	115	60	170	44	14	20	3.2	127	51	24	.2
24...	160	83	180	46	15	20	3.7	128	50	21	.2
JUL 21...	92	88	150	39	12	17	3.7	115	42	20	.2
AUG 05...	K2	K17	180	46	15	20	3.3	128	58	19	.2
SEP 14...	<2	K6	200	50	18	29	4.0	148	72	23	.3
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 18...	8.0	256	238	<.01	1.3	.02	.3	.3	.13	.09	.10
DEC 08...	9.1	304	268	.03	1.5	.04	.7	.3	.10	--	.11
JAN 12...	7.0	227	209	.01	1.0	.08	.7	.3	.24	.06	.05
FEB 10...	6.2	178	167	.01	1.6	.03	.6	.3	.27	.06	
MAR 15...	6.4	231	211	.02	1.6	.03	.7	.2	.28	.06	.06
30...	5.9	206	197	.02	1.3	.03	.6	.3	.20	.05	.05
APR 19...	5.1	223	206	.02	1.1	<.02	.6	.2	.17	.05	.05
28...	6.7	278	256	<.01	2.0	.03	.8	.3	.27	.08	.07
MAY 06...	7.9	272	250	<.01	2.8	.04	.8	.3	.27	.08	.07
26...	7.2	223	222	<.01	2.2	<.02	.7	.2	.20	.08	.07
JUN 10...	8.0	268	253	<.01	2.9	<.02	.8	.3	.36	.10	.10
24...	8.9	266	252	<.01	2.6	.03	.8	.3	.34	.11	.11
JUL 21...	7.7	233	213	<.01	2.0	<.02	.7	.3	.30	.11	.10
AUG 05...	7.4	274	260	<.01	1.8	<.02	.6	.3	.23	.11	.10
SEP 14...	7.0	316	297	<.01	.95	<.02	.5	.2	.18	.10	.09

< 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 1998 TO SEPTEMBER 1999

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...	--	--	2	--	--	46.8	--	--	--	--	<10	--
DEC 08...	5	<1	1	77	<1	51.7	<1	2	<1	2	E9	<1
JAN 12...	2	<1	1	57	<1	41.4	<1	10	<1	1	<10	<1
FEB 10...	--	--	<1	--	--	25.5	--	--	--	--	E8	--
MAR 15...	--	--	1	--	--	34.3	--	--	--	--	E7	--
30...	--	--	<1	--	--	30.1	--	--	--	--	<10	--
APR 19...	--	--	<1	--	--	43.0	--	--	--	--	<10	--
28...	--	--	1	--	--	43.0	--	--	--	--	<10	--
MAY 06...	--	--	<1	--	--	34.4	--	--	--	--	<10	--
26...	3	<1	2	67	<1	40.4	<1	<1	<1	2	<10	<1
JUN 10...	4	<1	2	69	<1	40.5	<1	<1	<1	2	<10	<1
24...	--	--	2	--	--	75.1	--	--	--	--	<10	--
JUL 21...	--	--	1	--	--	41.5	--	--	--	--	<10	--
AUG 05...	--	--	2	--	--	47.9	--	--	--	--	<10	--
SEP 14...	--	--	3	--	--	65.3	--	--	--	--	<10	--

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 ASC) (00689)
NOV 18...	8	--	--	--	<1	--	200	<10	--	--	4.0	3.4
DEC 08...	10	<1	2	2	<1	<1	230	<10	4	2	3.6	1.9
JAN 12...	7	2	2	2	<1	<1	180	<10	6	<1	3.8	1.7
FEB 10...	E3	--	--	--	<1	--	130	<10	--	--	3.7	1.6
MAR 15...	E4	--	--	--	<1	--	160	<10	--	--	3.1	.9
30...	E4	--	--	--	<1	--	160	<10	--	--	3.4	1.4
APR 19...	E5	--	--	--	<1	--	160	<10	--	--	3.7	1.4
28...	9	--	--	--	<1	--	200	<10	--	--	3.6	3.6
MAY 06...	7	--	--	--	<1	--	200	<10	--	--	4.1	3.7
26...	7	<1	1	2	<1	<1	180	<10	1	1	3.5	3.5
JUN 10...	E5	<1	2	2	2	<1	200	<10	2	2	3.9	5.8
24...	7	--	--	--	<1	--	200	<10	--	--	5.8	5.1
JUL 21...	<6	--	--	--	<1	--	200	<10	--	--	3.8	5.0
AUG 05...	10	--	--	--	2	--	220	<10	--	--	3.3	2.3
SEP 14...	14	--	--	--	2	--	240	<10	--	--	3.7	2.3

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E Estimated.

LOWER MISSISSIPPI RIVER BASIN
07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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 18...	<.007	<.002	.016	<.018	E.037	<.004	<.003	<.002	<.006	<.004	<.004
DEC 08...	<.007	<.002	.014	E.004	E.046	.024	<.003	<.002	<.006	<.004	<.004
JAN 12...	<.007	<.002	.030	E.004	E.023	.009	<.003	<.002	<.006	<.004	<.004
FEB 10...	<.007	<.002	.023	E.003	E.022	.013	<.003	<.002	<.006	<.004	<.004
MAR 15...	<.007	<.002	.015	E.003	E.019	.012	<.003	<.002	<.006	<.004	<.004
30...	<.007	<.002	.021	E.006	E.014	.013	<.003	<.002	<.006	<.004	<.004
APR 19...	<.007	<.002	.277	E.003	E.033	.029	<.003	<.002	<.006	<.004	<.004
28...	<.007	<.002	.071	E.003	E.041	.032	<.003	<.002	<.006	<.004	<.004
MAY 06...	<.007	<.002	.047	E.005	E.071	.064	<.003	<.002	<.006	<.004	<.004
26...	<.007	<.002	.210	<.018	E.070	.086	<.003	<.002	<.006	<.004	<.004
JUN 10...	<.007	<.002	.024	E.011	E.116	.009	<.003	<.002	<.006	<.004	<.004
24...	<.007	<.002	.043	E.012	E.271	.029	<.003	<.002	<.006	<.004	<.004
JUL 21...	<.007	<.002	.024	E.012	E.223	.120	<.003	<.002	<.006	<.004	<.004
AUG 05...	<.007	<.002	.018	E.008	E.141	.061	<.003	<.002	<.006	<.004	<.004
SEP 14...	<.007	<.002	.017	E.014	E.059	.021	<.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 18...	<.001	.049	<.005	<.004	.024	.150	<.002	<.002	<.004	<.003	<.002
DEC 08...	<.001	.068	<.005	<.004	<.002	.161	E.004	.007	<.004	<.003	<.002
JAN 12...	<.001	.042	<.005	<.004	<.002	.077	E.004	.006	<.004	<.003	<.002
FEB 10...	<.001	.043	<.005	<.004	E.002	.077	E.001	.007	<.005	<.003	<.002
MAR 15...	<.001	.034	<.005	<.004	E.004	.078	E.003	.014	<.004	<.003	<.002
30...	<.001	.042	<.005	<.004	.005	.113	<.002	.012	<.004	<.003	.005
APR 19...	<.001	.162	<.005	<.004	E.003	.836	.012	.019	.011	<.003	E.002
28...	<.001	.205	<.005	<.004	E.003	.722	.012	.077	.008	<.003	E.001
MAY 06...	<.001	.457	<.005	<.004	E.004	1.31	.014	.148	.015	<.003	E.004
26...	<.001	.458	<.005	<.004	.005	1.83	.022	.157	.015	<.003	E.001
JUN 10...	<.001	.754	.006	<.004	<.002	.142	.034	.478	.015	<.003	<.002
24...	<.001	.816	.009	<.004	<.002	.410	.054	.318	.025	<.003	<.002
JUL 21...	<.001	.363	<.005	<.004	<.002	.796	.020	.034	.010	<.003	<.002
AUG 05...	<.001	.224	<.005	<.004	<.002	.714	.018	.030	<.004	<.003	<.002
SEP 14...	<.001	.053	<.005	<.004	<.002	.212	<.002	<.002	<.004	<.003	<.002

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E Estimated.

LOWER MISSISSIPPI RIVER BASIN
07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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	E.004	<.004	<.003
DEC 08...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.008	<.004	<.003
JAN 12...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.007	<.004	<.003
FEB 10...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.009	<.004	<.003
MAR 15...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.008	<.004	<.003
30...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.014	<.004	<.003
APR 19...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.008	<.004	<.003
28...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004	<.003
MAY 06...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.010	<.004	<.003
26...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.010	<.004	<.003
JUN 10...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.010	<.004	<.003
24...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.010	.026	<.003
JUL 21...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	.033	<.003
AUG 05...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.008	.006	<.003
SEP 14...	<.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 18...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
DEC 08...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JAN 12...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
FEB 10...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
MAR 15...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
30...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
APR 19...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
28...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
MAY 06...	<.002	E.016	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
26...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JUN 10...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
24...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JUL 21...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
AUG 05...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
SEP 14...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002

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E Estimated.

LOWER MISSISSIPPI RIVER BASIN
07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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	<.1	354	396000	84
DEC 08...	<.004	<.003	<.013	<.001	<.005	.8	<.1	145	114000	91
JAN 12...	<.004	<.003	<.013	<.001	<.005	.8	<.1	--	--	--
FEB 10...	<.004	<.003	<.013	<.001	<.005	.8	<.1	228	634000	58
MAR 15...	<.004	<.003	<.013	<.001	<.005	.9	<.1	134	253000	81
30...	<.004	<.003	<.013	<.001	<.005	1.5	<.1	330	830000	83
APR 19...	<.004	<.003	<.013	<.001	<.005	.6	<.1	177	366000	64
28...	<.004	<.003	<.013	<.001	<.005	1.6	<.1	230	367000	98
MAY 06...	.005	<.003	<.013	<.001	<.005	--	--	277	568000	89
26...	<.004	<.003	<.013	<.001	<.005	1.5	<.1	156	310000	80
JUN 10...	<.004	<.003	<.013	<.020	<.005	1.2	<.1	236	376000	97
24...	E.001	<.003	<.013	<.001	<.005	2	.3	202	254000	95
JUL 21...	<.004	<.003	<.013	<.001	<.005	1.5	<.1	197	246000	95
AUG 05...	<.004	<.003	<.013	<.001	<.005	1.6	<.1	173	140000	96
SEP 14...	<.004	<.003	<.013	<.001	<.005	7.1	.5	70	33600	98

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

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 1998 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE	PH WATER WHOLE FIELD	TEMPER- ATURE WATER	COLOR (PLAT- INUM- COBALT	TUR- BID- ITY	OXYGEN, DIS- SOLVED	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY	COLI- FORM, TOTAL, IMMED.	COLI- FORM, FECAL, 0.7	HARD- NESS TOTAL
		(US/CM) (00095)	(STAND- ARD UNITS) (00400)	(DEG C) (00010)	UNITS) (00080)	(NTU) (00076)	(MG/L) (00300)	(MG/L) (00310)	(COLS. PER 100 ML) (31501)	UM-MF (COLS./ 100 ML) (31625)	(MG/L AS CACO3) (00900)
MAR 31...	1100	358	7.85	11.5	20	5.9	10.0	2.5	610	360	130
APR 29...	1100	448	7.92	18.5	5	10	8.4	1.5	--	--	170
MAY 27...	1000	391	7.71	18.5	.0	--	6.5	.7	230	55	160
AUG 11...	0830	481	8.15	32.0	5	14	6.9	1.3	--	880	190
SEP 15...	1115	551	7.81	28.8	.0	6.6	7.1	--	K62	K56	190
DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED	ANC WATER UNFLTRD FET FIELD	SULFATE DIS- SOLVED	CHLO- RIDE, DIS- SOLVED	FLUO- RIDE, DIS- SOLVED	SILICA, DIS- SOLVED	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED	RESIDUE TOTAL AT 105 DEG C, SUS- PENDE	NITRO- GEN, NITRITE TOTAL	NITRO- GEN, NITRITE DIS- SOLVED
		(MG/L AS MG) (00925)	MG/L AS CACO3 (00410)	(MG/L AS SO4) (00945)	(MG/L AS CL) (00940)	(MG/L AS F) (00950)	(MG/L SIO2) (00955)	(MG/L) (70300)	(MG/L) (00530)	(MG/L AS N) (00615)	(MG/L AS N) (00613)
MAR 31...	36	9.9	93	40	24	.17	6.2	212	120	<.01	.02
APR 29...	45	14	117	56	29	.21	6.0	281	180	<.01	.01
MAY 27...	43	13	111	44	22	.22	7.3	264	93	<.01	<.01
AUG 11...	48	16	137	61	26	.27	--	307	29	<.01	<.01
SEP 15...	48	16	141	72	34	.30	7.1	336	11	<.01	<.01

< 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 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO ₂ +NO ₃ 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)
MAR 31...	1.4	1.4	.02	<.01	.65	E.26	.21	E.07	E.16	.06
APR 29...	1.8	1.8	.03	.01	.68	E.28	.22	E.06	E.18	.07
MAY 27...	2.2	2.2	<.01	<.01	.49	E.20	.17	E.06	.09	.08
AUG 11...	1.9	1.8	.01	.01	.50	.34	.14	.09	.11	.11
SEP 15...	1.1	1.1	.03	<.01	.51	.42	.11	.11	E.15	.11

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)
MAR 31...	4.9	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
APR 29...	5.6	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
MAY 27...	28	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
AUG 11...	4.7	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
SEP 15...	4.4	<.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)
MAR 31...	<.050	<.050	E.021	<.050	<.050	<.050	E.032	<.20	<.050	<.050	E.033
APR 29...	<.050	<.050	.124	<.050	<.050	E.037	.085	E.110	<.050	E.014	.210
MAY 27...	<.050	<.050	.220	E.040	<.050	.110	.220	E.120	<.050	E.029	.510
AUG 11...	<.050	<.050	E.019	E.017	E.014	.081	.160	E.050	<.050	E.011	.190
SEP 15...	<.050	<.050	<.050	<.050	<.050	<.050	.088	<.200	<.050	<.050	.067

< 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)
MAR 31...	.073	.04	<.01	<.01	<.05	<.05	<.01	<.05	1.8	<.1
APR 29...	.53	--	--	--	E.027	.087	--	<.05	.33	<.1
MAY 27...	1.5	.08	<.01	<.01	E.034	.18	<.01	<.05	1.1	<.1
AUG 11...	.52	<.01	<.01	<.01	E.014	E.023	<.01	<.05	5.3	.29
SEP 15...	.21	<.05	<.03	<.03	<.05	<.05	<.04	<.05	2	.15

< 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 1998 TO SEPTEMBER 1999

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)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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)			
AUG 09...	1000	522	7.63	32.7	5	5.8	180	47	16			
DATE		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)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	
AUG 09...	33	3.9	128	59	34	.3	8.9	305	<.01	2.0		
DATE		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, DIS- SOLVED (MG/L AS P) (00671)	UV ABSORB- ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
AUG 09...	<.02	.5	.1	.19	.12	.12	.0938	110	4	3.4	1.2	

< 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

073745253 REGGIO CANAL NEAR WILLIS POINT, LA

LOCATION.--Lat 29°47'03", long 89°56'15", Plaquemines Parish, Hydrologic Unit 08090203, on a four-pile platform 6 miles southwest of Caemarvon.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1999 to September 1999.

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, 1.87 ft, Mar. 13, 1999; minimum, -0.57 ft, Apr. 19, 1999.

EXTREMES FOR CURRENT PERIOD.--Maximum elevation, 1.87 ft, Mar. 133; minimum, -1.11 ft., Jan. 4.

ELEVATION, IN FEET NAVD 1988, WATER YEAR JANUARY 1999 TO SEPTEMBER 1999

[illegible]

MISSISSIPPI RIVER DELTA

073745253 REGGIO CANAL NEAR WILLIS POINT, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR JANUARY 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.40	1.28	1.37	.28	.04	.17	1.29	1.21	1.24	1.19	.97	1.09
2	1.28	1.12	1.19	.36	.15	.27	1.29	1.19	1.22	1.19	1.08	1.12
3	1.19	1.11	1.16	.36	-.19	.10	1.23	1.13	1.17	1.11	.97	1.03
4	1.18	1.00	1.13	.52	-.18	.18	1.25	1.15	1.20	1.20	1.02	1.08
5	1.15	.94	1.04	.78	.52	.66	1.31	1.22	1.26	1.54	1.20	1.36
6	1.15	1.09	1.12	.76	.51	.60	1.32	1.13	1.22	1.62	1.49	1.55
7	1.14	.98	1.06	.79	.43	.56	1.13	.93	1.00	1.56	1.38	1.47
8	.98	.88	.92	1.21	.79	1.00	.97	.76	.84	1.49	1.35	1.41
9	.94	.81	.88	1.29	1.13	1.23	.79	.44	.58	1.49	1.33	1.40
10	.98	.90	.93	1.13	1.02	1.06	.60	.34	.45	1.57	1.37	1.44
11	1.03	.98	1.01	1.13	1.04	1.08	.65	.43	.54	1.53	1.46	1.50
12	1.01	.73	.84	1.47	1.10	1.27	.53	.40	.47	1.53	1.39	1.45
13	.77	.64	.71	1.87	1.47	1.68	.78	.46	.60	1.44	1.17	1.29
14	.74	.64	.71	1.77	1.39	1.60	1.00	.78	.89	1.17	1.07	1.11
15	.87	.73	.81	1.39	.87	1.13	1.00	.57	.83	---	---	---
16	.81	.67	.74	.87	.68	.77	.57	.31	.40	---	---	---
17	.86	.69	.78	.72	.65	.68	.41	-.15	.10	---	---	---
18	.81	.69	.76	.73	.65	.70	-.15	-.46	-.33	---	---	---
19	.76	.35	.57	.71	.62	.66	-.21	-.57	-.41	---	---	---
20	.70	.30	.49	.62	.42	.50	-.21	-.54	-.38	---	---	---
21	.69	.21	.47	.44	.13	.26	-.01	-.44	-.28	---	---	---
22	.44	.07	.19	.58	.19	.34	.53	-.01	.23	---	---	---
23	.47	.24	.36	.65	.43	.53	.70	.53	.62	---	---	---
24	.35	.05	.19	.66	.44	.55	.74	.57	.65	---	---	---
25	.36	.17	.28	.63	.33	.47	.64	.41	.52	---	---	---
26	.45	.26	.36	.50	.31	.41	.69	.54	.60	.64	.41	.51
27	.57	.37	.47	.64	.44	.52	.78	.67	.73	.46	.24	.33
28	.51	.11	.33	.90	.64	.77	.67	.56	.61	.59	.31	.43
29	---	---	---	.99	.90	.97	.64	.57	.61	.70	.42	.54
30	---	---	---	1.33	.97	1.18	.97	.57	.75	.82	.58	.69
31	---	---	---	1.37	1.25	1.32	---	---	---	.90	.70	.78
MONTH	1.40	.05	.75	1.87	-.19	.75	1.32	-.57	.60	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.00	.79	.88	.75	.58	.65	.50	.29	.39	1.28	.92	1.10
2	1.11	.93	1.01	.81	.57	.68	.63	.42	.52	1.76	1.28	1.61
3	1.12	1.00	1.05	1.03	.72	.84	.63	.45	.51	1.72	1.55	1.63
4	1.07	.85	.94	1.25	1.03	1.14	.70	.53	.61	1.55	1.37	1.45
5	.91	.73	.80	1.33	1.24	1.28	.87	.65	.78	1.37	1.12	1.24
6	1.00	.76	.86	1.31	1.17	1.26	.88	.70	.79	1.12	.84	.96
7	1.15	1.00	1.06	1.18	1.03	1.11	.89	.69	.79	.84	.70	.78
8	1.32	1.10	1.17	1.07	.98	1.02	.84	.71	.78	.80	.63	.72
9	1.27	1.17	1.21	1.19	.99	1.09	.91	.50	.70	.85	.66	.75
10	1.19	1.03	1.11	1.15	1.07	1.10	.82	.55	.66	.96	.75	.83
11	1.06	.96	1.01	1.08	.99	1.03	.64	.39	.48	1.00	.89	.93
12	1.07	.89	1.00	1.03	.87	.95	.46	.12	.24	1.22	1.00	1.09
13	1.18	.93	1.04	.94	.80	.85	.17	-.18	-.03	1.37	1.22	1.33
14	1.13	1.01	1.06	.84	.68	.77	.13	-.23	-.08	1.37	1.28	1.34
15	1.14	1.00	1.06	.92	.70	.80	.57	.13	.31	1.28	1.18	1.24
16	1.17	.98	1.10	1.01	.83	.91	.75	.57	.69	1.18	1.05	1.12
17	1.22	1.09	1.14	1.09	.92	1.00	.73	.51	.64	1.05	.95	1.00
18	1.38	1.14	1.23	1.11	1.03	1.08	---	---	---	1.02	.89	.96
19	1.43	1.29	1.33	1.11	1.03	1.07	---	---	---	1.31	.95	1.10
20	1.66	1.41	1.54	1.11	1.01	1.07	---	---	---	1.69	1.31	1.50
21	1.83	1.66	1.73	1.04	.94	.97	---	---	---	1.80	1.69	1.75
22	1.81	1.58	1.68	.95	.65	.79	---	---	---	1.78	1.62	1.68
23	1.58	1.38	1.47	.65	.50	.56	---	---	---	1.62	1.41	1.50
24	1.38	1.15	1.29	.87	.48	.64	---	---	---	1.41	1.28	1.33
25	1.27	1.08	1.15	.80	.67	.73	---	---	---	1.33	1.25	1.28
26	1.57	1.27	1.44	.72	.56	.62	---	---	---	1.34	1.29	1.31
27	1.53	1.32	1.43	.61	.44	.54	.54	.31	.42	1.45	1.34	1.40
28	1.32	1.09	1.20	.65	.40	.52	.71	.45	.55	1.56	1.45	1.52
29	1.09	.80	.92	.63	.43	.53	.72	.59	.65	1.55	1.42	1.50
30	.80	.61	.68	.56	.30	.40	.80	.66	.73	1.43	1.37	1.40
31	---	---	---	.50	.25	.36	.94	.79	.85	---	---	---
MONTH	1.83	.61	1.15	1.33	.25	.85	---	---	---	1.80	.63	1.25

MISSISSIPPI RIVER DELTA

073745253 REGGIO CANAL NEAR WILLIS POINT, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR JANUARY 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	465	446	453	637	544	579	1890	1100	1330	6370	1740	5040
2	490	449	471	653	608	639	1960	837	1170	6410	3890	5600
3	449	389	411	651	567	614	1110	944	1010	6260	1520	2890
4	464	380	408	920	649	746	1230	717	982	5550	1400	2330
5	476	376	446	1430	918	1080	1370	771	1100	8320	5550	7300
6	385	369	375	1170	720	976	1980	676	1090	8640	3530	6430
7	376	365	372	1060	650	770	954	721	826	3540	1910	2500
8	374	365	371	2010	1060	1360	1090	882	984	1910	1270	1590
9	421	360	385	2840	1920	2570	1130	791	922	1350	963	1120
10	368	347	356	1920	1100	1290	899	776	844	1080	775	941
11	384	349	357	1650	844	1220	1020	621	825	1260	799	1000
12	421	362	391	3110	842	1690	759	610	643	1280	872	1060
13	368	353	361	4750	2720	3920	837	679	748	1050	960	1010
14	370	364	367	2880	1370	1990	2860	837	2020	---	---	---
15	388	358	365	1410	1120	1250	2980	967	2220	---	---	---
16	435	388	408	1390	1190	1280	967	792	847	---	---	---
17	439	427	433	1220	1100	1160	1010	750	873	---	---	---
18	461	434	445	1160	1020	1090	898	791	829	---	---	---
19	452	420	439	1330	790	994	961	773	862	---	---	---
20	544	447	490	1130	853	936	992	805	903	---	---	---
21	616	418	511	1080	790	884	1020	789	893	---	---	---
22	608	489	554	1050	883	966	2880	989	1580	---	---	---
23	630	588	606	1170	765	1000	3550	2630	3200	---	---	---
24	612	490	552	1350	657	942	3570	1800	2730	---	---	---
25	581	521	559	900	532	699	2490	1480	1760	---	---	---
26	615	451	534	786	622	680	1870	1520	1670	779	548	635
27	744	457	614	923	782	825	3260	775	2190	736	628	680
28	644	421	541	1990	923	1530	812	627	738	628	505	555
29	---	---	---	2640	1860	2340	814	624	677	570	395	437
30	---	---	---	2800	1380	2270	1740	575	720	500	394	420
31	---	---	---	3330	1650	2630	---	---	---	433	398	408
MONTH	744	347	449	4750	532	1320	3570	575	1240	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	423	399	409	596	431	494	451	393	415	1490	781	975
2	430	394	408	511	472	484	429	387	403	2070	1490	1810
3	469	389	415	480	395	424	418	388	407	1960	1420	1650
4	583	406	460	627	399	478	433	401	415	1640	1180	1320
5	680	498	559	913	399	551	426	394	411	1440	1010	1160
6	873	563	704	591	454	507	456	398	438	1130	785	926
7	3620	843	2240	497	427	457	462	427	444	1160	762	881
8	3680	530	1920	453	397	431	477	425	449	1050	713	847
9	797	365	468	435	397	422	462	406	429	1010	663	872
10	505	389	458	426	403	411	639	415	549	1220	901	1040
11	572	471	508	426	399	412	814	586	665	1440	1030	1210
12	553	471	515	596	395	439	772	634	673	1750	1170	1490
13	519	441	494	595	445	503	735	638	685	2820	1750	2260
14	544	411	472	498	432	449	792	702	730	3000	2400	2760
15	472	391	429	438	365	407	1160	792	892	3340	2660	2980
16	554	420	464	425	358	380	1560	1160	1350	3260	2520	2990
17	485	438	466	388	364	374	1730	1240	1530	3220	2100	2470
18	479	408	433	408	363	390	---	---	---	3000	2260	2570
19	435	411	424	415	391	406	---	---	---	3090	2650	2810
20	2210	427	917	531	400	446	---	---	---	5350	3090	4200
21	2670	714	1980	474	400	442	---	---	---	6200	4750	5310
22	726	489	594	465	409	427	---	---	---	6300	4670	5470
23	551	469	499	446	409	431	---	---	---	5200	4350	4640
24	519	473	494	507	387	416	---	---	---	4690	4310	4520
25	544	460	490	554	388	445	---	---	---	4750	4470	4630
26	772	431	586	564	352	431	---	---	---	4960	4670	4810
27	604	465	522	434	391	412	486	386	441	5140	4610	4820
28	546	498	519	431	367	409	596	445	496	6350	5130	5790
29	528	502	511	444	374	403	695	596	653	6380	5520	6110
30	511	490	502	435	372	401	821	660	721	5520	4190	4730
31	---	---	---	451	397	427	1000	679	811	---	---	---
MONTH	3680	365	662	913	352	436	---	---	---	6380	663	2940

MISSISSIPPI RIVER DELTA

073745253 REGGIO CANAL NEAR WILLIS POINT, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR JANUARY 1999 TO SEPTEMBER 1999

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	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	18.1	15.4	16.4
28	---	---	---	---	---	---	---	---	---	17.0	13.0	14.7
29	---	---	---	---	---	---	---	---	---	14.8	12.3	13.7
30	---	---	---	---	---	---	---	---	---	15.4	13.7	14.5
31	---	---	---	---	---	---	---	---	---	15.1	13.4	14.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.2	12.6	14.2	20.7	18.1	19.7	21.3	19.3	20.2	24.3	22.4	22.9
2	16.9	15.4	16.2	21.2	19.2	20.0	23.3	20.4	21.7	25.4	23.0	24.0
3	15.4	11.9	13.1	20.4	17.9	18.9	24.5	23.0	23.6	25.8	23.4	24.6
4	18.4	12.5	14.9	18.0	16.3	17.1	25.2	23.9	24.5	25.2	23.8	24.4
5	18.3	16.5	17.6	18.1	15.4	16.8	25.5	24.3	24.9	26.8	24.0	25.1
6	16.5	13.7	14.9	20.4	17.4	18.8	27.0	24.8	25.8	28.2	25.5	26.8
7	17.0	14.9	15.7	20.7	16.8	19.2	28.1	25.9	26.9	28.3	27.0	27.8
8	17.3	16.3	16.8	17.7	16.0	16.9	28.2	26.2	27.2	28.1	26.6	27.4
9	20.9	16.1	18.1	20.5	17.7	18.7	27.7	25.5	26.7	28.0	26.5	27.2
10	17.8	16.0	16.9	20.7	19.1	19.8	28.2	25.2	26.8	27.5	25.5	26.6
11	19.9	16.0	17.3	21.1	19.5	20.3	28.2	26.4	27.3	25.5	24.5	25.0
12	20.3	12.7	17.3	20.6	18.0	19.4	28.5	26.6	27.5	25.2	23.8	24.4
13	12.7	9.7	11.2	19.0	18.0	18.4	27.3	25.9	26.6	27.4	24.3	25.6
14	12.7	9.7	11.1	18.3	13.5	16.0	26.1	24.8	25.3	28.7	26.0	27.3
15	13.7	11.0	12.1	14.9	10.9	13.0	26.1	24.5	25.2	---	---	---
16	15.8	13.1	14.3	17.4	12.9	15.2	24.5	19.0	20.7	---	---	---
17	16.5	15.5	15.9	20.2	16.3	17.9	20.7	18.0	19.3	---	---	---
18	18.1	15.9	16.6	21.2	17.9	19.5	20.6	17.8	19.3	---	---	---
19	17.9	16.2	17.1	22.6	19.5	21.1	23.3	19.3	21.2	---	---	---
20	17.6	15.5	16.6	23.5	21.0	22.3	24.6	21.2	22.5	---	---	---
21	17.1	13.6	15.8	22.4	20.1	21.0	25.5	22.4	23.6	---	---	---
22	13.6	8.3	10.3	21.6	19.6	20.5	24.9	22.8	23.8	---	---	---
23	13.8	11.0	12.6	21.1	19.9	20.6	26.9	24.2	25.2	---	---	---
24	15.9	12.9	14.4	23.0	20.4	21.6	28.4	25.7	26.9	---	---	---
25	17.4	14.6	15.8	23.6	21.1	22.6	29.3	26.9	28.1	31.2	28.7	29.5
26	18.7	16.0	17.2	22.7	20.4	21.5	28.5	27.7	28.1	30.3	28.4	29.3
27	19.6	17.8	18.6	21.2	19.7	20.4	28.1	26.1	27.3	30.9	28.8	29.7
28	19.9	18.3	19.1	19.8	18.0	18.7	28.6	25.3	26.7	31.6	28.8	30.0
29	---	---	---	20.0	18.7	19.6	29.4	27.0	28.0	29.9	27.9	28.7
30	---	---	---	19.8	18.4	18.9	27.0	24.3	26.1	28.5	27.5	28.0
31	---	---	---	19.7	17.7	18.6	---	---	---	28.3	26.6	27.5
MONTH	20.9	8.3	15.4	23.6	10.9	19.1	29.4	17.8	24.9	---	---	---

MISSISSIPPI RIVER DELTA

073745253 REGGIO CANAL NEAR WILLIS POINT, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR JANUARY 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.2	26.7	27.9	31.9	30.7	31.3	33.5	31.0	32.4	30.5	28.9	29.6
2	30.0	27.9	29.0	32.4	30.6	31.3	34.4	31.8	33.1	29.8	26.1	27.7
3	30.1	28.9	29.6	31.7	30.6	31.3	33.7	32.1	33.1	28.4	25.9	26.7
4	32.3	29.1	30.6	31.1	30.0	30.5	33.9	32.3	33.0	31.1	27.3	28.7
5	32.7	30.1	31.5	30.4	29.0	29.6	34.1	32.7	33.2	30.8	28.9	30.0
6	32.3	30.6	31.5	30.2	28.3	29.2	33.5	32.4	32.8	31.7	29.0	30.3
7	31.4	30.3	30.7	31.7	29.6	30.5	32.6	31.9	32.2	31.5	29.7	30.3
8	31.0	29.7	30.4	31.4	30.3	30.7	32.3	31.7	32.0	29.8	28.4	29.2
9	30.1	28.7	29.4	31.3	29.8	30.4	32.0	29.4	31.1	29.9	27.9	28.8
10	29.6	28.2	28.9	31.5	30.0	30.5	29.4	28.0	28.7	29.5	28.1	28.7
11	29.4	28.8	29.0	31.6	29.7	30.5	30.4	28.1	29.2	30.9	28.5	29.5
12	29.3	28.3	28.7	31.1	29.3	30.5	32.6	29.5	30.9	30.0	29.1	29.5
13	29.1	28.0	28.6	29.4	28.1	28.9	33.3	30.9	32.0	29.4	28.6	29.0
14	30.2	27.6	28.9	30.3	28.3	29.4	34.8	31.4	32.7	30.4	29.0	29.5
15	30.3	29.2	29.8	31.2	29.0	30.3	33.5	31.5	32.4	29.4	27.9	28.4
16	30.0	28.2	29.1	31.1	29.7	30.6	32.5	31.3	31.8	28.2	26.5	27.4
17	29.6	27.5	28.5	30.7	29.1	29.8	33.3	31.7	32.3	28.1	26.0	26.8
18	29.4	27.9	28.8	29.1	28.3	28.6	---	---	---	27.3	25.9	26.6
19	28.9	28.4	28.6	29.9	27.8	28.7	---	---	---	27.9	26.4	27.1
20	28.8	27.8	28.1	29.1	28.4	28.7	---	---	---	27.9	26.6	27.2
21	28.9	27.9	28.4	31.0	28.3	29.5	---	---	---	27.6	26.6	27.1
22	28.9	27.6	28.3	32.2	29.5	30.8	---	---	---	27.1	24.2	25.7
23	31.1	28.6	29.7	32.6	30.9	31.8	---	---	---	25.3	23.5	24.5
24	31.9	29.7	30.7	32.5	30.9	31.7	---	---	---	25.4	23.3	24.2
25	31.3	29.7	30.5	32.4	28.8	30.6	---	---	---	24.5	23.7	24.2
26	29.7	25.5	27.5	31.3	30.2	30.8	32.4	31.2	31.6	25.8	23.8	24.7
27	28.7	24.9	26.4	31.3	30.1	30.6	32.4	30.3	31.2	27.0	25.0	25.9
28	30.8	27.9	29.1	32.3	30.0	31.1	31.9	30.2	31.0	27.6	26.8	27.2
29	32.3	29.3	30.7	33.0	30.4	31.9	33.8	30.6	31.6	28.7	27.0	27.6
30	32.8	30.2	31.4	32.4	31.0	31.7	31.5	30.5	30.9	27.0	24.1	25.0
31	---	---	---	32.8	30.9	31.9	30.6	29.8	30.2	---	---	---
MONTH	32.8	24.9	29.3	33.0	27.8	30.4	---	---	---	31.7	23.3	27.6

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 NAVD 1988. Prior to Oct. 1, 1998, datum of gage is 3.40 ft below NAVD 1988.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.02 ft, present datum, Sep. 27, 1998; minimum, -2.14 ft, present datum, Dec. 31, 1997.

EXTREMES FOR CURRENT PERIOD.--Maximum elevation, 2.96 ft, Oct. 23; minimum, -1.11 ft, Jan. 4.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.81	.67	1.36	1.51	.94	1.26	.90	-.13	.40	1.39	-.13	.54
2	1.51	.68	1.12	1.56	.82	1.16	1.10	-.20	.42	1.63	.30	.95
3	1.48	.55	1.18	1.54	.26	.85	1.19	-.12	.53	.30	-.90	-.40
4	1.42	.55	1.02	1.73	.93	1.38	1.37	.19	.78	.06	-1.11	-.51
5	1.51	.80	1.22	1.78	.36	1.05	1.29	-.02	.61	.14	-.71	-.34
6	1.82	1.01	1.44	1.05	-.16	.43	1.29	.19	.72	.42	-.32	.12
7	1.81	.82	1.32	1.08	.08	.60	1.31	.31	.83	.60	-.28	.21
8	1.56	.87	1.21	1.24	-.12	.54	1.33	-.05	.65	.92	.18	.53
9	1.76	.94	1.37	1.15	.21	.69	1.14	.27	.86	.92	-.13	.37
10	1.69	.57	1.14	1.55	.74	1.13	1.39	.52	.99	.54	.10	.31
11	1.49	.52	1.02	1.37	.73	1.08	1.76	.71	1.37	.44	-.42	.00
12	1.35	.19	.81	1.56	.95	1.29	1.76	.68	1.23	.83	-.44	.10
13	1.09	.46	.82	1.24	.69	.96	.68	-.60	-.14	1.20	.07	.61
14	1.37	.71	1.08	1.09	.83	.96	.19	-.63	-.31	1.20	.06	.68
15	1.58	.94	1.37	1.15	.41	.80	.36	-.51	-.08	1.29	.09	.67
16	1.98	1.52	1.79	1.15	.30	.76	.37	-.57	-.14	1.30	-.01	.62
17	2.40	1.98	2.21	1.14	.07	.63	.37	-.96	-.33	1.27	.19	.73
18	2.25	1.61	1.96	1.16	.29	.78	.98	-.43	.15	1.26	-.08	.58
19	2.13	1.49	1.77	1.20	.06	.64	1.20	.12	.67	1.00	-.11	.48
20	1.82	1.27	1.59	1.25	.03	.59	1.27	.04	.69	1.10	-.08	.47
21	1.89	1.32	1.56	1.79	.64	1.09	1.46	.21	.79	1.16	.42	.76
22	2.12	1.45	1.89	2.03	.94	1.47	1.19	.07	.65	2.04	1.16	1.60
23	2.96	1.94	2.63	1.90	.59	1.21	1.32	.39	.89	1.74	-.10	.83
24	2.47	1.50	1.94	1.21	.10	.66	1.33	.07	.63	.60	-.31	.16
25	2.06	1.15	1.60	1.17	.10	.64	.82	.09	.46	.56	-.51	.04
26	1.89	.97	1.41	.74	-.37	.19	.73	.11	.36	.88	-.43	.21
27	1.74	.88	1.32	.44	-.14	.19	1.02	.11	.54	1.15	-.19	.42
28	1.67	1.09	1.40	.50	-.02	.17	1.02	.36	.60	1.48	.05	.70
29	1.82	1.13	1.52	.78	.11	.38	.85	-.14	.14	1.78	.50	1.11
30	1.61	.99	1.35	.85	.21	.56	.97	-.68	-.02	1.87	.81	1.35
31	1.43	.87	1.20	---	---	---	.98	-.27	.32	1.72	.37	1.01
MONTH	2.96	.19	1.44	2.03	-.37	.80	1.76	-.96	.49	2.04	-1.11	.48

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.55	.48	1.04	.90	-.17	.40	1.40	.98	1.25	2.04	.93	1.57
2	1.44	.44	.95	1.02	.23	.64	1.16	.86	.99	1.45	.66	1.06
3	1.13	.74	1.00	.90	-.57	.11	1.27	.87	1.04	1.29	.26	.77
4	1.12	.32	.75	1.18	.11	.83	1.55	.82	1.08	1.78	.63	1.28
5	1.32	.74	1.15	1.15	.65	.94	1.53	.77	1.17	2.89	1.59	2.39
6	1.13	.53	.83	.88	.35	.68	1.20	.62	.92	2.24	1.38	1.70
7	.88	.30	.53	1.55	.24	1.00	1.08	.13	.59	1.98	.81	1.38
8	.77	-.13	.29	2.48	1.16	1.86	.89	.09	.54	1.94	.80	1.36
9	1.20	.13	.65	2.07	.86	1.31	.58	-.20	.23	1.73	.96	1.41
10	1.24	.25	.76	1.63	.42	1.09	.96	-.16	.42	1.69	.99	1.37
11	1.49	.42	.97	1.44	.42	.94	.89	-.03	.41	1.63	.79	1.32
12	1.45	-.47	.37	2.69	1.01	1.70	.75	-.01	.35	1.53	.69	1.09
13	.69	-.43	.13	2.67	1.61	2.14	1.09	.37	.70	1.18	.14	.88
14	1.04	-.05	.39	2.05	-.13	.66	1.34	.62	.99	1.51	.11	.92
15	1.12	-.02	.58	.28	-1.06	-.53	1.50	-.64	.57	1.53	.57	1.11
16	1.46	.48	.99	.60	.05	.36	.83	-.76	.12	1.74	.63	1.23
17	1.62	.80	1.16	.79	.13	.49	-.01	-.69	-.38	1.70	.69	1.20
18	1.54	.88	1.22	.86	.30	.62	.04	-1.00	-.50	1.49	.50	1.00
19	1.18	.00	.45	.78	.18	.53	.23	-1.09	-.43	1.53	.15	.87
20	1.30	.18	.98	.85	.04	.47	.15	-1.11	-.50	1.28	.34	.86
21	.81	-.27	.41	.55	-.40	.10	.47	-1.03	-.30	1.10	.23	.70
22	1.26	-.41	.48	1.11	-.16	.51	1.18	-.14	.52	.92	.30	.63
23	.93	.07	.56	1.06	-.08	.49	1.04	.34	.74	.60	.07	.32
24	1.15	-.36	.37	.94	-.11	.45	.92	.20	.58	.31	-.25	.02
25	1.20	-.01	.62	.73	-.19	.30	.73	-.03	.42	.75	-.07	.37
26	1.42	-.05	.64	.79	.04	.43	.90	.32	.65	.33	-.58	.00
27	1.42	.30	.85	.96	.11	.53	1.22	.34	.88	.36	-.63	-.11
28	1.30	-.15	.45	1.18	.24	.71	.92	.41	.64	.72	-.20	.28
29	---	---	---	1.20	.52	.89	1.03	.27	.70	.69	-.23	.34
30	---	---	---	2.18	.88	1.45	1.81	.50	1.27	.99	.01	.54
31	---	---	---	1.99	1.04	1.28	---	---	---	1.10	.01	.61
MONTH	1.62	-.47	.70	2.69	-1.06	.75	1.81	-1.11	.52	2.89	-.63	.92
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.27	.29	.83	.67	-.39	.15	.82	.32	.48	1.95	1.24	1.75
2	1.48	.52	1.01	.88	-.26	.32	.75	.52	.68	2.27	1.26	1.83
3	1.24	.43	.84	1.32	.10	.69	.76	.31	.58	1.71	.73	1.24
4	.96	.15	.57	1.46	.97	1.19	1.05	.51	.81	1.57	.57	1.05
5	1.04	-.05	.50	1.28	.94	1.13	1.30	.39	.92	1.23	.35	.77
6	1.32	.22	.79	.94	.58	.80	1.35	.63	1.00	.99	.20	.61
7	1.27	.79	1.07	.88	.46	.68	1.38	.61	1.02	1.19	.20	.77
8	1.31	.75	1.05	1.44	.82	1.09	1.32	.32	.90	1.04	.34	.78
9	1.20	.68	.98	1.55	.75	1.16	1.41	.24	.73	1.07	.49	.87
10	.94	.19	.66	1.57	.59	1.11	1.06	.15	.60	1.29	.69	1.09
11	.99	.01	.56	1.31	.58	.97	.79	.08	.42	1.25	.97	1.11
12	1.14	.01	.68	1.24	.44	.85	.34	-.10	.14	1.89	1.18	1.49
13	1.26	.11	.69	1.06	.27	.70	.21	-.30	-.02	2.00	1.27	1.62
14	1.27	.09	.69	.99	.25	.66	.60	-.20	.16	1.61	1.13	1.37
15	1.12	-.06	.56	1.22	.41	.83	1.06	.35	.83	1.79	.93	1.32
16	1.13	.06	.62	1.36	.76	1.08	1.22	.65	.90	1.54	.74	1.12
17	1.37	.12	.78	1.50	.90	1.20	.97	.20	.58	1.42	.75	1.03
18	1.56	.79	1.15	1.38	.96	1.14	.67	.14	.46	1.41	.76	1.07
19	1.89	.65	1.21	1.22	.95	1.10	.83	.16	.47	2.11	1.14	1.78
20	1.91	1.52	1.71	1.25	.81	1.04	.98	.06	.53	2.89	2.10	2.45
21	1.76	1.40	1.61	1.15	.25	.75	.96	.21	.58	2.63	1.73	2.21
22	1.40	.63	1.02	.76	.02	.43	1.06	.16	.58	2.12	1.34	1.78
23	1.15	.37	.82	.68	.08	.38	1.17	.27	.76	1.52	1.06	1.33
24	.95	.01	.62	1.16	.27	.79	1.08	.42	.78	1.49	1.08	1.35
25	.90	-.01	.46	1.10	.34	.72	1.06	.36	.76	1.72	1.17	1.41
26	1.01	.14	.65	.82	.27	.57	.82	.24	.50	1.63	1.26	1.42
27	1.06	.06	.58	.96	.19	.57	.78	.17	.51	2.03	1.21	1.65
28	.70	-.26	.23	1.03	.15	.66	.99	.38	.72	2.12	1.22	1.73
29	.42	-.46	-.03	.82	.31	.58	.88	.60	.74	1.95	.95	1.50
30	.56	-.69	-.06	.65	.10	.32	1.18	.69	.95	2.06	1.28	1.65
31	---	---	---	.78	.15	.47	1.24	.50	.93	---	---	---
MONTH	1.91	-.69	.76	1.57	-.39	.78	1.41	-.30	.65	2.89	.20	1.37

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, 27,700 microsiemens, Sept. 21, 1999; minimum, 1,130 microsiemens, Feb. 13, 1999.

WATER TEMPERATURE: Maximum, 34.3°C, Aug. 28, 1998; minimum, 4.0°C, Jan. 5, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 27,700 microsiemens, Sept. 21; minimum, 1,130 microsiemens, Feb. 13.

WATER TEMPERATURE: Maximum, 33.9°C, Aug. 20; minimum, 4.0°C, Jan. 5.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12300	11200	11900	14100	12900	13700	---	---	---	10600	8910	9390
2	12100	10100	11500	13900	12700	13500	---	---	---	12900	8980	10600
3	11400	9910	10900	13200	11800	12700	---	---	---	9220	5760	7760
4	11300	9880	10800	13600	13100	13300	---	---	---	9330	6320	8110
5	11000	10100	10700	14100	12900	13500	---	---	---	9130	8060	8560
6	11200	10700	10900	14300	11600	12900	---	---	---	8890	8170	8550
7	11200	10500	11000	13000	12200	12700	---	---	---	8630	7930	8340
8	11700	10400	10900	12900	11300	12300	12800	10600	11600	8730	8190	8420
9	11900	10800	11200	12700	11300	12200	12800	11000	12100	8820	7230	7970
10	11800	10600	11200	12800	11700	12300	14100	12300	13100	8970	6590	7600
11	11500	10200	11000	13500	11700	12900	16300	12600	14800	6890	4420	5800
12	11400	9630	10700	13400	12900	13100	16400	13700	14700	6900	4340	5700
13	11100	9630	10700	13400	12700	13100	13700	10600	11900	6730	5420	6180
14	10900	9930	10700	13300	11800	12800	12600	9840	10800	7120	5610	6350
15	11000	10500	10800	12200	10700	11700	12800	10300	11900	7300	5520	6440
16	14200	11000	12300	12200	10200	11500	12500	9840	11300	7560	5130	6400
17	15400	13500	14400	11900	10100	11100	11600	9060	10500	7340	5190	6220
18	15000	13500	14200	11400	10500	11000	11300	10500	10900	6970	4170	5560
19	15000	13500	14400	11200	10400	10900	11800	10700	11200	5880	3610	4990
20	14600	13000	13900	11200	10100	10800	12600	11000	11800	5490	3090	4240
21	14600	13300	13900	13800	11000	11800	13700	11500	12300	5190	3580	4140
22	15100	13400	14600	15900	12400	14100	14100	11200	12400	11700	5130	7900
23	18100	14900	17000	16300	12300	13700	13900	12600	13300	10600	3060	5370
24	16600	15400	15700	15400	11200	12600	14600	12200	13200	4860	2300	3520
25	16900	14400	15400	13000	10500	11900	14400	11000	12900	3460	1970	2560
26	15600	13900	14800	12000	9120	10500	13600	9210	11300	3100	1740	2490
27	15200	13700	14600	11200	9150	10500	13600	10200	12300	3030	2150	2600
28	14800	13800	14500	10700	9570	10100	12900	10500	11900	3890	2470	2880
29	14700	14200	14400	10800	10100	10500	12300	7820	9430	6200	3120	4050
30	14600	13400	14300	11000	10400	10700	9620	6030	7930	7190	3830	5460
31	14400	12900	13800	---	---	---	9480	8550	9190	6420	3200	4520
MONTH	18100	9630	12800	16300	9120	12100	---	---	---	12900	1740	6090

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 1998 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	5240	2980	4280	2830	2000	2490	13300	11400	12700	15500	13800	14900
2	4900	2480	3800	3040	2410	2820	12100	11100	11700	15100	13500	14300
3	3940	2470	3350	3020	1860	2480	12900	11400	12000	13500	12600	13000
4	3260	1840	2500	4680	2410	3390	13700	11700	12500	15200	13200	14100
5	3170	2330	2940	6350	4110	5330	13400	12100	12700	20200	15000	17600
6	2980	2140	2610	5400	3930	4470	12800	11500	11800	17600	15700	16300
7	2770	1140	1670	8170	3840	5840	11500	10300	10900	16100	14700	15600
8	1810	1150	1440	17100	7400	11700	11000	9860	10500	16300	15000	15700
9	1680	1140	1460	15800	9490	11500	10400	8510	9220	16400	16100	16200
10	1680	1320	1530	11500	9000	10200	9630	7630	8710	16200	16100	16100
11	1910	1380	1630	11500	9410	10300	9650	8180	8900	16300	16000	16200
12	2290	1370	1760	19000	11200	14100	9000	8100	8720	16100	15900	16000
13	2320	1130	1670	19800	15000	17000	10400	8840	9510	15900	15400	15700
14	2050	1390	1810	16200	10100	13200	11600	10200	10800	15400	14300	14800
15	1880	1610	1740	10300	8130	9240	12200	9250	10800	14300	12300	13100
16	1920	1690	1810	10800	9370	10300	10400	8900	9880	13600	12300	13000
17	2140	1820	1920	10400	9190	10100	10100	7920	8940	13600	12600	13200
18	2710	2020	2330	10400	10000	10200	8880	7270	8420	13400	12600	12900
19	2300	1340	1660	10300	9450	10000	8870	8130	8540	13600	12900	13100
20	2400	1410	2060	10000	8500	9430	8750	7990	8330	13700	13500	13600
21	2200	1750	1930	9620	7790	8850	8760	7980	8250	13600	13500	13500
22	2550	1570	2140	9600	8220	9130	10700	8580	9320	13600	13400	13500
23	2410	2240	2310	9780	8980	9280	11300	10200	10500	13400	13200	13300
24	2380	1840	2130	9700	8820	9320	11400	10500	10900	13200	12700	12900
25	2650	1930	2260	9790	8700	9200	10700	10000	10200	12700	12500	12600
26	3460	2090	2470	10700	8960	9730	11200	10300	10600	12500	11700	12200
27	3900	2400	3080	10500	9800	10200	12100	11200	11800	11700	10300	11100
28	3910	1930	2720	11700	10100	10600	11400	10800	11100	10300	9990	10100
29	---	---	---	12500	10700	11700	11400	10800	11000	10100	9970	10000
30	---	---	---	15700	11400	13300	14000	11000	12500	10000	9980	10000
31	---	---	---	15600	11500	12500	---	---	---	10100	9990	10000
MONTH	5240	1130	2250	19800	1860	9290	14000	7270	10400	20200	9970	13700
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	10800	10100	10300	7000	5990	6440	4010	3080	3510	21300	11000	16700
2	11900	10700	11100	6400	4990	5730	4580	3500	4050	21500	15200	18600
3	12000	11800	11900	7100	4960	5930	4390	3140	3760	15900	12500	14600
4	11900	11600	11800	6850	5170	6040	4570	3890	4220	14700	11500	13400
5	11700	11300	11500	6970	5660	6350	4740	3840	4290	12900	9980	11500
6	11900	11400	11500	6930	5860	6330	5520	3840	4690	10600	8550	9840
7	13100	11500	12300	6470	5660	5940	6240	4260	5230	10700	8480	9580
8	13600	13000	13300	5720	4900	5550	6480	4660	5490	10200	8780	9410
9	13700	13200	13600	5860	4900	5450	5160	3590	4570	10500	8700	9680
10	13700	13200	13500	6240	5170	5740	4530	3160	3790	11800	9400	10500
11	13200	12400	13000	5920	4960	5440	3840	2820	3290	12300	10200	11000
12	12700	9750	12000	5540	4370	4980	3350	2610	2980	16100	11500	13300
13	12400	9960	11000	5140	3990	4590	2990	2340	2690	18000	14100	16100
14	11500	9940	10300	5100	4070	4580	3360	2450	2860	16100	12600	14700
15	11500	9500	10700	5620	4260	4840	4730	3010	3810	17900	9910	14800
16	10700	8160	8990	6030	4750	5330	5580	4020	4860	15500	11100	13100
17	11300	8520	10200	6430	4860	5730	5170	4030	4440	14200	10700	12500
18	11200	7300	9330	6620	5550	6040	4090	3730	3920	14400	10800	12800
19	8450	6070	7420	6740	5570	6230	4770	3610	4160	19800	13000	15800
20	8600	7160	7860	6290	5260	5790	5060	3620	4430	26300	19200	22000
21	8590	6970	7470	6000	4330	5320	5520	3920	4690	27700	18900	23600
22	8940	7030	8010	4330	3360	3940	5950	4180	4970	24100	18900	21900
23	10800	7030	8850	4750	3250	4180	7230	4460	5840	21400	16800	19600
24	11200	8420	9750	4670	3630	4320	8120	4840	6630	21000	17600	19700
25	11600	8080	9830	4600	3810	4230	8560	5620	7030	20000	17400	18600
26	9320	7880	8800	4120	3320	3760	6580	4190	5770	20200	17700	19300
27	11200	7850	9240	4400	3040	3710	6970	5030	5920	21200	19800	20500
28	9730	6010	7970	4270	3120	3750	8390	5740	7060	22400	20300	21200
29	9420	6540	7960	4160	3460	3770	10500	7000	8150	22000	19700	20800
30	6940	6000	6540	3780	2650	3250	10100	8330	9340	21400	19700	20700
31	---	---	---	3810	2850	3350	11000	9140	10000	---	---	---
MONTH	13700	6000	10200	7100	2650	5050	11000	2340	5050	27700	8480	15900

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28.9	25.5	26.9	25.8	24.1	25.1	22.5	20.4	21.6	14.6	12.1	13.3
2	29.3	27.3	28.1	25.0	23.3	24.2	22.6	21.3	22.0	14.4	12.7	14.0
3	29.6	27.7	28.4	23.3	21.4	22.4	22.7	21.4	22.0	12.7	8.6	10.3
4	28.8	27.9	28.4	22.5	20.8	21.6	23.3	21.3	22.3	8.6	5.2	6.5
5	28.1	27.1	27.7	21.5	17.9	19.4	24.5	22.0	23.2	5.8	4.0	5.0
6	28.2	26.6	27.5	17.9	14.5	16.0	24.7	22.7	23.6	8.8	5.6	7.0
7	27.8	26.7	27.3	16.5	14.2	15.4	25.1	23.1	24.0	11.7	8.1	9.6
8	27.3	24.6	25.4	19.7	15.8	17.6	24.4	21.6	23.6	13.0	10.2	11.3
9	24.7	23.2	23.8	21.5	17.9	19.7	21.7	19.6	20.2	13.6	11.0	12.7
10	24.5	22.3	23.5	21.8	20.0	20.9	19.6	18.6	19.1	11.0	6.9	8.4
11	25.2	22.8	24.0	21.3	18.4	19.6	19.7	18.1	18.9	9.7	7.2	8.5
12	25.6	23.6	24.6	18.6	17.7	18.1	20.4	18.6	19.7	12.0	9.2	10.5
13	26.0	24.0	24.9	18.4	17.4	17.9	18.6	14.3	15.5	13.8	11.7	12.7
14	26.0	24.4	25.1	19.6	18.2	18.8	14.3	12.0	13.1	15.1	13.0	14.2
15	25.8	24.7	25.3	20.2	19.5	19.8	13.4	11.7	12.8	14.1	12.5	13.4
16	26.3	24.8	25.5	20.2	19.9	20.1	14.4	11.8	13.1	15.2	13.1	14.0
17	26.2	24.8	25.5	20.8	19.6	20.2	13.8	11.4	12.6	16.5	14.1	15.1
18	26.8	25.1	25.9	21.3	19.5	20.5	13.5	11.4	12.5	19.3	15.8	17.5
19	27.2	25.7	26.5	22.6	20.5	21.3	17.0	13.3	15.0	19.5	17.0	18.1
20	27.4	26.2	26.9	23.7	21.0	22.2	18.7	15.5	16.9	21.7	18.2	19.8
21	27.0	24.7	25.8	22.2	18.1	19.7	20.6	17.3	18.9	21.8	19.5	20.5
22	24.9	20.3	22.6	18.4	17.0	17.8	19.7	15.7	17.8	20.7	20.0	20.4
23	20.6	18.9	19.4	21.1	18.2	19.5	15.7	13.3	14.1	20.5	15.5	18.9
24	19.9	17.6	18.8	22.0	19.9	20.9	13.5	10.9	12.0	15.5	13.3	14.4
25	21.5	19.0	20.2	22.8	20.4	21.6	11.1	9.1	10.0	15.9	13.1	14.5
26	22.7	20.4	21.5	23.2	20.8	22.0	9.5	8.5	9.0	16.5	14.5	15.4
27	23.3	21.1	22.2	23.3	21.2	22.2	11.0	9.0	10.0	17.9	15.7	16.6
28	24.6	22.1	23.2	22.7	21.0	21.6	12.7	10.9	11.9	19.1	17.0	18.0
29	25.2	22.9	23.9	21.5	20.3	21.0	13.3	12.1	12.6	20.5	18.6	19.5
30	26.3	23.6	24.6	21.5	20.4	20.9	12.5	10.2	11.3	21.1	19.9	20.5
31	26.3	24.0	24.8	---	---	---	12.8	10.6	11.7	20.4	18.6	19.6
MONTH	29.6	17.6	24.8	25.8	14.2	20.3	25.1	8.5	16.5	21.8	4.0	14.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	19.4	17.8	18.7	19.2	16.5	18.0	21.4	18.5	19.9	24.0	21.8	23.0
2	18.6	17.8	18.2	20.4	17.7	18.9	23.0	20.9	21.9	24.8	22.2	23.3
3	18.3	17.4	17.6	19.3	16.7	18.0	23.3	22.4	22.8	25.1	22.8	24.0
4	19.9	17.4	18.5	16.8	15.2	16.1	23.9	22.5	23.1	24.3	23.1	23.6
5	19.3	18.0	18.7	17.4	15.4	16.3	24.4	23.0	23.6	25.8	23.4	24.5
6	20.3	18.2	19.3	20.0	17.3	18.3	26.0	23.9	24.7	27.2	25.1	25.9
7	22.2	19.7	20.8	20.0	16.5	17.9	27.5	25.2	26.3	27.6	25.7	26.7
8	22.4	20.6	21.4	17.1	16.1	16.7	26.9	25.3	26.1	27.2	25.6	26.4
9	22.6	21.6	22.0	20.3	17.1	18.6	25.9	24.1	25.2	27.4	25.2	26.2
10	23.3	21.4	22.3	19.9	18.4	19.2	26.7	24.2	25.4	27.0	25.6	26.1
11	23.6	21.9	22.8	20.3	18.6	19.4	27.2	24.7	25.9	25.6	23.7	24.4
12	23.0	15.5	18.8	19.5	18.0	18.7	27.0	25.2	26.1	24.4	23.1	23.7
13	15.5	11.8	13.5	18.8	17.9	18.3	26.3	24.6	25.4	26.7	23.5	24.7
14	13.4	10.8	12.2	18.1	12.5	15.2	25.3	23.5	24.6	27.4	25.4	26.2
15	15.0	11.9	13.4	14.6	9.9	12.2	25.7	22.8	24.5	27.8	26.0	26.9
16	16.9	13.9	15.3	15.1	12.0	13.6	22.8	18.9	20.3	27.6	26.0	26.9
17	17.3	15.8	16.6	17.3	14.6	16.0	18.9	16.6	17.8	27.8	25.9	26.9
18	17.7	16.0	16.7	19.6	16.7	18.2	19.6	16.7	18.1	28.3	26.2	27.3
19	18.3	15.9	17.1	21.4	18.9	20.2	21.0	18.0	19.5	28.4	26.5	27.4
20	17.2	15.5	16.5	22.3	20.9	21.6	22.8	19.6	21.0	29.0	26.9	27.9
21	16.7	11.8	15.1	21.9	19.2	20.4	23.8	21.1	22.3	28.6	27.2	27.8
22	12.5	9.8	11.3	20.6	18.6	19.6	24.0	21.8	23.0	28.7	26.7	27.7
23	13.4	10.8	12.1	20.8	18.1	19.5	26.1	23.5	24.5	28.6	27.2	27.9
24	15.4	12.5	13.8	22.3	19.5	20.8	28.2	25.2	26.5	28.9	26.7	27.8
25	16.2	13.5	14.8	22.5	21.2	21.7	28.2	26.3	27.3	29.7	27.8	28.7
26	17.9	14.9	16.4	21.4	17.6	19.1	27.6	25.9	26.8	29.6	27.7	28.6
27	18.9	16.9	18.0	19.0	16.5	17.9	26.9	25.5	26.2	29.2	27.2	28.2
28	20.0	17.6	18.7	19.3	16.6	18.1	28.1	25.7	26.7	29.8	27.9	28.7
29	---	---	---	19.7	18.6	19.2	28.3	27.0	27.6	29.3	27.9	28.6
30	---	---	---	19.3	17.9	18.5	27.3	23.9	25.4	28.9	27.7	28.1
31	---	---	---	19.3	17.6	18.4	---	---	---	28.9	26.7	27.6
MONTH	23.6	9.8	17.2	22.5	9.9	18.2	28.3	16.6	24.0	29.8	21.8	26.5

MISSISSIPPI RIVER DELTA

073745257 CROOKED BAYOU NORTHWEST OF LAKE CUATRO CABALLO NEAR DELACROIX, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.7	27.6	28.5	31.0	29.2	30.0	33.4	30.0	31.4	29.9	28.7	29.1
2	30.0	28.3	29.1	31.6	29.5	30.5	33.4	31.1	32.2	28.7	26.2	27.2
3	31.2	28.5	29.6	31.1	29.5	30.1	33.5	31.4	32.4	28.7	26.0	27.0
4	31.8	29.1	30.3	29.7	28.4	29.1	33.5	32.0	32.6	31.2	27.8	29.1
5	31.8	29.4	30.6	30.0	28.6	29.3	33.8	31.2	32.3	32.4	29.2	30.4
6	31.5	30.3	30.8	31.2	28.7	29.7	33.1	31.5	32.1	32.1	29.4	30.4
7	30.5	28.6	29.6	33.1	29.9	31.2	32.3	31.0	31.6	31.3	29.7	30.5
8	30.3	28.5	29.5	32.0	30.1	31.0	32.4	31.0	31.5	30.6	29.1	29.6
9	29.8	28.3	28.9	32.1	29.3	30.4	31.1	28.3	30.1	30.5	28.6	29.4
10	30.3	27.8	28.8	31.4	29.8	30.5	28.9	27.7	28.3	30.5	28.5	29.5
11	29.9	29.2	29.5	32.4	29.6	30.7	29.6	27.2	28.3	30.9	28.5	29.6
12	30.0	28.5	29.1	31.2	28.8	30.2	31.2	28.4	29.7	30.2	29.1	29.7
13	29.7	28.6	29.1	29.9	27.9	28.8	32.1	29.3	30.7	29.9	28.5	29.3
14	29.9	28.2	29.1	31.2	28.0	29.6	32.3	29.9	31.1	29.7	28.3	29.0
15	30.0	28.3	29.2	31.4	29.2	30.3	32.3	30.1	31.2	28.7	26.9	27.8
16	29.6	28.7	29.2	30.9	29.5	30.3	33.1	30.8	31.9	27.7	25.8	26.7
17	29.8	28.3	29.0	30.0	28.9	29.5	33.9	31.7	32.7	27.8	25.8	26.7
18	29.3	27.7	28.5	28.9	27.9	28.4	32.6	30.9	31.8	27.9	26.0	27.0
19	28.9	27.7	28.4	30.3	28.1	29.0	32.4	30.7	31.4	28.0	26.3	27.1
20	28.5	27.0	27.8	29.9	28.3	28.9	33.9	30.5	31.7	27.8	26.7	27.1
21	28.5	27.1	27.8	32.3	28.2	29.6	33.1	31.5	32.2	28.6	26.4	27.5
22	29.9	27.8	28.6	32.9	29.3	30.7	33.8	31.3	32.1	26.4	23.5	24.7
23	31.9	28.9	29.9	32.9	30.7	31.6	33.1	31.3	32.1	25.1	22.3	23.5
24	32.0	30.3	31.0	32.1	30.8	31.6	33.2	31.3	32.1	25.2	23.4	24.3
25	31.1	30.1	30.5	33.3	30.3	31.3	32.8	31.2	31.9	24.7	23.8	24.3
26	30.1	26.5	28.2	31.7	30.2	30.9	31.5	30.0	30.7	25.6	23.8	24.7
27	29.2	25.9	27.0	31.5	29.6	30.4	31.1	29.4	30.2	27.4	25.0	26.1
28	30.1	28.0	28.9	31.6	29.3	30.5	31.6	29.9	30.7	28.0	26.2	27.0
29	30.6	28.4	29.4	31.8	29.2	30.5	32.3	30.5	31.3	29.2	26.7	27.8
30	30.8	28.8	29.8	31.0	29.4	30.3	31.6	29.5	30.4	26.7	23.9	24.8
31	---	---	---	32.0	29.5	30.7	31.0	29.1	29.9	---	---	---
MONTH	32.0	25.9	29.2	33.3	27.9	30.2	33.9	27.2	31.2	32.4	22.3	27.6

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	---	---	---		---	---	---		---	---	---		---	---	---
22	---	---	---		---	---	---		---	---	---		---	---	---
23	---	---	---		---	---	---		---	---	---		---	---	---
24	---	---	---		---	---	---		---	---	---		---	---	---
25	---	---	---		---	---	---		---	---	---		---	---	---
26	---	---	---		---	---	---		---	---	---		---	---	---
27	---	---	---		---	---	---		---	---	---		---	---	---
28	---	---	---		---	---	---		---	---	---		1.78	-.26	.65
29	---	---	---		---	---	---		---	---	---		2.07	.17	1.07
30	---	---	---		---	---	---		---	---	---		2.06	.17	1.10
31	---	---	---		---	---	---		---	---	---		1.68	-.18	.79
MONTH	---	---	---		---	---	---		---	---	---		---	---	---

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1.68	.07	.88	.87	-.62	.16	1.50	.79	1.25	2.66	.26	1.78
2	1.42	.01	.73	.92	-.28	.31	1.34	.79	1.00	1.69	.20	1.02
3	1.17	.51	.91	.70	-1.04	-.11	1.40	.65	1.04	1.61	-.04	.83
4	1.05	.16	.67	1.18	.33	.88	1.71	.66	1.20	2.01	.40	1.37
5	1.41	.80	1.18	.94	.26	.64	1.85	.52	1.21	2.56	.90	2.07
6	1.10	.41	.70	.71	.16	.45	1.33	.32	.85	1.77	.44	1.16
7	.53	.03	.26	1.88	.18	1.36	1.36	.02	.70	2.46	.53	1.46
8	.70	-.23	.22	2.73	1.08	1.92	.95	-.01	.49	2.34	.50	1.37
9	1.27	-.02	.61	1.45	.36	.78	.61	-.61	.08	1.86	.59	1.36
10	1.18	-.05	.60	1.84	.15	1.13	1.20	-.18	.61	1.80	.76	1.36
11	1.48	.11	.83	1.56	.07	.86	.94	-.16	.50	1.75	.13	1.10
12	1.16	-.50	.32	3.09	1.08	2.11	1.28	.33	.71	1.36	.54	.88
13	.92	-.47	.21	2.39	.69	1.52	1.57	.69	1.08	1.23	-.23	.69
14	1.12	-.04	.50	.69	-1.24	-.47	1.37	.62	1.06	1.90	-.07	1.07
15	1.28	-.44	.43	.71	-1.00	-.38	1.23	-.69	.13	1.77	.26	1.13
16	1.52	.09	.85	.85	-.01	.45	1.40	-.56	.64	2.10	.28	1.28
17	1.59	.29	.92	.92	.01	.52	.27	-.67	-.12	2.09	.20	1.17
18	1.57	.54	.99	1.05	.25	.68	.49	-.89	-.18	1.98	.04	1.00
19	---	---	---	.90	.05	.56	.64	-1.00	-.18	2.24	-.15	1.11
20	---	---	---	.96	-.51	.44	.54	-1.16	-.30	1.61	.18	.95
21	---	---	---	.85	-.63	.27	.93	-1.02	.00	1.37	.16	.84
22	---	---	---	1.50	-.14	.77	1.63	-.02	.81	1.06	.43	.78
23	---	---	---	1.35	-.27	.56	1.24	.31	.82	.74	.18	.43
24	---	---	---	1.15	-.34	.44	1.08	.21	.69	.68	-.09	.30
25	1.07	-.54	.33	1.23	-.42	.50	.96	.05	.57	1.15	-.06	.63
26	1.34	-.69	.38	1.08	.48	.80	1.05	.31	.71	.54	-.57	.10
27	1.19	-.36	.41	1.18	.36	.78	1.17	.24	.80	.87	-.52	.29
28	.91	-.66	.14	1.47	.23	.89	1.16	.45	.81	1.14	-.11	.59
29	---	---	---	1.53	.39	.96	1.23	.54	.94	1.10	-.01	.69
30	---	---	---	2.60	1.23	1.87	2.62	1.14	1.92	1.48	.01	.85
31	---	---	---	1.51	.73	1.08	---	---	---	1.52	-.01	.89
MONTH	---	---	---	3.09	-1.24	.73	2.62	-1.16	.66	2.66	-.57	.99

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	1.68	.33	1.13	1.01	-.21	.47	1.03	.06	.57	2.47	1.72	2.06
2	1.97	.55	1.29	1.42	-.09	.79	1.00	.38	.77	2.28	.91	1.60
3	1.54	.33	.96	2.04	.37	1.33	.92	.39	.64	1.85	.21	1.10
4	1.20	.13	.70	1.87	1.29	1.59	1.28	.59	.91	1.81	-.14	.95
5	1.44	.02	.81	1.64	1.13	1.44	1.43	.21	.92	1.43	-.33	.66
6	1.86	.40	1.24	1.31	.78	1.04	1.49	.26	.98	1.12	-.24	.50
7	1.59	.87	1.32	1.33	.43	.86	1.71	.24	1.05	1.66	-.17	.74
8	1.64	.93	1.30	1.61	.45	1.02	1.61	-.32	.83	1.35	-.09	.77
9	1.54	.75	1.15	1.69	.32	1.13	1.37	-.33	.48	1.44	.18	.95
10	1.23	.23	.84	1.81	-.07	.97	1.34	-.33	.49	1.63	.51	1.21
11	1.28	.06	.79	1.59	-.17	.90	1.00	-.39	.34	1.47	.64	1.17
12	1.73	.02	1.00	1.44	-.22	.70	.47	-.47	.05	2.05	1.24	1.67
13	1.68	.02	.92	1.54	-.30	.70	.53	-.58	.01	2.08	1.33	1.64
14	1.62	-.03	.87	1.49	-.18	.73	.75	-.32	.31	1.69	1.12	1.46
15	1.58	-.21	.78	1.59	.05	.93	1.79	.27	1.20	---	---	---
16	1.57	.01	.90	1.60	.53	1.12	1.37	.58	.98	---	---	---
17	2.03	.19	1.28	1.83	.69	1.27	.95	.30	.59	---	---	---
18	2.09	1.18	1.67	1.78	.77	1.19	.80	.19	.46	---	---	---
19	2.54	.72	1.70	1.39	.94	1.17	1.05	-.10	.49	---	---	---
20	2.32	1.87	2.08	1.20	.70	.98	1.23	-.10	.63	---	---	---
21	2.19	1.34	1.81	1.33	.03	.76	1.29	-.10	.63	---	---	---
22	1.39	.79	1.12	.92	-.08	.43	1.34	-.24	.63	---	---	---
23	1.48	.40	.98	1.04	-.05	.49	1.57	-.01	.84	---	---	---
24	1.27	-.01	.75	1.50	.11	.85	1.51	.08	.85	1.89	.86	1.43
25	1.08	-.02	.60	1.35	-.12	.72	1.37	-.23	.73	2.06	.89	1.54
26	1.29	.21	.79	1.09	-.19	.51	1.16	-.23	.46	1.95	1.23	1.59
27	1.28	-.23	.61	1.39	-.21	.58	1.13	-.12	.64	2.17	1.29	1.78
28	.88	-.44	.31	1.39	-.21	.72	1.35	.20	.95	2.24	1.15	1.72
29	.73	-.52	.16	1.13	-.11	.54	1.33	.44	.91	2.02	.75	1.49
30	1.02	-.59	.28	1.01	-.28	.29	1.49	.61	1.07	2.76	1.05	1.92
31	---	---	---	1.15	-.10	.55	1.72	.64	1.06	---	---	---
MONTH	2.54	-.59	1.00	2.04	-.30	.86	1.79	-.58	.69	---	---	---

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 good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 31,800 microsiemens, June 6, 1998; minimum, 3,110 microsiemens, Feb. 8, 1998.

WATER TEMPERATURE: Maximum, 34.3° C, Aug. 28, 1998; minimum, 5.6°C Dec. 30, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 23,800 microsiemens, Sept. 28; minimum, 5,740 microsiemens, Mar. 1.

WATER TEMPERATURE: Maximum recorded, 33.8° C, Aug. 1; minimum recorded, 11.1° C Mar. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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	---	---	---		---	---	---		---	---	---		---	---	---
22	---	---	---		---	---	---		---	---	---		---	---	---
23	---	---	---		---	---	---		---	---	---		---	---	---
24	---	---	---		---	---	---		---	---	---		---	---	---
25	---	---	---		---	---	---		---	---	---		---	---	---
26	---	---	---		---	---	---		---	---	---		---	---	---
27	---	---	---		---	---	---		---	---	---		---	---	---
28	---	---	---		---	---	---		---	---	---		---	---	---
29	---	---	---		---	---	---		---	---	---		15100	8740	11300
30	---	---	---		---	---	---		---	---	---		17600	10300	13500
31	---	---	---		---	---	---		---	---	---		17400	11600	14300
	---	---	---		---	---	---		---	---	---		16400	10300	12700
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 OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	15000	10200	12400	8470	5740	7140	13700	12300	13000	21700	15900	19900
2	13800	9740	11500	8630	6480	7740	13700	11800	12900	18400	15200	16500
3	11800	10000	11000	8250	6030	6810	13900	12600	13500	17800	15400	16500
4	10800	8130	9240	10200	6320	8630	15600	12500	13700	20900	15800	18400
5	12000	8970	10900	11300	7880	9030	15100	11900	13600	23100	19100	21900
6	12400	9180	10400	9330	7760	8410	13600	11600	12300	20300	16700	18600
7	9650	6960	7990	12700	8070	11200	12700	11000	11800	21100	17000	18900
8	13200	6040	8530	16200	11700	14100	12200	10400	11200	21200	17300	18800
9	15900	6500	11000	14300	10100	11000	11700	10100	10600	21000	17000	19400
10	15400	7220	11500	13000	9750	11600	13300	9510	11400	20500	17700	19300
11	18000	7690	13300	13000	9950	11300	13200	9740	11700	20500	16500	18300
12	17800	6090	9250	17900	12200	14700	13200	11000	12100	18800	14700	16700
13	9250	4940	6450	17500	12900	14500	13900	12400	13200	16500	14000	15300
14	9140	6140	7610	13200	9100	10700	13800	12300	13200	17500	13700	15300
15	8920	6000	7610	9600	7620	8790	13300	10200	11800	17500	14600	16200
16	10400	6300	8470	10400	8600	9640	13600	9790	11700	19100	14900	17000
17	11200	7350	8940	10600	8900	9810	11000	9440	10100	19100	15400	17200
18	11900	7230	9340	10900	9450	10100	10900	9510	10100	18800	15500	16900
19	---	---	---	10900	8920	10100	10900	9510	10200	19000	15100	16900
20	---	---	---	10600	8410	9380	11200	9640	10200	18300	15600	16900
21	---	---	---	9380	8170	8670	11900	9400	10600	17700	15500	16500
22	---	---	---	12400	8010	10200	13700	11000	12200	17200	15300	16200
23	---	---	---	11700	8540	10200	16500	11800	13700	15900	14400	14800
24	---	---	---	11800	8550	10300	16600	12200	14000	14400	12400	13600
25	7950	5850	6880	11800	8820	10100	14000	12000	13100	14900	13500	14000
26	9080	5780	7370	11800	9490	10800	15300	12400	13800	13800	13200	13600
27	9940	6130	7880	13200	9740	11600	17300	13200	15300	15100	13200	13700
28	8890	6170	7160	15900	10700	12900	15000	13300	13800	15300	13500	14400
29	---	---	---	15900	11300	13800	16100	13600	14500	15400	13500	14700
30	---	---	---	16600	13300	14800	21500	15000	19300	15800	13800	15000
31	---	---	---	15800	11300	12600	---	---	---	16100	13700	15000
MONTH	---	---	---	17900	5740	10700	21500	9400	12600	23100	12400	16700
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	16300	14200	15500	8870	7580	8220	10700	8060	8940	16400	10600	14700
2	16400	14900	15800	9360	7780	8490	9860	9100	9560	17800	12000	14900
3	16500	15000	15800	10600	7990	9330	9750	7790	8760	14700	11400	12400
4	16200	14800	15400	12700	9800	11200	9320	8180	8770	12800	10700	12000
5	16900	14100	15200	12300	10600	11400	9590	8420	9030	12200	10200	11200
6	16900	14800	15800	11600	9820	10400	9430	8390	9060	10800	9880	10300
7	16400	15700	16100	10300	9560	9980	11300	8670	9550	11800	9780	10500
8	16700	15800	16000	10400	9380	9880	10600	9080	9590	11000	9690	10200
9	16300	15800	16100	11800	9410	10600	10700	8670	9310	11500	9850	10400
10	16100	15700	15900	12900	8750	10300	9080	6710	8280	12300	10300	11200
11	16100	15200	15700	10900	8920	9950	8080	6610	7130	12600	10200	12000
12	16000	15100	15600	10700	8760	9570	7020	6290	6640	15200	12300	13200
13	15800	15200	15500	10300	8790	9390	6830	6100	6490	16500	14400	15200
14	15800	15100	15400	10400	8810	9410	7890	6070	6830	15200	14300	14800
15	15500	14800	15100	10400	8630	9650	8110	7090	7620	---	---	---
16	15400	14800	15100	11000	9470	10200	8160	7320	7800	---	---	---
17	16000	14300	15100	11900	10200	10700	8160	7090	7760	---	---	---
18	16400	14800	15900	12300	10500	10800	8110	7330	7740	---	---	---
19	16800	15700	16100	11000	10500	10800	8000	6990	7700	---	---	---
20	16800	16400	16600	10900	9750	10600	8340	7400	7900	---	---	---
21	16600	16100	16400	10700	9740	10300	8320	7150	7930	---	---	---
22	16400	15300	15800	9920	8790	9520	8470	7140	7900	---	---	---
23	15700	14900	15400	9870	8760	9130	9230	7330	8400	---	---	---
24	15200	14500	15000	11500	8710	9990	9950	8040	8860	19900	18100	18500
25	15100	14000	14600	10400	8600	9560	10300	8070	9160	19700	18100	18700
26	14700	9560	13500	9740	8260	8910	10100	8600	9300	19500	18900	19100
27	10000	8040	9530	9660	7860	8730	9910	8680	9260	21800	19400	20400
28	8840	7960	8270	10200	7630	8930	9990	8980	9410	23800	20200	22300
29	9030	7180	8120	9800	8130	8760	11800	9490	10600	23200	19900	21600
30	8810	7450	8170	9910	7960	8690	11800	9030	10800	22000	20000	20900
31	---	---	---	10300	7870	8930	13600	10100	11900	---	---	---
MONTH	16900	7180	14600	12900	7580	9750	13600	6070	8640	---	---	---

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	20.2	18.1	19.1
29	---	---	---	---	---	---	---	---	---	21.5	19.2	20.4
30	---	---	---	---	---	---	---	---	---	21.7	20.6	21.2
31	---	---	---	---	---	---	---	---	---	21.6	19.5	20.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	20.5	19.0	19.6	21.2	17.7	19.1	22.1	18.8	20.3	23.5	21.0	22.3
2	19.5	18.8	19.1	21.8	18.6	19.8	23.4	20.7	22.0	24.9	22.2	23.5
3	19.1	18.2	18.4	20.1	16.8	18.4	23.9	22.2	23.0	25.1	23.2	24.3
4	21.4	18.2	19.5	16.8	14.8	15.9	24.3	22.9	23.5	24.5	22.5	23.6
5	20.7	18.6	19.6	17.6	14.1	16.0	24.6	23.3	24.0	26.2	23.7	24.9
6	21.2	19.1	20.1	20.5	17.3	18.5	26.7	23.9	25.1	27.4	25.2	26.2
7	22.0	20.0	21.0	19.2	17.2	18.0	27.5	25.1	26.3	27.3	25.9	26.8
8	23.0	21.0	22.0	17.5	16.1	17.0	27.3	25.8	26.6	27.5	25.6	26.5
9	23.4	22.4	22.8	20.0	17.5	18.5	27.3	24.6	25.9	27.8	25.4	26.7
10	24.2	22.2	23.2	19.8	17.7	19.1	27.2	25.2	26.1	27.2	25.0	26.4
11	24.4	22.7	23.6	20.5	18.6	19.5	28.2	25.6	26.9	25.2	24.1	24.7
12	23.7	15.2	19.6	19.7	18.6	19.0	27.6	25.2	26.5	25.0	23.6	24.2
13	15.5	13.4	14.5	19.4	18.4	18.9	26.4	23.8	25.1	27.0	23.9	25.1
14	15.1	12.1	13.3	18.6	13.6	15.7	25.0	23.2	24.1	27.8	24.9	26.5
15	17.2	12.7	14.4	14.9	11.1	13.1	25.4	23.5	24.5	28.2	25.5	26.9
16	18.4	14.4	16.1	16.8	12.5	14.7	23.5	18.8	20.0	27.9	25.2	26.7
17	17.9	16.6	17.3	18.7	15.4	17.0	20.8	17.5	19.1	27.9	25.6	26.9
18	18.8	16.5	17.5	21.0	17.6	19.4	19.9	17.0	18.6	28.5	26.2	27.4
19	---	---	---	23.0	19.6	21.2	21.9	17.5	19.8	28.5	26.6	27.7
20	---	---	---	23.4	20.7	21.8	23.5	20.3	21.8	29.4	26.9	28.2
21	---	---	---	21.6	18.6	20.2	24.3	21.5	22.8	29.5	27.6	28.5
22	---	---	---	20.5	17.7	19.4	24.8	22.7	23.8	29.8	27.6	28.7
23	---	---	---	20.5	18.2	19.5	26.8	24.3	25.5	29.8	27.9	28.8
24	---	---	---	22.4	19.2	20.9	29.2	25.9	27.5	30.2	27.5	28.8
25	16.9	14.2	15.5	23.1	20.4	22.0	29.2	27.1	28.3	29.7	27.1	28.8
26	19.0	15.8	17.4	20.6	18.8	19.6	28.5	26.8	27.6	30.7	27.5	28.8
27	20.2	17.6	19.1	18.9	17.3	18.1	27.8	25.8	26.7	29.5	27.1	28.6
28	20.4	18.4	19.2	19.5	17.1	18.2	29.0	26.0	27.4	29.8	27.3	28.5
29	---	---	---	20.8	18.7	19.6	29.2	26.1	27.7	28.9	27.1	27.8
30	---	---	---	19.6	18.2	19.0	26.1	23.4	25.1	28.0	26.8	27.4
31	---	---	---	19.7	18.3	18.8	---	---	---	28.7	26.0	27.4
MONTH	---	---	---	23.4	11.1	18.6	29.2	17.0	24.4	30.7	21.0	26.7

MISSISSIPPI RIVER DELTA

073745258 COW BAYOU AT AMERICAN BAY NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.0	26.8	28.4	31.6	29.3	30.6	33.8	30.9	32.1	29.3	28.0	28.6
2	29.5	27.8	28.8	32.2	29.8	31.1	33.3	31.7	32.3	28.0	26.4	27.0
3	31.0	27.8	29.4	31.5	29.1	30.2	33.0	31.8	32.3	27.8	25.5	26.6
4	32.2	29.1	30.6	30.1	28.2	29.2	32.8	31.2	31.9	29.8	26.7	27.8
5	32.2	29.9	31.1	30.4	28.8	29.7	33.2	30.9	31.6	30.6	28.5	29.2
6	31.6	29.9	30.8	30.8	29.2	29.7	33.1	30.8	31.9	30.8	29.2	29.9
7	30.9	29.0	29.9	31.2	29.9	30.5	33.2	30.8	32.3	30.7	28.6	29.7
8	30.9	29.3	30.0	30.9	29.1	29.9	33.1	31.0	31.8	29.8	28.2	29.2
9	31.0	28.9	30.0	31.2	28.7	29.8	32.0	29.8	30.9	29.9	28.1	28.7
10	31.7	29.5	30.2	30.9	28.4	29.5	29.8	28.5	29.2	29.5	27.5	28.5
11	30.6	29.1	30.0	31.6	28.8	30.3	29.9	28.0	28.8	29.2	28.6	28.8
12	30.4	28.7	29.6	31.6	29.7	30.6	31.8	29.2	30.2	29.9	28.4	29.1
13	30.6	28.5	29.6	30.1	28.1	29.2	32.4	30.3	31.1	29.0	28.1	28.5
14	31.0	28.8	30.0	30.8	28.1	29.6	32.8	30.8	31.6	29.3	27.9	28.4
15	30.9	29.2	30.2	31.3	29.3	30.4	32.4	29.2	30.6	---	---	---
16	30.3	29.2	29.9	31.0	29.4	30.4	31.3	29.9	30.3	---	---	---
17	30.4	28.7	29.7	30.6	29.4	29.9	31.8	30.0	30.8	---	---	---
18	29.5	27.0	28.4	29.5	27.6	28.3	31.9	30.3	31.1	---	---	---
19	29.1	27.5	28.2	29.2	27.7	28.2	31.5	29.7	30.5	---	---	---
20	28.7	26.2	27.6	29.4	28.6	29.0	31.7	29.6	30.4	---	---	---
21	28.1	26.7	27.5	30.6	27.4	28.6	32.0	29.6	30.9	---	---	---
22	29.2	27.6	28.1	32.1	29.6	30.6	32.0	29.8	30.8	---	---	---
23	30.5	28.1	29.0	32.1	29.6	30.9	32.5	30.1	31.3	---	---	---
24	31.3	28.8	29.9	32.0	30.6	31.3	32.3	30.3	31.6	24.4	22.6	23.4
25	31.1	29.0	30.2	31.3	29.1	30.2	31.9	30.2	31.1	24.2	23.3	23.8
26	30.5	26.9	28.7	31.1	29.8	30.6	31.7	30.8	31.1	24.4	23.5	23.8
27	28.9	26.3	27.3	30.9	28.5	29.5	31.0	29.8	30.3	25.9	24.1	25.1
28	30.1	28.1	28.9	31.0	28.3	29.7	31.9	29.7	30.4	26.7	25.2	26.3
29	30.8	28.8	29.8	31.3	29.2	30.2	31.5	30.3	30.7	28.4	26.5	27.3
30	31.4	29.1	30.4	31.5	30.3	30.9	31.6	28.4	29.8	26.6	22.8	23.9
31	---	---	---	32.2	30.3	31.3	29.8	28.3	29.3	---	---	---
MONTH	32.2	26.2	29.4	32.2	27.4	30.0	33.8	28.0	30.9	---	---	---

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.04	.26	1.17	1.34	-.35	.56	1.76	1.02	1.46	2.62	.22	1.68
2	1.84	.33	1.05	1.35	.12	.77	1.51	.92	1.20	1.94	.15	1.17
3	1.48	.72	1.18	1.35	-1.12	.15	1.63	.82	1.23	1.83	.10	.99
4	1.38	.32	.92	1.38	.69	1.10	1.92	.93	1.36	2.32	.43	1.62
5	1.52	.96	1.35	1.27	.61	.95	1.91	.69	1.33	2.95	1.19	2.50
6	1.38	.66	.96	1.09	.53	.86	1.57	.28	.99	2.32	.79	1.57
7	.89	.45	.73	2.07	.50	1.49	1.52	.14	.85	2.80	.78	1.75
8	1.14	.13	.62	3.08	1.22	2.25	1.30	.13	.76	2.59	.71	1.60
9	1.57	.27	.93	1.81	.59	1.15	1.05	-.08	.55	2.07	.68	1.53
10	1.52	.21	.91	2.18	.40	1.42	1.50	.08	.92	2.00	.93	1.53
11	1.80	.33	1.13	1.78	.27	1.12	1.22	.02	.75	2.08	.37	1.41
12	1.37	-1.13	.33	3.13	.94	2.19	1.40	.42	.85	1.74	.81	1.17
13	1.03	-.62	.36	2.91	1.02	1.87	1.70	.80	1.19	1.58	.02	1.00
14	1.39	-.04	.64	1.02	-1.40	-.18	1.87	.71	1.28	2.21	.38	1.33
15	1.62	-.41	.60	1.18	-.88	-.02	1.87	-.60	.50	2.04	.35	1.32
16	1.87	.31	1.12	1.20	.27	.75	1.70	-.09	.81	2.33	.30	1.45
17	1.92	.53	1.23	1.25	.28	.81	.66	-.75	.14	2.38	.26	1.35
18	1.93	.82	1.30	1.33	.49	.96	1.05	-.82	.11	2.39	.07	1.21
19	1.37	.19	.54	1.21	.38	.84	1.08	-.97	.12	2.63	-.10	1.35
20	1.48	.49	1.19	1.38	-.46	.77	1.03	-1.08	.01	2.06	.30	1.22
21	1.22	-.15	.61	1.26	-.46	.61	1.27	-.90	.32	1.80	.33	1.15
22	1.66	-.15	.94	1.84	.10	1.04	1.88	.18	1.06	1.48	.67	1.12
23	1.17	-.18	.54	1.62	-.08	.83	1.48	.41	1.01	1.17	.51	.85
24	1.53	-.69	.57	1.51	-.12	.75	1.26	.38	.86	.98	.27	.69
25	1.51	-.31	.71	1.54	-.14	.77	1.19	.23	.81	1.49	.32	.94
26	1.76	-.48	.76	1.37	.28	.93	1.42	.57	.99	1.03	-.33	.49
27	1.54	-.06	.83	1.42	.43	.95	1.60	.49	1.14	1.21	-.02	.67
28	1.54	-.59	.51	1.63	.32	1.04	1.39	.70	1.07	1.52	.06	.88
29	---	---	---	1.67	.60	1.09	1.50	.22	1.12	1.65	.37	1.00
30	---	---	---	2.92	.95	1.92	2.69	1.21	1.89	1.77	.12	1.07
31	---	---	---	1.63	1.07	1.35	---	---	---	1.89	.22	1.20
MONTH	2.04	-1.13	.85	3.13	-1.40	1.00	2.69	-1.08	.89	2.95	-.33	1.25
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	2.06	.62	1.44	1.50	-.11	.76	---	---	---	2.79	1.82	2.31
2	---	---	---	1.78	-.01	1.00	---	---	---	2.63	1.05	1.73
3	---	---	---	2.12	.33	1.43	---	---	---	2.17	.48	1.37
4	---	---	---	2.15	1.32	1.69	---	---	---	2.15	.12	1.22
5	---	---	---	1.81	1.19	1.57	---	---	---	1.75	-.20	.94
6	---	---	---	1.45	1.04	1.23	1.70	.51	1.20	1.53	-.13	.88
7	---	---	---	1.52	.78	1.12	2.01	.34	1.29	1.98	-.07	1.08
8	1.99	1.13	1.53	1.80	.69	1.22	1.91	-.38	.97	1.73	.40	1.13
9	1.77	.98	1.37	1.91	.50	1.23	1.92	-.57	.64	1.88	.58	1.28
10	1.53	.40	1.10	2.03	-.06	1.04	1.65	-.64	.61	2.07	.88	1.51
11	1.64	.11	1.04	1.92	-.23	.95	1.53	-.46	.61	1.84	1.02	1.49
12	2.09	.15	1.26	1.76	-.49	.73	1.16	-.49	.39	2.32	1.56	1.97
13	2.10	.01	1.16	1.85	-.23	.85	1.08	-.49	.38	2.30	1.42	1.84
14	2.14	-.25	1.14	2.00	.03	.96	1.37	-.16	.68	1.97	1.47	1.69
15	2.12	-.25	1.05	1.93	.51	1.21	1.80	.44	1.36	2.15	.95	1.52
16	2.03	.00	1.16	1.91	.70	1.31	1.59	.89	1.22	1.83	.68	1.28
17	2.46	.23	1.51	1.96	.85	1.40	1.27	.61	.89	1.85	.90	1.33
18	2.42	1.04	1.76	1.71	1.06	1.35	1.05	.60	.80	1.91	1.08	1.51
19	2.76	.81	1.91	1.62	1.21	1.39	1.25	.24	.80	2.90	1.89	2.45
20	2.40	1.88	2.13	1.37	.88	1.11	1.44	.36	.94	3.57	2.12	2.91
21	2.23	1.41	1.89	1.37	.49	.83	1.45	.19	.91	3.05	1.19	2.28
22	1.59	1.00	1.31	1.06	.13	.61	1.67	.12	.95	2.51	.79	1.74
23	1.76	.68	1.25	1.62	.26	.84	1.87	.21	1.13	1.88	.93	1.43
24	1.55	.15	.99	1.80	.00	1.00	1.82	.23	1.11	2.00	1.05	1.59
25	1.54	.04	.88	1.53	-.01	.78	1.67	-.15	.99	2.38	1.25	1.74
26	1.67	-.22	.91	1.49	-.28	.67	1.58	.00	.75	2.17	1.32	1.77
27	1.76	-.26	.83	---	---	---	1.60	.11	.96	2.42	1.38	1.98
28	1.41	-.56	.58	---	---	---	1.90	.51	1.23	2.44	1.13	1.82
29	1.28	-.66	.45	---	---	---	1.65	.77	1.20	2.28	.78	1.60
30	1.59	-.57	.59	---	---	---	1.67	.97	1.33	2.39	1.09	1.79
31	---	---	---	---	---	---	2.08	.85	1.36	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	3.57	-.20	1.64

MISSISSIPPI RIVER DELTA

07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA--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 good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 43,600 microsiemens, Oct. 7, 1996; minimum, 291 microsiemens, Mar. 3, 1994.

WATER TEMPERATURE: Maximum, 33.6°C, Aug. 2, 1999; minimum, 2.1°C Jan. 18, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 40,000 microsiemens, Sept. 20; minimum, 6,900 microsiemens, June 29, 30.

WATER TEMPERATURE: Maximum, 33.6°C, Aug. 2; minimum recorded, 6.0°C, Jan. 5.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	32700	25000	28900
2	---	---	---	---	---	---	25800	21000	23400	32800	25900	29700
3	---	---	---	---	---	---	26800	21400	23900	26800	17200	22000
4	---	---	---	---	---	---	27000	22700	24500	26700	18000	24000
5	---	---	---	---	---	---	26200	21500	23600	27600	23400	25200
6	---	---	---	---	---	---	26400	21400	23300	31100	24800	27000
7	---	---	---	---	---	---	24600	20700	22400	27600	23500	25700
8	---	---	---	---	---	---	23700	20400	21800	27300	25000	26200
9	---	---	---	---	---	---	27500	21800	25500	26100	21400	24600
10	---	---	---	---	---	---	28200	24800	26400	26900	22000	24800
11	---	---	---	---	---	---	31400	25600	29300	27400	20700	24500
12	---	---	---	---	---	---	31200	24300	28800	26500	18800	23700
13	---	---	---	---	---	---	24300	17700	20500	27000	20400	24400
14	---	---	---	---	---	---	26300	20000	22700	27700	21400	25100
15	---	---	---	---	---	---	28000	21500	25100	29500	24800	26600
16	---	---	---	---	---	---	28700	19500	25200	29500	23900	25800
17	---	---	---	---	---	---	28700	17900	22500	28700	24100	25500
18	---	---	---	---	---	---	31200	22400	26500	26200	20700	23400
19	---	---	---	---	---	---	32200	26600	29600	24700	20600	22800
20	---	---	---	---	---	---	33100	26100	29700	25200	19200	21700
21	---	---	---	---	---	---	33400	27800	30300	22600	19500	21000
22	---	---	---	---	---	---	33400	27700	30300	23100	21700	22500
23	---	---	---	---	---	---	33900	29100	32200	22800	11900	18400
24	---	---	---	---	---	---	33700	26300	30500	18100	11500	14400
25	---	---	---	---	---	---	33000	28200	30700	19100	14700	17200
26	---	---	---	---	---	---	33400	28800	30200	20200	11300	16100
27	---	---	---	---	---	---	33300	31600	32400	24000	17900	21100
28	---	---	---	---	---	---	32700	27300	31200	24300	18300	21200
29	---	---	---	---	---	---	31000	23300	28200	27400	21000	23200
30	---	---	---	---	---	---	31600	18400	25700	27700	20100	23200
31	---	---	---	---	---	---	31500	25300	28200	23900	18400	21000
MONTH	---	---	---	---	---	---	---	---	---	32800	11300	23300

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	24100	19200	21200	20800	17200	18900	25500	24100	24900	32300	22900	28600
2	22800	17700	19500	21300	16600	18600	24900	23600	24200	27400	21800	24900
3	19600	18300	18900	19600	13200	16200	24700	23100	24000	25200	20700	22900
4	18900	14500	16700	24700	17200	23100	25100	22600	23600	27500	22600	25300
5	21300	17600	20100	22700	19700	21300	24800	22300	23800	31700	26100	29900
6	20000	18000	18700	22800	19800	22100	24200	21100	22900	28600	24700	26400
7	18200	13600	15400	25400	18600	22300	21900	20100	21000	26800	24100	25300
8	14800	9520	12800	29500	23300	26900	20800	18600	19800	26300	23900	25300
9	16000	10100	13900	28300	21100	24500	19000	16700	17700	25900	24700	25300
10	16200	12300	14200	25300	20700	23600	17800	13900	15900	25800	24600	24900
11	16700	13400	15000	25400	22500	23400	17100	14600	16100	24800	22200	23700
12	20300	9390	14800	29500	23300	26500	16400	14300	15300	23900	21600	23000
13	20900	12500	16800	28900	24300	26500	20100	15200	18000	23400	18300	21600
14	22300	16900	19400	25700	17500	20100	20300	18300	19300	23500	18500	22000
15	24400	16100	19700	23500	15200	18300	20000	15400	16800	22400	20700	21700
16	25100	19900	22200	24200	21000	22700	25500	15700	18600	22600	20800	21800
17	25900	19800	22800	24100	21000	22200	17500	16000	16700	22900	21200	22200
18	24200	17500	21800	23300	21400	22400	17800	14800	16600	22400	18700	20900
19	22400	14300	16700	23200	20200	22000	19000	13900	16500	21400	18600	20000
20	20800	18000	20100	22600	18800	21200	18200	14300	15900	21300	19500	20400
21	19600	17900	18900	21700	18700	20000	19900	14200	16800	21100	19200	20600
22	25300	17100	22000	24700	18400	21500	22300	17500	19400	21100	16300	19700
23	23300	17000	22200	23400	19700	21700	20600	17500	19200	20100	18400	19400
24	22900	13900	19200	22800	20300	21500	20000	17600	18800	19400	17500	18500
25	22400	18000	20000	23200	19500	21200	19800	17100	18600	19100	17700	18600
26	21200	17600	19400	24100	21100	23000	19900	18900	19400	18300	15800	17400
27	21400	18700	20100	24300	22800	23500	21100	18400	19900	18400	15800	17300
28	21000	16700	18800	25300	23400	24300	22100	18800	20000	18200	17400	17800
29	---	---	---	25400	23800	24700	21700	19300	20400	18000	17500	17800
30	---	---	---	27700	24900	26000	29600	20600	26100	18000	17500	17700
31	---	---	---	26300	24900	25300	---	---	---	18100	17500	17900
MONTH	25900	9390	18600	29500	13200	22400	29600	13900	19500	32300	15800	21900
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	18200	17700	18000	13400	9270	11500	17800	13100	15500	36000	31600	35000
2	---	---	---	15000	9990	12700	18500	15400	17000	36000	30700	34000
3	---	---	---	17900	12300	14900	18500	15400	17000	33300	26000	30100
4	---	---	---	18200	14000	16300	---	---	---	31600	23000	28000
5	---	---	---	17300	13500	15500	---	---	---	28400	20900	24900
6	---	---	---	15400	12900	14200	21000	17100	19100	25100	19800	23100
7	18900	18700	18700	16000	12100	13800	21900	17600	19500	26400	20300	23600
8	19000	18600	18900	18100	12800	14900	21400	15400	18400	27700	21200	24500
9	18900	18100	18500	18100	13000	15700	19300	12300	16600	28000	23200	25500
10	18600	17900	18200	18900	12200	15500	17200	10900	14600	30800	24500	28200
11	18000	17100	17600	17700	11000	15000	15700	10100	13100	31100	28800	29900
12	18300	17200	17800	17900	9540	13600	13600	9660	11600	33000	30600	31800
13	18000	17100	17500	17500	11800	14600	15100	8730	11400	33100	30600	32300
14	17800	16700	17500	20000	13700	16800	15900	9580	12800	32400	28400	30900
15	17500	16900	17300	20000	15000	17400	24100	13900	20300	33400	28600	31300
16	17400	16900	17200	20100	16800	18200	23800	18700	21800	31600	28700	30600
17	17800	16700	17200	19900	17200	18400	20600	16200	18500	32000	28300	30300
18	18200	16200	17300	19200	16400	17800	27000	16200	21600	32300	29600	31300
19	19500	17000	18200	19000	17300	18300	28500	15900	21300	38700	31400	36000
20	20300	18100	19100	18400	16000	17200	28600	18300	22700	40000	36700	39000
21	19500	16700	18600	17200	14700	15900	31600	18600	24100	39200	32600	37000
22	18400	16200	17700	20500	16200	18900	31900	21000	26800	38900	32100	35700
23	17900	15700	17100	21000	14000	17800	29600	22300	25700	35700	31400	33500
24	17300	15300	16500	19000	15700	17400	29500	23000	25700	36100	31400	34000
25	16300	15100	15800	18400	14900	16300	30600	22700	26000	37000	30600	33700
26	16900	11900	15400	16600	13800	15300	27600	22700	24600	37600	32300	35000
27	14200	10300	12800	16700	13100	15100	29800	22800	26100	38100	35300	37100
28	13800	8680	11800	18000	14400	15800	31200	24500	28200	38600	34500	36200
29	12600	6900	10400	17000	12700	15000	32500	28600	31000	37800	32000	34800
30	12700	6900	10300	16700	12700	14300	32600	29700	31000	39000	33500	36200
31	---	---	---	17600	13100	15300	32400	30000	31300	---	---	---
MONTH	---	---	---	21000	9270	15800	---	---	---	40000	19800	31800

MISSISSIPPI RIVER DELTA

07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	---	---	---	13.7	12.2	12.9
2	---	---	---	---	---	---	22.1	21.5	21.7	13.7	12.7	13.5
3	---	---	---	---	---	---	22.3	21.5	21.8	12.7	10.0	11.3
4	---	---	---	---	---	---	22.9	21.5	22.2	10.0	7.4	8.4
5	---	---	---	---	---	---	23.8	22.1	22.8	7.4	6.0	6.6
6	---	---	---	---	---	---	24.0	22.5	23.3	8.3	6.6	7.5
7	---	---	---	---	---	---	24.5	23.0	23.7	10.2	7.8	8.9
8	---	---	---	---	---	---	24.4	22.6	23.8	11.4	9.6	10.4
9	---	---	---	---	---	---	22.6	20.2	21.2	11.6	9.9	11.2
10	---	---	---	---	---	---	20.2	19.2	19.9	9.9	8.3	9.1
11	---	---	---	---	---	---	20.3	19.2	19.8	10.0	9.0	9.6
12	---	---	---	---	---	---	20.4	19.4	20.1	11.1	9.8	10.4
13	---	---	---	---	---	---	19.4	15.8	17.2	11.9	10.7	11.5
14	---	---	---	---	---	---	15.8	14.6	15.1	12.8	11.7	12.4
15	---	---	---	---	---	---	14.7	13.4	14.1	12.8	11.9	12.4
16	---	---	---	---	---	---	14.5	13.2	14.0	13.8	12.4	13.0
17	---	---	---	---	---	---	14.4	13.1	13.6	14.2	13.4	13.8
18	---	---	---	---	---	---	14.2	12.7	13.4	16.3	14.2	15.3
19	---	---	---	---	---	---	14.9	13.9	14.4	17.4	15.3	16.2
20	---	---	---	---	---	---	16.7	14.9	15.6	18.7	16.1	17.5
21	---	---	---	---	---	---	18.3	16.3	16.9	19.6	17.5	18.5
22	---	---	---	---	---	---	17.7	15.7	17.0	19.2	18.2	18.7
23	---	---	---	---	---	---	15.7	14.5	14.8	19.4	17.3	18.9
24	---	---	---	---	---	---	14.5	12.6	13.5	17.3	15.6	16.2
25	---	---	---	---	---	---	12.6	11.0	11.7	16.7	15.9	16.3
26	---	---	---	---	---	---	11.1	10.5	10.8	17.0	15.7	16.5
27	---	---	---	---	---	---	11.9	10.7	11.4	17.7	16.8	17.1
28	---	---	---	---	---	---	12.3	11.8	12.1	18.6	17.3	17.9
29	---	---	---	---	---	---	12.9	12.1	12.5	19.5	18.0	18.8
30	---	---	---	---	---	---	12.1	11.0	11.6	19.8	19.0	19.4
31	---	---	---	---	---	---	12.5	11.4	12.0	19.7	18.7	19.2
MONTH	---	---	---	---	---	---	---	---	---	19.8	6.0	13.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	19.1	18.2	18.6	18.4	16.8	17.6	21.4	19.1	20.2	23.5	21.9	22.8
2	18.5	18.0	18.3	19.4	17.4	18.4	22.5	20.6	21.5	24.1	22.1	23.0
3	18.3	17.8	17.9	18.6	16.7	18.0	22.7	21.9	22.3	24.3	22.5	23.4
4	19.2	17.8	18.5	16.7	15.4	16.1	23.3	22.2	22.7	23.9	22.9	23.5
5	19.2	18.0	18.7	17.2	15.5	16.4	24.0	22.8	23.4	25.2	23.4	24.3
6	20.0	18.4	19.2	17.5	16.7	17.2	26.1	23.5	24.4	26.7	25.0	25.7
7	20.9	19.4	20.2	18.1	16.4	17.1	27.0	24.8	25.8	26.9	25.5	26.3
8	22.0	20.6	21.1	17.1	16.0	16.6	26.7	25.3	26.0	26.6	25.4	26.0
9	22.0	21.5	21.7	18.9	16.9	17.7	26.2	24.7	25.5	27.0	25.3	26.2
10	22.8	21.6	22.2	18.9	17.5	18.2	26.6	24.8	25.6	26.5	25.5	26.0
11	23.1	22.0	22.5	19.4	18.0	18.7	26.7	25.3	25.9	25.5	24.1	24.6
12	22.8	17.2	20.0	19.0	18.1	18.5	26.4	25.3	25.9	24.4	23.4	23.9
13	17.2	14.5	15.6	18.8	18.1	18.5	25.8	24.4	24.9	25.7	23.8	24.7
14	14.5	12.9	13.8	18.3	14.3	16.1	25.1	23.5	24.3	26.6	24.9	25.7
15	15.0	13.2	14.2	14.3	12.4	13.5	25.3	22.9	24.4	27.2	25.5	26.2
16	16.6	14.6	15.5	15.4	12.9	14.2	22.9	20.0	21.4	27.2	25.7	26.4
17	16.8	16.3	16.6	17.0	14.7	15.8	20.0	18.5	19.2	27.5	25.7	26.5
18	17.1	16.3	16.7	18.5	16.0	17.4	19.9	18.0	18.9	27.9	26.0	26.9
19	17.8	16.5	17.0	20.0	17.8	18.8	20.9	18.2	19.5	27.9	26.4	27.2
20	17.1	15.8	16.5	21.1	19.3	20.0	21.8	19.4	20.6	28.7	26.8	27.7
21	16.6	13.6	15.7	20.4	19.0	19.7	22.5	20.6	21.6	28.6	27.0	27.8
22	13.6	12.3	12.9	19.9	18.5	19.2	23.2	21.6	22.5	29.3	27.1	28.1
23	13.9	12.2	13.2	20.3	18.3	19.3	25.2	23.0	24.0	29.3	27.2	28.2
24	14.5	13.0	13.9	21.2	19.2	20.3	26.9	24.6	25.7	29.0	27.1	28.0
25	15.5	13.8	14.6	21.5	20.3	21.0	27.3	25.9	26.5	29.5	27.5	28.3
26	16.6	15.1	15.9	20.3	18.7	19.4	27.2	25.8	26.6	29.5	27.9	28.6
27	17.6	16.0	17.0	18.8	17.4	18.2	26.7	25.7	26.3	29.8	27.6	28.5
28	18.2	17.1	17.6	19.1	17.3	18.2	28.4	25.8	26.8	29.9	28.3	28.8
29	---	---	---	19.6	18.6	19.1	29.0	26.8	27.4	28.7	27.8	28.2
30	---	---	---	19.3	18.8	19.0	26.8	23.4	24.9	28.5	27.6	28.0
31	---	---	---	19.4	18.6	18.9	---	---	---	29.2	27.2	28.0
MONTH	23.1	12.2	17.3	21.5	12.4	18.0	29.0	18.0	23.8	29.9	21.9	26.4

MISSISSIPPI RIVER DELTA

07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.7	27.7	28.5	31.1	29.0	30.0	32.2	29.8	31.1	29.3	28.6	29.0
2	---	---	---	31.3	29.5	30.4	33.6	30.9	32.4	28.6	26.7	27.7
3	---	---	---	30.6	29.4	30.0	33.3	31.4	32.2	27.7	26.5	26.9
4	---	---	---	29.8	28.7	29.3	---	---	---	28.8	27.3	27.9
5	---	---	---	30.8	28.8	29.7	---	---	---	30.0	28.2	28.9
6	---	---	---	30.6	29.1	29.8	33.2	31.7	32.4	31.1	28.8	29.6
7	30.4	29.0	29.8	32.0	29.4	30.2	33.3	31.7	32.4	30.6	29.3	29.7
8	30.1	28.7	29.5	30.8	29.3	30.1	32.6	31.4	32.0	29.9	28.9	29.2
9	29.6	28.7	29.1	31.0	29.3	29.9	31.4	29.1	30.4	29.7	28.6	29.1
10	30.5	28.2	29.0	29.9	29.1	29.5	29.5	28.2	29.0	29.9	28.3	29.2
11	30.0	29.1	29.6	31.0	29.1	29.8	29.4	28.0	28.6	30.2	29.3	29.8
12	29.8	29.1	29.3	30.0	28.5	29.4	30.6	28.4	29.2	29.8	28.9	29.3
13	30.3	28.8	29.4	29.3	28.2	28.7	30.7	28.9	29.7	29.6	28.3	29.0
14	30.8	29.0	29.6	30.0	28.2	29.2	31.3	29.5	30.3	29.3	28.2	28.7
15	30.3	28.8	29.5	30.7	28.9	29.8	31.0	29.4	30.2	28.5	26.8	27.7
16	29.9	29.2	29.6	30.6	29.2	29.9	32.5	29.7	30.6	27.4	26.0	26.8
17	30.2	28.9	29.5	30.0	28.6	29.4	31.8	30.3	31.0	27.3	25.8	26.6
18	29.2	28.0	28.6	28.6	28.1	28.3	31.7	30.7	30.9	27.2	25.8	26.5
19	28.8	27.7	28.2	30.1	28.1	29.3	32.2	30.1	30.8	27.6	26.3	26.9
20	28.3	26.8	27.6	29.0	27.9	28.5	32.0	30.3	30.8	27.2	26.7	27.0
21	28.0	27.1	27.5	29.2	27.9	28.7	32.1	30.7	31.1	27.7	26.3	27.1
22	28.9	27.4	28.0	30.2	29.0	29.6	33.0	30.7	31.3	26.3	24.1	25.1
23	30.3	28.3	29.2	30.8	29.9	30.3	32.1	30.8	31.4	24.5	23.2	23.9
24	31.0	29.1	30.0	31.2	30.0	30.4	32.8	31.0	31.5	24.7	24.0	24.3
25	30.9	29.7	30.2	31.5	29.8	30.5	32.2	30.7	31.2	24.7	23.9	24.3
26	30.0	27.7	29.1	30.5	29.2	29.8	31.2	30.1	30.6	25.6	24.2	24.9
27	28.9	27.3	28.1	30.6	29.1	29.8	30.9	29.7	30.3	26.8	25.0	25.7
28	29.8	28.1	28.9	31.1	29.2	30.0	31.4	29.8	30.6	27.5	25.9	26.6
29	30.6	28.7	29.5	31.4	29.2	30.2	31.7	30.9	31.1	28.2	26.6	27.3
30	30.8	28.9	29.7	30.6	29.3	29.9	31.2	29.7	30.4	26.6	24.1	25.1
31	---	---	---	31.6	29.3	30.5	30.4	29.2	29.7	---	---	---
MONTH	---	---	---	32.0	27.9	29.7	---	---	---	31.1	23.2	27.3

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 Oct. 1, 1995, 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 rain gage, wind speed and direction at station.

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, 3.67 ft, Oct. 23, minimum, -1.65 ft, Mar. 14.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	1.61	1.00	1.37	---	---	---	2.04	-.47	.65
2	1.60	.46	1.08	1.60	.93	1.11	1.31	-.68	.36	2.05	-.20	.85
3	1.64	.23	1.17	2.02	.39	1.18	1.71	-.60	.48	.84	-.77	-.06
4	1.70	.53	1.13	2.12	.95	1.59	1.72	-.35	.66	.84	-1.02	-.16
5	1.67	.90	1.30	2.16	.22	1.11	1.56	-.61	.50	.47	-.70	-.12
6	2.01	.79	1.50	1.47	-.24	.58	1.66	-.25	.68	.59	-.54	.11
7	1.82	.63	1.38	1.52	.00	.77	1.68	-.09	.80	.64	-.45	.21
8	1.85	1.00	1.45	1.60	-.50	.51	1.64	-.20	.68	1.01	.17	.56
9	2.29	.93	1.59	1.52	.07	.83	1.58	.78	1.20	1.01	.14	.62
10	2.11	.35	1.21	1.94	.51	1.14	1.65	.70	1.10	.90	.13	.49
11	1.84	.40	1.14	1.96	1.08	1.47	1.80	1.28	1.56	.47	-.51	-.02
12	1.68	.19	.93	1.77	.97	1.37	1.73	.46	1.16	.93	-.69	.08
13	1.45	.62	1.06	1.32	.63	1.00	.54	-.77	-.06	1.33	-.15	.62
14	1.70	.88	1.31	1.20	.76	.99	.73	-.31	.11	1.49	-.29	.64
15	1.76	1.15	1.55	1.27	.34	.89	.73	-.40	.17	1.47	-.09	.71
16	2.09	1.58	1.82	1.33	.19	.81	.70	-.60	.03	1.44	-.55	.44
17	2.48	1.94	2.16	1.45	-.10	.70	.94	-1.28	-.19	1.45	-.35	.52
18	2.14	1.30	1.86	1.45	.16	.87	1.67	-.56	.41	1.29	-.52	.41
19	2.11	1.23	1.69	1.62	-.25	.69	1.67	-.22	.75	1.14	-.52	.39
20	1.88	1.15	1.64	1.62	-.31	.61	1.80	-.34	.70	1.20	-.56	.32
21	2.21	1.44	1.73	2.66	1.05	1.59	1.86	-.27	.70	1.16	.01	.64
22	2.99	1.97	2.40	---	---	---	1.69	.13	.89	1.53	.98	1.33
23	3.67	2.44	2.88	---	---	---	1.77	.32	1.00	1.41	-.18	.57
24	2.48	1.20	1.80	---	---	---	1.67	.02	.74	.68	-.30	.30
25	2.09	.81	1.49	---	---	---	1.07	.11	.61	.63	-.73	.00
26	2.01	.72	1.36	---	---	---	.88	.29	.54	1.01	-.67	.24
27	1.95	.72	1.34	---	---	---	1.11	.17	.62	1.31	-.54	.41
28	1.90	1.04	1.51	---	---	---	1.07	.27	.61	1.76	-.35	.70
29	1.95	.98	1.54	---	---	---	.96	-.04	.25	2.10	.00	1.00
30	1.77	.94	1.40	---	---	---	1.36	-.58	.31	2.10	.04	1.06
31	1.59	.86	1.28	---	---	---	1.24	-.63	.31	1.72	-.30	.77
MONTH	---	---	---	---	---	---	---	---	---	2.10	-1.02	.46

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.72	.01	.87	.93	-.64	.21	1.44	.67	1.17	2.46	.03	1.59
2	1.46	-.01	.73	.99	-.21	.40	1.21	.62	.88	1.65	.02	.92
3	1.16	.44	.87	.95	-1.14	-.05	1.29	.50	.88	1.57	-.17	.71
4	1.07	.08	.63	1.10	.30	.80	1.63	.67	1.09	2.01	-.17	1.26
5	1.26	.73	1.07	.90	.26	.62	1.61	.37	.98	2.50	1.05	2.11
6	1.05	.33	.63	.77	.21	.52	1.23	.12	.70	1.92	.44	1.23
7	.53	.16	.34	1.83	.21	1.24	1.24	-.17	.54	2.50	.54	1.48
8	.73	-.23	.23	2.71	.92	1.87	.95	-.13	.46	2.28	.47	1.34
9	1.24	-.06	.57	1.51	.40	.85	.67	-.54	.18	1.81	.47	1.28
10	1.15	-.11	.56	1.85	.13	1.10	1.21	-.23	.55	1.75	.66	1.28
11	1.44	.00	.76	1.46	-.02	.79	.92	-.22	.42	1.78	.12	1.14
12	1.19	-.86	.26	2.88	.79	1.89	1.21	.22	.63	1.43	.58	.93
13	.96	-.68	.16	2.36	.77	1.57	1.48	.64	.97	1.27	-.26	.76
14	1.06	-.21	.38	1.07	-1.65	-.43	1.34	.47	.97	1.93	-.08	1.07
15	1.19	-.65	.31	.73	-.96	-.28	1.36	-.75	.28	1.75	.11	1.07
16	1.48	.00	.78	.90	-.03	.43	1.45	-.55	.63	2.07	.11	1.19
17	1.56	.24	.89	.89	-.05	.46	.37	-.82	-.07	2.07	.06	1.10
18	1.61	.51	.99	1.01	.18	.64	.68	-.96	-.14	2.03	-.08	.94
19	.96	-.11	.23	.88	.03	.54	.73	-1.09	-.16	2.38	-.31	1.09
20	1.20	.29	.91	1.00	-.67	.44	.67	-1.32	-.30	1.81	.10	.99
21	.95	-.05	.48	.92	-.77	.28	.97	-1.15	-.03	1.54	.12	.91
22	1.36	-.21	.69	1.46	-.21	.70	1.60	-.10	.76	1.24	.46	.88
23	.76	-.49	.21	1.24	-.41	.46	1.21	.17	.75	.87	.24	.57
24	1.16	-.92	.21	1.13	-.47	.37	.98	.11	.61	.76	.01	.44
25	1.15	-.58	.37	1.22	-.51	.41	.90	-.03	.52	1.26	.02	.73
26	1.41	-.75	.40	1.05	.25	.69	1.00	.27	.67	.75	-.59	.24
27	1.30	-.38	.49	1.05	.18	.63	1.18	.20	.82	.98	-.48	.41
28	1.15	-.75	.22	1.32	.01	.71	1.13	.43	.79	1.31	-.12	.70
29	---	---	---	1.36	.27	.76	1.24	.26	.87	1.39	.04	.79
30	---	---	---	2.54	.99	1.69	2.51	.95	1.76	1.62	-.04	.91
31	---	---	---	1.60	.72	1.03	---	---	---	1.69	-.04	.97
MONTH	1.72	-.92	.54	2.88	-1.65	.69	2.51	-1.32	.61	2.50	-.59	1.00
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.85	.30	1.21	1.33	-.29	.57	1.21	-.22	.48	2.31	1.48	1.85
2	2.16	.51	1.34	1.76	-.17	.89	.87	.19	.61	2.00	.55	1.23
3	1.79	.29	1.04	2.05	.25	1.33	.79	.27	.53	1.66	-.01	.87
4	1.46	.05	.78	2.21	1.16	1.64	1.01	.54	.78	1.61	-.41	.73
5	1.72	-.02	.89	1.77	1.19	1.53	1.28	.21	.83	1.25	-.68	.43
6	1.87	.35	1.24	1.40	.95	1.15	1.33	.16	.86	1.02	-.62	.38
7	1.65	.85	1.35	1.43	.71	1.05	1.64	.00	.94	1.51	-.46	.63
8	1.72	.94	1.34	1.49	.33	.93	1.49	-.73	.64	1.28	-.06	.71
9	1.58	.78	1.19	1.60	.10	.93	1.45	-.89	.27	1.47	.15	.88
10	1.32	.23	.91	1.56	-.39	.76	1.32	-.95	.27	1.68	.52	1.13
11	1.43	-.05	.85	1.65	-.60	.76	1.11	-.95	.22	1.45	.58	1.09
12	1.90	-.05	1.07	1.46	-.73	.51	.76	-.84	-.01	1.96	1.18	1.58
13	1.88	-.18	.96	1.57	-.73	.56	.67	-.88	-.03	1.89	1.07	1.46
14	1.90	-.28	.93	1.67	-.53	.66	.99	-.56	.26	1.60	1.08	1.35
15	1.91	-.45	.82	1.70	-.27	.83	1.48	.08	1.00	1.85	.54	1.18
16	1.76	-.15	.95	1.63	.24	.97	1.18	.52	.83	1.49	.24	.90
17	2.26	.06	1.31	1.75	.41	1.11	.82	.22	.48	1.48	.47	.95
18	2.28	1.08	1.66	1.48	.57	1.01	.61	.21	.38	1.52	.73	1.11
19	2.60	.68	1.71	1.27	.85	1.08	.83	-.19	.36	2.52	1.46	2.10
20	2.32	1.79	2.04	1.10	.54	.85	1.02	-.11	.51	3.23	1.74	2.58
21	2.08	1.28	1.77	1.09	.15	.64	1.04	-.29	.48	2.65	.97	1.96
22	1.43	.84	1.15	.79	-.19	.37	1.25	-.35	.51	2.22	.48	1.44
23	1.57	.48	1.07	.88	-.05	.42	1.41	-.25	.69	1.50	.53	1.07
24	1.36	-.05	.81	1.46	-.32	.70	1.38	-.23	.68	1.62	.65	1.20
25	1.29	-.14	.66	1.18	-.38	.56	1.20	-.61	.49	1.96	.81	1.34
26	1.37	-.22	.74	1.14	-.58	.35	1.02	-.44	.30	1.81	.93	1.39
27	1.54	-.42	.66	1.29	-.55	.41	1.13	-.34	.51	2.03	1.01	1.60
28	1.32	-.69	.41	1.52	-.50	.63	1.47	.03	.81	2.06	.82	1.46
29	1.07	-.78	.27	1.33	-.58	.43	1.23	.32	.78	1.88	.52	1.27
30	1.46	-.78	.42	1.09	-.62	.20	1.20	.52	.87	2.19	.79	1.52
31	---	---	---	1.25	-.40	.43	1.55	.38	.89	---	---	---
MONTH	2.60	-.78	1.05	2.21	-.73	.78	1.64	-.95	.56	3.23	-.68	1.25

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 good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 42,200 microsiemens, Aug. 4, 1998; minimum, 1,300 microsiemens, Feb. 3, 1994.

WATER TEMPERATURES: Maximum, 34.2 °C, Aug. 16, 1995; minimum, 2.5° C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 38,100 microsiemens, Sept. 21; minimum, 5,030 microsiemens, Oct. 13.

WATER TEMPERATURE: Maximum, 33.6°C, Aug. 7; minimum, 5.5°C, Jan. 5.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	28700	6210	18900	---	---	---	28000	21300	24100
2	17000	7310	10100	24800	16700	21100	21500	15100	18800	30100	22500	25400
3	16800	7770	12000	23000	9840	15400	22400	16800	19600	24500	15800	19700
4	15100	7890	11900	26800	16800	22000	24500	19100	20800	23500	16000	18600
5	18100	11700	13600	24300	17800	21600	22600	17200	20000	21500	17000	18300
6	18100	10400	14500	22100	12700	18500	22700	18200	20500	25400	18100	20800
7	20500	11500	15000	19400	11300	14600	24600	18700	20800	26300	18200	22600
8	16400	8030	14400	14200	9210	10500	25200	18600	21300	27400	21800	24800
9	16800	9640	14300	11700	9390	10500	23000	19600	21500	26600	20000	22800
10	17500	10800	13900	26900	10200	17100	24100	21200	22600	24500	20600	22100
11	17200	11500	13900	27200	6960	20300	26500	22200	23500	21900	18400	20300
12	15300	8010	12900	25900	20100	22800	26400	21400	24000	22700	16300	19400
13	15500	5030	13000	37300	18200	25600	21400	17200	19000	25500	17700	22300
14	18900	10800	13700	38000	12400	19800	21000	17000	18700	24800	19800	21900
15	20700	11500	15200	25400	9650	17800	20500	17600	19000	23900	19300	21300
16	21300	11600	16800	22000	7950	12300	20200	17700	18900	24400	18900	21200
17	23500	17600	20300	24000	9460	16500	20500	15300	18200	23100	17800	20700
18	22800	16000	19700	---	---	---	24900	17800	19800	22400	17200	20100
19	22200	14500	18700	---	---	---	28400	19400	24200	22100	16100	19400
20	21100	15900	18400	---	---	---	28200	21000	24800	20700	15600	18300
21	21600	16000	18500	---	---	---	29000	21800	25500	22700	17000	19100
22	26200	17400	20800	---	---	---	27300	22600	25000	26500	22700	24100
23	30900	21000	25700	---	---	---	28900	24500	26700	25000	16700	20900
24	27700	20100	23100	---	---	---	29400	24100	26200	19000	15200	17100
25	24700	17500	20400	---	---	---	27600	23900	25200	19000	12700	16500
26	23000	15500	19200	---	---	---	25800	22300	23600	18000	13300	15900
27	20800	13600	17900	---	---	---	26900	21700	24600	18800	13700	16700
28	19900	10700	16200	---	---	---	27800	19600	23700	20300	15400	18100
29	18900	10500	14800	---	---	---	28700	19200	22600	21500	18700	19900
30	19100	11300	14300	---	---	---	27700	16100	20900	22600	18700	20800
31	18800	7870	13100	---	---	---	27700	19600	23300	22000	15500	19100
MONTH	---	---	---	---	---	---	---	---	---	30100	12700	20400

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	21300	15400	18700	15600	12400	14300	23000	18900	20900	29800	21400	25200
2	20800	14900	17900	17100	12600	15000	21300	18900	20000	25700	20700	22700
3	19900	16700	18000	17100	9470	13000	21400	18800	19600	23700	20200	22100
4	18400	12600	16500	18100	13300	16200	19800	18100	19100	27600	20500	24100
5	18700	16700	17600	18300	16000	17000	20500	17000	18800	28700	23900	25800
6	17200	13100	15400	18000	14700	16200	20400	17400	18600	27300	23000	25000
7	15700	9850	12000	20700	13800	18700	19900	16500	18300	26600	22300	24400
8	17500	8560	11700	24400	19000	21600	18100	16500	17400	25600	22200	24100
9	19500	10100	15500	22600	18000	20300	18100	14900	16200	25600	22400	24400
10	19200	12500	16500	22500	16600	19900	18200	12500	15500	25200	22400	24300
11	20100	14200	17800	21400	17500	19700	16500	13400	14900	24400	21400	23100
12	19800	8890	13500	25700	20300	21800	16400	13400	14600	25000	21000	22800
13	14100	7750	9650	24600	21800	23100	17800	13900	15700	22600	18100	21300
14	15000	7630	10900	22500	14600	18700	19300	15100	17100	21600	18500	20400
15	15400	8210	11000	18600	12300	15200	20500	14300	16500	21500	17900	19600
16	19000	10700	14500	21200	16000	18800	17700	14000	16100	20900	16100	19100
17	19900	13500	16500	20000	16800	18900	16700	13900	15500	21200	15400	18400
18	20000	14500	17400	20300	17400	19000	17200	14000	15100	20700	16300	18400
19	14800	9210	11900	19700	16400	18100	16800	13500	15300	20500	16700	18400
20	17500	10900	15300	19100	15300	17200	17300	12700	15400	19800	16500	18200
21	16400	11700	14200	18400	13700	16100	17900	14700	16200	19600	16100	17800
22	19000	11400	15300	21900	15200	18400	21200	15600	18000	20100	12400	17100
23	16600	12600	14300	20000	16700	18200	21100	16100	18500	18800	16400	17700
24	16800	9120	13200	19900	16200	18200	20600	15800	18100	20600	17100	18200
25	17800	11000	14600	20600	16200	18300	20000	15900	17600	19800	14800	18100
26	18900	10600	14700	21700	16800	19100	19400	15200	17600	20300	15200	17800
27	18900	13000	16400	21600	17000	19500	22500	17400	19800	19800	15200	17100
28	17400	11100	14600	21300	18500	19900	21600	17800	19900	18600	14800	17000
29	---	---	---	22600	19800	20700	22400	19200	20600	19000	12900	16600
30	---	---	---	22900	20600	21800	26700	19200	22500	17400	14700	16600
31	---	---	---	22300	20000	21100	---	---	---	18400	13300	16500
MONTH	21300	7630	14800	25700	9470	18500	26700	12500	17600	29800	12400	20400

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	17000	13900	16000	12700	8700	10900	15100	11700	13100	33100	26300	31000
2	16700	11000	15100	14000	9210	12000	16500	12000	13400	35000	26600	30800
3	18900	14200	15500	14900	10700	12600	16700	10100	12900	29600	22500	26500
4	17600	11600	15300	22800	12100	18000	16700	12700	14900	29300	21100	25700
5	18500	12800	15500	21700	15900	18600	18200	12700	16400	27400	17200	23000
6	18000	13900	15800	17900	12000	14300	18600	14500	16500	23000	17200	20400
7	19500	13000	15400	19700	8270	15400	20500	15100	17500	26800	18200	22200
8	19600	13900	16200	25100	12000	17800	21000	13500	16900	26300	20400	22800
9	18600	12200	16200	22800	14400	19400	18400	10500	15500	26300	20900	23700
10	16400	12900	15300	23100	12400	18000	16300	11000	14400	27100	22100	25400
11	19700	14600	16100	21400	11400	17200	16100	11000	13800	27600	23700	25600
12	18000	13800	15700	22900	11900	15900	14900	10500	12700	30000	24500	27900
13	17800	13000	15800	19900	11600	15500	13800	9660	12100	30100	27500	29100
14	18400	14900	16300	18900	12300	15600	14200	10900	12600	30800	27800	29000
15	19400	14300	16500	20100	13100	16900	17600	12400	15200	31700	26100	29200
16	18500	13100	16200	20300	16000	18000	17300	14500	15900	29100	25900	27800
17	18000	14300	15900	21700	17000	19100	17400	11300	14800	28500	26700	27700
18	18000	12500	15400	20700	18000	19500	16800	13300	15200	28500	26500	27600
19	18200	13500	16000	20100	16600	18000	25300	13600	16600	34500	28100	31800
20	17600	11500	15300	18800	13700	16700	26000	14600	20400	37700	34100	36600
21	18100	13700	15200	19500	12300	15500	30500	15300	23600	38100	32600	36200
22	17900	14100	15700	19400	9160	15700	29800	17200	23900	36900	30600	33900
23	16900	13200	15600	17900	11100	14900	30400	17200	26000	34400	29600	32400
24	17700	11800	15100	17400	13600	14900	29200	22000	25200	34700	29600	32600
25	17100	12600	14900	15900	11600	13900	26300	20000	24000	33900	31100	32600
26	15800	12000	14500	16100	11600	13400	25300	20000	22700	34300	32000	33000
27	13200	9480	12100	16600	10700	13000	26300	18700	22900	34300	31900	33400
28	13400	8320	11200	16100	10700	13400	27800	21800	24600	34500	31800	33300
29	12300	7280	9910	15400	12400	13900	28200	23200	25200	33900	30800	32800
30	13300	7810	10100	17400	10900	13700	26800	23900	25500	34800	32200	33200
31	---	---	---	15000	12100	13300	26700	24000	25700	---	---	---
MONTH	19700	7280	15000	25100	8270	15600	30500	9660	18400	38100	17200	29200

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	25.4	24.1	24.6	---	---	---	13.9	12.2	13.0
2	28.5	26.7	27.3	24.7	23.9	24.3	22.5	21.6	21.9	13.9	13.1	13.7
3	28.9	26.6	27.4	23.9	22.2	23.0	22.3	21.6	21.9	13.1	9.6	11.4
4	27.9	27.2	27.5	22.9	21.6	22.0	22.7	21.6	22.2	9.6	6.9	8.2
5	27.7	26.9	27.3	21.6	18.3	20.1	23.7	22.2	22.9	7.1	5.5	6.4
6	28.1	26.8	27.3	18.3	16.4	17.2	23.9	22.8	23.3	8.0	6.3	7.2
7	27.8	26.9	27.4	17.2	15.4	16.3	24.5	23.3	23.9	9.8	7.8	8.8
8	27.7	24.9	26.2	18.8	16.5	17.5	24.4	22.6	23.9	10.9	9.3	9.9
9	24.9	23.6	24.3	19.9	17.9	18.8	22.6	19.7	20.9	11.8	9.9	11.1
10	24.2	22.6	23.4	21.0	19.6	20.4	19.7	19.2	19.4	9.9	8.0	8.7
11	24.5	22.8	23.6	20.7	18.4	19.4	20.4	18.9	19.6	10.4	8.4	9.4
12	24.9	23.5	24.1	18.4	17.4	18.0	20.9	19.5	20.2	11.1	9.6	10.2
13	24.8	23.8	24.3	18.5	17.7	18.1	19.5	15.4	17.1	12.1	10.9	11.5
14	25.3	24.1	24.6	19.6	18.3	18.9	15.5	14.2	14.7	12.8	11.8	12.4
15	25.7	24.4	25.0	19.9	19.2	19.5	14.7	13.3	14.0	13.3	12.3	12.8
16	26.0	24.7	25.4	20.1	19.5	19.9	14.7	13.4	14.0	14.0	12.4	13.2
17	26.0	24.9	25.5	20.4	19.8	20.1	14.2	12.9	13.6	14.7	13.4	13.9
18	26.4	25.2	25.7	---	---	---	13.9	12.6	13.4	16.7	14.3	15.5
19	27.2	25.7	26.3	---	---	---	15.2	13.7	14.5	17.3	15.9	16.6
20	27.2	26.0	26.6	---	---	---	16.4	15.1	15.8	19.3	16.7	17.9
21	26.9	24.9	25.9	---	---	---	18.5	16.1	17.0	20.2	18.2	19.1
22	24.9	20.2	22.6	---	---	---	18.0	15.1	16.8	20.4	18.9	19.6
23	20.8	19.2	19.9	---	---	---	15.1	13.9	14.3	20.2	17.5	19.4
24	20.0	18.4	19.1	---	---	---	14.0	12.1	13.1	17.5	14.9	15.7
25	21.3	19.3	20.3	---	---	---	12.1	10.7	11.4	16.7	14.9	15.7
26	22.5	20.8	21.5	---	---	---	10.7	10.3	10.4	16.9	15.6	16.2
27	23.0	21.4	22.2	---	---	---	11.7	10.3	10.9	17.7	16.5	17.0
28	23.7	22.2	22.9	---	---	---	12.1	11.4	11.7	18.7	17.4	18.0
29	24.1	22.8	23.4	---	---	---	12.7	12.0	12.3	20.0	18.3	19.1
30	24.5	23.4	23.8	---	---	---	12.1	11.3	11.8	20.2	19.4	19.8
31	24.8	23.7	24.2	---	---	---	12.9	11.3	12.1	19.9	19.0	19.5
MONTH	---	---	---	---	---	---	---	---	---	20.4	5.5	13.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	19.5	18.5	19.0	19.1	17.0	18.0	21.2	19.1	20.0	23.8	21.7	22.6
2	19.1	18.4	18.7	19.6	17.9	18.8	22.1	20.4	21.0	24.1	22.1	23.0
3	18.7	18.0	18.2	19.4	16.9	18.2	22.6	21.3	21.9	24.5	22.6	23.6
4	19.5	18.0	18.7	17.0	15.1	15.9	23.4	22.0	22.5	23.8	22.9	23.4
5	19.5	18.2	18.9	17.0	15.3	16.1	24.3	22.5	23.3	25.2	23.4	24.2
6	20.3	18.5	19.3	19.1	16.8	17.7	26.0	23.4	24.4	26.6	24.8	25.6
7	21.0	19.6	20.2	18.9	16.6	17.3	26.8	24.7	25.7	26.8	25.3	26.1
8	22.6	20.5	21.3	17.1	16.1	16.6	26.5	25.1	25.8	26.7	25.3	26.0
9	22.3	21.5	21.9	19.2	17.1	17.9	26.3	24.7	25.6	27.4	25.2	26.1
10	22.7	21.6	22.1	18.9	17.6	18.4	26.5	24.7	25.4	26.6	25.5	26.0
11	23.1	22.1	22.6	19.9	18.2	18.9	26.7	25.2	25.8	25.6	24.2	24.7
12	22.7	17.1	19.9	19.2	18.3	18.6	26.5	24.8	25.7	24.4	23.5	23.9
13	17.1	14.2	15.1	18.9	18.2	18.5	25.6	23.2	24.5	25.9	23.8	24.7
14	14.6	12.6	13.7	18.5	14.0	16.0	24.8	23.2	24.1	27.0	25.0	25.7
15	15.5	13.1	14.2	14.0	12.0	13.0	25.1	23.2	24.4	27.1	25.5	26.2
16	16.7	14.5	15.2	15.4	12.8	13.8	23.2	19.6	20.8	26.9	25.1	26.1
17	17.1	16.1	16.6	17.1	14.7	15.8	19.8	17.3	18.7	27.2	25.3	26.2
18	17.6	16.2	16.9	18.7	16.3	17.4	19.2	17.4	18.4	27.9	24.3	26.6
19	17.7	16.6	17.0	20.3	17.9	18.9	20.4	17.7	19.1	27.9	26.3	27.1
20	17.3	15.9	16.5	21.0	19.2	20.0	21.7	19.2	20.4	28.7	26.5	27.5
21	16.6	14.3	15.7	20.9	19.0	19.7	23.0	20.2	21.5	28.5	26.6	27.5
22	14.3	11.1	12.5	19.8	18.2	19.1	23.3	21.3	22.3	29.0	26.9	27.9
23	13.9	11.7	12.8	20.2	18.3	19.2	25.7	23.2	24.3	29.4	27.6	28.4
24	14.6	12.7	13.6	21.3	19.2	20.2	27.4	25.0	26.0	29.5	27.1	28.2
25	15.9	13.6	14.7	21.7	20.7	21.1	27.6	26.0	26.8	29.9	27.7	28.6
26	17.0	15.0	15.9	20.7	18.5	19.4	27.4	26.0	26.7	29.6	27.8	28.7
27	18.2	16.5	17.3	18.6	17.2	17.9	26.8	26.0	26.4	29.5	27.4	28.4
28	18.6	17.4	18.0	19.5	17.1	18.1	28.1	25.8	26.7	30.5	28.0	28.8
29	---	---	---	19.8	18.5	19.1	28.3	26.7	27.3	29.1	28.2	28.5
30	---	---	---	19.3	18.4	18.9	26.8	23.8	25.2	28.5	27.6	28.0
31	---	---	---	19.5	18.5	18.9	---	---	---	29.2	26.9	27.7
MONTH	23.1	11.1	17.4	21.7	12.0	18.0	28.3	17.3	23.7	30.5	21.7	26.3

MISSISSIPPI RIVER DELTA

07374527 NORTHEAST BAY GARDENE NEAR POINTE-A-LA-HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.5	27.4	28.3	30.8	28.8	29.8	32.0	30.0	30.9	29.5	28.5	28.9
2	29.7	27.8	28.7	31.2	29.1	30.1	33.2	30.8	31.8	28.5	26.7	27.6
3	30.3	27.9	29.0	30.5	29.2	29.8	33.0	31.3	32.2	27.7	26.5	27.0
4	30.9	28.5	29.4	29.7	28.3	29.1	33.0	31.7	32.2	29.0	27.2	28.0
5	31.2	29.1	30.2	30.8	28.7	29.5	32.9	31.5	32.1	30.3	28.2	29.1
6	31.1	29.5	30.3	30.7	28.8	29.7	33.2	31.6	32.2	30.7	28.9	29.6
7	30.4	28.6	29.6	32.8	29.7	30.7	33.6	31.6	32.4	30.5	29.1	29.6
8	30.2	28.7	29.4	31.0	29.8	30.3	32.7	31.4	32.0	29.8	28.8	29.1
9	29.7	28.6	29.3	31.4	29.4	30.1	31.4	29.2	30.5	29.5	28.5	29.0
10	30.6	28.1	29.4	30.3	29.2	29.8	29.5	28.5	29.0	29.6	28.0	28.8
11	30.1	28.9	29.5	31.0	29.1	29.9	29.3	28.1	28.6	29.6	28.2	29.0
12	30.1	28.6	29.4	30.4	28.7	29.8	30.6	28.5	29.4	29.9	28.6	29.3
13	30.6	28.6	29.5	29.1	28.2	28.7	31.4	28.9	30.1	29.8	28.5	29.1
14	31.0	28.5	29.6	30.2	28.2	28.9	32.6	29.5	30.5	29.2	28.2	28.7
15	30.5	28.7	29.6	30.4	28.7	29.5	31.1	29.7	30.3	28.5	27.0	27.6
16	30.0	29.0	29.5	30.4	29.0	29.6	32.0	29.7	30.7	27.4	25.8	26.6
17	30.3	28.7	29.5	29.9	29.1	29.4	33.1	30.5	31.5	26.9	25.5	26.2
18	29.5	27.6	28.5	29.1	27.9	28.4	31.8	30.5	31.2	26.8	25.4	26.1
19	28.8	27.5	28.2	29.9	27.9	28.7	32.9	30.3	31.0	27.7	26.2	26.9
20	28.7	26.5	27.6	29.3	28.5	28.8	32.9	30.4	31.1	27.4	26.8	27.0
21	27.9	26.7	27.3	30.9	28.3	29.2	32.4	30.8	31.3	27.7	26.3	27.1
22	29.0	27.0	27.9	31.8	29.2	30.1	33.3	30.6	31.4	26.3	23.6	24.6
23	30.6	28.2	29.2	31.5	30.0	30.7	32.9	30.6	31.2	24.0	22.6	23.3
24	30.9	28.8	29.8	31.6	30.5	31.0	32.6	30.7	31.3	24.6	23.3	23.9
25	30.4	29.2	29.8	32.0	30.1	30.9	32.4	30.8	31.5	24.2	23.8	24.0
26	29.6	27.6	28.8	31.1	29.9	30.4	31.3	30.2	30.6	25.2	23.8	24.4
27	29.0	27.0	27.9	30.3	29.2	29.7	31.1	29.9	30.4	26.7	24.9	25.6
28	29.6	27.7	28.6	30.6	28.8	29.6	31.1	29.7	30.4	27.6	26.1	26.7
29	30.4	28.2	29.2	31.3	28.9	30.0	31.5	30.2	30.8	28.4	26.7	27.5
30	30.5	28.5	29.4	31.0	29.5	30.4	31.3	29.4	30.1	26.7	23.8	24.8
31	---	---	---	31.9	29.5	30.5	30.1	28.8	29.4	---	---	---
MONTH	31.2	26.5	29.1	32.8	27.9	29.8	33.6	28.1	30.9	30.7	22.6	27.2

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR APRIL 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.61	.11	.93	1.01	-.63	.27	1.08	-.19	.49	2.31	1.81	2.08
2	1.81	-.01	1.03	1.31	-.51	.56	.88	.18	.61	2.50	.90	1.56
3	1.51	-.18	.76	1.71	-.07	.99	.87	.28	.55	2.00	.39	1.25
4	1.21	-.21	.53	1.71	.81	1.23	1.01	.51	.78	2.09	.08	1.15
5	1.51	-.25	.70	1.41	.71	1.13	1.21	.21	.76	1.68	-.24	.86
6	1.61	.10	1.01	1.01	.61	.77	1.31	.11	.79	1.47	-.13	.84
7	1.41	.51	1.10	1.11	.41	.75	1.61	.03	.89	1.86	-.06	1.01
8	1.51	.71	1.09	1.51	.41	.86	1.41	-.81	.51	1.65	.35	1.07
9	1.41	.51	.93	1.51	.10	.93	1.31	-1.01	.16	1.85	.55	1.23
10	1.11	.02	.68	1.60	-.37	.77	1.11	-1.08	.16	1.94	.94	1.47
11	1.21	-.27	.63	1.59	-.62	.72	1.01	-.88	.17	1.73	1.03	1.40
12	1.81	-.25	.86	1.49	-.75	.50	.71	-.81	-.03	2.22	1.42	1.86
13	1.61	-.43	.71	1.58	-.63	.57	.71	-.80	.03	2.12	1.42	1.74
14	1.61	-.71	.66	1.68	-.49	.65	.91	-.44	.31	1.91	1.41	1.67
15	1.61	-.69	.62	1.67	-.23	.78	1.41	.11	1.02	2.40	.90	1.53
16	1.61	-.40	.74	1.57	.17	.91	1.11	.51	.76	1.89	.59	1.21
17	2.01	-.13	1.16	1.76	.37	1.03	.71	.21	.43	1.79	.78	1.24
18	2.11	.61	1.41	1.46	.56	1.00	.61	.21	.37	1.78	.97	1.38
19	2.41	.41	1.53	1.25	.75	1.02	.81	-.14	.35	2.96	1.67	2.37
20	2.01	1.51	1.73	1.05	.45	.78	1.01	-.11	.48	3.46	1.96	2.80
21	1.81	1.01	1.49	1.04	.14	.59	1.01	-.21	.46	2.86	1.15	2.15
22	1.21	.61	.90	.74	-.09	.38	1.21	-.29	.49	2.45	.64	1.69
23	1.41	.21	.85	.93	-.02	.45	1.41	-.21	.64	1.74	.73	1.27
24	1.21	-.23	.58	1.43	-.29	.70	1.31	-.23	.61	1.83	.83	1.38
25	1.01	-.39	.41	1.22	-.32	.56	1.11	-.64	.43	2.12	1.03	1.51
26	1.11	-.67	.41	1.12	-.62	.34	---	---	---	2.01	1.12	1.56
27	1.31	-.75	.36	1.31	-.50	.43	---	---	---	2.20	1.21	1.76
28	.91	-1.02	.11	1.51	-.47	.62	---	---	---	2.20	1.00	1.59
29	.81	-1.11	.01	1.30	-.62	.43	---	---	---	1.99	.69	1.47
30	1.11	-.95	.16	1.10	-.62	.24	---	---	---	2.59	.98	1.73
31	---	---	---	1.29	-.36	.45	---	---	---	---	---	---
MONTH	2.41	-1.11	.80	1.76	-.75	.69	---	---	---	3.46	-.24	1.53

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR APRIL 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.8	27.5	28.5	31.2	28.7	29.8	33.1	30.3	31.4	---	---	---
2	30.3	28.0	29.0	31.4	29.0	30.1	33.7	31.1	32.2	28.4	26.2	27.2
3	30.9	28.6	29.6	30.5	29.2	29.7	34.0	31.4	32.6	27.5	26.4	26.8
4	31.7	29.1	30.2	30.1	28.4	29.2	33.2	31.7	32.4	30.0	27.0	28.1
5	31.6	29.7	30.6	31.0	28.8	29.8	33.1	31.0	31.9	30.7	28.2	29.3
6	31.1	29.8	30.5	30.8	29.5	30.0	33.3	31.1	32.0	30.3	28.2	29.2
7	30.4	28.8	29.5	32.1	29.6	30.4	33.7	31.5	32.5	30.7	28.6	29.3
8	30.3	28.4	29.4	30.8	29.5	30.1	32.7	30.7	31.7	30.1	28.3	29.0
9	29.5	28.5	29.0	31.2	28.7	29.6	30.7	27.8	29.7	30.2	28.3	29.0
10	31.2	28.3	29.4	30.1	28.4	29.3	29.4	27.4	28.3	30.1	27.5	28.7
11	30.2	28.4	29.3	31.5	29.0	30.0	30.2	27.3	28.7	29.8	28.1	29.0
12	30.5	28.4	29.2	31.0	28.2	30.1	31.4	28.8	30.0	30.2	28.6	29.3
13	30.4	28.6	29.3	29.4	27.5	28.4	31.4	29.4	30.4	30.0	28.3	29.2
14	31.3	28.6	29.7	30.7	27.5	29.0	31.5	29.7	30.4	29.6	28.2	28.8
15	30.6	29.2	29.9	31.3	28.9	30.1	31.1	29.0	30.1	28.4	26.6	27.5
16	30.1	29.1	29.6	30.7	29.3	30.0	31.8	29.4	30.4	27.6	25.3	26.5
17	30.1	28.7	29.3	30.2	29.0	29.6	32.9	29.8	31.1	27.1	25.3	26.3
18	28.9	26.9	28.0	29.0	27.8	28.4	31.7	30.2	30.9	27.1	25.2	26.5
19	28.6	27.1	27.9	31.0	27.6	29.1	31.4	29.8	30.5	27.7	26.3	26.9
20	28.5	26.5	27.5	30.3	28.5	29.1	31.9	29.8	30.6	27.3	26.6	26.9
21	28.2	26.6	27.4	31.2	28.2	29.4	31.3	30.2	30.8	28.0	26.3	27.0
22	29.1	27.2	27.9	32.5	29.1	30.6	31.6	30.4	30.9	26.3	23.7	24.7
23	30.8	28.1	29.1	32.3	30.2	31.3	32.4	30.1	31.0	24.8	22.3	23.4
24	31.2	28.8	30.0	32.8	31.1	31.7	31.9	30.4	31.0	24.7	23.4	23.9
25	30.6	29.1	29.8	32.3	30.7	31.3	31.2	30.1	30.6	24.3	23.7	24.0
26	29.6	26.3	28.3	31.2	29.9	30.4	---	---	---	25.5	23.6	24.5
27	29.7	26.3	27.8	29.9	28.9	29.3	---	---	---	27.0	25.1	26.0
28	30.8	27.9	29.0	31.2	28.5	29.5	---	---	---	27.9	26.3	27.1
29	31.3	28.3	29.6	32.2	29.0	30.5	---	---	---	29.2	26.8	27.8
30	31.2	28.6	29.8	31.3	29.7	30.3	---	---	---	26.8	23.9	25.2
31	---	---	---	31.8	29.7	30.5	---	---	---	---	---	---
MONTH	31.7	26.3	29.1	32.8	27.5	29.9	---	---	---	---	---	---

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 Sep. 16 were dipped from centrum of flow due to salt water intrusion.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)	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)
MAR 31...	1550	347	7.72	11.5	20	5.0	0.8	10.1	3.0	K2100	K1400
APR 30...	0930	427	7.97	18.0	10	11	0.6	8.1	1.1	950	500
MAY 28...	1030	390	7.68	18.4	5	--	0.8	6.8	1.2	1120	400
AUG 10...	1300	535	7.89	32.5	.0	24	--	6.9	--	--	K46
SEP 16...	1030	2450	8.31	28.0	.0	1.7	--	7.7	--	230	K62
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)
MAR 31...	120	34	9.6	91	38	22	.16	--	204	88	<.01
APR 30...	160	42	13	112	52	29	.21	5.7	267	190	<.01
MAY 28...	--	--	--	108	--	--	--	7.3	--	63	<.01
AUG 10...	180	47	15	130	59	39	.28	8.5	316	37	<.01
SEP 16...	360	60	51	143	150	570	.33	8.4	1420	6	<.01
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)
MAR 31...	.02	1.4	1.4	.03	<.01	.50	E.23	.21	E.07	E.17	.06
APR 30...	<.01	1.7	1.8	.03	<.01	.65	E.24	.24	E.08	E.21	.09
MAY 28...	<.01	2.3	2.0	.02	<.01	.48	E.24	.15	E.08	.10	.08
AUG 10...	<.01	2.0	2.0	.03	.02	.42	.24	.18	.15	.12	.11
SEP 16...	.01	1.3	1.3	.04	<.01	.32	.28	.13	.12	E.15	.13

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

E Estimated.

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

LOWER MISSISSIPPI RIVER BASIN
07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)
MAR 31...	--	<.050	<.050	<.100	<.050	<.050	<.050	<.050	<.050	<.050	<.050
APR 30...	8.0	<.050	E.009	<.050	<.050	<.050	<.050	.140	<.050	<.050	<.050
MAY 28...	27	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
AUG 10...	4.7	<.050	<.050	<.050	<.050	<.050	<.050	<.050	E.002	<.050	<.050
SEP 16...	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)
MAR 31...	<.050	<.050	E.023	<.050	<.050	<.050	E.041	<.200	<.050	<.050	E.029
APR 30...	<.050	<.050	.150	<.050	<.050	.052	.079	E.110	<.050	E.014	.220
MAY 28...	<.050	<.050	.230	E.046	<.050	.100	.220	E.130	<.050	E.031	.530
AUG 10...	<.050	<.050	E.016	E.012	E.018	.063	.130	E.045	<.050	E.009	.140
SEP 16...	<.050	<.050	<.050	<.050	<.050	<.050	.100	<.200	<.050	<.050	.069
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)	
MAR 31...	.07	.04	<.01	<.01	<.050	<.050	<.01	<.050	1.2	<.1	
APR 30...	.58	--	--	--	E.020	.088	--	<.050	1.1	<.1	
MAY 28...	1.5	.04	<.01	<.01	E.032	.188	<.01	<.050	1.0	<.1	
AUG 10...	.38	<.01	<.01	<.01	E.010	E.013	<.01	<.050	1.8	<.1	
SEP 16...	.20	<.05	<.03	<.03	<.050	<.050	<.04	<.050	2.3	.2	

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

MISSISSIPPI RIVER DELTA

07374573 W-14 CANAL AT KINGSPPOINT BOULEVARD AT SLIDELL, LA

LOCATION.--Lat 30°15'27", long 89°45'08", T. 9 S., R. 14 E. sec. 13, St. Tammany Parish, Hydrologic Unit 08090201, at bridge on Kingspoint Boulevard, approximately 0.1 mile north of intersection with the I-10 service road..

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--May 1998 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.90 ft, Sept. 28, 1998; minimum, -0.66 ft, Apr. 19, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2.16 ft, Mar. 13, 14; minimum, -0.66 ft, Apr. 19.

ELEVATION, IN FEET NAVD 1988, WATER YEAR MAY 1998 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	---	---	.07	1.22
2								---	---	---	.36	1.71
3								---	---	---	.85	2.31
4								---	---	---	1.11	2.14
5								---	---	---	1.14	1.68
6								---	---	---	1.14	1.50
7								---	---	---	1.22	1.44
8								---	---	---	1.28	1.36
9								---	---	---	1.18	1.33
10								---	---	---	.99	1.76
11								---	---	---	.75	2.86
12								---	---	---	.54	3.57
13								---	---	---	.51	3.28
14								---	---	---	.50	2.91
15								---	---	---	.49	2.62
16								---	---	---	.49	2.46
17								---	---	---	.52	2.55
18								---	---	---	.58	2.83
19								---	---	---	.67	2.56
20								---	---	---	.83	2.64
21								---	---	.50	1.28	2.28
22								---	---	.63	1.68	1.78
23								---	---	.65	1.73	1.43
24								---	---	.57	1.53	1.35
25								---	---	.56	1.29	1.68
26								---	---	.56	1.00	1.94
27								---	---	.43	.85	2.16
28								---	---	.28	.67	3.33
29								---	---	.24	.74	3.25
30								---	---	.09	.88	2.25
31								---	---	.05	.94	---
MAX								---	---	---	1.73	3.57
MIN								---	---	---	.07	1.22

MISSISSIPPI RIVER DELTA

07374573 W-14 CANAL AT KINGSPPOINT BOULEVARD AT SLIDELL, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR MAY 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.69	1.21	.50	.50	1.04	.41	1.35	1.13	.98	.43	.44	1.35
2	1.42	1.39	.45	1.02	.97	.48	1.17	1.11	1.11	.55	.54	1.81
3	1.36	1.16	.53	.59	.94	.39	1.12	.98	1.11	.73	.59	1.62
4	1.28	1.18	.76	.02	.92	.29	1.15	1.06	.96	1.21	.73	1.38
5	1.30	1.16	.79	-.29	.97	.76	1.20	1.71	.79	1.41	.86	1.10
6	1.41	.71	.82	.09	.94	.82	1.17	1.81	.83	1.31	.84	.84
7	1.57	.61	.87	.31	.78	.74	.97	1.59	1.13	1.06	.89	.79
8	1.42	.76	.86	.55	.49	1.21	.87	1.47	1.18	.96	.95	.76
9	1.40	.81	.67	.77	.54	1.66	.69	1.36	1.16	1.07	.98	.81
10	1.38	1.13	.79	.47	.67	1.32	.60	1.36	.98	1.14	1.04	.85
11	1.22	1.10	1.05	.18	.83	1.15	.67	1.36	.83	1.07	.76	1.00
12	1.07	1.19	1.42	.20	.78	1.20	.60	1.37	.82	1.01	.35	1.19
13	.95	1.16	1.02	.51	.26	1.80	.70	1.11	.85	.74	.06	1.42
14	1.02	1.17	.28	.71	.13	1.95	.97	.94	.89	.66	.06	1.32
15	1.19	1.10	.01	.75	.41	1.21	1.22	.99	.91	.69	.47	1.11
16	1.53	1.06	.00	.77	.73	.71	.65	1.05	.86	.84	.83	.86
17	1.81	.87	-.17	.82	1.01	.70	.29	1.10	.84	.98	.75	.80
18	2.00	.85	.00	.78	1.07	.80	-.17	1.09	.98	1.08	.44	.91
19	1.91	.84	.53	.68	.79	.79	-.22	1.01	1.09	1.08	.46	1.26
20	1.62	.78	.68	.68	.61	.72	-.20	1.02	1.38	1.05	.54	1.74
21	1.47	.80	.80	.74	.50	.52	-.16	.95	1.48	.86	.59	2.02
22	1.38	1.17	.63	1.19	.25	.52	.43	.88	1.37	.54	.63	1.75
23	1.59	1.35	.67	1.37	.41	.64	.84	.73	1.18	.34	.69	1.40
24	1.82	1.07	.66	.81	.32	.68	.83	.58	1.01	.49	.76	1.30
25	1.65	.86	.53	.29	.41	.62	.67	.56	.86	.57	.83	1.24
26	1.49	.52	.47	.15	.47	.50	.75	.43	.98	.51	.64	1.34
27	1.39	.34	.56	.34	.65	.62	1.00	.29	.92	.53	.58	1.55
28	1.36	.27	.78	.56	.61	.76	.79	.51	.73	.57	.67	1.67
29	1.46	.36	.60	.88	---	.96	.82	.61	.48	.61	.78	1.57
30	1.45	.57	.15	1.17	---	1.14	.87	.79	.30	.40	.82	1.38
31	1.31	---	.30	1.18	---	1.57	---	.90	---	.42	.93	---
MAX	2.00	1.39	1.42	1.37	1.07	1.95	1.35	1.81	1.48	1.41	1.04	2.02
MIN	.95	.27	-.17	-.29	.13	.29	-.22	.29	.30	.34	.06	.76

MISSISSIPPI RIVER DELTA

07374577 BAYOU BONFOUCA AT WEST HALL ROAD, AT SLIDELL, LA

LOCATION.--Lat 30°17'05", long 89°47'30", T. 9 S., R. 14 E., St. Tammany Parish, Hydrologic Unit 08090201, at bridge on West Hall Road, approximately 0.7 miles west of intersection with Hwy. 11.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1985 to September 1987 (elevations only); May 1998 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.98 ft, Sept. 28, 1998; minimum, -0.62 ft, Apr. 18, 1999.

EXTREMES FOR CURRENT YEAR.--Water Year 1999: Maximum elevation, 2.73 ft, Mar. 13; minimum, -0.62 ft, Apr. 18.

ELEVATION, IN FEET NAVD 1988, WATER YEAR MAY 1998 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									.43	-.12	-.04	1.17
2									.05	-.03	.30	1.97
3									-.12	.17	.94	2.52
4									.19	.20	1.21	1.80
5									.28	-.03	1.15	1.43
6									.50	.09	1.11	1.40
7									.51	.27	1.21	1.37
8									.86	.33	1.24	1.29
9									1.20	.12	1.05	1.28
10									.96	-.09	.85	1.96
11									.84	-.10	.60	3.55
12									.65	-.03	.41	4.07
13									.33	.03	.43	3.48
14									.09	.23	.43	2.94
15									-.25	.11	.36	2.65
16									-.14	-.11	.39	2.49
17									.26	-.15	.45	2.60
18									.57	.02	.52	2.76
19								.76	.34	.22	.61	2.39
20								.79	.15	.29	.83	2.73
21								.53	.30	.43	1.54	1.90
22								.20	.38	.62	1.91	1.21
23								.20	.41	.64	1.71	1.11
24								.34	.41	.53	1.41	1.35
25								.53	.47	.52	1.12	1.83
26								.76	.62	.50	.80	2.03
27								.92	.67	.38	.75	2.35
28								1.09	.57	.22	.56	4.16
29								1.14	.44	.19	.68	1.95
30								.98	.16	.03	.82	1.29
31									.79	---	-.05	.93---
MAX									1.20	.64	1.91	4.16
MIN									-.25	-.15	-.04	1.11

MISSISSIPPI RIVER DELTA

07374577 BAYOU BONFOUCA AT WEST HALL ROAD, AT SLIDELL, LA--Continued
 ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.36	1.14	.46	.43	.96	.29	1.29	1.29	1.03	.41	.42	1.54
2	1.24	1.42	.41	1.04	.88	.42	1.07	1.14	1.19	.54	.55	2.04
3	1.31	.94	.50	.36	.89	.27	1.10	.95	1.15	.77	.59	1.53
4	1.19	1.15	.77	-.10	.81	.22	1.16	1.15	.91	1.40	.77	1.28
5	1.28	1.12	.76	-.35	.95	.79	1.23	2.25	.74	1.57	.91	1.01
6	1.46	.53	.77	.00	.88	.78	1.16	1.82	.82	1.31	.86	.72
7	1.63	.54	.85	.24	.70	.71	.85	1.46	1.23	1.00	.92	.75
8	1.34	.75	.81	.48	.36	1.35	.81	1.34	1.23	.92	1.00	.69
9	1.37	.75	.60	.63	.45	1.86	.61	1.32	1.18	1.11	.76	.79
10	1.32	1.14	.76	.37	.61	1.12	.50	1.37	.95	1.20	.83	.85
11	1.12	1.04	1.15	.11	.80	1.00	.63	1.29	.78	1.06	.50	1.05
12	.97	1.21	1.56	.13	.68	1.22	.57	1.37	.78	.91	.25	1.24
13	.86	1.13	.67	.43	.05	2.10	.72	1.03	.83	.63	-.02	1.51
14	.98	1.11	-.06	.67	.05	1.66	1.05	.86	.88	.60	-.01	1.29
15	1.19	.98	-.11	.68	.35	.28	1.34	.97	.83	.66	.47	1.07
16	1.64	1.00	-.05	.71	.73	.36	.36	1.10	.83	.87	.89	.81
17	1.96	.76	-.27	.77	1.03	.64	.12	1.15	.81	1.02	.77	.78
18	2.03	.79	-.11	.72	1.03	.81	-.31	1.12	1.07	1.12	.39	.91
19	1.80	.80	.49	.59	.56	.75	-.28	.97	1.14	1.11	.43	1.37
20	1.48	.74	.64	.63	.47	.69	-.24	1.02	1.53	1.09	.54	2.05
21	1.40	.77	.77	.68	.37	.39	-.24	.91	1.58	.86	.60	2.08
22	1.33	1.28	.54	1.31	.13	.44	.45	.86	1.35	.49	.65	1.55
23	1.72	1.45	.64	1.41	.36	.60	.91	.70	1.14	.28	.71	1.24
24	1.85	.94	.61	.43	.24	.64	.86	.51	.96	.46	.78	1.27
25	1.54	.76	.47	.06	.32	.56	.63	.54	.80	.59	.87	1.21
26	1.40	.42	.39	.07	.40	.40	.75	.43	.91	.47	.60	1.36
27	1.32	.27	.51	.28	.63	.61	1.06	.25	.85	.51	.53	1.63
28	1.32	.21	.77	.51	.52	.75	.74	.51	.69	.57	.68	1.69
29	1.45	.31	.53	.89	---	1.01	.80	.64	.45	.58	.80	1.52
30	1.38	.55	.04	1.22	---	1.17	.88	.85	.24	.35	.83	1.33
31	1.22	---	.23	1.14	---	1.68	---	.93	---	.39	.97	---
MAX	2.03	1.45	1.56	1.41	1.03	2.10	1.34	2.25	1.58	1.57	1.00	2.08
MIN	.86	.21	-.27	-.35	.05	.22	-.31	.25	.24	.28	-.02	.69

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)
Mar. 15	1200	*1,480	*14.11	No other peak greater than base discharge.			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	46	50	67	169	63	122	43	70	50	48	32
2	60	47	50	75	119	60	88	42	59	46	43	33
3	57	48	50	185	100	61	75	42	52	44	40	33
4	55	47	52	122	89	63	69	43	48	43	38	34
5	54	46	52	88	81	60	65	44	47	42	36	35
6	55	45	52	77	75	59	62	44	46	41	35	38
7	108	45	52	75	72	58	63	44	48	40	35	35
8	362	45	55	80	70	57	61	43	48	39	34	36
9	218	46	61	81	69	118	58	42	47	51	34	39
10	102	47	57	77	66	397	55	44	49	46	34	39
11	76	61	56	71	66	219	53	51	48	41	35	35
12	65	67	61	68	66	173	51	57	47	37	35	33
13	59	51	66	67	62	362	49	60	49	41	34	33
14	56	53	64	66	60	606	48	55	63	42	33	33
15	54	84	58	65	60	1160	48	49	53	38	32	32
16	56	86	56	63	60	493	50	47	52	38	31	31
17	55	65	54	62	60	190	48	46	53	40	34	30
18	53	59	54	62	67	141	47	45	52	38	32	30
19	52	56	54	61	71	114	47	45	47	37	32	29
20	51	54	57	61	64	97	46	44	45	36	31	30
21	49	53	60	60	61	86	46	44	44	37	32	30
22	48	54	57	62	60	77	46	43	44	36	35	30
23	47	54	55	68	58	71	45	43	45	34	38	29
24	46	53	56	87	59	68	45	45	67	41	34	29
25	46	53	71	72	57	66	45	52	58	76	36	29
26	46	54	78	65	57	71	44	48	103	93	35	30
27	46	52	69	63	57	74	44	45	198	53	33	31
28	46	52	72	62	59	66	46	45	189	120	32	31
29	45	52	154	74	---	63	44	45	77	171	32	34
30	45	51	99	240	---	70	44	54	55	122	32	39
31	45	---	74	253	---	132	---	71	---	61	31	---
TOTAL	2222	1626	1956	2679	2014	5395	1654	1465	1903	1674	1076	982
MEAN	71.7	54.2	63.1	86.4	71.9	174	55.1	47.3	63.4	54.0	34.7	32.7
MAX	362	86	154	253	169	1160	122	71	198	171	48	39
MIN	45	45	50	60	57	57	44	42	44	34	31	29
CFSM	.75	.57	.66	.90	.75	1.82	.58	.49	.66	.57	.36	.34
IN.	.87	.63	.76	1.04	.78	2.10	.64	.57	.74	.65	.42	.38

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1999, BY WATER YEAR (WY)

MEAN	64.1	122	187	219	303	257	241	157	90.8	90.8	96.7	92.3
MAX	216	800	866	831	1257	621	1227	853	373	302	426	419
(WY)	1978	1962	1954	1998	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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1944 - 1999

ANNUAL TOTAL	69397	24646	
ANNUAL MEAN	190	67.5	159
HIGHEST ANNUAL MEAN			313
LOWEST ANNUAL MEAN			62.5
HIGHEST DAILY MEAN	3980	Mar 8	15100
LOWEST DAILY MEAN	38	Sep 5	.00
ANNUAL SEVEN-DAY MINIMUM	39	Sep 1	28
INSTANTANEOUS PEAK FLOW			29800
INSTANTANEOUS PEAK STAGE			14.11
INSTANTANEOUS LOW FLOW			*29
INSTANTANEOUS LOW STAGE			^a 4.81
ANNUAL RUNOFF (CFSM)	1.99		.71
ANNUAL RUNOFF (INCHES)	27.03		9.60
10 PERCENT EXCEEDS	363		88
50 PERCENT EXCEEDS	62		52
90 PERCENT EXCEEDS	46		34

* Occurred: Sep 18, 19, 20, 21, 22, 23, 24, 25.

a Also occurred Sep 24, 25, 1999.

b Also occurred Oct. 5, 6, 1986.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.76	5.41	5.47	5.73	6.98	5.53	6.49	5.23	5.55	5.31	5.28	4.91
2	5.68	5.43	5.47	5.85	6.36	5.50	6.05	5.21	5.38	5.23	5.18	4.93
3	5.63	5.45	5.47	7.20	6.08	5.51	5.87	5.20	5.24	5.21	5.12	4.94
4	5.61	5.43	5.49	6.44	5.92	5.53	5.78	5.21	5.17	5.18	5.08	4.95
5	5.59	5.41	5.49	5.98	5.82	5.49	5.70	5.22	5.14	5.16	5.05	4.96
6	5.59	5.40	5.49	5.83	5.73	5.48	5.65	5.23	5.13	5.13	5.02	5.02
7	6.26	5.39	5.49	5.80	5.68	5.45	5.66	5.22	5.15	5.11	5.01	4.96
8	8.82	5.39	5.55	5.87	5.66	5.43	5.63	5.19	5.14	5.09	4.99	4.97
9	7.50	5.40	5.65	5.87	5.64	6.28	5.58	5.17	5.12	5.32	4.99	5.03
10	6.25	5.42	5.58	5.82	5.59	9.08	5.54	5.21	5.17	5.25	4.99	5.03
11	5.92	5.66	5.57	5.73	5.58	7.47	5.50	5.33	5.15	5.13	5.01	4.96
12	5.76	5.77	5.63	5.69	5.58	7.00	5.46	5.44	5.13	5.07	5.02	4.92
13	5.67	5.50	5.72	5.66	5.53	8.79	5.42	5.49	5.17	5.14	4.99	4.91
14	5.62	5.53	5.69	5.64	5.50	10.53	5.40	5.40	5.41	5.15	4.97	4.90
15	5.58	6.01	5.59	5.62	5.48	13.05	5.40	5.27	5.24	5.09	4.95	4.89
16	5.62	6.03	5.55	5.60	5.48	9.63	5.43	5.23	5.22	5.09	4.93	4.86
17	5.61	5.74	5.51	5.59	5.50	7.26	5.40	5.22	5.23	5.12	4.98	4.84
18	5.56	5.63	5.51	5.58	5.60	6.72	5.37	5.19	5.21	5.07	4.95	4.83
19	5.54	5.57	5.51	5.57	5.66	6.40	5.36	5.17	5.12	5.06	4.93	4.83
20	5.53	5.55	5.57	5.56	5.56	6.17	5.34	5.17	5.08	5.05	4.92	4.83
21	5.50	5.53	5.62	5.55	5.51	6.02	5.33	5.15	5.06	5.07	4.93	4.83
22	5.47	5.54	5.56	5.57	5.48	5.89	5.33	5.13	5.07	5.03	4.99	4.82
23	5.44	5.54	5.53	5.69	5.46	5.80	5.31	5.12	5.09	5.00	5.05	4.81
24	5.43	5.53	5.55	5.97	5.47	5.75	5.30	5.16	5.47	5.12	4.96	4.81
25	5.43	5.53	5.80	5.74	5.45	5.71	5.29	5.29	5.32	5.73	4.99	4.82
26	5.43	5.53	5.90	5.63	5.44	5.80	5.28	5.20	5.99	5.98	4.97	4.83
27	5.42	5.50	5.76	5.59	5.44	5.84	5.27	5.14	7.17	5.37	4.93	4.84
28	5.42	5.49	5.82	5.58	5.48	5.71	5.30	5.13	7.15	6.32	4.93	4.85
29	5.41	5.50	6.86	5.84	---	5.67	5.27	5.13	5.75	6.94	4.91	4.90
30	5.41	5.49	6.19	7.78	---	5.79	5.24	5.29	5.41	6.36	4.91	5.00
31	5.41	---	5.84	7.92	---	6.60	---	5.57	---	5.50	4.90	---
MAX	8.82	6.03	6.86	7.92	6.98	13.05	6.49	5.57	7.17	6.94	5.28	5.03
MIN	5.41	5.39	5.47	5.55	5.44	5.43	5.24	5.12	5.06	5.00	4.90	4.81

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA

LOCATION.--Lat 30°29'40", long 90°10'10", in SW 1/4 sec.26, T.6 S., R.10 E., St. Helena Meridian, St. Tammany Parish, Hydrologic Unit 08090201, at bridge on U.S. Highway 190, 2.4 mi west of intersection with W. 21st Avenue, and 4.0 mi west of Covington.

DRAINAGE AREA.--145 mi².

WATER-STAGE RECORDS.

PERIOD OF RECORD.--November 1950 to September 1965 (annual maximum and discharge measurements). October 1963 to December 1967 (low-flow station). October 1977 to September 1982 (discharge measurements only). January 1998 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Below recordable stage: Oct. 4-6, 14-31, Nov. 1-13, 19-30, Dec. 1-27, Jan. 14-22, 26-29, Feb. 9-29, and Mar. 1-8. Satellite telemetry and rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 29.86 ft, sea level, May 3, 1953; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 20.68 ft, Mar. 14; minimum, not determined.

ELEVATION, IN FEET NAVD 1988, WATER YEAR JANUARY 1998 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					12.69	15.21	11.09	12.97	---	---	---	---
2					12.64	12.82	11.17	11.61	---	---	---	---
3					12.52	12.09	11.11	11.07	---	---	---	---
4					12.24	11.74	11.05	10.81	---	---	---	---
5					11.91	11.54	11.06	10.65	---	---	---	---
6					11.60	11.49	10.89	10.55	---	---	---	---
7					11.44	17.54	10.81	10.48	---	---	---	---
8					11.33	25.07	10.77	10.44	---	---	---	---
9				22.77	11.25	24.43	10.73	10.41	---	---	---	---
10				18.41	11.23	20.86	10.68	10.37	---	---	---	---
11				14.09	13.99	15.70	10.63	10.32	---	---	---	---
12				17.18	15.45	13.33	10.58	10.29	---	---	---	20.15
13				23.71	15.23	12.65	10.54	---	---	---	---	22.15
14				23.60	12.81	12.26	10.52	---	---	10.44	---	20.28
15				21.88	12.27	12.00	10.51	---	---	---	10.57	14.76
16				20.22	15.04	11.82	10.51	---	---	10.27	10.47	11.81
17				18.15	17.37	15.63	10.49	---	---	10.31	10.72	11.10
18				15.29	17.74	20.96	10.48	---	---	---	10.57	10.81
19				13.62	17.23	21.38	10.65	---	---	---	10.64	10.96
20				12.95	13.80	16.71	10.65	---	---	---	10.38	14.14
21				12.56	12.58	13.62	10.53	---	---	---	---	14.73
22				15.87	13.65	12.81	10.46	---	---	---	---	13.08
23				19.15	15.31	12.31	10.40	---	---	10.29	---	11.76
24				19.95	15.33	11.99	10.36	---	---	10.64	---	11.61
25				17.29	13.37	11.76	10.33	---	---	10.60	---	11.29
26				14.82	12.65	11.58	10.32	---	---	13.77	---	10.97
27				18.15	14.42	11.42	10.30	---	---	11.20	---	10.71
28				19.24	15.59	11.30	13.77	---	---	10.69	---	10.79
29				18.18	---	11.21	15.60	---	---	10.35	---	11.09
30				14.48	---	11.15	14.58	---	---	---	---	10.76
31				13.25	---	11.08	---	---	---	---	---	---
MAX				---	17.74	25.07	15.60	---	---	---	---	---
MIN				---	11.23	11.08	10.30	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.53			10.39	13.00		11.78	9.61	10.30	9.83	9.86	9.24
2	10.35			11.13	11.66		11.11	9.59	9.95	9.72	9.66	9.24
3	10.27			12.44	11.10		10.65	9.58	9.74	9.75	9.60	9.26
4				12.00	10.78		10.42	9.58	9.62	10.02	9.50	9.26
5				10.98	10.57		10.33	9.60	9.56	9.70	9.46	9.27
6				10.57	10.41		10.22	9.59	9.52	9.59	9.43	9.28
7	10.76			10.46	10.31		10.14	9.58	9.54	9.53	9.42	9.34
8	11.92			10.53	10.26		10.12	9.56	9.56	9.50	9.41	9.28
9	13.06			11.12		10.96	10.08	9.54	9.59	9.50	9.43	9.33
10	11.43			10.97		11.89	10.02	9.55	9.63	9.66	9.44	9.32
11	10.72			10.54		13.14	9.98	9.73	9.54	9.63	9.40	9.31
12	10.43			10.33		11.28	9.93	9.73	9.51	9.53	9.40	9.28
13	10.28			10.26		13.94	10.09	9.77	9.55	9.47	9.40	9.24
14		10.48				19.81	9.89	9.80	9.57	9.51	9.37	9.22
15		12.18				16.98	9.85	9.71	9.83	9.51	9.35	9.21
16		11.66				17.41	9.81	9.61	9.68	9.52	9.32	9.18
17		10.99				13.24	9.83	9.57	9.76	9.63	9.30	9.16
18		10.42				11.78	9.79	9.56	9.61	9.82	9.33	9.15
19						11.27	9.77	9.53	9.56	9.68	9.29	9.14
20						10.94	9.77	9.52	9.50	9.64	9.28	9.13
21						10.70	9.75	9.51	9.45	9.52	9.27	9.13
22						10.57	9.74	9.49	9.46	9.46	9.30	9.11
23				10.57		10.42	9.72	9.48	10.08	9.43	9.32	9.10
24				10.40		10.42	9.71	9.48	9.62	9.48	9.36	9.10
25				10.41		10.28	9.69	9.49	10.00	9.80	9.30	9.10
26						10.21	9.68	9.60	11.71	10.27	9.32	9.11
27						10.26	9.67	9.57	12.31	10.17	9.30	9.12
28			11.43			10.24	9.66	10.66	11.93	9.85	9.27	9.13
29			12.40			10.16	9.66	9.59	11.02	10.52	9.25	9.16
30			11.57	14.70		10.90	9.64	10.81	10.14	11.27	9.24	9.19
31			10.75	14.77		12.20	---	11.37	---	10.41	9.25	---
MAX							11.78	11.37	12.31	11.27	9.86	9.34
MIN							9.64	9.48	9.45	9.43	9.24	9.10

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTE RIVER NEAR COVINGTON, LA--Continued

PERIOD OF RECORD.--Water years 1959, 1966-68, 1974, 1978-93, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 TO September 1982.

WATER TEMPERATURE: April 1978 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 66 micromhos Feb. 24, 1979; minimum daily, 20 micromhos, Apr. 14, May 17, 18, 22, 1980

WATER TEMPERATURE: Maximum daily, 34.0 °C July 25, 1980; minimum daily, 4.0 °C Jan. 11, 12, 1982.

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
MAY 1998										
28...	1415	53	6.23	26.6	5.9	11	2.8	--	.90	--
SEP										
12...	1730	19	5.77	--	--	4	1.0	220	.45	90
NOV										
19...	0915	40	6.32	17.4	10.2	9	1.9	320	1.0	43
DEC										
07...	1430	--	6.41	21.4	8.2	7	1.5	260	.85	26
JAN 1999										
19...	0930	41	6.45	13.7	9.6	8	1.7	260	.88	31
FEB										
16...	1345	--	6.92	15.5	--	8	1.7	380	.89	37
MAR										
16...	1430	39	5.62	12.8	8.9	7	1.4	390	.88	150
APR										
05...	0945	42	6.69	20.7	6.6	9	1.9	410	1.1	54
MAY										
20...	1115	42	7.93	24.3	7.9	8	1.8	110	.91	53
JUN										
03...	0900	38	6.50	25.0	--	8	1.6	180	.85	70
10...	0930	40	6.73	25.5	7.7	7	1.6	190	.84	57
18...	1200	38	6.74	25.7	7.7	7	1.6	180	.81	52
JUL										
13...	0930	48	6.59	25.3	7.8	9	1.9	150	1.0	56
27...	0930	36	6.46	26.1	7.7	7	1.4	190	.76	43
AUG										
12...	0900	38	6.97	26.9	6.8	8	1.7	160	.91	57
SEP										
07...	1030	36	6.84	25.9	7.5	7	1.5	75	.81	46

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

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTE RIVER NEAR COVINGTON, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
MAY 1998									
28...	--	--	28	--	--	3.5	--	--	--
SEP									
12...	1.3	--	--	1.3	<.1	1.5	.04	.4	.06
NOV									
19...	1.9	3.6	--	4.5	<.1	1.5	.02	.3	.22
DEC									
07...	1.2	3.7	9.9	4.8	<.1	.5	<.02	.2	.14
JAN 1999									
19...	1.0	3.7	9	4.5	<.1	.7	.03	.1	.23
FEB									
16...	1.2	4.4	11	4.6	<.1	.8	<.02	.1	.17
MAR									
16...	3.3	--	--	3.6	<.1	2.4	.03	.5	.33
APR									
05...	1.5	4.1	8.4	--	<.1	--	.04	.3	.26
MAY									
20...	1.8	4.0	10	5.1	<.1	1	<.02	.2	.28
JUN									
03...	1.6	3.5	8.5	3.8	<.1	1.1	.04	.3	.27
10...	1.2	4.6	11	4.2	<.1	.8	<.02	.2	.19
18...	1.7	4.2	13	3.6	<.1	.8	<.02	.2	.24
JUL									
13...	2.0	3.9	10	5.0	<.1	1.9	.03	.2	.54
27...	1.9	3.0	7	4.1	<.1	--	<.02	.2	.43
AUG									
12...	1.3	4.1	9.6	4.3	<.1	.5	<.02	.1	.20
SEP									
07...	1.3	3.9	--	4.1	<.1	.5	<.02	E.08	.14
DATE	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)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP 1998									
12...	.06	.03	.02	3.0	--	--	--	--	--
NOV									
19...	.08	.03	.03	11	--	135	--	.4	<.1
DEC									
07...	.08	E.04	.04	12	38	215	215	E.2	<.1
JAN 1999									
19...	.05	.03	.03	12	39	--	--	.6	<.1
FEB									
16...	.08	.04	.04	12	38	140	100	.5	<.1
MAR									
16...	.18	.07	.05	4.6	--	--	--	.7	<.1
APR									
05...	.09	.06	.05	11	42	200	K470	.4	<.1
MAY									
20...	.07	.04	--	11	41	--	--	.8	<.1
JUN									
03...	.08	.04	.04	9.6	--	--	--	1.1	.1
10...	.08	.04	.04	11	--	--	--	1.3	.1
18...	.09	.05	.03	11	43	70	250	.9	.1
JUL									
13...	.10	.06	.04	11	42	120	225	.5	<.1
27...	.12	.07	.05	9.1	33	K500	280	.7	E.1
AUG									
12...	.09	.05	.04	12	39	K240	310	1.1	.1
SEP									
07...	.08	.04	.10	12	38	370	340	E.2	<.1

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

E Estimated.

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

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTE RIVER NEAR COVINGTON, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	2,4,5-T DIS- SOLVED (UG/L) (39742)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO- FURAN WAT.FLT GF 0.7U REC (UG/L) (49308)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI- CARB SULFONE WAT.FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT.FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)
NOV 19...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
DEC 07...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
JAN 1999 19...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
FEB 16...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
MAR 16...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<8.6
APR 05...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.12

DATE	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DACTHAL MONO- ACID, WAT.FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
NOV 19...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
DEC 07...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
JAN 1999 19...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
FEB 16...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
MAR 16...	<.035	<.12	<.42	<.49	<.017	<.035	<1.2	<.032	<.035
APR 05...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035

DATE	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT.FLT GF 0.7U REC (UG/L) (49299)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)
NOV 19...	<.02	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
DEC 07...	<.02	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
JAN 1999 19...	<.02	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
FEB 16...	<.02	<.42	<.013	<.035	<.030	<.17	<.14	<.026	<.017
MAR 16...	<.02	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
APR 05...	<.02	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017

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

MISSISSIPPI RIVER DELTA
07375050 TCHEFUNCTE RIVER NEAR COVINGTON, LA--Continued
WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

		NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)		SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
DATE											
NOV 19...		<.015	<.024	<.31	<.018	<.05	<.035	<.035		<.021	<.25
DEC 07...		<.015	<.024	<.31	<.018	<.05	<.035	<.035		<.021	<.25
JAN 1999											
19...		<.015	<.024	<.31	<.12	<.05	<.035	<.035		<.021	<.25
FEB 16...		<.04	<.024	<.31	<.018	<.05	<.035	<.035		<.021	<.25
MAR 16...		<.015	<.024	<.31	<.018	<.05	<.035	<.035		<.021	<.25
APR 05...		<.015	<.024	<.31	<.018	<.05	<1.9	<.035		<.021	<.25
DATE	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
MAY 1998											
28...	2.4	--	--	--	--	--	--	--	--	--	--
SEP 12...	--	--	<.003	<.002	<.002	<.002	.047	<.002	<.002	--	E.203
NOV 19...	5.7	.4	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008	E.006
DEC 07...	2.0	.3	<.003	<.002	<.002	<.002	E.003	<.002	<.002	<.008	<.003
JAN 1999											
19...	2.2	.3	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008	<.003
FEB 16...	2.4	.3	<.003	<.002	<.002	<.002	.005	<.002	<.002	<.008	<.003
MAR 16...	12	2.4	<.003	<.002	<.002	<.002	.344	<.002	<.002	<.008	<.003
APR 05...	4.7	.4	<.003	<.002	<.002	<.002	.488	<.002	<.002	<.008	<.003
MAY 20...	2.1	.7	<.003	<.002	<.002	<.002	.058	<.002	<.002	--	<.003
JUN 03...	--	--	<.003	<.002	<.002	<.002	.011	<.002	<.002	--	<.003
10...	2.3	.6	<.003	<.002	<.002	<.002	.009	<.002	<.002	--	<.003
18...	3.2	.8	<.003	<.002	<.002	<.002	.020	<.002	<.002	--	<.003
JUL 13...	2.9	.4	<.003	<.002	<.002	<.002	.006	<.002	<.002	--	E.082
27...	3.5	.7	<.003	<.002	<.002	<.002	.006	<.002	<.002	--	E.044
AUG 12...	1.8	.4	<.003	<.002	<.002	<.002	E.004	<.002	<.002	--	<.003
SEP 07...	1.9	.4	<.003	<.002	<.002	<.002	.005	<.002	<.002	--	<.003

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

E Estimated.

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTE RIVER NEAR COVINGTON, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
SEP 1998										
12...	<.003	--	<.004	<.004	<.002	E.004	.025	<.001	<.017	<.002
NOV										
19...	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
DEC										
07...	<.003	<.48	<.004	<.004	<.002	E.002	<.002	<.001	<.017	<.002
JAN 1999										
19...	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
FEB										
16...	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
MAR										
16...	<.003	<.48	<.004	<.004	<.002	E.006	<.002	<.001	<.017	<.002
APR										
05...	<.003	<.48	<.004	<.004	<.002	E.009	<.002	<.001	<.017	<.002
MAY										
20...	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
JUN										
03...	<.003	--	<.004	<.004	<.002	E.002	<.002	<.001	<.017	<.002
10...	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
18...	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
JUL										
13...	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
27...	<.003	--	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.002
AUG										
12...	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
SEP										
07...	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002

DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
SEP 1998										
12...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.003	<.004
NOV										
19...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.002	<.004
DEC										
07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
JAN 1999										
19...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.005	<.004
FEB										
16...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
MAR										
16...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.198	<.004
APR										
05...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.372	<.004
MAY										
20...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.046	<.004
JUN										
03...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.013	<.004
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.008	<.004
18...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.042	<.004
JUL										
13...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.006	<.004
27...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.011	<.004
AUG										
12...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.005	<.004
SEP										
07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.006	<.004

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

E Estimated.

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTE RIVER NEAR COVINGTON, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PP' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
SEP 1998										
12...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
NOV										
19...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
DEC										
07...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JAN 1999										
19...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
FEB										
16...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAR										
16...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
APR										
05...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAY										
20...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUN										
03...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
10...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
18...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUL										
13...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
27...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
AUG										
12...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
SEP										
07...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
SEP 1998										
12...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
NOV										
19...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
DEC										
07...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
JAN 1999										
19...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
FEB										
16...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
MAR										
16...	<.007	<.004	<.013	1.57	<.010	<.007	<.013	<.002	<.001	<.002
APR										
05...	<.007	<.004	<.013	.024	<.010	<.007	<.013	<.002	<.001	<.002
MAY										
20...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
JUN										
03...	<.007	<.004	<.013	E.004	<.010	<.007	<.013	<.002	<.001	<.002
10...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
18...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
JUL										
13...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
27...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
AUG										
12...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
SEP										
07...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002

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

MISSISSIPPI RIVER DELTA

07375105 BOGUE FALAYA NEAR CAMP COVINGTON, LA

LOCATION.--Lat 30°33'23", 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 1998 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Satellite telemetry and rain gage at station.

EXTREMES FOR THE PERIOD OF RECORD.--Maximum elevation, 53.95 ft, Mar. 8, 1998; minimum, 34.10 ft, Sept. 30, 1999.

EXTREMES FOR THE CURRENT YEAR.--Maximum elevation, 43.90 ft, Mar. 14, minimum, 34.10 ft, Sept. 25-30.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.85	34.38	34.47	34.72	35.88	34.52	34.90	34.26	34.56	34.27	34.25	34.13
2	34.70	34.40	34.46	35.08	35.39	34.48	34.71	34.26	34.54	34.25	34.21	34.12
3	34.63	34.42	34.46	35.80	35.14	34.50	34.63	34.26	34.34	34.24	34.19	34.12
4	34.59	34.42	34.46	35.19	34.99	34.52	34.59	34.26	34.27	34.24	34.16	34.12
5	34.55	34.40	34.46	34.92	34.86	34.48	34.56	34.29	34.23	34.23	34.15	34.12
6	34.55	34.39	34.46	34.80	34.78	34.47	34.54	34.29	34.22	34.23	34.14	34.29
7	35.18	34.38	34.45	34.77	34.73	34.46	34.54	34.26	34.22	34.22	34.14	34.63
8	35.41	34.38	34.44	34.82	34.69	34.45	34.53	34.24	34.23	34.21	34.13	34.34
9	34.99	34.38	34.49	34.85	34.66	34.89	34.50	34.23	34.23	34.37	34.15	34.32
10	34.74	34.40	34.48	34.84	34.63	35.31	34.48	34.25	34.22	34.29	34.15	34.22
11	34.62	34.53	34.47	34.75	34.60	34.86	34.45	34.40	34.24	34.25	34.15	34.16
12	34.56	34.50	34.59	34.70	34.56	34.85	34.42	34.51	34.23	34.21	34.13	34.15
13	34.53	34.45	34.99	34.66	34.55	38.88	34.40	34.45	34.24	34.21	34.13	34.14
14	34.51	34.73	34.76	34.64	34.53	41.10	34.39	34.37	34.26	34.21	34.13	34.13
15	34.51	36.24	34.60	34.62	34.52	37.08	34.39	34.30	34.26	34.19	34.12	34.13
16	34.53	35.67	34.53	34.60	34.51	35.88	34.37	34.27	34.26	34.18	34.12	34.12
17	34.54	35.06	34.49	34.59	34.52	35.43	34.36	34.25	34.41	34.27	34.13	34.12
18	34.50	34.79	34.47	34.58	34.55	35.19	34.35	34.24	34.40	34.26	34.16	34.12
19	34.48	34.68	34.47	34.57	34.54	35.04	34.35	34.24	34.30	34.21	34.14	34.12
20	34.47	34.63	34.53	34.56	34.51	34.94	34.35	34.24	34.25	34.20	34.13	34.12
21	34.45	34.60	34.53	34.55	34.49	34.84	34.34	34.23	34.23	34.19	34.20	34.12
22	34.43	34.59	34.51	34.55	34.48	34.77	34.33	34.24	34.26	34.17	34.18	34.11
23	34.42	34.57	34.50	34.78	34.47	34.71	34.33	34.22	34.32	34.17	34.15	34.11
24	34.41	34.55	34.56	34.79	34.47	34.67	34.33	34.24	34.31	34.18	34.15	34.11
25	34.39	34.53	34.69	34.67	34.46	34.65	34.32	34.24	34.33	34.98	34.16	34.11
26	34.39	34.52	34.68	34.60	34.47	34.67	34.31	34.22	34.57	34.54	34.14	34.10
27	34.40	34.51	34.61	34.57	34.46	34.63	34.31	34.24	34.91	34.32	34.13	34.10
28	34.39	34.50	35.49	34.55	34.49	34.59	34.30	34.22	34.62	34.45	34.12	34.10
29	34.38	34.50	35.61	34.78	---	34.57	34.28	34.22	34.39	35.07	34.12	34.10
30	34.38	34.48	35.06	39.76	---	34.75	34.27	34.34	34.30	34.55	34.12	34.12
31	34.37	---	34.81	37.05	---	35.15	---	34.69	---	34.32	34.12	---
MAX	35.41	36.24	35.61	39.76	35.88	41.10	34.90	34.69	34.91	35.07	34.25	34.63
MIN	34.37	34.38	34.44	34.55	34.46	34.45	34.27	34.22	34.22	34.17	34.12	34.10

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 current year (elevations only).

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, -0.51 ft, Apr. 18, 1999.

EXTREMES FOR THE CURRENT YEAR.--Maximum elevation, 6.94 ft, Mar. 14; minimum, -0.51 ft, Apr. 18.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.44	1.24	.57	.71	1.43	.38	1.44	1.38	1.17	.51	.38	1.81
2	1.34	1.47	.56	1.22	1.15	.54	1.21	1.24	1.30	.65	.56	2.17
3	1.39	.94	.66	1.12	1.12	.28	1.22	1.09	1.22	.90	.58	1.61
4	1.29	1.16	.92	.62	.97	.46	1.31	1.43	.94	1.52	.79	1.28
5	1.46	1.07	.90	.32	1.15	.97	1.35	2.39	.80	1.63	.92	.97
6	1.70	.57	.94	.39	1.03	.84	1.20	1.78	.98	1.40	.86	.75
7	1.72	.73	.98	.53	.82	.81	.92	1.40	1.33	1.01	.95	1.08
8	1.50	.87	.86	.69	.50	1.68	.91	1.38	1.31	.98	.96	.77
9	1.51	.87	.71	.81	.58	1.92	.66	1.43	1.26	1.21	.72	.85
10	1.41	1.27	.92	.66	.73	1.34	.59	1.43	.99	1.24	.64	.86
11	1.20	1.12	1.32	.43	.91	1.23	.63	1.38	.80	1.07	.42	1.08
12	1.04	1.37	1.57	.40	.52	1.59	.58	1.45	.82	.80	.18	1.33
13	.92	1.27	.75	.59	.08	3.21	.85	1.00	.91	.62	-.13	1.56
14	1.06	1.27	.33	.72	.22	6.24	1.29	.90	.91	.61	-.06	1.28
15	1.33	1.68	.18	.78	.56	2.51	1.05	1.10	.91	.69	.51	1.06
16	1.87	1.74	.15	.82	.84	1.31	.29	1.27	.86	.94	.94	.79
17	2.22	1.11	-.06	.89	1.05	1.10	-.04	1.28	.84	1.13	.78	.78
18	2.17	1.00	.14	.81	1.05	1.04	-.31	1.13	1.14	1.23	.35	.92
19	1.90	.97	.63	.74	.53	.93	-.23	1.01	1.27	1.16	.42	1.41
20	1.51	.85	.80	.74	.57	.77	-.20	1.05	1.69	1.17	.52	2.06
21	1.46	.96	.92	.82	.40	.45	-.09	.95	1.71	.87	.62	1.98
22	1.36	1.47	.59	1.56	.27	.63	.60	.89	1.45	.45	.66	1.49
23	1.90	1.54	.71	1.32	.48	.74	.98	.71	1.18	.25	.73	1.29
24	1.95	1.01	.61	.62	.34	.74	.91	.43	.98	.59	.81	1.29
25	1.66	.87	.58	.31	.43	.61	.67	.56	.83	.69	.84	1.31
26	1.48	.52	.53	.29	.50	.48	.84	.39	1.11	.51	.56	1.45
27	1.43	.41	.71	.44	.69	.77	1.11	.26	1.01	.52	.46	1.69
28	1.39	.36	1.16	.66	.49	.99	.70	.64	.77	.56	.70	1.74
29	1.52	.47	1.29	1.05	---	1.18	.76	.73	.45	.65	.78	1.50
30	1.43	.67	.68	2.90	---	1.27	.91	.93	.31	.36	.87	1.37
31	1.27	---	.56	2.11	---	1.71	---	1.08	---	.36	1.07	---
MAX	2.22	1.74	1.57	2.90	1.43	6.24	1.44	2.39	1.71	1.63	1.07	2.17
MIN	.92	.36	-.06	.29	.08	.28	-.31	.26	.31	.25	-.13	.75

MISSISSIPPI RIVER DELTA

07375300 TANGIPAHOA RIVER NEAR KENTWOOD, LA

LOCATION.--Lat 30°56'23", long 90°29'42", between secs. 43 and 45, T. 1 S., R. 7 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, on downstream side of bridge on State Highway 38, 0.9 mi upstream from Terry's Creek, 1.1 mi east of Kentwood, and 1.7 mi downstream from Irving Branch.

DRAINAGE AREA.--241 mi².

PERIOD OF RECORD.--December 1997 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 180.30 ft sea level.

REMARKS.--Satellite telemetry at station.

EXTREME FOR PERIOD OF RECORD.--Maximum gage height, 15.33 ft, Jan. 30, 1999; minimum, 2.41 ft, Sept. 24, 25, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height for period December 1997 to September 1998, 14.83 ft., Jan. 7; minimum, 2.62 ft, Aug. 29-31. Water Year 1999: Maximum gage height, 15.33 ft, Jan. 30; minimum, 2.41 ft, Sept. 24, 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				3.49	3.72	6.17	3.39	4.61	3.08	2.66	2.76	3.12
2				3.28	3.67	4.00	3.80	3.66	2.84	---	2.76	2.88
4				3.21	3.54	3.74	3.69	3.46	2.82	---	2.77	2.74
5				4.04	3.41	3.60	3.50	3.33	2.80	---	2.74	2.70
6				6.24	3.33	3.54	3.33	3.24	2.97	---	2.73	2.68
7				12.92	3.27	4.39	3.24	3.22	3.04	.00	2.81	2.68
8				13.28	3.24	9.46	3.21	3.17	2.89	2.79	2.88	2.67
9				10.78	3.21	9.55	3.18	3.14	2.84	2.74	2.78	2.66
10				6.22	3.23	6.62	3.12	3.10	2.81	2.72	2.73	2.66
11				4.59	5.73	4.62	3.08	3.06	2.80	3.55	2.71	2.81
12				6.83	5.13	4.09	3.05	3.04	2.78	3.98	3.02	4.23
13				9.70	4.34	3.81	3.04	3.02	2.77	3.25	3.17	5.91
14				7.87	3.82	3.66	3.06	3.00	2.77	3.02	3.10	4.60
15				5.62	3.61	3.56	3.06	2.99	2.76	2.97	3.20	3.59
16				4.96	5.40	3.51	3.06	2.99	2.74	4.02	3.06	3.18
17				4.41	8.34	7.39	3.08	2.99	2.73	4.43	3.03	2.99
18				4.07	7.95	8.74	4.48	2.97	2.73	3.53	2.85	2.94
19			2.80	3.83	5.58	6.41	4.92	2.95	2.73	3.07	2.76	2.92
20			2.79	3.64	4.43	4.73	4.36	2.94	2.72	2.91	2.75	2.89
21			4.02	3.52	4.00	4.15	3.83	2.93	2.71	2.93	2.75	2.86
22			6.27	6.93	5.07	3.83	3.47	2.92	2.70	2.86	2.76	2.93
23			5.80	10.55	7.05	3.64	3.29	2.91	2.69	2.87	2.73	2.96
24			9.58	9.20	5.76	3.52	3.19	2.91	2.71	2.85	2.72	2.92
25			10.36	5.61	4.55	3.44	3.13	2.91	2.70	2.99	2.70	2.84
26			7.59	4.63	4.62	3.37	3.09	2.90	2.69	3.23	2.69	2.79
27			6.49	6.16	8.93	3.33	3.08	2.89	2.70	3.69	2.67	2.76
28			5.64	5.84	9.08	3.29	4.58	2.88	2.71	3.02	2.66	2.80
29			4.64	4.91	---	3.26	7.31	3.50	2.71	2.89	2.65	2.90
30			4.06	4.29	---	3.24	5.84	3.60	2.69	2.82	2.64	2.78
31			3.71	3.94	---	3.21	---	3.19	---	2.78	2.69	---
MAX			---	13.28	9.08	9.55	7.31	4.61	3.08	---	3.20	5.91
MIN			---	3.21	3.21	3.21	3.04	2.88	2.69	---	2.64	2.66

MISSISSIPPI RIVER DELTA

07375300 TANGIPAHOA RIVER NEAR KENTWOOD, LA

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.69	---	2.71	3.00	9.26	4.17	3.37	2.70	2.89	2.64	2.72	2.53
2	2.69	---	2.72	3.20	5.30	3.77	3.26	2.68	2.73	2.60	2.63	2.51
3	2.69	---	2.71	4.29	4.28	3.45	3.19	2.67	2.66	2.58	2.58	2.51
4	2.69	2.69	2.72	4.13	3.89	3.27	3.12	2.67	---	2.74	2.56	2.54
5	2.70	2.65	2.72	3.53	3.78	3.13	3.07	2.69	---	3.34	2.53	2.70
6	2.73	2.63	2.72	3.19	3.86	3.09	3.03	2.70	---	2.97	2.51	2.71
7	---	2.62	2.72	3.14	3.54	3.08	3.01	2.67	---	2.71	2.50	2.81
8	---	2.62	2.72	3.24	3.37	3.02	2.98	2.66	2.57	2.66	2.51	2.72
9	---	2.64	2.78	3.13	3.25	3.54	2.95	2.65	2.57	2.70	2.59	2.70
10	---	2.87	2.75	3.07	3.20	3.91	2.93	2.65	2.59	2.73	2.72	2.66
11	---	3.16	2.87	2.96	3.15	3.66	2.90	2.80	2.90	3.15	2.73	2.56
12	---	2.86	2.92	2.91	3.08	4.38	2.86	2.86	2.81	2.87	2.61	2.52
13	---	2.73	2.85	2.89	3.04	9.08	2.83	2.81	2.80	4.15	2.56	2.50
14	---	2.89	2.81	2.87	2.98	13.11	2.80	2.74	2.76	3.24	2.53	2.49
15	---	3.79	2.77	2.85	2.95	11.50	2.84	2.69	3.11	2.90	2.52	2.51
16	---	3.51	2.74	2.83	2.96	8.12	2.81	2.67	3.94	2.77	2.50	2.47
17	---	3.23	2.72	2.81	3.69	4.82	2.78	2.65	2.84	2.68	2.47	2.44
18	---	2.98	2.71	2.81	4.85	4.17	2.75	2.64	2.70	2.69	2.53	2.43
19	---	2.87	2.75	2.80	3.89	3.81	2.75	2.64	2.62	2.78	2.49	2.42
20	---	2.81	2.88	2.78	3.54	3.58	2.75	2.63	2.59	2.79	2.48	2.43
21	---	2.77	2.83	2.79	3.33	3.42	2.75	2.61	2.57	2.67	2.48	2.44
22	---	2.75	2.78	2.85	3.20	3.31	2.75	2.60	2.57	2.63	2.49	2.44
23	---	2.74	2.78	4.72	3.09	3.22	2.75	2.61	2.79	2.60	2.49	2.44
24	---	2.75	2.78	3.89	3.04	3.16	2.76	2.63	2.85	2.60	2.57	2.41
25	---	2.74	2.95	3.36	3.00	3.16	---	2.63	2.78	2.74	2.65	2.42
26	---	2.73	2.93	3.14	2.98	3.21	---	2.59	2.97	2.89	3.00	2.43
27	---	2.72	2.91	3.02	2.99	3.15	---	2.59	3.33	3.26	2.72	2.44
28	---	2.72	3.31	2.95	3.98	3.09	---	2.60	2.93	3.51	2.56	2.44
29	---	2.71	3.76	3.11	---	3.05	2.71	2.59	2.76	3.21	2.53	2.54
30	---	2.71	3.43	12.74	---	3.13	2.71	2.63	2.69	2.89	2.53	3.02
31	---	---	3.16	12.65	---	3.46	---	2.98	---	2.78	2.53	---
MAX	---	---	3.76	12.74	9.26	13.11	---	2.98	---	4.15	3.00	3.02
MIN	---	---	2.71	2.78	2.95	3.02	---	2.59	---	2.58	2.47	2.41

MISSISSIPPI RIVER DELTA

07375422 BIG CREEK EAST OF TANGIPAHOA, LA

LOCATION.--Lat 30°49'54", long 90°26'42", sec. 52, T. 2 S., R. 8 E., Loranger Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, on downstream side of bridge at State Highway 1054, 4.9 mi southeast of Tangipahoa.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 1998 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 150.00 ft (NAVD 1988).

REMARKS.--Below recordable stage: Aug. 19, Aug. 22-Sept. 10, 1998; July 22-24, July 30-Sept. 7, 10-30, 1999. Satellite telemetry at station.

EXTREME FOR PERIOD OF RECORD.--Maximum gage height, 17.77 ft, Mar. 13, 1999; minimum recorded, 7.66 ft, Aug. 18-20, Sept. 22-28, 1999.

EXTREMES FOR CURRENT YEAR.--Water Year 1999: Maximum gage height, 17.77 ft, Mar. 13; minimum recorded, 7.66 ft, Aug. 18-20, 22-28.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR MARCH 1998 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							8.18	8.53	7.88	7.83	7.77	
2							9.16	8.27	7.87	7.86	7.78	
3							9.34	8.15	7.86	7.80	7.78	
4							8.40	8.08	7.86	7.79	7.76	
5							8.25	8.04	7.86	7.78	7.75	
6							8.19	8.01	7.95	8.06	7.76	
7							8.16	8.01	7.90	8.05	7.76	
8							8.16	7.99	7.88	7.85	7.76	
9							8.15	7.97	7.87	7.79	7.75	
10							8.12	7.96	7.86	7.77	7.75	
11							8.13	7.94	7.86	7.88	7.75	8.07
12							8.26	7.93	7.84	8.58	7.76	9.32
13							8.46	7.93	7.84	7.85	7.76	9.36
14							8.64	7.92	7.84	7.85	7.81	8.53
15							8.71	7.92	7.83	7.90	7.80	7.96
16							8.78	7.91	7.82	7.83	7.77	7.84
17							8.88	7.91	7.81	7.80	7.76	7.79
18							9.71	7.90	7.81	7.78	7.75	7.88
19							10.11	7.89	7.81	7.78		8.26
20							9.78	7.89	7.80	7.96	7.75	7.91
21								7.89	7.82	9.01	7.76	8.23
22								7.89	7.89	7.94		8.36
23								7.89	7.82	7.86		7.94
24								7.89	7.81	7.82		7.84
25								7.89	7.81	7.84		7.79
26								7.88	7.82	8.97		7.77
27								7.88	7.82	8.61		7.77
28								7.88	7.86	7.95		7.84
29								7.88	7.82	7.86		7.91
30								7.89	7.80	7.81		7.82
31						8.12	---	7.88	---	7.79		---
MAX	---	---	---	---	---		---	8.53	7.95	9.01		
MIN	---	---	---	---	---		---	7.88	7.80	7.77		

MISSISSIPPI RIVER DELTA

07375422 BIG CREEK EAST OF TANGIPAHOA, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.77	7.76	7.85	7.87	8.39	7.83	8.12	7.86	7.88	7.79		
2	7.76	7.78	7.85	8.46	8.14	7.80	8.06	7.86	7.83	7.79		
3	7.75	7.78	7.86	8.28	8.03	7.85	8.04	7.86	7.82	7.78		
4	7.75	7.77	7.86	7.96	7.96	7.81	8.01	7.86	7.80	7.78		
5	7.75	7.76	7.87	7.90	7.91	7.80	8.00	7.88	7.80	7.78		
6	8.42	7.76	7.87	7.88	7.89	7.79	7.99	7.86	7.83	7.77		
7	14.14	7.77	7.87	7.93	7.87	7.78	7.98	7.85	7.80	7.87		
8	9.79	7.77	7.87	7.95	7.85	7.77	7.97	7.83	7.79	8.58		7.84
9	8.43	7.77	7.86	7.91	7.84	10.92	7.96	7.83	7.79	8.03		7.84
10	8.12	7.97	7.87	7.87	7.84	8.77	7.94	7.87	7.79	7.80		
11	7.99	8.28	7.90	7.86	7.82	8.14	7.94	7.96	7.81	7.77		
12	7.92	7.81	7.88	7.86	7.81	9.27	7.92	7.92	7.83	7.82		
13	7.88	7.76	7.87	---	7.81	13.49	7.91	7.88	7.79	7.97		
14	7.85	7.79	7.85	---	7.80	14.08	7.91	7.86	7.96	7.80		
15	7.84	7.84	7.84	---	7.80	9.47	7.91	7.85	8.30	7.78		
16	7.84	7.81	7.84	---	7.80	8.82	7.89	7.85	7.90	7.76		
17	7.83	7.79	7.85	---	7.97	8.56	7.89	7.84	7.81	7.76		
18	7.82	7.79	7.84	---	8.16	8.40	7.89	7.83	7.78	7.76		
19	7.81	7.78	7.88	---	7.93	8.28	7.89	7.83	7.78	7.76		
20	7.81	7.79	7.89	---	7.85	8.20	7.90	7.82	7.76	7.83		
21	7.79	7.80	7.87	---	7.83	8.14	7.89	7.82	7.75	7.77		
22	7.78	7.81	7.86	8.01	7.80	8.10	7.89	7.82	---			
23	7.77	7.81	7.87	8.98	7.80	8.07	7.89	7.82	---			
24	7.77	7.81	7.94	8.10	7.79	8.05	7.89	7.91	---			
25	7.78	7.82	7.97	7.95	7.78	8.10	7.88	7.84	7.79	7.97		
26	7.77	7.83	7.91	7.90	7.78	8.13	7.88	7.82	8.67	7.78		
27	7.77	7.83	7.87	7.88	7.79	8.06	7.92	7.82	9.90	7.99		
28	7.77	7.83	8.16	7.86	7.90	8.03	7.89	7.82	8.00	8.38		
29	7.76	7.84	8.03	7.86	---	8.02	7.87	7.81	7.86	7.81		
30	7.76	7.84	7.91	11.00	---	8.15	7.87	7.89	7.82			
31	7.77	---	7.87	9.56	---	8.28	---	7.89	---	---	---	
MAX	14.14	8.28	8.16	---	8.39	14.08	8.12	7.96	---			
MIN	7.75	7.76	7.84	---	7.78	7.77	7.87	7.81	---			

MISSISSIPPI RIVER DELTA

07375430 TANGIPAHOA RIVER AT AMITE, LA

LOCATION.--Lat 30°43'44", long 90°29'03", lot 49, T. 4 S., R.7 E., Loranger Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, on downstream side of bridge at State Highway 38, approximately 0.75 mi west of Conner Creek, and 2.75 mi east of the intersection of I-55 and Hwy. 16.

DRAINAGE AREA.--296 mi².

PERIOD OF RECORD.--March 1998 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

EXTREME FOR PERIOD OF RECORD.--Maximum elevation, 17.10 ft, Jan. 31, 1999; minimum, 5.83 ft, Aug. 29, 30, 31, 1998.

EXTREMES FOR CURRENT YEAR.--Water Year 1999: Maximum elevation, 17.10 ft, Jan. 31; minimum, 5.88 ft, Oct. 4, 5.

ELEVATION, IN FEET NAVD 1988, WATER YEAR MARCH 1998 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							6.48	7.44	6.12	5.92	5.94	5.89
2							6.63	6.96	6.06	5.98	5.94	6.19
3							6.84	6.69	6.03	6.00	5.94	6.01
4							6.68	6.52	6.01	6.02	5.92	5.91
5							6.58	6.42	6.01	6.02	5.91	5.87
6							6.49	6.36	6.09	6.02	5.89	5.85
7							6.43	6.31	6.14	6.09	5.97	5.86
8							6.40	6.28	6.07	5.99	5.94	5.86
9							6.37	6.25	6.03	5.96	5.96	5.85
10							6.33	6.23	6.00	5.93	5.91	5.86
11							6.30	6.20	5.99	6.02	5.90	6.04
12							6.28	6.18	5.98	6.79	5.95	7.19
13							6.28	6.16	5.97	6.34	6.05	8.24
14							6.28	6.15	5.97	6.16	6.17	7.62
15							6.28	6.14	5.96	6.11	6.17	6.86
16							6.27	6.13	5.95	6.28	6.12	6.45
17							6.27	6.12	5.94	6.58	6.13	6.22
18							6.80	6.11	5.93	6.50	6.04	6.12
19							7.22	6.10	5.93	6.17	5.96	6.22
20							7.00	6.09	5.93	6.07	5.94	6.12
21							6.70	6.08	5.93	6.26	5.95	6.08
22							6.50	6.07	5.93	6.08	5.92	6.17
23							6.38	6.06	5.92	6.05	5.92	6.18
24							6.32	6.06	5.92	6.07	5.90	6.05
25							6.28	6.06	5.93	6.07	5.88	5.98
26							6.25	6.05	5.94	6.50	5.87	5.94
27							6.24	6.04	5.94	6.71	5.86	5.93
28							7.21	6.03	5.95	6.33	5.85	5.94
29							8.97	6.08	5.94	6.10	5.84	5.98
30							8.24	6.40	5.92	6.02	5.84	5.94
31						6.45	---	6.22	---	5.97	5.84	---
MAX	---	---	---	---	---	---	8.97	7.44	6.14	6.79	6.17	8.24
MIN	---	---	---	---	---	---	6.24	6.03	5.92	5.92	5.84	5.85

MISSISSIPPI RIVER DELTA
07375430 TANGIPAHOA RIVER AT AMITE, LA--continued
ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.91	6.11	6.11	6.29	11.58	7.18	7.06	6.35	6.47	6.25	6.25	6.10
2	5.90	6.11	6.10	6.36	8.72	6.99	6.92	6.34	6.36	6.21	6.21	6.08
3	5.90	6.11	6.11	6.79	7.72	6.83	6.86	6.33	6.29	6.20	6.21	6.09
4	5.89	6.11	6.11	6.73	7.38	6.73	6.80	6.33	6.25	6.21	6.15	6.10
5	5.89	6.09	6.11	6.58	7.20	6.65	6.75	6.34	6.23	6.28	6.12	6.20
6	6.05	6.08	6.11	6.40	7.19	6.62	6.71	6.34	6.22	6.56	6.11	6.34
7	9.88	6.08	6.11	6.35	7.07	6.60	6.68	6.32	6.21	6.30	6.11	6.35
8	7.90	6.08	6.10	6.40	6.97	6.58	6.66	6.31	6.20	6.38	6.10	6.38
9	6.83	6.09	6.11	6.36	6.90	7.93	6.63	6.30	6.24	6.31	6.15	6.34
10	6.51	6.19	6.13	6.30	6.85	7.57	6.61	6.31	6.32	6.29	6.19	6.26
11	6.38	6.50	6.15	6.26	6.80	7.06	6.58	6.47	6.24	6.33	6.26	6.19
12	6.31	6.27	6.22	6.23	6.75	7.17	6.55	6.50	6.43	6.44	6.19	6.14
13	6.27	6.17	6.18	6.22	6.72	10.25	6.53	6.44	6.34	6.80	6.14	6.12
14	6.24	6.16	6.16	6.20	6.68	15.92	6.51	6.38	6.38	6.84	6.11	6.10
15	6.22	6.59	6.13	6.18	6.66	13.90	6.52	6.35	6.49	6.46	6.09	6.10
16	6.21	6.53	6.12	6.18	6.65	10.66	6.50	6.32	7.01	6.34	6.08	6.09
17	6.20	6.43	6.11	6.17	6.76	8.25	6.48	6.30	6.59	6.27	6.07	6.07
18	6.19	6.30	6.10	6.16	8.03	7.65	6.46	6.28	6.33	6.23	6.06	6.07
19	6.18	6.22	6.13	6.15	7.32	7.42	6.45	6.27	6.25	6.23	6.08	6.06
20	6.17	6.18	6.17	6.15	6.99	7.29	6.44	6.27	6.21	6.37	6.06	6.06
21	6.16	6.15	6.18	6.14	6.84	7.19	6.43	6.26	6.18	6.28	6.10	6.06
22	6.15	6.15	6.14	6.18	6.75	7.11	6.43	6.25	6.17	6.20	6.07	6.06
23	6.13	6.14	6.12	6.86	6.69	7.02	6.42	6.25	6.21	6.17	6.06	6.05
24	6.13	6.13	6.16	6.97	6.64	6.95	6.42	6.29	6.33	6.17	6.08	6.06
25	6.12	6.13	6.23	6.53	6.61	6.92	6.41	6.26	6.30	6.21	6.14	6.05
26	6.12	6.13	6.24	6.38	6.59	6.94	6.40	6.25	6.47	6.33	6.13	6.05
27	6.11	6.12	6.22	6.30	6.58	6.89	6.41	6.23	7.23	6.43	6.31	6.06
28	6.12	6.11	6.36	6.25	6.81	6.84	6.39	6.23	6.62	6.74	6.13	6.07
29	6.12	6.11	6.72	6.24	---	6.80	6.37	6.23	6.39	6.82	6.09	6.15
30	6.12	6.11	6.50	10.14	---	6.86	6.36	6.32	6.29	6.44	6.08	6.29
31	6.12	---	6.39	16.04	---	7.13	---	6.41	---	6.30	6.07	---
MAX	9.88	6.59	6.72	16.04	11.58	15.92	7.06	6.50	7.23	6.84	6.31	6.38
MIN	5.89	6.08	6.10	6.14	6.58	6.58	6.36	6.23	6.17	6.17	6.06	6.05

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 Chappee 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)
Feb. 1	1500	12,700	18.02	Mar. 15	1800	*13,500	*18.16

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	578	506	538	701	11600	963	915	409	454	400	410	299
2	544	508	539	782	8040	992	792	404	434	382	381	302
3	529	508	537	892	2630	944	712	400	393	376	367	307
4	522	506	539	952	1460	878	668	397	372	374	352	349
5	516	503	539	885	1240	829	630	403	361	365	336	319
6	513	498	539	793	1130	794	610	402	354	420	328	339
7	1920	498	540	738	1090	771	594	397	359	433	325	367
8	3580	498	547	729	1030	759	577	390	358	441	321	388
9	1520	498	546	754	992	969	561	385	351	508	333	395
10	891	510	550	714	960	1620	547	389	374	438	425	376
11	744	611	566	687	937	1160	535	434	369	404	385	345
12	671	665	577	662	915	1020	518	557	387	431	368	323
13	627	570	600	643	880	2070	505	488	704	443	340	310
14	602	593	584	631	856	5960	496	448	449	635	326	303
15	582	733	574	622	835	12300	493	421	514	520	318	297
16	572	907	568	614	820	11200	487	404	516	431	310	295
17	561	762	564	608	819	5890	479	390	691	397	309	292
18	556	689	559	599	1120	2240	468	384	473	382	305	287
19	548	623	562	592	1290	1520	461	379	407	e370	305	286
20	541	589	572	588	1030	1250	456	375	382	e365	307	283
21	536	570	583	582	959	1070	452	372	363	e360	318	282
22	530	559	580	583	903	944	448	370	354	352	319	281
23	523	554	569	676	857	861	444	367	353	346	319	280
24	518	547	582	1010	825	798	443	368	367	351	308	280
25	516	546	599	856	800	766	440	372	399	483	310	280
26	511	545	627	744	786	756	434	365	503	402	318	279
27	510	544	621	687	776	731	437	362	751	416	334	279
28	506	540	774	667	785	694	431	382	739	464	345	279
29	507	539	844	720	---	664	423	361	503	732	315	290
30	507	540	856	1260	---	680	415	384	431	651	302	311
31	507	---	762	5870	---	814	---	455	---	478	298	---
TOTAL	22788	17259	18537	27841	46365	62907	15871	12414	13465	13550	10337	9303
MEAN	735	575	598	898	1656	2029	529	400	449	437	333	310
MAX	3580	907	856	5870	11600	12300	915	557	751	732	425	395
MIN	506	498	537	582	776	664	415	361	351	346	298	279
CFSM	1.14	.89	.93	1.39	2.56	3.14	.82	.62	.69	.68	.52	.48
IN.	1.31	.99	1.07	1.60	2.67	3.62	.91	.71	.78	.78	.60	.54

e Estimated

MISSISSIPPI RIVER DELTA
07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	579	768	1296	1667	2025	1865	1797	1185	817	775	714	715
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	333	310
(WY)	1968	1940	1940	1940	1968	1967	1963	1963	1963	1968	1999	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1939 - 1999		
ANNUAL TOTAL	490105			270637					
ANNUAL MEAN	1343			741			1179		
HIGHEST ANNUAL MEAN							2258		
LOWEST ANNUAL MEAN							525		
HIGHEST DAILY MEAN	15600	Jan	8	12300	Mar	15	78500	Apr	7 1983
LOWEST DAILY MEAN	419	Sep	9	279	Sep	26	245	Oct	30 1968
ANNUAL SEVEN-DAY MINIMUM	429	Sep	4	280	Sep	22	246	Oct	28 1968
INSTANTANEOUS PEAK FLOW				13500	Mar	15	85000	Apr	7 1983
INSTANTANEOUS PEAK STAGE				18.16	Mar	15	25.87	Apr	7 1983
INSTANTANEOUS LOW FLOW				279	Sep	23	245	Oct	30 1968
INSTANTANEOUS LOW STAGE				*5.79	many days		2.95	Oct	30 1939
ANNUAL RUNOFF (CFSM)	2.08				1.15				1.83
ANNUAL RUNOFF (INCHES)	28.22				15.58				24.80
10 PERCENT EXCEEDS	3200				947				2100
50 PERCENT EXCEEDS	611				518				646
90 PERCENT EXCEEDS	464				319				385

* Occurred: Sep 23, 24, 25, 26-28.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.94	6.56	6.57	7.09	17.68	7.84	8.35	6.49	6.70	6.45	6.50	5.92
2	6.82	6.57	6.56	7.41	16.14	7.97	7.97	6.47	6.61	6.36	6.35	5.93
3	6.75	6.56	6.56	7.84	11.69	7.71	7.71	6.45	6.42	6.33	6.28	5.96
4	6.73	6.55	6.56	8.10	9.67	7.43	7.56	6.44	6.31	6.32	6.21	6.19
5	6.70	6.53	6.56	7.82	8.99	7.26	7.43	6.46	6.26	6.28	6.13	6.03
6	6.69	6.51	6.55	7.44	8.64	7.13	7.36	6.46	6.22	6.54	6.09	6.14
7	10.04	6.50	6.55	7.23	8.49	7.05	7.29	6.44	6.24	6.60	6.07	6.28
8	13.04	6.50	6.57	7.20	8.19	7.00	7.23	6.40	6.24	6.63	6.04	6.39
9	9.74	6.49	6.56	7.29	7.97	7.82	7.17	6.37	6.20	6.93	6.11	6.43
10	8.07	6.54	6.58	7.14	7.80	10.04	7.11	6.40	6.32	6.63	6.56	6.33
11	7.54	6.92	6.63	7.04	7.67	8.72	7.06	6.61	6.29	6.47	6.38	6.18
12	7.27	7.11	6.66	6.95	7.57	8.13	6.99	7.14	6.38	6.59	6.29	6.06
13	7.11	6.77	6.74	6.88	7.44	10.61	6.93	6.85	6.75	6.65	6.15	5.98
14	7.01	6.84	6.68	6.84	7.35	14.95	6.89	6.67	6.68	7.43	6.08	5.94
15	6.94	7.35	6.64	6.81	7.28	17.88	6.88	6.55	6.97	6.99	6.03	5.91
16	6.90	8.02	6.61	6.78	7.23	17.41	6.85	6.47	6.97	6.59	5.98	5.89
17	6.86	7.45	6.60	6.76	7.23	14.90	6.81	6.40	7.63	6.43	5.97	5.87
18	6.83	7.17	6.58	6.72	8.43	11.14	6.76	6.37	6.79	6.36	5.95	5.85
19	6.80	6.93	6.59	6.70	9.16	9.82	6.73	6.35	6.49	---	5.95	5.84
20	6.77	6.80	6.63	6.68	8.19	9.18	6.71	6.33	6.36	---	5.96	5.82
21	6.74	6.73	6.67	6.66	7.79	8.76	6.69	6.31	6.27	---	6.03	5.81
22	6.71	6.69	6.66	6.67	7.52	8.43	6.67	6.30	6.22	6.24	6.03	5.80
23	6.68	6.66	6.61	7.00	7.36	8.18	6.66	6.29	6.22	6.18	6.03	5.80
24	6.66	6.64	6.66	8.33	7.24	7.99	6.65	6.29	6.29	6.20	5.97	5.80
25	6.64	6.62	6.72	7.70	7.16	7.89	6.64	6.31	6.45	6.83	5.98	5.80
26	6.62	6.62	6.83	7.25	7.10	7.85	6.61	6.28	6.90	6.46	6.03	5.79
27	6.60	6.61	6.80	7.04	7.07	7.77	6.62	6.26	7.82	6.53	6.11	5.79
28	6.59	6.59	7.39	6.97	7.10	7.65	6.60	6.36	7.79	6.75	6.17	5.79
29	6.58	6.58	7.65	7.17	---	7.55	6.56	6.25	6.92	7.77	6.01	5.87
30	6.58	6.58	7.70	8.75	---	7.60	6.52	6.37	6.60	7.49	5.93	5.99
31	6.57	---	7.32	14.89	---	8.04	---	6.71	---	6.81	5.91	---
MAX	13.04	8.02	7.70	14.89	17.68	17.88	8.35	7.14	7.82	---	6.56	6.43
MIN	6.57	6.49	6.55	6.66	7.07	7.00	6.52	6.25	6.20	---	5.91	5.79

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 rain gage 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, 4,480 ft³/s, Jan. 8; gage height observed, 10.63 ft; minimum gage height, 1.63 ft, Jul. 7-11, 20-22.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.84	1.82	1.93	1.96	6.21	2.78	2.64	1.82	1.78	1.79	1.88	1.81
2	1.84	1.85	1.94	2.43	3.22	2.21	2.43	1.82	1.73	1.78	1.86	1.83
3	1.83	1.84	1.93	3.27	2.72	2.06	2.32	1.82	1.72	1.78	1.84	1.87
4	1.83	1.83	1.95	2.48	2.55	1.95	2.24	1.82	1.69	1.78	1.83	1.87
5	1.83	1.82	1.96	2.16	2.35	1.83	2.18	1.83	1.67	1.78	1.82	1.87
6	1.96	1.82	1.95	2.06	2.08	1.78	2.15	1.82	1.66	1.78	1.81	2.22
7	2.77	1.83	1.96	2.14	1.96	1.71	2.11	1.80	1.64	1.78	1.81	2.01
8	2.32	1.84	1.99	2.21	1.89	1.66	2.09	1.78	1.64	1.80	1.82	1.98
9	1.99	1.85	1.99	2.12	1.82	2.44	2.07	1.78	1.65	1.80	1.85	1.97
10	1.90	1.95	1.95	2.03	1.80	2.28	2.05	1.85	1.66	1.91	2.17	1.92
11	1.87	1.93	2.01	1.96	1.75	2.01	2.03	2.05	1.68	1.85	2.12	1.87
12	1.85	1.88	2.04	1.92	1.72	---	2.00	1.97	1.92	2.18	1.95	1.86
13	1.84	1.86	2.01	1.89	1.68	---	1.98	1.88	1.77	3.41	1.87	1.85
14	1.83	2.19	1.96	1.89	1.66	---	1.98	1.82	1.85	2.36	1.84	1.85
15	1.82	2.33	1.92	1.86	1.65	---	2.00	1.77	1.82	1.97	1.83	1.86
16	1.81	2.07	1.89	1.84	1.64	4.20	1.97	1.75	1.78	1.88	1.81	1.82
17	1.80	1.92	1.89	1.86	2.75	3.22	1.95	1.75	1.72	1.88	1.80	1.82
18	1.80	1.89	1.88	1.84	3.48	2.89	1.94	1.74	1.67	1.86	1.85	1.81
19	1.80	1.88	1.94	1.83	2.44	2.58	1.94	1.74	1.66	1.87	1.82	1.81
20	1.80	1.89	1.97	1.81	2.07	2.37	1.94	1.73	1.65	1.93	1.81	1.81
21	1.80	1.89	1.93	1.80	1.90	2.25	1.94	1.73	1.64	1.90	1.80	1.81
22	1.80	1.90	1.90	1.92	1.80	2.16	1.94	1.72	1.64	1.88	1.81	1.80
23	1.80	1.91	1.90	2.80	1.74	2.14	1.93	1.71	1.67	1.86	1.81	1.80
24	1.79	1.90	1.96	2.47	1.70	2.15	1.93	1.73	1.74	1.86	1.80	1.80
25	1.80	1.90	1.99	2.09	1.68	2.23	1.92	1.72	1.89	1.89	1.79	1.80
26	1.80	1.90	1.97	1.97	1.65	2.20	1.88	1.70	2.24	1.89	1.79	1.81
27	1.82	1.90	1.93	1.91	1.70	2.15	1.87	1.70	2.40	1.93	1.80	1.81
28	1.82	1.90	2.26	1.86	2.70	2.13	1.85	1.70	2.00	1.93	1.80	1.81
29	1.82	1.89	2.75	1.93	---	2.13	1.84	1.70	1.86	2.19	1.80	1.97
30	1.82	1.90	2.19	8.41	---	2.28	1.83	1.79	1.81	2.00	1.81	2.03
31	1.82	---	2.02	9.27	---	2.77	---	1.84	---	1.90	1.81	---
MAX	2.77	2.33	2.75	9.27	6.21	---	2.64	2.05	2.40	3.41	2.17	2.22
MIN	1.79	1.82	1.88	1.80	1.64	---	1.83	1.70	1.64	1.78	1.79	1.80

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)
Feb. 2	1830	3,860	12.77	Mar. 15	2300	*6,680	*16.05

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	116	130	207	1810	255	473	196	151	119	104	76
2	128	118	129	206	3500	332	466	190	142	111	94	76
3	125	117	129	237	3070	345	407	188	135	108	92	79
4	124	117	130	314	1000	302	373	187	130	113	90	79
5	122	116	130	310	494	284	347	185	127	111	88	86
6	137	116	130	242	427	272	335	183	125	108	86	82
7	282	115	130	214	389	260	321	180	124	104	85	82
8	681	115	130	210	360	251	305	177	119	110	84	90
9	421	117	130	254	335	274	292	174	117	183	106	115
10	252	121	130	252	317	771	285	174	116	118	134	101
11	189	122	134	218	301	800	278	185	115	103	116	93
12	161	154	138	197	287	450	270	201	117	109	107	86
13	148	145	142	183	276	455	263	342	125	126	102	83
14	141	150	142	174	266	1220	255	227	127	139	95	81
15	136	146	142	169	259	4450	251	190	125	209	89	80
16	132	155	139	165	254	5530	246	176	128	157	89	78
17	129	190	136	162	256	3830	241	169	126	125	86	76
18	127	166	134	159	295	1850	236	164	118	136	83	76
19	125	148	137	156	740	636	232	160	113	114	82	73
20	123	138	139	155	570	518	227	158	109	112	82	74
21	122	133	142	153	408	460	225	155	104	106	82	74
22	121	132	143	154	353	423	222	152	104	102	92	73
23	120	131	139	174	316	398	219	150	105	101	88	73
24	118	131	142	314	293	377	216	147	103	113	82	72
25	118	131	144	339	278	362	214	145	106	201	84	72
26	118	131	151	262	266	349	211	144	140	123	82	73
27	117	131	156	217	259	360	212	141	136	101	79	73
28	117	130	194	194	257	346	214	140	201	113	78	74
29	118	130	208	180	---	328	204	138	182	102	77	78
30	117	129	283	183	---	335	199	142	137	131	77	83
31	116	---	256	774	---	369	---	157	---	110	77	---
TOTAL	5118	3991	4639	7128	17636	27192	8239	5417	3807	3818	2792	2411
MEAN	165	133	150	230	630	877	275	175	127	123	90.1	80.4
MAX	681	190	283	774	3500	5530	473	342	201	209	134	115
MIN	116	115	129	153	254	251	199	138	103	101	77	72
CFM	.67	.54	.61	.93	2.55	3.55	1.11	.71	.51	.50	.36	.33
IN.	.77	.60	.70	1.07	2.66	4.10	1.24	.82	.57	.58	.42	.36

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1999, BY WATER YEAR (WY)

MEAN	157	231	431	613	731	667	625	395	237	199	206	208
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1941 - 1999

ANNUAL TOTAL	153286	92188	
ANNUAL MEAN	420	253	390
HIGHEST ANNUAL MEAN			707
LOWEST ANNUAL MEAN			148
HIGHEST DAILY MEAN	7740	5530	19200
LOWEST DAILY MEAN	92	72	65
ANNUAL SEVEN-DAY MINIMUM	96	73	66
INSTANTANEOUS PEAK FLOW		6680	22500
INSTANTANEOUS PEAK STAGE		16.05	21.04
INSTANTANEOUS LOW FLOW		^a 71	65
INSTANTANEOUS LOW STAGE		^a 0.28	^a 0.28
ANNUAL RUNOFF (CFSM)	1.70	1.02	1.58
ANNUAL RUNOFF (INCHES)	23.09	13.88	21.45
10 PERCENT EXCEEDS	1050	356	804
50 PERCENT EXCEEDS	143	142	168
90 PERCENT EXCEEDS	108	84	100

a Also occurred Sep 26, 1999.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.88	.66	.71	1.34	8.40	1.25	2.92	.94	.90	.78	.70	.37
2	.83	.67	.70	1.34	12.12	1.80	2.87	.91	.83	.70	.60	.37
3	.80	.66	.70	1.59	11.29	1.89	2.36	.90	.77	.67	.58	.39
4	.79	.66	.70	2.15	5.61	1.59	2.05	.90	.73	.73	.55	.38
5	.77	.65	.70	2.13	3.12	1.46	1.86	.90	.71	.71	.53	.46
6	.90	.64	.70	1.63	2.57	1.38	1.78	.90	.70	.68	.51	.41
7	2.11	.63	.70	1.41	2.24	1.29	1.68	.88	.71	.64	.50	.42
8	4.51	.63	.70	1.37	2.00	1.23	1.57	.86	.68	.70	.49	.50
9	3.05	.64	.69	1.73	1.82	1.39	1.48	.85	.67	1.39	.70	.73
10	1.89	.68	.69	1.71	1.69	4.72	1.43	.86	.67	.79	.97	.60
11	1.39	.69	.73	1.44	1.58	4.90	1.38	.96	.67	.64	.80	.52
12	1.14	.99	.76	1.26	1.49	2.76	1.32	1.11	.70	.70	.71	.45
13	1.02	.91	.79	1.15	1.40	2.79	1.27	2.20	.78	.88	.66	.42
14	.95	.95	.80	1.07	1.33	6.57	1.23	1.34	.82	1.00	.59	.39
15	.90	.91	.79	1.02	1.28	13.20	1.20	1.06	.80	1.61	.53	.38
16	.86	.99	.75	.99	1.24	14.94	1.18	.95	.83	1.17	.53	.35
17	.83	1.29	.73	.96	1.26	12.68	1.15	.89	.82	.87	.48	.34
18	.80	1.08	.71	.93	1.55	8.33	1.12	.86	.74	.99	.46	.34
19	.78	.92	.73	.90	4.72	4.09	1.10	.84	.69	.77	.45	.31
20	.76	.82	.75	.90	3.64	3.28	1.08	.82	.65	.75	.44	.31
21	.74	.77	.77	.88	2.41	2.82	1.07	.81	.61	.69	.44	.31
22	.73	.76	.78	.88	1.95	2.49	1.06	.79	.61	.66	.55	.30
23	.72	.75	.75	1.07	1.69	2.27	1.04	.78	.62	.65	.50	.30
24	.70	.74	.77	2.15	1.52	2.09	1.03	.77	.60	.76	.44	.29
25	.69	.74	.80	2.34	1.42	1.97	1.02	.76	.63	1.55	.45	.29
26	.69	.74	.86	1.78	1.34	1.87	1.01	.77	.97	.87	.44	.29
27	.68	.73	.90	1.43	1.29	1.95	1.03	.75	.94	.66	.41	.29
28	.68	.72	1.24	1.24	1.27	1.85	1.05	.75	1.50	.78	.39	.30
29	.68	.72	1.35	1.13	---	1.73	.98	.74	1.35	.66	.38	.34
30	.67	.71	1.94	1.15	---	1.78	.95	.79	.95	.95	.38	.39
31	.66	---	1.74	4.77	---	2.03	---	.94	---	.75	.38	---
MAX	4.51	1.29	1.94	4.77	12.12	14.94	2.92	2.20	1.50	1.61	.97	.73
MIN	.66	.63	.69	.88	1.24	1.23	.95	.74	.60	.64	.38	.29

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 current year (gage heights only).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.43 ft, Jan. 7, 1998; minimum, 7.04 ft, Sept. 8, 9, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.61 ft, Mar. 14; minimum, 7.07 ft, Aug. 27-31, Sept. 1-3.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.36	7.23	7.26	7.45	8.68	7.36	8.82	7.19	7.77	7.14	7.36	7.08
2	7.35	7.24	7.25	7.89	8.32	7.34	8.38	7.19	7.48	7.12	7.30	7.07
3	7.39	7.24	7.25	8.53	8.13	7.38	8.16	7.20	7.34	7.18	7.34	7.07
4	7.36	7.24	7.27	8.10	8.00	7.34	8.02	7.20	7.27	7.17	7.70	7.08
5	7.31	7.23	7.29	7.85	7.88	7.32	7.90	7.18	7.24	7.13	7.49	7.08
6	7.47	7.24	7.29	7.72	7.79	7.32	7.80	7.18	7.21	7.11	7.32	7.09
7	10.79	7.26	7.31	7.72	7.72	7.31	7.72	7.16	7.19	7.10	7.24	7.12
8	9.77	7.25	7.31	7.80	7.66	7.29	7.64	7.15	7.18	7.11	7.21	7.37
9	8.59	7.24	7.32	7.93	7.62	10.04	7.57	7.15	7.19	7.11	7.30	7.59
10	8.19	7.27	7.34	7.81	7.58	9.80	7.52	7.19	7.18	7.11	7.29	7.45
11	7.93	7.31	7.35	7.69	7.52	8.59	7.48	7.46	7.18	7.13	7.21	7.32
12	7.78	7.31	7.37	7.60	7.48	8.45	7.42	10.34	7.18	7.34	7.15	7.25
13	7.67	7.29	7.34	7.55	7.43	10.36	7.38	8.31	7.17	7.42	7.13	7.22
14	7.59	7.31	7.31	7.51	7.39	12.18	7.35	7.85	7.19	7.36	7.12	7.19
15	7.53	7.35	7.29	7.47	7.36	10.79	7.32	7.63	7.19	7.26	7.11	7.17
16	7.47	7.98	7.28	7.44	7.35	8.99	7.30	7.49	7.16	7.20	7.10	7.16
17	7.42	7.68	7.28	7.40	7.46	8.60	7.29	7.39	7.16	7.17	7.10	7.15
18	7.39	7.45	7.26	7.37	8.07	8.39	7.28	7.35	7.16	7.16	7.10	7.13
19	7.36	7.35	7.32	7.34	8.06	8.23	7.27	7.31	7.15	7.20	7.09	7.14
20	7.34	7.28	7.34	7.33	7.84	8.09	7.27	7.29	7.13	7.20	7.09	7.15
21	7.32	7.25	7.33	7.32	7.70	7.98	7.26	7.27	7.12	7.17	7.11	7.14
22	7.29	7.24	7.33	7.42	7.60	7.88	7.26	7.25	7.12	7.15	7.10	7.13
23	7.27	7.23	7.32	8.82	7.53	7.79	7.24	7.24	7.11	7.13	7.09	7.12
24	7.26	7.23	7.35	8.38	7.48	7.73	7.22	7.23	7.11	7.13	7.09	7.11
25	7.25	7.23	7.34	8.02	7.45	7.69	7.21	7.20	7.13	7.14	7.08	7.11
26	7.24	7.21	7.31	7.84	7.41	7.69	7.19	7.24	7.41	7.13	7.08	7.12
27	7.23	7.22	7.29	7.73	7.38	7.68	7.60	7.22	7.44	7.19	7.08	7.12
28	7.24	7.23	7.65	7.65	7.38	7.67	7.33	7.18	7.29	7.20	7.07	7.12
29	7.23	7.25	8.05	7.62	---	7.62	7.23	7.17	7.22	8.41	7.07	7.23
30	7.22	7.26	7.69	9.37	---	7.68	7.20	8.23	7.19	8.09	7.07	7.21
31	7.23	---	7.55	9.86	---	8.88	---	8.64	---	7.65	7.07	---
MAX	10.79	7.98	8.05	9.86	8.68	12.18	8.82	10.34	7.77	8.41	7.70	7.59
MIN	7.22	7.21	7.25	7.32	7.35	7.29	7.19	7.15	7.11	7.10	7.07	7.07

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 rain gage 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(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 14	0930	*1,280	*10.84	No peaks above base discharge.			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	16	13	21	135	17	161	11	46	9.0	22	15
2	24	16	13	168	74	16	87	11	20	8.5	20	15
3	21	17	13	155	52	21	59	10	15	9.0	19	15
4	21	17	13	81	40	18	43	9.2	13	10	18	15
5	21	16	14	47	32	17	33	10	12	9.5	18	17
6	39	16	13	33	27	16	31	9.9	12	8.6	18	16
7	573	16	13	49	24	16	26	9.2	13	11	18	16
8	460	15	13	61	22	16	22	8.9	12	49	17	66
9	143	15	13	50	21	251	20	8.4	13	41	21	85
10	73	22	12	39	20	385	19	12	11	13	71	17
11	46	20	13	30	19	130	17	28	10	9.7	28	10
12	34	16	13	25	19	86	16	289	10	9.6	21	7.7
13	29	16	13	22	18	391	15	128	14	16	19	6.8
14	26	110	13	20	17	1060	14	39	17	13	18	6.0
15	24	81	12	19	17	759	15	24	53	11	17	5.2
16	22	72	12	18	17	265	13	19	20	10	16	4.9
17	21	43	11	18	21	119	13	17	16	8.5	16	4.9
18	20	23	11	17	41	83	13	16	11	8.9	16	4.4
19	e20	18	13	17	45	65	13	14	9.4	9.0	16	4.4
20	e19	16	15	17	32	52	13	13	9.0	9.3	15	4.5
21	19	15	13	16	24	43	13	12	8.6	12	19	4.3
22	19	14	12	18	21	34	12	12	8.8	9.4	19	4.0
23	18	14	12	125	19	29	12	12	9.0	7.8	21	4.0
24	18	13	14	114	18	26	11	12	9.1	145	15	3.8
25	18	13	20	59	17	25	11	11	11	182	17	3.9
26	18	13	16	37	17	23	11	10	95	33	16	4.2
27	18	13	14	28	17	22	13	11	42	23	15	4.1
28	17	13	192	24	18	21	17	44	16	26	15	4.2
29	17	12	106	23	---	20	12	14	12	23	15	7.1
30	17	13	50	55	---	46	11	36	11	43	15	8.5
31	17	---	27	293	---	175	---	128	---	29	14	---
TOTAL	1862	714	732	1699	844	4247	766	988.6	558.9	806.8	605	383.9
MEAN	60.1	23.8	23.6	54.8	30.1	137	25.5	31.9	18.6	26.0	19.5	12.8
MAX	573	110	192	293	135	1060	161	289	95	182	71	85
MIN	17	12	11	16	17	16	11	8.4	8.6	7.8	14	3.8
CFSM	.76	.30	.30	.69	.38	1.72	.32	.40	.23	.33	.25	.16
IN.	.87	.33	.34	.80	.39	1.99	.36	.46	.26	.38	.28	.18

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1999, BY WATER YEAR (WY)

MEAN	38.0	77.3	137	190	248	214	202	116	59.9	53.5	58.2	58.7
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1944 - 1999

ANNUAL TOTAL	52770.7	14207.2	
ANNUAL MEAN	145	38.9	120
HIGHEST ANNUAL MEAN			234
LOWEST ANNUAL MEAN			25.0
HIGHEST DAILY MEAN	2590	Mar 8	1060
LOWEST DAILY MEAN	7.4	Sep 8	3.8
ANNUAL SEVEN-DAY MINIMUM	7.6	Sep 3	4.0
INSTANTANEOUS PEAK FLOW			1280
INSTANTANEOUS PEAK STAGE			10.84
INSTANTANEOUS LOW FLOW			^a 3.5
INSTANTANEOUS LOW STAGE			^a 3.07
ANNUAL RUNOFF (CFSM)	1.82		.49
ANNUAL RUNOFF (INCHES)	24.69		6.65
10 PERCENT EXCEEDS	376		72
50 PERCENT EXCEEDS	22		17
90 PERCENT EXCEEDS	11		9.3

^a Also occurred Sep 25.^b Also occurred Oct. 15-18, 1980.GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.94	3.54	3.53	3.74	5.15	3.58	5.36	3.44	4.18	3.28	3.41	3.17
2	3.80	3.55	3.50	5.18	4.59	3.56	4.73	3.43	3.65	3.26	3.33	3.17
3	3.71	3.57	3.50	5.32	4.31	3.70	4.41	3.41	3.49	3.28	3.29	3.17
4	3.69	3.56	3.51	4.66	4.12	3.61	4.19	3.38	3.42	3.33	3.27	3.18
5	3.68	3.55	3.54	4.23	3.97	3.56	4.03	3.41	3.40	3.30	3.28	3.23
6	3.86	3.54	3.51	3.99	3.87	3.55	3.99	3.40	3.38	3.26	3.28	3.20
7	7.57	3.54	3.50	4.24	3.80	3.55	3.89	3.38	3.44	3.32	3.26	3.22
8	7.08	3.51	3.52	4.44	3.74	3.53	3.79	3.37	3.39	3.95	3.24	3.87
9	5.21	3.50	3.50	4.29	3.70	5.68	3.72	3.35	3.42	4.04	3.36	4.64
10	4.58	3.69	3.49	4.11	3.67	6.69	3.68	3.46	3.37	3.41	4.49	3.58
11	4.23	3.65	3.52	3.94	3.65	5.11	3.65	3.91	3.33	3.31	3.58	3.34
12	4.02	3.55	3.52	3.80	3.65	4.71	3.61	5.93	3.33	3.30	3.38	3.25
13	3.90	3.56	3.53	3.72	3.60	6.68	3.57	5.03	3.46	3.52	3.29	3.20
14	3.83	4.57	3.50	3.67	3.58	9.92	3.56	4.10	3.53	3.44	3.26	3.18
15	3.78	4.62	3.48	3.64	3.57	8.56	3.58	3.78	4.31	3.36	3.23	3.15
16	3.74	4.54	3.47	3.62	3.57	6.01	3.52	3.64	3.65	3.32	3.21	3.14
17	3.71	4.17	3.46	3.60	3.69	5.02	3.51	3.57	3.52	3.26	3.21	3.14
18	3.68	3.81	3.46	3.59	4.13	4.69	3.50	3.53	3.35	3.28	3.21	3.12
19	---	3.67	3.53	3.57	4.21	4.49	3.51	3.49	3.30	3.28	3.20	3.12
20	---	3.60	3.57	3.56	3.98	4.32	3.50	3.44	3.28	3.29	3.19	3.12
21	3.64	3.57	3.51	3.55	3.80	4.18	3.50	3.42	3.26	3.38	3.30	3.11
22	3.62	3.55	3.49	3.60	3.70	4.04	3.48	3.40	3.27	3.29	3.30	3.10
23	3.62	3.53	3.47	5.00	3.64	3.94	3.47	3.40	3.28	3.23	3.36	3.09
24	3.60	3.52	3.54	4.97	3.61	3.87	3.45	3.39	3.28	4.47	3.20	3.08
25	3.60	3.52	3.72	4.40	3.58	3.85	3.45	3.36	3.36	5.30	3.24	3.09
26	3.60	3.51	3.61	4.07	3.57	3.82	3.46	3.34	4.55	3.72	3.21	3.10
27	3.59	3.50	3.53	3.89	3.57	3.77	3.53	3.36	4.10	3.44	3.18	3.10
28	3.58	3.50	5.31	3.78	3.62	3.74	3.63	4.11	3.51	3.53	3.17	3.10
29	3.58	3.49	4.90	3.76	---	3.73	3.48	3.49	3.38	3.43	3.18	3.22
30	3.58	3.50	4.28	4.19	---	4.17	3.44	3.98	3.34	4.01	3.18	3.28
31	3.57	---	3.90	6.20	---	5.45	---	5.08	---	3.59	3.16	---
MAX	---	4.62	5.31	6.20	5.15	9.92	5.36	5.93	4.55	5.30	4.49	4.64
MIN	---	3.49	3.46	3.55	3.57	3.53	3.44	3.34	3.26	3.23	3.16	3.08

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 rain gage 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)
Mar. 14	1442	*24,100	*17.09	Jan. 30	1930	9,420	12.41

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	276	270	493	3920	1950	e1900	432	447	563	396	274
2	294	283	268	592	1720	1070	e1600	429	419	546	385	272
3	293	302	271	1780	1120	803	e1300	429	405	539	372	274
4	292	289	275	1390	986	705	e1000	429	397	567	365	276
5	296	278	275	748	1620	618	e840	432	392	579	358	280
6	339	273	273	560	1070	578	e780	431	389	544	352	298
7	711	271	270	532	806	589	e720	425	385	526	350	330
8	580	275	277	667	705	556	e680	417	387	518	338	424
9	399	278	287	691	642	880	e640	413	410	934	308	341
10	343	296	289	589	600	1520	e600	428	439	799	579	316
11	323	331	324	494	591	1040	e580	489	410	730	439	293
12	312	316	459	439	565	955	e560	513	396	730	352	279
13	306	295	1070	407	527	5080	e520	506	406	1080	330	275
14	302	317	687	383	500	17100	e500	453	447	638	315	273
15	299	1220	480	367	484	e15000	e480	432	426	496	305	267
16	297	1030	385	355	478	e10000	e470	422	438	453	298	260
17	294	546	343	348	577	e6000	e460	415	412	437	294	256
18	292	387	321	339	905	e2500	e455	412	445	601	293	255
19	290	334	327	330	1120	e1700	e450	411	399	652	290	255
20	289	308	367	326	785	e1500	e440	410	379	479	292	255
21	285	290	369	326	626	e1300	e430	406	395	446	299	254
22	278	283	335	334	557	e1100	e440	404	546	435	292	250
23	274	281	321	589	516	e1000	e445	402	589	410	284	248
24	274	281	351	576	492	e900	e450	406	601	402	280	244
25	277	278	508	466	474	e840	e460	403	571	423	277	244
26	279	275	594	400	462	e760	e470	400	633	404	283	247
27	278	274	511	370	465	e720	e490	396	1160	462	300	246
28	277	272	822	355	1300	e680	446	394	837	477	278	246
29	277	272	1460	365	---	e640	442	398	688	706	277	313
30	278	272	960	6700	---	e620	436	434	594	511	272	354
31	278	---	627	8120	---	e2200	---	486	---	425	272	---
TOTAL	9900	10683	14376	30431	24613	80904	19484	13257	14842	17512	10125	8399
MEAN	319	356	464	982	879	2610	649	428	495	565	327	280
MAX	711	1220	1460	8120	3920	17100	1900	513	1160	1080	579	424
MIN	274	271	268	326	462	556	430	394	379	402	272	244
CFSM	.55	.61	.80	1.69	1.52	4.50	1.12	.74	.85	.97	.56	.48
IN.	.63	.69	.92	1.95	1.58	5.19	1.25	.85	.95	1.12	.65	.54

e Estimated

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1999, BY WATER YEAR (WY)

MEAN	460	565	1092	1289	1727	1613	1564	937	594	509	438	484	
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	346	257	264	261	218	220	
(WY)	1964	1970	1967	1957	1970	1955	1963	1965	1969	1960	1954	1963	
SUMMARY STATISTICS			FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1951 - 1999				
ANNUAL TOTAL			336629			254526							
ANNUAL MEAN			922			697			928				
HIGHEST ANNUAL MEAN									1924				
LOWEST ANNUAL MEAN									380				
HIGHEST DAILY MEAN			23600	Jan	8	17100	Mar	14	58500	Apr	7	1983	
LOWEST DAILY MEAN			268	Dec	2	244	Sep	24	188	Oct	18	1956	
ANNUAL SEVEN-DAY MINIMUM			271	Nov	27	246	Sep	22	190	Oct	26	1963	
INSTANTANEOUS PEAK FLOW						24100	Mar	14	104000	Jan	25	1990	
INSTANTANEOUS PEAK STAGE						17.09	Mar	14	22.05	Jan	25	1990	
INSTANTANEOUS LOW FLOW						^a 242	Sep	23	188	Oct	18	1956	
INSTANTANEOUS LOW STAGE						1.87	Nov.	7	^b 0.39	Sep	6	1990	
ANNUAL RUNOFF (CFSM)			1.59				1.20				1.60		
ANNUAL RUNOFF (INCHES)			21.59				16.32				21.75		
10 PERCENT EXCEEDS			1840				1000				1600		
50 PERCENT EXCEEDS			368				423				421		
90 PERCENT EXCEEDS			279				275				255		
a Also occurred Sep 24, 25.													
b Also occurred Sep 7-9													

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.94	1.89	1.96	2.53	7.83	5.23	---	2.16	2.20	2.32	2.04	1.78
2	1.94	1.92	1.95	2.74	4.83	3.68	---	2.15	2.13	2.29	2.01	1.77
3	1.94	1.97	1.96	4.97	3.77	3.13	---	2.15	2.09	2.27	1.99	1.78
4	1.94	1.93	1.97	4.31	3.51	2.91	---	2.15	2.07	2.34	1.97	1.78
5	1.95	1.90	1.97	3.10	4.66	2.72	---	2.16	2.06	2.38	1.96	1.79
6	2.06	1.89	1.97	2.68	3.67	2.62	---	2.16	2.05	2.30	1.95	1.85
7	2.99	1.88	1.96	2.62	3.13	2.65	---	2.14	2.04	2.26	1.94	1.94
8	2.68	1.89	1.98	2.93	2.91	2.56	---	2.12	2.05	2.25	1.92	2.17
9	2.23	1.90	2.00	2.98	2.77	3.27	---	2.11	2.10	3.15	1.84	1.97
10	2.08	1.95	2.01	2.75	2.67	4.49	---	2.15	2.18	2.88	2.50	1.90
11	2.02	2.04	2.10	2.53	2.65	3.62	---	2.30	2.10	2.74	2.17	1.84
12	1.99	2.00	2.43	2.40	2.59	3.42	---	2.35	2.07	2.74	1.96	1.80
13	1.98	1.95	3.74	2.32	2.50	8.84	---	2.34	2.09	3.44	1.90	1.79
14	1.97	2.01	2.97	2.26	2.43	15.47	---	2.21	2.20	2.54	1.87	1.79
15	1.96	3.94	2.49	2.21	2.39	---	---	2.16	2.14	2.22	1.84	1.77
16	1.95	3.66	2.26	2.18	2.38	---	---	2.13	2.18	2.12	1.82	1.76
17	1.94	2.65	2.15	2.17	2.61	---	---	2.12	2.12	2.08	1.81	1.75
18	1.94	2.27	2.10	2.14	3.34	---	---	2.11	2.20	2.45	1.81	1.74
19	1.93	2.13	2.11	2.12	3.77	---	---	2.11	2.09	2.59	1.80	1.74
20	1.93	2.06	2.21	2.11	3.09	---	---	2.10	2.05	2.20	1.81	1.74
21	1.92	2.01	2.22	2.11	2.73	---	---	2.09	2.00	2.12	1.83	1.74
22	1.90	2.00	2.13	2.13	2.57	---	---	2.09	2.25	2.10	1.82	1.73
23	1.89	1.99	2.10	2.75	2.47	---	---	2.08	2.36	2.04	1.80	1.73
24	1.89	1.99	2.17	2.72	2.41	---	---	2.09	2.39	2.02	1.79	1.72
25	1.90	1.98	2.56	2.46	2.37	---	---	2.09	2.32	2.07	1.78	1.73
26	1.90	1.97	2.76	2.30	2.34	---	---	2.08	2.47	2.04	1.79	1.73
27	1.90	1.97	2.57	2.22	2.35	---	---	2.07	3.56	2.18	1.84	1.73
28	1.90	1.96	3.18	2.18	4.02	---	2.26	2.06	2.93	2.22	1.78	1.73
29	1.90	1.96	4.44	2.21	---	---	2.18	2.07	2.60	2.74	1.78	1.90
30	1.90	1.96	3.53	10.04	---	---	2.17	2.16	2.39	2.31	1.77	2.01
31	1.90	---	2.84	11.57	---	---	---	2.29	---	2.11	1.77	---
MAX	2.99	3.94	4.44	11.57	7.83	---	---	2.35	3.56	3.44	2.50	2.17
MIN	1.89	1.88	1.95	2.11	2.34	---	---	2.06	2.00	2.02	1.77	1.72

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 rain gage 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. 31	0500	6,550	9.34	Mar. 14	1500	*10,900	*12.07

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	49	53	78	821	256	242	53	69	56	59	47
2	53	51	53	210	234	133	149	52	57	54	55	47
3	53	52	54	524	177	122	117	52	53	51	53	47
4	53	53	54	167	153	127	101	53	51	55	51	47
5	54	49	54	102	147	113	92	53	50	51	50	47
6	108	49	54	84	138	107	85	53	50	51	50	325
7	619	49	54	371	132	103	80	52	49	50	50	468
8	303	49	55	355	128	100	77	51	49	50	50	108
9	90	49	56	185	125	959	74	51	48	50	65	62
10	71	58	59	112	122	459	71	64	47	58	151	49
11	65	62	60	87	120	164	69	73	47	57	87	45
12	61	60	134	78	117	169	67	113	54	e105	60	43
13	60	51	431	73	115	2770	64	73	69	184	53	42
14	59	54	110	70	112	6860	64	59	53	120	51	41
15	58	212	73	67	110	2380	63	56	62	67	49	40
16	55	123	64	65	110	355	61	54	52	91	49	40
17	52	72	59	65	352	210	61	53	55	64	48	39
18	51	60	57	62	354	166	60	52	49	129	48	39
19	51	56	59	61	179	142	59	52	47	78	48	39
20	51	e55	69	61	136	126	e58	52	46	55	48	39
21	51	e54	67	61	121	115	58	51	45	51	48	38
22	50	53	58	98	112	107	57	51	46	55	59	38
23	49	e53	56	388	107	101	57	50	47	54	50	37
24	49	54	61	150	105	98	56	51	47	54	48	37
25	50	54	105	94	102	125	56	51	49	54	47	37
26	50	54	85	79	101	138	56	52	383	53	46	38
27	50	53	72	74	101	113	56	51	401	53	46	38
28	49	53	158	71	170	99	55	50	137	54	46	38
29	49	53	547	71	---	223	54	52	71	260	46	63
30	49	53	156	2990	---	988	53	95	60	150	46	58
31	49	---	94	4380	---	570	---	177	---	68	46	---
TOTAL	2565	1847	3121	11333	4801	18498	2272	1902	2343	2382	1703	2076
MEAN	82.7	61.6	101	366	171	597	75.7	61.4	78.1	76.8	54.9	69.2
MAX	619	212	547	4380	821	6860	242	177	401	260	151	468
MIN	49	49	53	61	101	98	53	50	45	50	46	37
CFSM	.57	.42	.69	2.52	1.18	4.12	.52	.42	.54	.53	.38	.48
IN.	.66	.47	.80	2.91	1.23	4.75	.58	.49	.60	.61	.44	.53

e Estimated.

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1999, BY WATER YEAR (WY)

MEAN	111	151	278	419	460	425	401	215	138	122	117	108
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1943 - 1999

ANNUAL TOTAL	86883	54843	
ANNUAL MEAN	238	150	244
HIGHEST ANNUAL MEAN			527
LOWEST ANNUAL MEAN			83.1
HIGHEST DAILY MEAN	8260	Jan 7	6860
LOWEST DAILY MEAN	46	Aug 28	37
ANNUAL SEVEN-DAY MINIMUM	47	Aug 1	38
INSTANTANEOUS PEAK FLOW			10900
INSTANTANEOUS PEAK STAGE			12.07
INSTANTANEOUS LOW FLOW			^a 36
INSTANTANEOUS LOW STAGE			a0.11
ANNUAL RUNOFF (CFSM)	1.64		1.04
ANNUAL RUNOFF (INCHES)	22.29		14.07
10 PERCENT EXCEEDS	399		178
50 PERCENT EXCEEDS	64		58
90 PERCENT EXCEEDS	49		47

a Occurred Sep 22, 23, 24, 24.

b Also occurred Sep 14, 1995.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.41	.44	.62	2.88	1.43	1.39	.26	.39	.24	.26	.15
2	.45	.42	.45	1.23	1.37	.87	.93	.26	.29	.22	.23	.16
3	.45	.44	.45	2.32	1.11	.81	.74	.26	.26	.20	.22	.16
4	.45	.44	.45	1.09	.99	.83	.63	.26	.25	.23	.20	.16
5	.45	.41	.45	.76	.96	.74	.56	.27	.24	.20	.19	.15
6	.72	.40	.45	.66	.90	.70	.52	.26	.23	.20	.18	1.01
7	2.58	.40	.45	1.79	.87	.68	.49	.26	.23	.19	.18	2.00
8	1.57	.41	.46	1.82	.84	.65	.46	.25	.22	.19	.19	.66
9	.70	.41	.47	1.17	.82	3.24	.44	.25	.21	.19	.29	.33
10	.58	.48	.49	.82	.80	2.09	.41	.35	.20	.26	.89	.24
11	.53	.51	.50	.68	.79	1.04	.39	.43	.20	.24	.49	.20
12	.51	.50	.86	.62	.77	1.01	.38	.70	.27	---	.27	.18
13	.50	.43	2.03	.59	.76	5.40	.36	.43	.40	1.12	.22	.17
14	.49	.45	.81	.56	.73	9.37	.35	.32	.26	.71	.19	.16
15	.48	1.20	.59	.55	.72	5.36	.35	.28	.33	.33	.18	.15
16	.46	.87	.53	.54	.72	1.81	.33	.27	.26	.51	.17	.14
17	.44	.58	.49	.53	1.61	1.25	.33	.26	.28	.31	.17	.14
18	.43	.50	.47	.52	1.81	1.03	.32	.26	.22	.75	.16	.13
19	.43	.47	.49	.51	1.12	.89	.31	.25	.20	.42	.16	.13
20	.43	---	.56	.51	.89	.79	---	.25	.20	.28	.16	.13
21	.42	---	.55	.51	.79	.72	.30	.25	.19	.25	.16	.13
22	.42	.44	.48	.69	.74	.67	.30	.24	.19	.23	.26	.12
23	.41	---	.47	1.90	.71	.64	.29	.24	.21	.22	.19	.12
24	.41	.45	.51	1.01	.69	.61	.29	.25	.20	.22	.16	.12
25	.41	.45	.78	.72	.67	.78	.28	.25	.22	.22	.15	.12
26	.41	.45	.67	.63	.66	.87	.29	.26	1.41	.21	.15	.12
27	.41	.44	.58	.59	.67	.71	.28	.24	1.95	.21	.14	.12
28	.41	.44	1.02	.58	1.00	.62	.28	.23	.80	.22	.14	.13
29	.41	.44	2.38	.57	---	1.07	.27	.26	.36	1.32	.14	.35
30	.41	.44	1.04	6.02	---	3.44	.27	.53	.27	.86	.14	.30
31	.41	---	.72	7.51	---	2.43	---	1.03	---	.34	.14	---
MAX	2.58	---	2.38	7.51	2.88	9.37	---	1.03	1.95	---	.89	2.00
MIN	.41	---	.44	.51	.66	.61	---	.23	.19	---	.14	.12

MISSISSIPPI RIVER DELTA

0737782 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 fair, except for estimated daily discharge, which are 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)
Mar. 13	2230	*1,810	*17.02	No other peak greater than base discharge.			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.10	.25	.31	2.5	64	1.7	27	.20	.53	1.5	.26	.30
2	.05	.27	.29	236	23	e1.1	10	.19	.88	1.0	.20	.26
3	.04	.27	.30	147	11	2.9	4.9	.18	1.2	.77	.26	.21
4	.03	.26	.34	41	8.7	22	3.1	.20	.83	.73	.25	.19
5	.03	.28	.33	16	7.7	13	2.2	.23	.63	.64	.20	.18
6	109	.23	.31	4.1	4.0	13	1.7	.24	.50	.51	2.3	30
7	281	.23	.33	443	2.8	23	1.4	.20	.48	.39	1.4	119
8	57	.23	.34	371	6.7	5.4	1.2	.16	.59	.45	.30	37
9	5.6	.23	.34	67	6.0	142	1.1	.16	.41	.40	.20	3.7
10	2.2	.50	.73	35	2.4	298	1.1	.50	.44	1.8	.16	1.7
11	1.5	.60	1.4	18	1.7	34	e.92	4.4	.48	1.4	.15	1.0
12	1.0	.36	26	6.5	1.5	13	e.84	3.2	.48	26	.18	.69
13	.84	.28	67	2.5	1.5	544	e.76	2.3	.71	36	.11	.79
14	.73	3.2	22	1.9	1.4	1310	e.69	1.1	2.4	14	.09	.54
15	.63	3.3	3.1	1.6	1.3	312	.60	.74	1.6	3.5	.09	.38
16	.66	1.4	1.9	1.4	1.3	35	.48	.59	2.3	1.8	.08	.28
17	.53	.89	1.3	1.2	78	15	.41	.46	1.2	66	.06	.21
18	.48	.66	1.1	1.0	281	8.1	.36	.41	.64	99	.07	.17
19	.43	.51	1.6	.94	60	4.9	.43	.35	.43	31	.09	.15
20	.39	.53	1.2	1.0	27	3.3	.38	.31	.31	7.5	.06	.15
21	e.29	.57	.90	1.0	13	2.4	.40	.29	.27	4.7	2.7	.13
22	.23	.79	.67	17	6.8	1.9	.34	.26	.62	8.9	1.0	.09
23	.23	.69	.64	120	3.3	1.4	.32	.24	.60	2.1	.24	.08
24	.22	.65	2.1	53	2.5	1.3	.29	.21	.58	1.2	.16	.07
25	.21	.50	2.0	26	2.0	1.5	.29	.18	2.4	.87	.34	.06
26	.22	.42	1.3	12	1.8	2.4	.30	.21	138	.66	.08	.07
27	.21	.35	1.1	4.1	1.8	5.3	.41	.23	244	1.2	.12	.08
28	.25	.34	279	2.2	1.8	2.5	.33	.17	27	1.1	.09	.14
29	.41	.31	106	1.8	---	6.5	.27	.26	4.1	.55	.06	5.4
30	.41	.31	30	569	---	72	.23	1.4	2.3	.41	.08	1.7
31	.29	---	7.0	701	---	54	---	1.5	---	.34	.06	---
TOTAL	465.21	19.41	560.93	2905.74	624.0	2952.6	62.75	21.07	436.91	316.42	11.44	204.72
MEAN	15.0	.65	18.1	93.7	22.3	95.2	2.09	.68	14.6	10.2	.37	6.82
MAX	281	3.3	279	701	281	1310	27	4.4	244	99	2.7	119
MIN	.03	.23	.29	.94	1.3	1.1	.23	.16	.27	.34	.06	.06
CFSM	.33	.01	.40	2.08	.50	2.12	.05	.02	.32	.23	.01	.15
IN.	.38	.02	.46	2.40	.52	2.44	.05	.02	.36	.26	.01	.17

e Estimated

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1999, BY WATER YEAR (WY)

MEAN	36.8	45.3	85.3	161	152	114	141	65.1	49.5	35.6	42.8	32.8
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	.68	.45	.68	.37	.016
(WY)	1991	1982	1997	1981	1989	1982	1981	1999	1995	1995	1999	1990

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1973 - 1999

ANNUAL TOTAL	20153.82	8581.20	
ANNUAL MEAN	55.2	23.5	79.6
HIGHEST ANNUAL MEAN			142 1983
LOWEST ANNUAL MEAN			23.5 1999
HIGHEST DAILY MEAN	2850 Jan 7	1310 Mar 14	4270 Apr 22 1977
LOWEST DAILY MEAN	.02 Aug 4	.03 Oct 4	.00 Aug 20 1974
ANNUAL SEVEN-DAY MINIMUM	.07 Aug 14	.08 Aug 14	.00 Oct 3 1974
INSTANTANEOUS PEAK FLOW		1810 Mar 13	4730 Apr 6 1983
INSTANTANEOUS PEAK STAGE		17.02 Mar 13	23.24 Apr 6 1983
INSTANTANEOUS LOW FLOW		.02 Oct 3	.01 Aug 5 1998
INSTANTANEOUS LOW STAGE		^a 1.51 many days	^b 1.51 Aug 17 1999
ANNUAL RUNOFF (CFSM)	1.23	.52	1.77
ANNUAL RUNOFF (INCHES)	16.66	7.09	24.04
10 PERCENT EXCEEDS	78	34	160
50 PERCENT EXCEEDS	1.3	.84	4.1
90 PERCENT EXCEEDS	.15	.18	.37

a Occurred Aug. 17, 20, 29, 30, 31.

b Also occurred Aug. 20, 29, 30, 31, 1999.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.72	1.68	1.71	2.20	4.54	2.08	3.56	1.67	1.78	2.03	1.67	1.64
2	1.70	1.69	1.70	6.48	3.40	---	2.82	1.66	1.87	1.93	1.64	1.67
3	1.68	1.69	1.71	6.01	2.86	2.24	2.48	1.65	1.96	1.86	1.67	1.65
4	1.68	1.68	1.72	4.00	2.74	3.34	2.30	1.66	1.87	1.85	1.67	1.63
5	1.68	1.69	1.72	3.12	2.67	2.97	2.19	1.68	1.81	1.82	1.64	1.63
6	3.41	1.67	1.71	2.37	2.38	2.89	2.11	1.68	1.76	1.78	1.91	2.63
7	7.65	1.67	1.72	8.50	2.23	3.40	2.05	1.66	1.75	1.74	1.96	5.27
8	4.30	1.67	1.72	8.61	2.57	2.47	2.02	1.63	1.79	1.76	1.69	3.58
9	2.48	1.67	1.72	4.65	2.56	5.45	2.00	1.63	1.72	1.74	1.64	2.34
10	2.16	1.76	1.82	3.81	2.18	7.88	1.98	1.76	1.73	2.05	1.62	2.08
11	2.05	1.82	2.01	3.21	2.08	3.76	---	2.38	1.75	1.92	1.61	1.94
12	1.94	1.73	3.13	2.57	2.04	2.99	---	2.29	1.75	3.48	1.62	1.85
13	1.89	1.70	4.61	2.19	2.04	7.56	---	2.17	1.78	3.84	1.57	1.87
14	1.86	2.15	3.33	2.11	2.02	15.08	---	1.96	2.17	2.95	1.55	1.80
15	1.83	2.28	2.28	2.06	2.00	7.48	1.87	1.87	2.02	2.31	1.55	1.74
16	1.84	2.01	2.11	2.01	1.99	3.80	1.82	1.82	2.11	2.08	1.54	1.69
17	1.80	1.90	2.00	1.97	3.95	3.08	1.79	1.77	1.95	3.46	1.52	1.66
18	1.78	1.84	1.94	1.94	7.84	2.70	1.77	1.75	1.80	5.27	1.53	1.63
19	1.76	1.79	2.05	1.92	4.47	2.48	1.79	1.73	1.73	3.66	1.54	1.61
20	1.74	1.80	1.97	1.93	3.55	2.33	1.77	1.71	1.68	2.64	1.52	1.62
21	---	1.81	1.90	1.93	2.96	2.21	1.78	1.70	1.67	2.40	1.83	1.60
22	1.67	1.88	1.84	2.51	2.61	2.14	1.75	1.68	1.77	2.68	1.90	1.56
23	1.67	1.85	1.83	5.66	2.30	2.07	1.74	1.66	1.79	2.13	1.66	1.55
24	1.66	1.84	2.13	4.33	2.20	2.03	1.73	1.65	1.77	1.98	1.60	1.54
25	1.66	1.79	2.12	3.51	2.13	2.07	1.73	1.63	2.10	1.89	1.69	1.52
26	1.66	1.76	2.01	2.94	2.10	2.18	1.72	1.64	5.37	1.83	1.53	1.52
27	1.66	1.73	1.95	2.38	2.09	2.50	1.78	1.65	7.41	1.92	1.57	1.55
28	1.68	1.72	7.08	2.15	2.10	2.22	1.74	1.62	3.40	1.95	1.55	1.57
29	1.75	1.71	5.35	2.09	---	2.38	1.71	1.67	2.38	1.80	1.52	2.50
30	1.75	1.71	3.66	9.52	---	4.76	1.69	1.94	2.16	1.75	1.53	2.05
31	1.70	---	2.59	11.17	---	4.33	---	2.00	---	1.71	1.52	---
MAX	---	2.28	7.08	11.17	7.84	---	---	2.38	7.41	5.27	1.96	5.27
MIN	---	1.67	1.70	1.92	1.99	---	---	1.62	1.67	1.71	1.52	1.52

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, 1997, at datum 2.00 ft higher.

REMARKS.--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 rain gage at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	65	68	120	2660	259	472	69	153	81	e87	62
2	66	66	68	423	736	218	286	67	100	72	e75	72
3	67	68	68	727	370	219	208	67	83	66	e70	70
4	66	70	68	404	300	182	174	66	79	64	62	66
5	66	68	67	175	264	167	152	67	e75	62	59	65
6	117	65	67	135	241	150	136	67	e74	60	58	65
7	1620	65	66	756	216	144	126	65	e71	65	57	1310
8	715	65	66	1190	200	135	119	65	e70	66	56	820
9	210	65	68	395	188	946	113	64	e83	56	57	150
10	122	68	76	203	179	1110	108	67	103	77	58	101
11	102	81	88	148	171	359	103	224	75	75	53	82
12	93	81	91	125	165	247	98	177	69	150	56	73
13	87	75	325	113	157	e2990	93	150	81	175	71	67
14	83	119	280	106	151	e10200	90	98	166	196	65	64
15	80	115	119	102	147	e5190	89	81	85	112	62	61
16	78	199	98	98	145	3100	86	74	88	83	61	59
17	76	111	89	95	206	996	84	71	75	105	64	57
18	75	90	84	91	799	376	82	69	73	195	61	56
19	73	80	86	89	376	297	81	68	67	215	62	55
20	72	75	85	87	246	253	79	67	65	108	63	54
21	71	73	91	86	196	224	78	68	64	81	66	54
22	70	81	85	240	170	205	77	67	65	91	102	53
23	69	74	80	809	154	191	76	67	65	69	75	52
24	69	73	95	341	144	181	75	67	66	83	66	52
25	68	72	99	173	138	179	74	67	99	77	62	52
26	68	70	118	131	133	211	73	68	444	63	60	52
27	67	70	101	115	133	203	87	69	1190	59	63	52
28	67	70	616	107	140	173	74	68	342	e70	64	52
29	67	70	556	287	---	164	71	120	144	e577	59	131
30	66	69	404	2610	---	1230	69	187	100	e300	59	108
31	66	---	155	7360	---	1180	---	260	---	e94	60	---
TOTAL	4683	2413	4427	17841	9125	31679	3533	2851	4314	3647	1993	4067
MEAN	151	80.4	143	576	326	1022	118	92.0	144	118	64.3	136
MAX	1620	199	616	7360	2660	10200	472	260	1190	577	102	1310
MIN	66	65	66	86	133	135	69	64	64	56	53	52
CFSM	.53	.28	.50	2.03	1.15	3.60	.41	.32	.51	.41	.23	.48
IN.	.61	.32	.58	2.34	1.20	4.15	.46	.37	.57	.48	.26	.53

e Estimated

MISSISSIPPI RIVER DELTA

07378000 COMITE RIVER NEAR COMITE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1999, BY WATER YEAR (WY)

MEAN	227	267	553	907	960	813	854	478	264	231	233	207
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1945 - 1999

ANNUAL TOTAL	180967						90573					
ANNUAL MEAN	496						248			497		
HIGHEST ANNUAL MEAN										1096		1983
LOWEST ANNUAL MEAN										125		1963
HIGHEST DAILY MEAN	15300	Jan 7					10200	Mar 14		34400	Apr 7	1983
LOWEST DAILY MEAN	59	Aug 29					^a 52	many days		29	Oct 29	1963
ANNUAL SEVEN-DAY MINIMUM	61	Sep 3					52	Sep 22		29	Oct 28	1963
INSTANTANEOUS PEAK FLOW							12600	Mar 15		37000	Apr 7	1983
INSTANTANEOUS PEAK STAGE							20.86	Mar 15		30.64	May 19	1953
INSTANTANEOUS LOW FLOW							^b 51	Aug 10		28	Aug 1	1977
INSTANTANEOUS LOW STAGE							^c 1.27	Aug 10		*		
ANNUAL RUNOFF (CFSM)	1.75						.87			1.75		
ANNUAL RUNOFF (INCHES)	23.70						11.86			23.78		
10 PERCENT EXCEEDS	994						349			992		
50 PERCENT EXCEEDS	87						83			126		
90 PERCENT EXCEEDS	67						62			60		

a Occurred: Sep 23, 24, 25, 26, 27, 28.

b Also occurred Aug 11, Sep 26, 27, 28.

c Also occurred Aug 11.

* Not determined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.42	2.21	2.24	2.70	10.12	3.02	4.56	1.53	2.23	1.62	---	1.42
2	2.42	2.22	2.24	4.28	5.63	2.73	3.49	1.51	1.71	1.53	---	1.53
3	2.42	2.24	2.24	5.67	3.83	2.74	2.94	1.50	1.53	1.46	---	1.50
4	2.41	2.26	2.24	4.29	3.32	2.48	2.66	1.50	1.48	1.44	1.40	1.46
5	2.41	2.24	2.23	3.06	3.04	2.37	2.47	1.50	---	1.42	1.37	1.45
6	2.74	2.21	2.23	2.75	2.89	2.23	2.33	1.49	---	1.38	1.35	1.45
7	8.19	2.21	2.22	5.31	2.72	2.18	2.23	1.47	---	1.43	1.35	6.64
8	5.60	2.21	2.22	7.06	2.61	2.11	2.16	1.46	---	1.46	1.33	5.43
9	3.40	2.21	2.24	4.25	2.52	5.40	2.09	1.44	1.50	1.34	1.35	2.47
10	2.80	2.24	2.33	3.19	2.46	6.78	2.04	1.47	1.70	1.57	1.36	1.99
11	2.61	2.39	2.47	2.78	2.39	3.74	1.99	2.92	1.41	1.56	1.29	1.78
12	2.51	2.39	2.49	2.59	2.35	2.93	1.94	2.56	1.35	2.30	1.33	1.68
13	2.45	2.32	3.88	2.48	2.28	8.21	1.89	2.30	1.47	2.54	1.52	1.62
14	2.41	2.70	3.74	2.41	2.24	20.10	1.86	1.79	2.30	2.73	1.44	1.58
15	2.38	2.73	2.77	2.36	2.21	17.12	1.84	1.60	1.52	1.94	1.41	1.54
16	2.35	3.32	2.57	2.33	2.19	10.97	1.81	1.52	1.56	1.65	1.39	1.52
17	2.33	2.69	2.47	2.29	2.64	6.45	1.77	1.48	1.41	1.88	1.42	1.50
18	2.32	2.48	2.42	2.26	5.88	4.05	1.74	1.45	1.39	2.67	1.40	1.48
19	2.30	2.38	2.44	2.24	3.86	3.56	1.73	1.43	1.32	2.86	1.41	1.47
20	2.29	2.32	2.43	2.22	2.92	3.27	1.71	1.42	1.30	1.91	1.42	1.46
21	2.28	2.30	2.50	2.20	2.58	3.07	1.69	1.42	1.29	1.63	1.46	1.45
22	2.26	2.39	2.43	3.02	2.38	2.92	1.68	1.42	1.30	1.73	1.84	1.44
23	2.25	2.31	2.37	5.96	2.26	2.81	1.66	1.41	1.30	1.49	1.56	1.44
24	2.25	2.30	2.54	3.93	2.18	2.73	1.64	1.40	1.31	1.64	1.46	1.44
25	2.24	2.29	2.58	2.90	2.13	2.70	1.62	1.39	1.65	1.58	1.41	1.44
26	2.24	2.27	2.76	2.56	2.09	2.97	1.61	1.40	4.13	1.42	1.39	1.44
27	2.24	2.26	2.60	2.42	2.08	2.90	1.76	1.40	6.95	1.37	1.42	1.42
28	2.23	2.26	5.02	2.34	2.14	2.66	1.61	1.39	3.75	---	1.44	1.42
29	2.23	2.26	5.01	3.32	---	2.58	1.57	1.85	2.26	---	1.38	2.28
30	2.22	2.26	4.30	8.57	---	6.68	1.55	2.48	1.82	---	1.38	2.06
31	2.22	---	2.99	16.15	---	7.00	---	3.15	---	---	1.38	---
MAX	8.19	3.32	5.02	16.15	10.12	20.10	4.56	3.15	---	---	---	6.64
MIN	2.22	2.21	2.22	2.20	2.08	2.11	1.55	1.39	---	---	---	1.42

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 rain gage 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)
Feb. 1	0530	18,600	27.58	Mar. 15	1900	*38,900	*31.60

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	467	423	444	1200	17700	1850	2060	459	706	612	613	e393
2	458	424	444	1700	11900	2600	1640	458	512	526	530	405
3	465	424	444	2460	5600	1880	1400	455	441	508	508	402
4	452	425	444	3120	2470	1410	1200	454	433	519	494	395
5	452	427	445	2240	1940	1210	1060	454	431	531	494	391
6	486	425	447	1440	2410	1060	968	452	430	520	495	395
7	2510	425	447	1980	1830	965	905	451	430	484	497	1610
8	2670	426	447	3330	1460	930	873	449	429	696	498	2920
9	1500	427	446	2340	1280	1790	828	447	428	479	606	1040
10	897	428	456	1630	1150	4480	785	448	475	718	1110	585
11	683	492	570	1280	1060	3320	745	984	434	873	1060	469
12	589	497	817	1060	1000	2060	709	873	433	933	948	421
13	537	481	942	923	937	3390	671	818	433	1130	621	395
14	507	627	1710	840	869	17000	645	634	758	1380	546	378
15	487	844	1150	778	819	35700	627	513	505	969	546	365
16	475	1570	848	731	791	31500	605	460	443	662	545	354
17	462	1550	681	698	889	14700	586	435	441	714	548	346
18	451	983	596	672	2410	6100	568	432	416	780	547	340
19	444	713	589	644	2560	2870	553	432	410	1030	551	335
20	436	596	594	627	2010	2110	544	432	409	910	547	335
21	429	534	608	612	1450	1780	536	432	407	645	557	331
22	426	529	616	835	1150	1560	526	431	405	602	615	324
23	424	498	558	2710	990	1390	521	430	403	514	526	318
24	423	481	701	2250	892	1270	511	430	402	612	e432	316
25	423	469	667	1490	830	1210	504	430	422	739	e420	316
26	425	458	850	1090	787	1240	493	430	1460	536	e409	318
27	424	449	926	892	761	1200	516	430	2320	716	e408	318
28	424	446	1930	792	816	1110	493	430	2040	1300	e406	317
29	423	447	2440	1240	---	1060	474	436	1190	816	e402	435
30	423	445	2620	3930	---	2120	465	779	801	1290	e399	511
31	422	---	1680	12300	---	3150	---	1170	---	890	e394	---
TOTAL	20094	17363	26557	57834	68761	154015	23011	16368	19247	23634	17272	15778
MEAN	648	579	857	1866	2456	4968	767	528	642	762	557	526
MAX	2670	1570	2620	12300	17700	35700	2060	1170	2320	1380	1110	2920
MIN	422	423	444	612	761	930	465	430	402	479	394	316
CFSM	.51	.45	.67	1.46	1.92	3.88	.60	.41	.50	.60	.44	.41
IN.	.58	.50	.77	1.68	2.00	4.48	.67	.48	.56	.69	.50	.46

e Estimated

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1999, BY WATER YEAR (WY)

MEAN	897	1181	2356	3451	3961	3660	3503	2166	1285	1184	1076	1003
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1914 - 1999

ANNUAL TOTAL	880541	459934	
ANNUAL MEAN	2412	1260	2135
HIGHEST ANNUAL MEAN			4433
LOWEST ANNUAL MEAN			669
HIGHEST DAILY MEAN	46400	Jan 9	35700 Mar 15
LOWEST DAILY MEAN	388	Sep 9	316 Sep 24
ANNUAL SEVEN-DAY MINIMUM	395	Sep 4	318 Sep 22
INSTANTANEOUS PEAK FLOW			38900 Mar 15
INSTANTANEOUS PEAK STAGE			31.60 Mar 15
INSTANTANEOUS LOW FLOW			31.4 Sep 24
INSTANTANEOUS LOW STAGE			29.77 Sep 24
ANNUAL RUNOFF (CFSM)	1.88		.98
ANNUAL RUNOFF (INCHES)	25.59		13.37
10 PERCENT EXCEEDS	6580		2060
50 PERCENT EXCEEDS	713		589
90 PERCENT EXCEEDS	425		421

a Also occurred Sep 25, 1999.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.68	10.50	10.53	12.40	27.34	13.86	14.36	10.65	11.32	10.85	10.78	---
2	10.65	10.50	10.53	13.48	25.22	15.43	13.49	10.65	10.80	10.62	10.54	10.03
3	10.67	10.50	10.53	15.07	20.08	13.99	12.97	10.64	10.60	10.57	10.48	10.01
4	10.64	10.50	10.53	16.35	15.18	13.00	12.51	10.64	10.57	10.60	10.44	9.98
5	10.64	10.51	10.53	14.64	14.12	12.55	12.19	10.64	10.56	10.63	10.43	9.96
6	10.72	10.50	10.53	12.96	15.07	12.20	11.97	10.63	10.56	10.60	10.43	9.98
7	15.22	10.50	10.53	14.06	13.88	11.96	11.82	10.63	10.56	10.51	10.43	13.08
8	15.57	10.50	10.53	16.74	13.10	11.88	11.74	10.62	10.56	11.06	10.43	15.95
9	13.18	10.50	10.53	14.84	12.69	13.70	11.63	10.62	10.55	10.49	10.71	12.08
10	11.80	10.50	10.55	13.38	12.40	18.71	11.52	10.62	10.70	11.11	12.01	10.81
11	11.26	10.70	10.87	12.59	12.18	16.77	11.42	11.98	10.57	11.52	11.90	10.44
12	11.00	10.71	11.49	12.10	12.05	14.36	11.33	11.74	10.57	11.66	11.61	10.25
13	10.86	10.67	11.79	11.76	11.90	16.32	11.23	11.60	10.57	12.13	10.74	10.13
14	10.78	11.04	13.56	11.55	11.73	26.82	11.16	11.13	11.44	12.72	10.53	10.05
15	10.72	11.61	12.32	11.39	11.61	31.02	11.11	10.81	10.78	11.75	10.53	9.99
16	10.69	13.26	11.58	11.27	11.53	30.25	11.05	10.66	10.61	10.98	10.52	9.94
17	10.65	13.23	11.15	11.19	11.77	26.21	11.00	10.58	10.60	11.10	10.52	9.90
18	10.62	11.95	10.93	11.12	15.01	20.71	10.96	10.57	10.51	11.27	10.52	9.87
19	10.59	11.28	10.90	11.05	15.36	15.95	10.92	10.57	10.48	11.88	10.52	9.85
20	10.56	10.97	10.92	11.00	14.25	14.47	10.89	10.57	10.48	11.58	10.52	9.85
21	10.54	10.80	10.95	10.96	13.08	13.79	10.87	10.57	10.47	10.91	10.54	9.84
22	10.52	10.78	10.97	11.49	12.40	13.31	10.84	10.57	10.46	10.79	10.72	9.81
23	10.52	10.69	10.82	15.59	12.02	12.95	10.83	10.56	10.45	10.55	10.45	9.79
24	10.51	10.65	11.19	14.66	11.79	12.68	10.80	10.56	10.45	10.80	---	9.78
25	10.51	10.61	11.11	13.06	11.63	12.54	10.78	10.56	10.52	11.13	---	9.78
26	10.51	10.58	11.58	12.16	11.53	12.60	10.75	10.56	13.01	10.60	---	9.79
27	10.51	10.56	11.77	11.68	11.46	12.52	10.81	10.56	14.80	11.02	---	9.79
28	10.51	10.55	13.94	11.43	11.60	12.32	10.75	10.56	14.14	12.47	---	9.78
29	10.50	10.54	15.05	12.39	---	12.19	10.69	10.58	12.27	11.31	---	10.26
30	10.50	10.53	15.40	17.45	---	14.39	10.67	11.49	11.34	12.45	---	10.57
31	10.50	---	13.49	25.28	---	16.46	---	12.42	---	11.49	---	---
MAX	15.57	13.26	15.40	25.28	27.34	31.02	14.36	12.42	14.80	12.72	---	---
MIN	10.50	10.50	10.53	10.96	11.46	11.88	10.67	10.56	10.45	10.49	---	---

MISSISSIPPI RIVER DELTA

07378746 BAYOU MANCHAC AT ALLIGATOR BAYOU NEAR KLEINPETER, LA
(formerly 07380090 Alligator Bayou near 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 right side of Alligator Bayou Road and approximately 0.4 mile south of Interstate 10.

DRAINAGE AREA.--51.72 mi².

PERIOD OF RECORD.--December 1997 to current year (elevations only).

REVISIONS.--Daily values, maximum and minimum values reported for water year 1998 have been revised.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Gage is tide affected and affected by lock on Alligator Bayou. Rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 11.36 ft (revised), Jan. 12, 1998; minimum, 0.39 ft (revised), Dec. 16, 1997.

EXTREMES FOR CURRENT YEAR.--Water Year 1999: Maximum elevation, 7.94 ft, Mar. 17; minimum, not determined.

ELEVATION, IN FEET NAVD 1988, WATER YEAR DECEMBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				1.90	6.82	5.85	3.22	4.09	.99	.56	.40	1.15
2				1.87	6.73	5.81	2.85	2.99	.99	.54	.43	1.67
3				1.90	6.60	5.58	2.78	1.46	.99	.52	.52	2.00
4				1.49	6.47	5.31	2.27	1.01	.99	.50	.73	1.92
5				5.74	6.32	5.12	1.72	1.06	.99	.49	.72	1.64
6				6.90	6.18	5.04	1.58	1.35	1.12	.48	.73	1.59
7				9.61	6.07	6.82	1.58	1.31	1.03	.48	.78	1.55
8				9.57	5.98	7.23	1.57	1.00	1.07	.47	.83	1.46
9				10.35	5.91	7.05	1.12	1.04	1.25	.47	.75	1.46
10				11.01	5.89	6.71	1.00	1.05	.99	.46	.71	2.31
11				11.00	6.60	6.41	1.01	1.04	.89	.46	.70	5.61
12				11.02	6.46	6.11	1.01	1.01	.87	.45	.71	8.48
13				11.29	6.22	5.82	1.04	1.01	.86	.44	.72	8.26
14				11.12	5.99	5.63	1.13	1.08	.85	.43	.74	7.66
15				11.05	5.94	5.48	1.08	1.07	.83	.42	.76	6.91
16			-.38	10.62	6.53	5.42	1.31	1.01	.82	.40	.74	5.99
17			-.32	9.81	7.12	6.81	1.38	1.00	.80	.39	.88	5.46
18			-.26	9.06	6.95	6.63	1.50	1.00	.78	.38	1.29	5.21
19			-.20	8.50	6.72	6.56	1.64	1.00	.76	.36	.77	4.58
20			-.13	7.96	6.47	6.35	1.54	1.00	.74	.35	.81	3.92
21			1.29	7.51	6.16	6.08	1.38	1.00	.72	.33	1.28	3.40
22			1.71	8.29	6.52	5.70	1.00	1.00	.70	.32	1.73	2.82
23			1.67	8.40	6.70	5.45	1.00	1.00	.68	.31	1.72	3.22
24			3.17	8.33	6.51	5.27	1.00	1.00	.66	.59	1.41	2.61
25			3.22	8.35	6.27	5.11	1.00	1.00	.64	.33	1.19	3.37
26			2.70	8.44	6.09	4.99	1.01	.99	.67	.27	.84	2.75
27			4.05	8.47	5.99	4.86	1.15	1.03	.64	.26	.84	2.33
28			3.45	8.07	5.87	4.71	3.59	1.16	.60	.28	.85	2.83
29			3.57	7.73	---	4.52	4.69	1.28	.58	.31	.86	2.27
30			3.71	7.38	---	4.30	4.36	1.15	.57	.34	.87	1.87
31			2.58	7.07	---	3.73	---	1.02	---	.37	.91	---
MAX			---	11.29	7.12	7.23	4.69	4.09	1.25	.59	1.73	8.48
MIN			---	1.49	5.87	3.73	1.00	.99	.57	.26	.40	1.15

MISSISSIPPI RIVER DELTA

07378746 BAYOU MANCHAC AT ALLIGATOR BAYOU NEAR KLEINPETER, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA

LOCATION.-- Lat 30°22'56", long 91°05'39", in sec. 58, T. 8 S., R. 1 E, East Baton Rouge Parish, Hydrologic Unit 08070202, on upstream side of bridge on Bluebonnet Blvd., 0.25 mi north of intersection with Perkins Rd., Baton Rouge.

DRAINAGE AREA.--Approximately 15 sq mi.

PERIOD OF RECORD.--Water years 1998 to current year.

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
AUG 17...	1500	295	6.86	31.5	2.7	68	21	--	4.1	--
SEP 12...	1930	82	7.05	--	--	24	7.3	71	1.3	16
NOV 10...	0930	--	--	--	--	52	15	160	3.8	96
DEC 10...	1855	186	7.89	16.0	--	--	--	--	--	--
17...	1130	455	6.96	12.0	6.5	130	37	79	8.7	55
JAN 14...	1115	411	6.92	15.6	2.2	130	38	140	9.2	624
FEB 10...	0945	423	7.00	22.8	3.	110	32	130	7.9	540
MAR 11...	1115	411	7.02	20.9	4.0	98	29	95	6.6	860
25...	0845	512	7.23	21.0	1.0	110	32	120	7.8	810
APR 09...	1100	464	7.46	26.5	2.4	120	33	120	7.7	420
22...	1145	565	7.94	25.7	5.1	95	27	73	6.9	400
MAY 20...	0845	385	7.43	25.5	2.9	84	24	64	5.6	180
JUN 01...	0930	224	6.73	26.5	--	56	18	110	3.0	250
10...	1100	211	7.30	28.8	6.4	50	15	86	2.9	160
25...	0800	368	7.33	27.9	2.9	73	21	150	4.9	660
JUL 26...	1000	--	7.45	--	--	78	23	120	4.6	140
AUG 05...	0830	342	7.78	28.5	1.9	96	27	170	6.6	790
11...	1030	195	6.91	29.3	2.9	57	17	160	3.3	380
SEP 03...	0900	231	7.14	26.1	1.7	56	17	130	3.0	380

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
AUG 17...	--	--	90	--	--	20	--	--	--
SEP 12...	2.3	5.8	23	5.2	<.1	4.3	.13	.5	.55
NOV 10...	2.9	81	182	32	.3	10	1.8	2.6	.08
DEC 10...	--	--	--	--	--	--	--	--	--
17...	2.7	35	84	20	.1	98	1.2	1.8	.41
JAN 14...	2.7	35	105	16	.1	81	1.0	1.8	.08
FEB 10...	2.6	39	119	18	.2	55	1.2	1.9	<.05
MAR 11...	3.1	48	143	21	.1	34	1.5	2.4	.06
25...	3.2	54	124	38	.2	40	1.0	2.1	.05
APR 09...	2.9	54	156	22	.2	36	.82	1.6	.14
22...	3.0	86	210	39	.3	22	.64	1.6	.07
MAY 20...	2.7	51	143	20	.2	20	.11	.9	.12
JUN 01...	2.4	22	68	13	.1	15	.49	1.1	.6
10...	3.2	23	64	16	.1	7.7	.36	1	.50
25...	3.1	53	148	17	.3	17	1.5	2.6	<.05
JUL 26...	2.8	35	114	13	.1	26	.23	.9	.18
AUG 05...	2.8	32	88	<.1	.2	50	.93	1.9	<.05
11...	3.1	15	--	12	<.1	17	.56	1.2	.17
SEP 03...	2.8	22	--	14	<.1	17	.79	1.5	.09
DATE	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)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP 12...	.29	.24	.23	4.4	60	--	--	--	--
NOV 10...	.77	.66	.63	5.0	283	--	--	27	1.6
DEC 10...	--	--	--	--	--	--	720	--	--
17...	.31	.18	.16	17	298	270	370	1	<.1
JAN 14...	.40	.25	.23	18	290	--	--	1.1	.2
FEB 10...	.53	.23	.21	15	265	--	7350	2.7	.5
MAR 11...	.46	.37	.37	16	259	--	--	2.1	.2
25...	.62	--	.26	14	309	--	40400	9.8	.8
APR 09...	.41	.24	.18	16	290	1000	1000	5.5	.5
22...	.61	.35	.34	12	343	--	--	--	--
MAY 20...	.59	.44	.40	14	247	--	8900	9.8	1.1
JUN 01...	.43	.37	.30	8.9	147	--	--	4.4	.5
10...	.57	.40	.38	7.1	139	7200	5800	10	1
25...	.85	.62	.52	14	241	--	--	9.5	1.7
JUL 26...	.41	.33	.27	12	196	6000	11000	14	.5
AUG 05...	.72	.38	.34	21	240	--	>1000000	3.5	.3
11...	.54	.38	.36	11	128	K1500	K5000	6.9	.8
SEP 03...	.62	.47	.41	12	152	7000	8000	9.3	1.8

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

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

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	ALUMINUM, 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)	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)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)
DEC 17...	9	<1	2	90	<1	<1	3	<1	2	<1	--	5
JAN 1999												
14...	12	<1	4	84	<1	<1	<1	1	2	<1	<1	9
DATE	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)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)
DEC 17...	6	<1	<1	9	--	--	--	--	--	--	--	--
JAN 1999												
14...	6	4	<1	14	<.064	<.128	<.132	<.088	<.052	<.32	<.072	<.26
FEB 10...	--	--	--	--	<.064	<.128	<.132	<.088	<.052	<.32	<.072	<.26
DATE	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	2,4,5-T DIS- SOLVED (UG/L) (39742)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
NOV 10...	--	--	--	<.035	.57	<.24	--	--	<1.1	--	<.035	--
DEC 17...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
JAN 1999												
14...	<.136	<.064	<.156	<.035	<.15	<.24	<1.4	<1.4	<.014	<10	<.035	<2.4
FEB 10...	<.136	<.064	<.156	<.035	<.15	<.24	<1.4	<1.4	<.14	34.6	<.035	<2.4
MAR 11...	--	--	--	<.035	.23	<.24	--	--	<1.3	--	<.035	--
25...	--	--	--	<.035	.59	<.31	--	--	<.83	--	<.035	--
APR 09...	--	--	--	<.035	.49	<.24	--	--	<.014	--	<.035	--
DATE	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI- METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI- METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI- METHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)
NOV 10...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
DEC 17...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
JAN 1999												
14...	<.1	<.021	<.55	<.014	<.54	<.24	<.38	<.112	<.088	<.108	E.16	<.064
FEB 10...	<.1	<.021	<.55	<.014	<.54	<.24	<.38	<.112	<.088	<.108	.223	<.064
MAR 11...	<.63	<.39	<.55	<.014	--	--	--	--	--	--	--	--
25...	<2.0	<.99	<1.0	<.014	--	--	--	--	--	--	--	--
APR 09...	<.1	<.021	<3.5	<.014	--	--	--	--	--	--	--	--

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

E Estimated.

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	BENZENE TOTAL (UG/L) (34030)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	BROMO- FORM TOTAL (UG/L) (32104)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)
	NOV 10...	--	--	--	--	--	<3.0	--	--	--	<.035	<.12
	DEC 17...	--	--	--	--	--	--	<1.1	--	--	--	<.035
JAN 1999 14...	<.38	<.084	<.096	<.096	<.2	<.2	<.41	<.072	<.2	<.2	<.035	<.12
FEB 10...	<.38	<.084	<.096	<.096	<.2	<.2	<.035	<.072	<.2	<.2	<.035	<.12
MAR 11...	--	--	--	--	--	--	<2.0	--	--	--	<.035	<.12
25...	--	--	--	--	--	--	<.13	--	--	--	<.035	<.12
APR 09...	--	--	--	--	--	--	.95	--	--	--	<.035	<.12
DATE	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CHLORO- BENZENE TOTAL (UG/L) (34301)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- ETHANE TOTAL (UG/L) (34311)	CHLORO- FORM TOTAL (UG/L) (32106)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	
NOV 10...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
DEC 17...	--	<.42	--	--	--	--	--	--	<.71	<.017	--	
JAN 1999 14...	<.176	<.42	<.056	<.36	<.24	E.061	<.076	<.18	<.60	<.017	<.42	
FEB 10...	<.176	<.42	<.056	<.36	<.24	E.103	<.076	<.18	<.23	<.017	<.42	
MAR 11...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
25...	--	<.42	--	--	--	--	--	--	<.33	<.017	--	
APR 09...	--	<.42	--	--	--	--	--	--	<.23	<.13	--	
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	
NOV 10...	--	<.035	<1.2	--	--	<.032	--	<.035	<.02	<.42	--	
DEC 10...	--	--	--	--	--	--	--	--	--	--	--	
17...	--	<.035	<1.2	--	--	<.032	--	<.035	<.02	<.42	--	
JAN 1999 14...	<.1	<.035	<1.2	<.096	<.28	<.032	<.196	<.035	<.02	<.42	<.088	
FEB 10...	<.1	<.11	<1.2	<.096	<.28	<.032	<.196	<.035	<.02	<.42	<.088	
MAR 11...	--	<.035	<1.2	--	--	<.032	--	<.035	<.53	<.42	--	
25...	--	<.035	<1.2	--	--	.36	--	<.035	.34	<.42	--	
APR 09...	--	<.035	<1.2	--	--	<.032	--	<.035	.30	<.42	--	

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

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	ETHANE, 1,1,2,2- TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL- BENZENE TOTAL (UG/L) (34371)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)
NOV 10...	--	--	--	--	--	--	<.49	<.035	--	--	--
DEC 17...	--	--	--	--	--	--	<.013	<.035	--	--	--
JAN 1999 14...	<.26	<.72	<.34	<.108	<.22	<.06	<.02	<.035	<.064	<.18	<.28
FEB 10...	<.26	<.72	<.34	<.108	<.22	<.06	<.02	<.035	<.064	<.18	<.28
MAR 11...	--	--	--	--	--	--	<.013	<.035	--	--	--
25...	--	--	--	--	--	--	<.15	<.035	--	--	--
APR 09...	--	--	--	--	--	--	<.013	<.21	--	--	--
DATE	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)
NOV 10...	--	<.018	<.17	<.14	--	--	--	--	<.59	<.64	--
DEC 17...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
JAN 1999 14...	<.4	<.018	<.17	<.14	<.56	<.7	<.14	<.088	<.026	<.017	<.28
FEB 10...	<.4	<.018	<.17	<.14	<.56	<.7	<.14	<.088	<.026	<.81	<.28
MAR 11...	--	<.42	<.17	<.14	--	--	--	--	<.026	<.017	--
25...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.37	--
APR 09...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.29	--
DATE	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)
NOV 10...	--	--	--	--	--	--	--	--	--	<.015	<.024
DEC 17...	--	--	--	--	--	--	--	--	--	<.015	<.024
JAN 1999 14...	<.42	<.34	<.3	<.5	<.76	<.32	<.74	<.12	<.5	<.015	<.024
FEB 10...	<.42	<.34	<.3	<.5	<.76	<.32	<.74	<.12	<.5	<.015	<.024
MAR 11...	--	--	--	--	--	--	--	--	--	<.38	<.024
25...	--	--	--	--	--	--	--	--	--	<.015	<.024
APR 09...	--	--	--	--	--	--	--	--	--	<.015	<.024

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

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	1,3-DI-CHLORO-PROPANE WAT. WH TOTAL (UG/L) (77173)	PROPENE 3-CHLORO-WATER UNFLTRD RECOVER (UG/L) (78109)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS-SOLVED (UG/L) (39762)
NOV 10...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
DEC 17...	--	<.31	<.034	--	<.05	--	--	--	<.035	<.035	<.021
JAN 1999 14...	<.084	<.31	<.018	<.12	<.05	E.020	<.24	<.4	<.035	<.380	<.050
FEB 10...	<.084	<.31	<.018	<.12	<.05	E.045	<.24	<.4	<.035	<.035	<.021
MAR 11...	--	<1.4	<.96	--	<.05	--	--	--	<.035	<.035	<.021
25...	--	<.31	<.16	--	<.05	--	--	--	<.035	<.260	<.021
APR 09...	--	<.40	<.29	--	<.05	--	--	--	<.035	<.250	<.021
DATE	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	TOLUENE TOTAL (UG/L) (34010)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	VINYL CHLORIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
NOV 10...	--	--	--	--	--	--	--	--	<.25	--	--
DEC 10...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	<.25	--	<1
JAN 1999 14...	<.084	<.2	<.2	<.112	E.13	<.26	<.076	<.18	<.25	<.22	<1
FEB 10...	<.084	<.2	<.2	<.112	.334	<.26	<.076	<.18	<.25	<.22	--
MAR 11...	--	--	--	--	--	--	--	--	<.25	--	--
25...	--	--	--	--	--	--	--	--	<.25	--	--
APR 09...	--	--	--	--	--	--	--	--	<.25	--	--

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

E Estimated.

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD, GF 0.7 U REC (UG/L) (49310)
AUG 1998											
17...	--	8.1	--	--	--	--	--	--	--	--	--
SEP											
12...	--	--	--	<.003	<.002	<.002	<.002	.084	<.002	<.002	--
NOV											
10...	--	7.9	1	<.003	<.002	<.002	<.002	.142	<.002	<.002	<.008
DEC											
17...	--	8.6	.4	<.003	<.002	<.002	<.002	.248	<.002	<.002	<.008
JAN 1999											
14...	<.74	9.1	.5	<.003	<.002	<.002	<.002	.191	<.002	<.002	<.008
FEB											
10...	<.74	9.2	1.0	<.003	<.002	<.002	<.002	.150	<.002	<.002	<.008
MAR											
11...	--	9.9	.6	<.003	<.002	<.002	<.002	1.30	<.002	<.002	<.008
25...	--	9.4	.5	<.003	<.002	<.002	<.002	1.14	<.002	<.002	<.008
APR											
09...	--	9.6	1.6	<.003	<.002	<.002	<.002	.886	<.002	<.002	<.008
22...	--	10	.4	<.003	<.002	<.002	<.002	.829	<.002	<.002	--
MAY											
20...	--	9.0	1.5	<.003	<.002	<.002	<.002	.837	<.002	<.002	--
JUN											
01...	--	--	1.9	<.003	<.002	<.002	<.002	.804	<.002	<.002	--
10...	--	9.5	1.1	<.003	<.002	<.002	<.002	.938	E.002	<.002	--
25...	--	12	1.6	<.003	<.002	<.002	<.002	.235	<.002	<.002	--
JUL											
26...	--	8.1	.7	<.003	<.002	<.002	<.002	.122	<.002	<.002	--
AUG											
05...	--	14	1.0	<.003	<.002	<.002	<.002	.050	<.002	<.002	--
11...	--	9.9	.8	<.003	<.002	<.002	<.002	.191	<.002	<.002	--
SEP											
03...	--	11	1.2	<.003	<.002	<.002	<.002	.139	<.002	<.002	--
DATE	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
SEP 1998											
12...	E.094	<.003	--	.010	<.004	<.002	E.005	.079	<.001	<.017	<.002
NOV											
10...	E.030	<.003	<.48	.008	<.004	<.002	E.009	.028	<.001	<.017	.008
DEC											
17...	E.024	<.003	<.48	.008	<.004	<.002	E.021	.106	<.001	<.017	.009
JAN 1999											
14...	E.008	<.003	<.48	.010	<.004	<.002	E.021	.022	<.001	<.017	.008
FEB											
10...	<.003	<.003	<.48	.008	<.004	<.002	E.014	.019	<.001	<.017	.010
MAR											
11...	E.028	<.003	<.48	.008	<.004	<.002	--	.138	<.001	<.017	.008
25...	E.005	<.003	<.48	.008	<.004	<.002	E.053	.029	<.001	<.017	.010
APR											
09...	<.003	<.003	<.48	E.004	<.004	<.002	E.044	.096	<.001	<.017	.004
22...	<.003	<.003	<.048	.004	<.004	<.002	E.055	.021	<.001	<.017	.005
MAY											
20...	E.007	<.003	<.048	<.004	<.004	<.002	E.034	.016	<.001	<.017	<.002
JUN											
01...	E.187	<.003	<.048	.012	<.004	<.002	E.053	.213	<.001	<.017	<.002
10...	E.333	<.003	--	.028	<.004	<.002	E.072	.978	<.001	<.017	.043
25...	<.003	<.003	<.048	<.004	<.004	<.002	E.037	.030	<.001	<.017	<.002
JUL											
26...	E.033	<.003	--	.009	<.004	<.002	E.016	.041	<.001	<.017	.007
AUG											
05...	<.020	<.003	<.048	<.004	<.004	<.002	E.008	E.032	<.001	<.017	<.002
11...	E.180	<.003	--	.016	<.004	<.002	E.009	.095	<.001	<.017	<.005
SEP											
03...	E.053	<.003	--	.008	<.004	<.002	E.012	.094	<.001	<.017	<.002

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

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
SEP 1998										
12...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.003	<.004
NOV										
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.004	<.004
DEC										
17...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.019	<.004
JAN 1999										
14...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.007	<.004
FEB										
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.006	<.004
MAR										
11...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.009	<.004
25...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.005	<.004
APR										
09...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.010	<.004
22...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.011	<.004
MAY										
20...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.008	<.004
JUN										
01...	<.004	<.003	<.003	<.010	<.002	<.005	<.001	<.006	.077	<.004
10...	<.004	<.003	<.003	.015	<.002	.041	<.001	<.006	.083	<.004
25...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.021	<.004
JUL										
26...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.010	<.004
AUG										
05...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
11...	<.004	<.003	<.003	<.004	<.002	<.01	<.001	<.006	.315	<.004
SEP										
03...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.023	<.004
DATE	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
SEP 1998										
12...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
NOV										
10...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.016	<.003
DEC										
17...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.012	<.003
JAN 1999										
14...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.008	<.003
FEB										
10...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAR										
11...	<.004	<.003	<.006	<.004	<.004	.015	<.005	<.002	E.011	<.003
25...	<.004	<.003	<.006	<.004	<.004	<.015	<.005	<.002	E.008	<.003
APR										
09...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.024	<.003
22...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.026	<.003
MAY										
20...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.019	<.003
JUN										
01...	<.004	<.003	<.006	<.004	<.004	<.020	<.005	<.002	.051	<.003
10...	<.004	<.003	<.006	<.004	<.004	<.015	<.005	<.002	.145	<.003
25...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.032	<.003
JUL										
26...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.087	<.003
AUG										
05...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.157	<.003
11...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.031	<.003
SEP										
03...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.176	<.003

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

MISSISSIPPI RIVER DELTA

07379960 DAWSON CREEK AT BLUEBONNET BLVD. AT BATON ROUGE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
SEP 1998										
12...	<.007	<.004	<.013	.007	<.010	<.007	<.013	<.002	<.001	<.002
NOV										
10...	<.007	<.004	<.013	.405	<.010	<.007	<.013	<.002	<.001	<.002
DEC										
17...	<.007	<.004	<.013	.167	E.007	<.007	<.013	<.002	<.001	<.002
JAN 1999										
14...	<.007	<.004	<.013	.080	.010	<.007	<.013	<.002	<.001	<.002
FEB										
10...	<.007	<.004	<.013	.029	.010	<.007	<.013	<.002	<.001	<.002
MAR										
11...	<.007	<.004	<.013	.206	<.020	<.007	<.013	<.002	<.001	<.002
25...	<.007	<.004	<.013	.070	.011	<.007	<.013	<.002	<.001	<.002
APR										
09...	<.007	<.004	<.013	.044	<.010	<.007	<.013	<.002	<.001	<.002
22...	<.007	<.004	<.013	.055	<.010	<.007	<.013	<.002	<.001	<.002
MAY										
20...	<.007	<.004	<.013	.046	<.010	<.007	<.013	<.002	<.001	<.002
JUN										
01...	<.007	<.004	<.013	.198	<.010	<.007	<.013	<.002	<.001	<.002
10...	<.007	<.004	<.013	.096	<.010	<.007	--	<.002	<.001	E.002
25...	<.007	<.004	<.013	.031	<.010	<.007	<.013	<.002	<.001	<.002
JUL										
26...	<.007	<.004	<.013	.077	<.010	<.007	<.013	<.002	<.001	<.002
AUG										
05...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
11...	<.007	<.004	<.013	.060	E.006	<.007	<.013	<.002	<.001	E.003
SEP										
03...	<.007	<.004	<.013	.076	<.010	<.007	<.013	<.002	<.001	<.002

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

E Estimated.

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 rain gage 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, 9.78 ft, Mar. 17; minimum elevation recorded, 0.95 ft, Dec. 18.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.46	2.19	1.51	1.57	4.58	1.33	2.57	2.40	2.03	1.29	1.30	---
2	2.37	2.37	1.49	2.28	5.88	1.66	2.42	2.27	2.18	1.47	1.50	---
3	2.38	1.95	1.57	1.88	5.17	1.61	2.29	2.14	2.19	1.83	1.56	---
4	2.29	2.16	1.83	1.58	2.92	1.46	2.43	2.29	1.96	2.42	1.73	---
5	2.42	2.17	1.84	1.42	2.17	2.01	2.42	2.71	1.73	2.60	1.86	---
6	2.75	1.82	1.83	1.39	2.34	1.98	2.32	2.78	1.93	2.62	1.75	---
7	3.12	1.76	1.86	1.93	1.93	1.88	2.02	2.45	2.31	2.17	1.83	---
8	3.05	1.90	1.78	2.16	1.58	2.51	1.87	2.38	2.36	1.98	1.92	---
9	2.80	1.83	1.69	2.12	1.55	2.78	1.60	2.44	2.36	2.09	1.70	---
10	2.58	2.10	2.06	1.71	1.69	2.88	1.43	2.53	2.09	2.17	2.11	---
11	2.34	---	2.24	1.48	1.82	2.79	1.57	---	1.72	2.04	1.43	---
12	2.14	---	2.56	1.43	1.69	2.83	1.59	---	1.71	1.89	1.25	---
13	1.94	2.34	1.83	1.48	1.31	3.21	1.79	---	1.85	1.64	1.15	---
14	2.01	2.48	1.24	1.66	1.28	4.02	2.18	---	1.79	1.59	1.08	---
15	2.23	2.23	1.09	1.67	1.54	6.34	1.97	---	2.21	1.69	1.13	---
16	2.72	2.15	1.05	1.78	1.77	9.56	1.33	---	1.97	1.90	1.76	1.87
17	3.08	1.99	1.00	1.77	2.01	9.45	1.20	---	1.94	2.15	1.83	1.76
18	3.19	1.86	.98	1.74	2.11	7.22	1.07	2.10	2.15	2.37	1.36	1.84
19	3.05	1.94	1.36	1.72	1.93	4.01	1.00	2.05	2.26	2.41	1.15	2.13
20	2.77	1.86	1.65	1.68	1.65	2.24	.98	2.06	2.58	2.30	1.24	2.63
21	2.65	1.93	1.76	1.66	1.70	1.75	.97	1.91	2.75	1.91	---	2.85
22	2.61	2.46	1.66	2.05	1.34	1.68	1.19	1.85	2.64	1.57	---	2.65
23	2.83	2.46	1.73	2.52	1.50	1.81	1.89	1.65	2.25	1.32	---	2.36
24	3.10	2.15	1.73	1.85	1.38	1.79	1.92	1.37	1.97	1.32	---	2.24
25	2.87	1.85	1.55	1.44	1.37	1.70	1.60	1.35	1.86	1.52	---	2.27
26	2.66	1.60	1.44	1.33	1.47	1.65	1.65	1.41	3.09	1.43	---	2.42
27	---	1.37	1.52	1.44	1.58	1.76	1.89	1.10	2.78	1.70	---	2.58
28	2.42	1.29	2.03	1.61	1.44	2.13	1.61	1.29	2.23	2.31	---	2.67
29	2.46	1.31	1.86	2.02	---	2.34	1.68	1.58	1.69	1.61	---	2.55
30	2.45	1.56	1.59	2.61	---	2.49	1.90	1.91	1.33	1.44	---	2.45
31	2.30	---	1.48	3.27	---	2.94	---	2.04	---	1.24	---	---
MAX	---	---	2.56	3.27	5.88	9.56	2.57	---	3.09	2.62	---	---
MIN	---	---	.98	1.33	1.28	1.33	.97	---	1.33	1.24	---	---

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. 1-7; Dec. 19, 20; Jan. 10; Feb. 25-28; Mar. 1-3, 12; Apr. 9-Sept. 23. Satellite telemetry and rain gage 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 discharge recorded, 33,900 ft³/s, Mar. 17; maximum elevation, 6.71 ft, Mar. 17; maximum negative discharge recorded, -1,800 ft³/s, Apr. 1; minimum elevation, -0.07 ft, Apr. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.19	1.92	1.22	1.32	2.85	1.04	2.22	2.15	1.76	1.05	.98	2.24
2	2.11	2.11	1.23	1.82	3.41	---	2.11	2.02	1.92	1.26	1.17	2.71
3	2.11	1.65	1.34	1.40	3.24	---	2.00	1.89	1.93	1.60	1.27	2.48
4	2.02	1.91	1.60	1.10	2.18	1.12	2.15	2.04	1.68	2.15	1.51	2.11
5	2.14	1.91	1.57	.93	1.84	1.73	2.15	2.46	1.48	2.36	1.60	1.75
6	2.46	1.47	1.58	.99	1.99	1.67	2.05	2.53	1.69	2.34	1.48	1.28
7	2.72	1.52	1.60	1.29	1.56	1.61	1.72	2.20	2.04	1.89	1.56	1.29
8	2.66	1.60	1.51	1.57	1.16	2.23	1.57	2.14	2.09	1.70	1.60	1.58
9	2.48	1.55	1.45	1.67	1.21	2.51	1.19	2.19	2.07	1.81	1.31	1.49
10	2.30	1.79	1.82	1.30	1.40	2.37	1.09	2.27	1.80	1.91	1.46	1.55
11	2.07	1.91	1.98	1.04	1.56	2.28	1.29	2.30	1.45	1.75	.99	1.77
12	1.86	2.16	2.27	1.02	1.36	2.48	1.34	2.24	1.43	1.52	.77	1.97
13	1.66	2.12	1.47	1.14	.78	2.85	1.58	1.77	1.51	1.30	.44	2.26
14	1.72	2.06	.77	1.39	.86	3.00	1.93	1.58	1.51	1.30	.39	2.17
15	1.96	1.85	.66	1.42	1.28	3.68	1.67	1.82	1.66	1.40	1.03	1.96
16	2.45	1.84	.67	1.54	1.52	5.96	.88	2.03	1.57	1.61	1.64	1.68
17	2.81	1.60	.35	1.54	1.76	6.33	.62	2.06	1.61	1.83	1.53	1.55
18	2.92	1.55	.63	1.49	1.79	4.80	.14	1.91	1.88	1.99	.95	1.64
19	2.79	1.65	1.19	1.46	1.48	2.81	.19	1.79	2.00	1.93	.90	1.91
20	2.51	1.58	1.41	1.41	1.30	1.61	.23	1.79	2.32	1.96	1.06	2.42
21	2.39	1.68	1.54	1.40	1.32	1.18	.40	1.65	2.48	1.62	1.19	2.64
22	2.35	2.20	1.44	1.81	.97	1.30	1.07	1.57	2.37	1.18	1.26	2.44
23	2.57	2.23	1.52	2.09	1.19	1.46	1.64	1.33	1.98	.91	1.30	2.14
24	2.83	1.89	1.42	1.43	1.03	1.46	1.66	1.08	1.71	1.06	1.38	2.02
25	2.61	1.57	1.28	.98	1.11	1.34	1.32	1.19	1.49	1.24	1.35	2.05
26	2.40	1.21	1.15	.94	1.28	1.32	1.42	1.04	2.12	1.07	1.14	2.20
27	2.24	1.04	1.30	1.12	---	1.50	1.66	.81	2.07	1.19	1.03	2.37
28	2.16	.98	1.68	1.35	---	1.87	1.35	1.13	1.68	1.49	1.30	2.46
29	2.20	1.08	1.45	1.76	---	2.06	1.46	1.34	1.16	1.16	1.45	2.33
30	2.19	1.32	1.15	2.09	---	2.18	1.66	1.61	.86	.95	1.51	2.23
31	2.03	---	1.14	2.40	---	2.50	---	1.69	---	.92	1.71	---
MAX	2.92	2.23	2.27	2.40	---	---	2.22	2.53	2.48	2.36	1.71	2.71
MIN	1.66	.98	.35	.93	---	---	.14	.81	.86	.91	.39	1.28

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 current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Stage affected by wind and tide. Rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.09 ft, Jan. 10, 1998; minimum recorded, -0.74 ft, Apr. 20, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.33 ft, Mar. 17; minimum recorded, -0.74 ft, Apr. 20.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.37	1.09	.40	.51	1.94	.17	1.38	1.32	.96	.22	.17	1.42
2	1.28	1.28	.41	1.14	2.46	.44	1.27	1.20	1.11	.43	.37	1.87
3	1.28	.81	.51	.58	2.34	.25	1.15	1.07	1.13	.77	.45	1.65
4	1.19	1.08	.77	.28	1.34	.32	1.31	1.22	.89	1.32	.69	1.28
5	1.32	1.08	.74	.10	1.01	.89	1.31	1.63	.69	1.52	.77	.92
6	2.09	.64	.75	.17	1.15	.84	1.28	1.71	.90	1.50	.66	.47
7	2.17	.69	.77	.49	.71	.79	.88	1.38	1.25	1.05	.74	.48
8	1.82	.77	.69	.74	.32	1.40	.73	1.32	1.30	.88	.77	.75
9	1.64	.71	.62	.85	.38	1.67	.35	1.37	1.27	.97	.48	.67
10	1.47	.98	.99	.47	.56	1.52	.25	1.47	1.00	1.07	.63	.73
11	1.24	1.09	1.15	.21	.72	1.44	.45	1.49	.66	.91	.17	.95
12	1.03	1.33	1.43	.19	.54	1.65	.50	1.43	.64	.74	-.05	1.15
13	.83	1.29	.64	.31	---	2.02	---	.96	.72	.47	-.33	1.43
14	.90	1.37	---	.57	.22	2.14	1.09	.76	.72	.47	-.38	1.34
15	1.14	1.04	---	.58	.45	2.64	.83	1.00	.88	.57	.21	1.14
16	1.63	1.02	---	.70	.68	4.38	---	1.21	.79	.78	.81	.86
17	1.98	.76	---	.70	.93	5.17	---	1.25	.82	1.00	.70	.72
18	2.09	.72	---	.65	.95	3.95	---	1.10	1.10	1.18	.13	.81
19	1.96	.83	.37	.62	.63	2.07	---	.98	1.22	1.10	.08	1.08
20	1.67	.76	.60	.57	.47	.77	-.62	.98	1.54	1.12	.24	1.60
21	1.56	.86	.72	.55	.49	.34	-.44	.84	1.70	.78	.37	1.81
22	1.52	1.38	.61	.95	.15	.47	.23	.77	1.42	.35	.44	1.61
23	1.74	1.39	.67	1.25	.35	.62	.80	.53	1.20	.08	.48	1.31
24	2.00	1.05	.60	.58	.21	.61	.83	.27	.93	.24	.56	1.19
25	1.77	.74	.46	.16	.23	.51	.50	.39	.71	.41	.52	1.23
26	1.57	.40	.32	.10	.35	.48	.59	.24	2.40	.24	.33	1.38
27	1.42	.21	.48	.29	.48	.66	.83	.02	1.22	1.22	.21	1.54
28	1.33	.15	.91	.53	.28	1.04	.52	.33	.82	.87	.49	1.63
29	1.37	.25	.62	.92	---	1.23	.63	.55	.31	.34	.63	1.51
30	1.35	.49	.32	1.24	---	1.34	.84	.96	.04	.14	.69	1.40
31	1.20	---	.32	1.54	---	1.65	---	.90	---	.10	.92	---
MAX	2.17	1.39	---	1.54	---	5.17	---	1.71	2.40	1.52	.92	1.87
MIN	.83	.15	---	.10	---	.17	---	.02	.04	.08	-.38	.47

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 (elevations only). Previous stage data was collected at a nearby site (Station number 8522509) by the U.S. Army Corp. 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 rain gage 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, 2.65 ft, Mar. 17; minimum recorded, -0.59 ft, Apr. 18.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.68	1.40	.70	.78	1.64	.45	1.64	1.61	1.23	.51	.44	---
2	1.59	1.59	.71	1.22	1.80	.66	1.55	1.48	1.39	.72	.63	---
3	1.59	1.13	.81	.72	1.77	.41	1.45	1.35	1.40	1.06	.74	---
4	1.50	1.39	1.08	.37	1.38	.57	1.61	1.51	1.15	1.62	.97	---
5	1.63	1.38	1.05	.24	1.27	1.19	1.61	1.92	.95	1.82	1.06	---
6	1.91	.94	1.05	.41	1.40	1.14	1.51	2.00	1.16	1.80	.95	---
7	2.08	1.00	1.07	.68	.98	1.08	1.18	1.67	1.51	1.34	1.04	---
8	1.97	1.08	.99	.85	.59	1.70	1.03	1.61	1.55	1.15	1.06	---
9	1.88	1.02	.92	1.03	.66	1.98	.65	1.66	1.53	1.28	.75	---
10	1.76	1.27	1.29	.70	.86	1.68	.56	1.74	1.26	1.38	.81	---
11	1.53	1.39	1.46	.46	1.02	1.63	.75	1.74	.92	1.21	.44	---
12	1.34	1.64	1.74	.47	.81	1.90	.80	1.70	.90	.97	.21	---
13	1.13	1.60	.94	.61	.22	2.29	1.04	1.23	.97	.75	-.10	---
14	1.20	1.50	.19	.86	.31	2.10	1.39	1.05	.97	.76	-.20	---
15	1.44	1.30	.11	.88	.75	1.90	1.14	1.29	1.07	.86	---	---
16	1.93	1.29	.14	1.00	.99	2.32	.34	1.49	1.02	1.08	---	---
17	2.29	1.03	-.18	1.00	1.22	2.61	.08	1.53	1.07	1.30	---	---
18	2.40	1.02	.12	.96	1.22	2.38	-.39	1.38	1.34	1.44	---	---
19	2.27	1.13	.67	.92	.83	1.65	-.34	1.25	1.47	1.38	---	---
20	1.98	1.06	.90	.87	.71	.94	-.30	1.26	1.79	1.42	---	---
21	1.87	1.15	1.02	.85	.75	.57	-.13	1.12	1.95	1.08	---	---
22	1.82	1.68	.90	1.26	.42	.74	.54	1.05	1.83	.64	---	---
23	2.04	1.70	.96	1.48	.65	.91	1.10	.81	1.45	.37	---	---
24	2.31	1.35	.89	.80	.49	.91	1.12	.55	1.18	.52	---	---
25	2.09	1.04	.75	.40	.53	.79	.79	.66	.94	.69	---	---
26	1.88	.71	.62	.38	.65	.76	.89	.50	1.41	.52	---	---
27	1.73	.52	.78	.58	.79	.95	1.13	.29	1.37	.58	---	---
28	1.64	.45	1.11	.82	.57	1.33	.82	.60	1.02	.78	---	---
29	1.68	.56	.83	1.22	---	1.53	.93	.81	.55	.61	---	---
30	1.67	.80	.48	1.48	---	1.61	1.12	1.06	.31	.38	---	---
31	1.52	---	.57	1.54	---	1.88	---	1.13	---	.37	---	---
MAX	2.40	1.70	1.74	1.54	1.80	2.61	1.64	2.00	1.95	1.82	---	---
MIN	1.13	.45	-.18	.24	.22	.41	-.39	.29	.31	.37	---	---

MISSISSIPPI RIVER DELTA

07380215 AMITE RIVER AT STATE HIGHWAY 22 NEAR MAUREPAS, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.28	2.06	1.37	1.44	1.91	1.10	2.25	2.28	1.90	1.21	1.11	2.47
2	2.21	2.24	1.38	1.82	1.85	1.27	2.16	2.13	2.06	1.41	1.30	2.95
3	2.23	1.76	1.48	1.19	1.92	.92	2.10	2.01	2.05	1.73	1.40	2.61
4	2.14	2.02	1.74	.76	1.83	1.22	2.25	2.22	1.80	2.31	1.64	2.23
5	2.30	2.00	1.72	.72	1.93	1.87	2.26	2.73	1.61	2.49	1.74	---
6	2.58	1.54	1.73	1.03	2.00	1.78	2.14	2.69	1.82	2.42	1.63	---
7	2.62	1.63	1.76	1.26	1.63	1.71	1.83	2.31	2.18	1.97	1.71	---
8	2.41	1.74	1.65	1.37	1.24	2.42	1.71	2.26	2.21	1.81	1.74	---
9	2.42	1.70	1.58	1.50	1.33	2.67	1.33	2.32	2.19	1.96	1.46	1.55
10	2.35	1.95	1.92	1.28	1.52	2.20	1.25	2.40	1.90	2.05	1.39	1.69
11	2.14	2.02	2.14	1.08	1.70	2.20	1.41	2.37	1.58	1.87	1.11	1.93
12	1.96	2.29	2.40	1.11	1.37	2.56	1.45	2.35	1.56	1.61	.87	2.15
13	1.78	2.23	1.54	1.28	.83	2.96	1.70	1.86	1.62	1.40	.57	2.42
14	1.86	2.12	.77	1.52	.96	2.33	2.10	1.71	1.63	1.42	.56	2.28
15	2.10	1.91	.75	1.54	1.42	1.51	1.79	1.96	1.69	1.52	1.18	2.06
16	2.65	1.93	.81	1.66	1.66	1.50	.99	2.16	1.67	1.76	1.77	1.78
17	3.04	1.66	.48	1.68	1.88	1.81	.72	2.20	1.70	1.96	1.65	1.68
18	3.09	1.67	.81	1.63	1.87	1.88	.28	2.03	1.98	2.10	1.09	1.79
19	2.91	1.78	1.36	1.59	1.38	1.76	.34	1.89	2.13	2.04	1.06	2.09
20	2.56	1.70	1.58	1.55	1.32	1.46	.38	1.91	2.48	2.08	1.22	2.65
21	2.47	1.78	1.70	1.56	1.30	1.13	.55	1.78	2.62	1.74	1.32	2.83
22	2.39	2.33	1.50	2.06	1.04	1.37	1.25	1.71	2.46	1.30	1.39	2.53
23	2.69	2.36	1.61	2.06	1.31	1.56	1.78	1.48	2.09	1.04	1.40	2.25
24	2.96	1.98	1.51	1.35	1.14	1.56	1.78	1.20	1.83	1.19	1.48	2.16
25	2.69	1.70	1.40	1.00	1.21	1.43	1.47	1.33	1.61	1.36	1.49	2.20
26	2.48	1.37	1.29	1.02	1.32	1.36	1.59	1.17	1.89	1.20	---	2.35
27	2.35	1.19	1.45	1.24	1.47	1.59	1.82	.96	1.82	1.21	---	2.54
28	2.27	1.12	1.73	1.48	1.23	1.99	1.50	1.27	1.55	1.30	---	2.62
29	2.34	1.24	1.41	1.88	---	2.16	1.59	1.49	1.15	1.26	---	2.44
30	2.31	1.47	.98	2.11	---	2.22	1.76	1.71	.98	1.03	1.67	2.32
31	2.15	---	1.18	2.01	---	2.50	---	1.79	---	1.03	1.88	---
MAX	3.09	2.36	2.40	2.11	2.00	2.96	2.26	2.73	2.62	2.49	---	---
MIN	1.78	1.12	.48	.72	.83	.92	.28	.96	.98	1.03	---	---

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 current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Stage affected by wind and tide. Rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.10 ft, Sep. 12, 1998; minimum, -1.00 ft, Dec. 31, 1997, Jan. 1, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.20 ft, Jan. 9; minimum, -0.96 ft, Apr. 18.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.91	1.10	.35	.36	.94	.11	1.26	1.06	.78	.37	.06	1.07
2	1.75	1.21	.34	.86	.89	.18	1.20	1.04	.92	.44	.22	1.31
3	1.60	.95	.43	.47	.93	.16	1.05	.94	.96	.73	.35	1.40
4	1.48	1.01	.66	-.16	.91	.16	1.16	1.01	.77	1.11	.58	1.25
5	1.37	1.05	.69	-.31	.81	.74	1.19	1.21	.53	1.29	.67	.96
6	1.74	.73	.65	-.04	1.03	.78	1.14	1.35	.71	1.37	.56	.45
7	2.83	.64	.69	.24	.61	.67	.85	1.28	1.02	1.21	.62	.43
8	1.78	.73	.65	.32	.20	1.08	.66	1.19	1.09	.94	.67	.50
9	1.62	.65	.55	3.60	.25	1.32	.25	1.18	1.09	.92	.37	.56
10	1.53	.84	.87	1.26	.45	1.26	.13	1.29	.90	1.05	.34	.65
11	1.40	1.01	1.02	.44	.59	1.16	.36	1.35	.52	.92	.03	.84
12	1.22	1.18	1.23	.20	.51	1.28	.41	1.28	.52	.67	-.20	1.00
13	.99	1.21	.86	.26	-.12	1.84	.62	1.03	.59	.42	-.49	1.19
14	.92	1.15	-.09	.53	-.10	1.86	.92	.69	.59	.39	-.54	1.22
15	1.06	1.06	-.28	.54	.30	1.36	.80	.86	.75	.48	.09	1.09
16	1.33	.98	-.25	.65	.57	1.08	-.01	1.03	.66	.69	.67	.84
17	1.50	.75	-.53	.63	.83	1.11	-.28	1.09	.70	.88	.63	.66
18	1.64	.68	-.32	.61	.87	1.15	-.80	1.00	.92	1.01	.05	.73
19	1.71	.79	.25	.57	.47	1.01	-.78	.87	1.01	.97	-.05	.93
20	1.64	.73	.49	.51	.26	.54	-.75	.85	1.17	1.04	.12	1.22
21	1.52	.76	.62	.43	.45	.16	-.59	.72	1.32	.76	.25	1.38
22	1.47	1.17	.57	.77	.03	.32	.05	.64	1.37	.32	.33	1.43
23	1.52	1.25	.60	1.15	.24	.51	.66	.41	1.17	.02	.36	1.29
24	1.64	1.10	.56	.56	.09	.52	.71	.14	.87	.12	.45	1.13
25	1.66	.76	.41	.01	.10	.44	.38	.24	.63	.31	.42	1.12
26	1.57	.43	.26	-.03	.24	.39	.44	.12	2.74	.18	.23	1.21
27	1.46	.18	.35	.21	.37	.53	.68	-.14	2.36	.24	.11	1.30
28	1.38	.11	.72	.42	.54	.85	.41	.18	1.58	.32	.35	1.40
29	1.33	.16	.42	.79	---	1.07	.51	.38	1.13	.23	.52	1.41
30	1.32	.41	-.01	.97	---	1.19	.68	.64	.56	-.01	.57	1.33
31	1.23	---	.13	.99	---	1.37	---	.70	---	-.04	.73	---
MAX	2.83	1.25	1.23	3.60	1.03	1.86	1.26	1.35	2.74	1.37	.73	1.43
MIN	.92	.11	-.53	-.31	-.12	.11	-.80	-.14	.52	-.04	-.54	.43

MISSISSIPPI RIVER DELTA

073802225 BAYOU CONWAY NEAR SORRENTO, LA

LOCATION.--Lat 30°10'23", long 90°51'40", in sec. 25, T. 10 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070204, located at the Sorrento Pumping Station at levee at end of Conway Road.

DRAINAGE AREA.--Approximately 55.0 sq mi.

PERIOD OF RECORD.--July 1998 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Rain gage at station. Stage affected by wind and tide.

EXTREMES FOR THE PERIOD OF RECORD.--Outside: Maximum elevation, 3.75 ft, Sept. 14, 1998; minimum, 0.09 ft, Feb. 13 and Apr. 21, 1999. Inside: Maximum elevation, 2.54 ft, Sept. 12, 1998; minimum, -0.65 ft, Apr. 18, 1999.

EXTREMES FOR CURRENT YEAR: Water Year 1999: Outside: Maximum elevation, 2.07 ft, June 26; minimum, 0.09 ft, Feb. 13, Apr. 21. Inside: Maximum elevation, 2.08 ft, June 26; minimum, -0.65 ft, Apr. 18.

OUTSIDE ELEVATION, IN FEET NAVD 1988, WATER YEAR JULY 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

073802225 BAYOU CONWAY NEAR SORRENTO, LA--Continued

INSIDE ELEVATION, IN FEET NAVD 1988, WATER YEAR JULY 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											-.46	1.01
2											-.14	1.31
3											.64	1.49
4											.95	1.61
5											.94	1.52
6											.94	1.52
7											.96	1.46
8											.98	1.38
9											.89	1.33
10											.75	1.61
11											.48	1.17
12											.23	1.05
13											.22	1.48
14											.08	1.52
15											-.04	1.44
16											.08	1.48
17											.21	1.48
18											.26	1.03
19											.38	.34
20											.65	.62
21											1.05	.82
22											1.32	.96
23											1.44	1.17
24											1.39	1.20
25										.28	1.22	1.21
26										.30	.81	1.20
27										.15	.54	.23
28										-.07	.40	-.59
29										-.19	.36	-.59
30										-.31	.56	-.59
31										-.50	.71	---
MAX											1.44	1.61
MIN											-.46	-.59

OUTSIDE ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.96	1.15	.41	.40	.95	.16	1.28	1.07	.80	.39	.19	1.07
2	1.80	1.27	.39	.86	.91	.24	1.22	1.07	.95	.45	.24	1.32
3	1.64	1.00	.47	.52	.95	.19	1.08	.98	1.00	.73	.37	1.41
4	1.52	1.06	.70	.16	.94	.27	1.18	1.02	.81	1.11	.58	1.28
5	1.39	1.09	.74	.16	.83	.76	1.22	1.23	.56	1.31	.69	1.01
6	1.51	.79	.70	.16	1.06	.82	1.17	1.38	.72	1.39	.60	.49
7	1.93	.68	.74	.30	.64	.69	.91	1.32	1.04	1.25	.64	.46
8	1.77	.78	.70	.36	.25	1.10	.70	1.22	1.12	.97	.71	.52
9	1.64	.70	.60	1.65	.28	1.35	.34	1.20	1.12	.94	.43	.57
10	1.57	.90	.92	1.18	.47	1.29	.20	1.31	.94	1.08	.38	.67
11	1.44	1.06	1.07	.44	.61	1.19	.39	1.37	.56	.96	.22	.85
12	1.26	1.24	1.28	.24	.53	1.29	.43	1.31	.54	.71	.16	1.00
13	1.04	1.26	.93	.30	.10	1.59	.62	1.08	.62	.45	.16	1.20
14	.96	1.20	.19	.55	.12	1.68	.94	.71	.61	.41	.15	1.24
15	1.10	1.11	.15	.56	.35	1.37	.87	.88	.78	.50	.20	1.12
16	1.36	1.03	.17	.67	.59	1.11	.20	1.05	.69	.70	.67	.87
17	1.54	.80	.18	.65	.84	1.14	.13	1.12	.72	.90	.68	.67
18	1.68	.73	.18	.64	.88	1.17	.13	1.04	.94	1.03	.21	.74
19	1.76	.83	.34	.59	.50	1.04	.12	.90	1.03	1.00	.17	.93
20	1.70	.78	.53	.54	.28	.57	.11	.88	1.19	1.06	.20	1.22
21	1.58	.80	.66	.46	.48	.24	.10	.75	1.35	.80	.28	1.39
22	1.52	1.21	.61	.77	.12	.34	.16	.67	1.40	.37	.36	1.45
23	1.56	1.30	.64	1.12	.29	.54	.68	.47	1.22	.17	.39	1.32
24	1.68	1.15	.60	.59	.19	.54	.75	.20	.91	.19	.47	1.15
25	1.71	.81	.45	.15	.19	.47	.43	.26	.67	.34	.46	1.14
26	1.62	.49	.31	.13	.28	.41	.45	.28	1.56	.28	.31	1.22
27	1.51	.24	.39	.24	.40	.55	.69	.14	1.91	.29	.22	1.31
28	1.43	.19	.76	.42	.35	.87	.45	.21	1.61	.34	.35	1.41
29	1.38	.23	.47	.78	---	1.10	.53	.40	1.18	.30	.55	1.43
30	1.38	.46	.15	.98	---	1.19	.70	.66	.59	.19	.57	1.35
31	1.28	---	.23	1.01	---	1.37	---	.74	---	.16	.74	---
MAX	1.96	1.30	1.28	1.65	1.06	1.68	1.28	1.38	1.91	1.39	.74	1.45
MIN	.96	.19	.15	.13	.10	.16	.10	.14	.54	.16	.15	.46

MISSISSIPPI RIVER DELTA

073802225 BAYOU CONWAY NEAR SORRENTO, LA--Continued

INSIDE ELEVATION , IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.59	1.14	.40	.38	.97	.10	1.28	1.07	.80	.39	.09	1.07
2	-.59	1.26	.39	.86	.92	.19	1.22	1.07	.95	.42	.23	1.32
3	-.59	1.00	.46	.51	.95	.11	1.08	.97	1.00	.73	.37	1.41
4	-.59	1.05	.68	-.12	.93	.14	1.17	1.02	.82	1.11	.58	1.28
5	.15	1.09	.74	-.28	.82	.73	1.22	1.23	.57	1.31	.69	1.01
6	1.52	.78	.69	-.02	1.05	.81	1.17	1.38	.72	1.39	.60	.49
7	1.93	.68	.73	.23	.64	.69	.91	1.32	1.04	1.25	.64	.46
8	1.77	.77	.70	.35	.22	1.09	.70	1.22	1.12	.97	.71	.52
9	1.65	.69	.59	1.73	.26	1.35	.31	1.20	1.12	.90	.41	.57
10	1.57	.88	.91	1.21	.47	1.29	.14	1.31	.94	1.09	.37	.67
11	1.45	1.05	1.06	.45	.60	1.19	.38	1.38	.56	.97	.08	.85
12	1.26	1.23	1.28	.22	.48	1.29	.43	1.32	.55	.72	-.15	1.00
13	1.04	1.25	.93	.29	-.08	1.59	.62	1.09	.62	.45	-.44	1.20
14	.96	1.20	-.02	.56	-.09	1.68	.94	.71	.61	.41	-.52	1.24
15	1.10	1.10	-.24	.57	.31	1.36	.86	.89	.78	.50	.03	1.12
16	1.36	1.02	-.23	.68	.58	1.10	.01	1.06	.70	.70	.67	.87
17	1.53	.80	-.47	.66	.83	1.13	-.20	1.12	.73	.90	.68	.67
18	1.67	.72	-.30	.65	.88	1.17	-.63	1.04	.94	1.03	.11	.74
19	1.75	.83	.29	.60	.50	1.04	-.63	.91	1.04	1.00	-.05	.93
20	1.69	.78	.53	.54	.27	.57	-.61	.89	1.19	1.06	.13	1.22
21	1.57	.80	.66	.45	.48	.19	-.56	.75	1.35	.80	.26	1.38
22	1.52	1.21	.62	.77	.04	.33	.00	.67	1.40	.37	.35	1.45
23	1.55	1.29	.63	1.12	.27	.53	.69	.47	1.22	.05	.38	1.31
24	1.67	1.15	.60	.59	.12	.54	.75	.17	.92	.14	.47	1.15
25	1.71	.80	.45	.04	.12	.47	.43	.25	.68	.36	.46	1.13
26	1.62	.49	.30	-.01	.26	.41	.45	.19	1.56	.24	.27	1.21
27	1.51	.22	.37	.23	.39	.54	.69	-.12	1.92	.20	.13	1.31
28	1.42	.16	.74	.41	.34	.86	.45	.20	1.61	.34	.34	1.41
29	1.38	.20	.46	.80	---	1.10	.53	.40	1.18	.27	.55	1.42
30	1.37	.46	.03	.99	---	1.16	.70	.66	.60	.03	.57	1.35
31	1.28	---	.16	1.02	---	1.37	---	.74	---	-.03	.73	---
MAX	1.93	1.29	1.28	1.73	1.05	1.68	1.28	1.38	1.92	1.39	.73	1.45
MIN	-.59	.16	-.47	-.28	-.09	.10	-.63	-.12	.55	-.03	-.52	.46

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 1998 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Stage affected by wind and tide. Rain gage 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, 7.74 ft, June 26; minimum, 2.76 ft, Aug. 20.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.97	2.88	2.97	3.01	2.96	3.01	3.05	2.90	3.11	3.06	2.90	3.10
2	2.97	2.90	3.02	4.04	2.96	2.99	2.99	2.89	2.99	3.02	3.11	3.11
3	3.00	2.95	3.02	3.44	3.00	3.30	2.96	2.88	2.97	3.04	3.18	3.08
4	3.03	2.93	3.02	3.15	2.99	3.13	2.94	2.88	2.99	3.06	2.98	3.03
5	3.04	2.90	3.01	3.06	3.00	3.01	2.93	2.89	2.96	3.01	2.92	2.98
6	3.38	2.88	3.01	3.02	2.99	2.97	3.14	2.90	2.92	3.00	2.90	2.95
7	3.93	2.88	3.00	3.32	2.97	2.97	3.11	2.89	2.89	3.22	2.88	3.06
8	3.33	2.89	2.99	3.26	2.96	2.98	3.01	2.86	2.89	4.22	2.86	3.19
9	3.09	2.90	2.98	3.19	2.95	3.14	2.96	2.83	3.03	3.11	2.85	3.08
10	2.99	3.21	2.97	3.14	2.96	3.03	2.95	2.89	3.07	3.59	2.89	3.03
11	2.96	3.16	3.02	3.08	3.00	2.99	2.94	3.32	3.11	3.53	2.89	3.00
12	2.94	3.01	3.03	3.03	2.95	3.04	2.93	3.33	2.99	3.30	2.86	2.97
13	2.93	2.95	2.99	2.99	2.93	3.27	2.92	3.22	3.02	3.19	2.85	2.95
14	2.94	3.39	2.97	2.97	2.93	3.27	2.91	3.11	3.06	3.04	2.86	2.92
15	3.00	3.38	2.96	2.98	2.93	3.07	2.89	3.00	3.46	3.00	2.86	2.90
16	2.99	3.27	2.96	2.98	2.93	3.01	2.88	2.95	3.35	2.99	2.84	2.90
17	2.95	3.05	2.97	2.97	3.07	2.98	2.88	2.92	3.55	2.96	2.82	2.89
18	2.94	2.97	2.99	2.95	3.19	2.98	2.88	2.90	3.34	3.06	2.80	2.89
19	2.92	2.96	3.00	2.95	3.09	2.97	2.88	2.89	3.08	3.05	2.78	2.89
20	2.91	2.93	3.00	2.95	3.02	2.96	2.89	2.87	2.98	3.00	2.78	2.88
21	2.91	2.93	2.99	2.96	2.99	2.94	2.90	2.86	2.94	3.01	2.85	2.89
22	2.90	2.94	2.98	3.03	2.97	2.94	2.92	2.86	2.93	2.98	2.87	2.87
23	2.90	2.94	2.99	3.14	2.95	2.94	2.96	2.92	3.01	2.94	2.86	2.87
24	2.89	2.94	3.01	3.06	2.95	3.00	2.96	2.91	3.02	3.13	2.86	2.87
25	2.88	2.93	3.03	3.01	2.96	2.96	2.93	2.89	3.06	3.17	2.87	2.88
26	2.87	2.94	3.02	2.98	2.96	2.94	2.91	2.90	6.02	3.05	2.87	2.88
27	2.87	2.95	3.01	2.96	2.96	2.93	2.95	2.91	5.97	3.93	2.86	2.88
28	2.89	2.95	3.28	2.96	3.01	2.92	2.93	3.06	3.88	3.83	2.86	2.89
29	2.90	2.94	3.11	2.96	---	2.92	2.92	3.01	3.29	3.07	2.85	3.17
30	2.89	2.94	3.03	2.96	---	3.07	2.91	3.94	3.12	2.96	2.85	3.20
31	2.88	---	2.99	2.96	---	3.11	---	3.85	---	2.93	2.96	---
MAX	3.93	3.39	3.28	4.04	3.19	3.30	3.14	3.94	6.02	4.22	3.18	3.20
MIN	2.87	2.88	2.96	2.95	2.93	2.92	2.88	2.83	2.89	2.93	2.78	2.87

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 current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Stage affected by wind and tide. Rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 9.38 ft, Sep. 12, 1998; minimum, 0.19 ft, Feb. 8, 1998 (revised).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 7.49 ft, June 26; minimum, 0.49 ft, Feb. 13, 14, 15, 16, Mar. 3, Aug. 27, 28.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.18	1.11	.59	.64	1.05	.50	1.33	1.31	.95	.55	.53	1.32
2	1.35	1.29	.59	2.00	1.01	.50	1.26	1.21	1.11	.56	.53	1.66
3	1.33	.85	.62	.74	1.08	.50	1.15	1.09	1.12	.79	.56	1.61
4	1.24	1.08	.78	.58	1.00	.52	1.31	1.23	.88	1.33	.72	1.31
5	1.35	1.08	.75	---	---	.82	1.31	1.54	.69	1.51	.79	.96
6	2.13	.71	.76	.69	---	.79	1.48	1.63	.88	1.53	.70	.59
7	2.39	.77	.76	.97	---	.72	.90	1.40	1.23	1.17	.77	.85
8	1.66	.79	.69	.71	.49	1.28	.76	1.33	1.28	1.47	.79	.65
9	1.58	.77	.67	1.00	.49	1.75	.59	1.38	1.26	1.02	.62	.65
10	1.49	1.30	.96	.70	.55	1.31	.57	1.47	1.00	1.23	.60	.74
11	1.28	1.10	1.11	.66	.66	1.24	.60	1.54	.66	1.01	.54	.94
12	1.08	1.32	1.37	.63	.55	1.47	.62	1.43	.74	.84	.53	1.14
13	.86	1.30	.79	.63	.51	1.98	.79	.99	.74	.63	.53	1.40
14	.92	1.92	.58	.70	.50	1.69	1.13	.80	.73	.60	.52	1.34
15	1.15	1.23	.57	.73	.54	1.20	.88	1.02	.80	.63	.51	1.16
16	1.57	1.21	.56	.82	.64	1.07	.61	1.23	.81	.81	.81	.91
17	1.83	.75	.56	.80	1.14	1.22	.61	1.26	.86	1.03	.73	.76
18	1.98	.75	.55	.76	.89	1.25	.60	1.10	1.08	1.34	.53	.85
19	1.95	.84	.54	.76	.55	1.04	.59	1.00	1.18	1.15	.52	1.09
20	1.74	.76	.66	.71	.52	.59	.59	.99	1.46	1.15	.53	1.50
21	1.60	.85	.73	.72	.57	.54	.58	.85	1.61	.82	.54	1.69
22	1.54	1.34	.64	1.05	.51	.55	.58	.80	1.54	.57	.56	1.62
23	1.70	1.36	.69	1.23	.51	.63	.84	.70	1.19	.55	.58	1.37
24	1.90	1.08	.63	.71	.50	.64	.87	.62	.92	1.53	.63	1.23
25	1.80	.76	.58	.62	.50	.60	.64	.53	.74	.78	.60	1.25
26	1.63	.60	.57	.59	.50	.58	.67	.54	4.70	---	.54	1.38
27	1.47	.58	.57	.59	.55	.67	.85	.49	3.18	---	.50	1.52
28	1.37	.56	1.11	.65	.51	1.00	.64	.49	1.11	---	.53	1.62
29	1.38	.56	.59	.96	---	1.21	.69	.60	.60	.55	.62	1.56
30	1.38	.60	.57	1.14	---	1.33	.86	1.40	.55	.54	.67	1.45
31	1.24	---	.55	1.11	---	1.50	---	1.13	---	.54	.97	---
MAX	2.39	1.92	1.37	---	---	1.98	1.48	1.63	4.70	---	.97	1.69
MIN	.86	.56	.54	---	---	.50	.57	.49	.55	---	.50	.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 (elevations only).

REVISED RECORDS.--WDR-LA-1998: 1997: Extremes for Period of Record.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988. Prior to October 1997 datum of gage was 0.65 ft sea level.

REMARKS.--Stage affected by wind and tide. Satellite telemetry and rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.34 ft, revised, June 18, 1997; minimum, -1.68 ft, revised, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.79 ft, June 26; minimum, -1.00 ft, Apr. 18.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.12	1.11	.43	.49	1.04	.11	1.33	1.27	.93	.21	.18	---
2	1.32	1.29	.43	1.41	1.01	.26	1.26	1.18	1.09	.44	.36	---
3	1.29	.85	.54	.49	1.07	.03	1.13	1.06	1.11	.78	.49	---
4	1.21	1.09	.80	-.13	.98	.24	1.30	1.17	.87	1.31	---	---
5	1.30	1.10	.77	-.22	.94	.87	1.30	1.48	.66	1.50	---	---
6	1.70	.69	.77	.07	1.11	.84	1.27	1.61	.85	1.53	---	---
7	2.19	.72	.79	.46	.65	.79	.88	1.39	1.20	1.12	---	---
8	1.64	.80	.72	.45	.26	1.33	.71	1.30	1.26	1.11	---	---
9	1.56	.73	.65	.90	.34	1.62	.30	1.34	1.23	1.00	---	---
10	1.47	1.07	1.02	.45	.55	1.35	.20	1.44	.99	1.18	---	---
11	1.27	1.13	1.16	.16	.71	1.27	.43	1.47	.63	1.00	---	---
12	1.06	1.35	1.43	.17	.55	1.51	.49	1.40	.63	.73	---	---
13	.85	1.33	.74	.31	-.08	1.88	.73	.98	.69	.49	---	---
14	.90	1.47	-.12	.59	.01	1.70	1.07	.75	.67	.48	---	---
15	1.13	1.17	-.17	.60	.43	1.23	.84	.98	.79	.58	---	---
16	1.53	1.10	-.14	.73	.68	1.10	.03	1.19	.75	.81	---	---
17	1.81	.76	-.47	.71	1.07	1.25	-.23	1.23	.82	1.02	---	---
18	1.96	.73	-.20	.68	.93	1.28	-.73	1.09	1.06	1.20	---	---
19	1.94	.86	.37	.64	.45	1.06	-.70	.97	1.17	1.12	---	---
20	1.74	.79	.61	.58	.37	.53	-.65	.96	1.44	1.16	---	---
21	1.60	.87	.73	.55	.47	.17	-.47	.81	1.60	.83	---	---
22	1.54	1.37	.63	.94	.11	.41	.19	.75	1.54	.38	---	---
23	1.68	1.40	.69	1.19	.32	.58	.79	.50	1.19	.09	---	---
24	1.89	1.12	.61	.47	.17	.59	.82	.25	.91	.72	---	---
25	1.80	.78	.47	.04	.20	.49	.48	.36	.67	.65	---	---
26	1.63	.44	.33	.06	.33	.45	.56	.21	2.52	.38	---	---
27	1.47	.23	.47	.29	.47	.64	.80	-.02	2.94	.87	---	---
28	1.37	.17	.93	.54	.27	1.01	.50	.31	1.11	1.52	---	---
29	1.38	.26	.48	.93	---	1.22	.61	.51	.38	.34	---	---
30	1.38	.51	.06	1.12	---	1.32	.82	.91	.02	.09	---	---
31	1.24	---	.24	1.10	---	1.51	---	1.01	---	.08	---	---
MAX	2.19	1.47	1.43	1.41	1.11	1.88	1.33	1.61	2.94	1.53	---	---
MIN	.85	.17	-.47	-.22	-.08	.03	-.73	-.02	.02	.08	---	---

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 (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Stage affected by wind and tide. Satellite telemetry with rain gage 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, 3.08 ft, June 26; minimum, -1.17 ft, Apr. 18.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.07	1.02	.33	.42	.95	.02	1.24	1.15	.79	.12	.02	1.21
2	1.26	1.19	.34	1.01	.92	.18	1.18	1.06	.95	.35	.21	1.56
3	1.23	.75	.44	.33	.98	-.08	1.06	.93	.97	.68	.34	1.52
4	1.15	1.00	.70	-.23	.89	.17	1.23	1.06	.73	1.21	.57	1.21
5	1.23	1.00	.67	-.31	.87	.79	1.22	1.37	.53	1.40	.66	.86
6	1.56	.59	.68	-.03	1.02	.75	1.14	1.49	.73	1.42	.54	.37
7	1.88	.61	.69	.28	.57	.71	.79	1.26	1.07	1.01	.62	.37
8	1.56	.69	.63	.34	.19	1.25	.63	1.18	1.13	.86	.65	.42
9	1.47	.63	.56	.83	.26	1.49	.20	1.22	1.10	.88	.32	.53
10	1.37	.87	.92	.35	.47	1.26	.13	1.31	.85	1.10	.31	.64
11	1.17	1.01	1.07	.06	.63	1.20	.35	1.33	.48	.88	-.01	.85
12	.97	1.24	1.32	.08	.45	1.44	.42	1.27	.48	.58	-.24	1.04
13	.75	1.22	.63	.22	-.17	1.76	.64	.84	.54	.35	-.53	1.30
14	.81	1.16	-.25	.49	-.07	1.57	.96	.63	.52	.35	-.57	1.25
15	1.04	.97	-.30	.51	.34	1.13	.70	.86	.65	.45	.08	1.07
16	1.46	.91	-.27	.64	.59	1.01	-.09	1.07	.61	.68	.69	.80
17	1.73	.64	-.57	.62	.90	1.16	-.37	1.11	.69	.90	.60	.64
18	1.87	.62	-.27	.58	.83	1.20	-.87	.96	.93	1.04	.01	.73
19	1.85	.75	.28	.55	.35	.98	-.83	.84	1.03	.98	-.05	.97
20	1.65	.68	.52	.49	.29	.44	-.78	.84	1.30	1.02	.12	1.38
21	1.50	.77	.65	.47	.38	.09	-.59	.69	1.46	.69	.24	1.58
22	1.44	1.27	.55	.85	.03	.34	.08	.62	1.39	.24	.32	1.51
23	1.59	1.29	.61	1.08	.22	.50	.68	.36	1.05	-.06	.36	1.26
24	1.80	1.01	.53	.37	.08	.50	.70	.11	.80	.15	.45	1.11
25	1.70	.67	.38	-.05	.11	.40	.36	.24	.59	.37	.40	1.13
26	1.53	.33	.24	-.02	.25	.37	.44	.07	2.21	.21	.21	1.27
27	1.37	.14	.39	.20	.38	.56	.68	-.15	2.36	.30	.09	1.40
28	1.27	.07	.73	.47	.18	.94	.38	.18	1.02	.41	.37	1.50
29	1.28	.17	.38	.85	---	1.14	.48	.39	.27	.17	.52	1.43
30	1.28	.41	-.03	1.03	---	1.24	.70	.70	-.07	-.07	.58	1.33
31	1.14	---	.15	1.00	---	1.42	---	.75	---	-.08	.80	---
MAX	1.88	1.29	1.32	1.08	1.02	1.76	1.24	1.49	2.36	1.42	.80	1.58
MIN	.75	.07	-.57	-.31	-.17	-.08	-.87	-.15	-.07	-.08	-.57	.37

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 NAVD 1988.

REMARKS.--Stage affected by wind and tide. Satellite telemetry and rain gage 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, 1.97 ft, Oct. 18; minimum inside, -0.96 ft, Apr. 18; maximum outside elevation, 1.98 ft, Oct. 18; minimum outside, -0.95 ft, Apr. 18.

INSIDE ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.10	1.08	.39	.44	1.00	.08	1.31	1.25	.89	.18	.15	1.24
2	1.30	1.27	.39	.93	.97	.23	1.24	1.16	1.06	.41	.33	1.60
3	1.27	.83	.49	.37	1.02	-.01	1.10	1.03	1.08	.75	.46	1.56
4	1.18	1.07	.75	-.15	.94	.20	1.27	1.13	.84	1.27	.69	1.25
5	1.27	1.08	.73	-.27	.90	.82	1.28	1.45	.63	1.48	.78	.90
6	1.53	.66	.71	.02	1.06	.82	1.21	1.60	.83	1.50	.66	.41
7	1.76	.68	.74	.29	.61	.75	.86	1.38	1.17	1.10	.74	.39
8	1.61	.75	.69	.38	.22	1.28	.69	1.29	1.23	.90	.78	.46
9	1.54	.68	.61	.82	.31	1.57	.29	1.31	1.21	.96	.46	.57
10	1.45	.92	.98	.40	.50	1.32	.19	1.41	.96	1.10	.44	.68
11	1.24	1.08	1.12	.11	.66	1.24	.42	1.43	.60	.94	.13	.89
12	1.04	1.30	1.40	.12	.54	1.47	.48	1.38	.58	.68	-.11	1.07
13	.83	1.29	.71	.27	-.09	1.80	.71	.97	.65	.45	-.40	1.33
14	.87	1.20	-.17	.56	-.02	1.66	1.03	.73	.64	.45	-.43	1.29
15	1.10	1.03	-.23	.57	.39	1.23	.85	.95	.76	.55	.22	1.11
16	1.51	.98	-.20	.68	.64	1.08	.02	1.16	.71	.78	.81	.83
17	1.79	.71	-.50	.67	.90	1.23	-.23	1.20	.78	.99	.73	.68
18	1.94	.69	-.23	.64	.88	1.27	-.73	1.08	1.04	1.14	.14	.76
19	1.92	.81	.34	.60	.44	1.05	-.71	.94	1.15	1.08	.03	1.01
20	1.72	.75	.58	.54	.34	.53	-.66	.94	1.41	1.13	.14	1.43
21	1.57	.83	.70	.48	.46	.18	-.50	.79	1.58	.81	.27	1.64
22	1.52	1.33	.62	.84	.08	.39	.16	.73	1.52	.36	.34	1.56
23	1.66	1.36	.66	1.14	.30	.56	.76	.48	1.17	.06	.38	1.30
24	1.88	1.08	.60	.43	.14	.57	.80	.23	.89	.26	.47	1.15
25	1.78	.74	.45	.01	.17	.48	.46	.34	.64	.47	.44	1.18
26	1.60	.40	.30	.02	.31	.45	.53	.19	1.35	.29	.24	1.31
27	1.45	.20	.43	.24	.43	.62	.78	-.04	1.55	.35	.13	1.45
28	1.34	.13	.78	.48	.25	.98	.49	.28	.93	.48	.40	1.54
29	1.35	.21	.45	.86	---	1.20	.60	.48	.33	.31	.56	1.48
30	1.35	.46	.02	1.07	---	1.28	.80	.75	-.01	.06	.61	1.38
31	1.21	---	.20	1.06	---	1.49	---	.83	---	.05	.81	---
MAX	1.94	1.36	1.40	1.14	1.06	1.80	1.31	1.60	1.58	1.50	.81	1.64
MIN	.83	.13	-.50	-.27	-.09	-.01	-.73	-.04	-.01	.05	-.43	.39

MISSISSIPPI RIVER DELTA

073802282 NEW RIVER CANAL NEAR SORRENTO, LA--Continued

OUTSIDE ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.41	1.09	.39	.42	1.00	.08	1.31	1.27	.92	.21	.17	1.24
2	1.32	1.28	.39	.92	.97	.23	1.24	1.18	1.08	.44	.36	1.60
3	1.30	.84	.49	.35	1.02	-.01	1.11	1.04	1.10	.78	.48	1.56
4	1.21	1.08	.75	-.17	.94	.20	1.28	1.15	.87	1.30	.71	1.26
5	1.29	1.09	.74	-.29	.90	.83	1.28	1.47	.65	1.51	.80	.91
6	1.56	.67	.72	.00	1.07	.82	1.22	1.62	.85	1.53	.68	.42
7	1.78	.68	.75	.27	.61	.76	.87	1.39	1.19	1.12	.76	.40
8	1.64	.75	.70	.36	.23	1.28	.70	1.30	1.25	.92	.79	.47
9	1.56	.68	.61	.80	.31	1.57	.30	1.33	1.23	.99	.48	.57
10	1.46	.93	.97	.38	.51	1.32	.20	1.43	.99	1.13	.46	.68
11	1.25	1.08	1.12	.09	.67	1.25	.44	1.44	.62	.96	.14	.89
12	1.05	1.31	1.39	.10	.54	1.48	.50	1.40	.60	.71	-.10	1.07
13	.84	1.29	.70	.25	-.09	1.80	.73	.98	.68	.47	-.38	1.34
14	.89	1.20	-.18	.54	-.02	1.67	1.05	.74	.67	.47	-.42	1.29
15	1.11	1.03	-.25	.55	.39	1.23	.86	.97	.78	.57	.23	1.11
16	1.52	.99	-.21	.67	.64	1.08	.03	1.17	.74	.80	.83	.83
17	1.80	.72	-.52	.65	.90	1.23	-.22	1.22	.80	1.01	.74	.68
18	1.96	.70	-.25	.63	.88	1.26	-.72	1.09	1.07	1.16	.13	.77
19	1.93	.82	.32	.59	.43	1.05	-.70	.96	1.17	1.10	.03	1.01
20	1.74	.76	.56	.53	.34	.53	-.65	.96	1.44	1.15	.14	1.44
21	1.59	.84	.68	.48	.46	.18	-.49	.81	1.60	.83	.28	1.64
22	1.53	1.33	.61	.84	.08	.39	.17	.74	1.54	.38	.35	1.56
23	1.67	1.37	.65	1.14	.29	.57	.78	.50	1.19	.10	.39	1.30
24	1.89	1.09	.58	.43	.14	.57	.81	.25	.91	.24	.48	1.16
25	1.79	.74	.43	.00	.17	.48	.48	.35	.66	.42	.45	1.18
26	1.61	.41	.28	.02	.30	.45	.55	.21	1.37	.25	.25	1.31
27	1.45	.20	.42	.24	.43	.62	.80	-.03	1.57	.32	.13	1.45
28	1.35	.13	.77	.48	.25	.98	.51	.30	.89	.48	.41	1.54
29	1.36	.22	.43	.86	---	1.20	.62	.50	.28	.32	.57	1.48
30	1.36	.47	.00	1.07	---	1.28	.82	.77	.02	.08	.62	1.38
31	1.22	---	.18	1.06	---	1.49	---	.85	---	.07	.81	---
MAX	1.96	1.37	1.39	1.14	1.07	1.80	1.31	1.62	1.60	1.53	.83	1.64
MIN	.84	.13	-.52	-.29	-.09	-.01	-.72	-.03	.02	.07	-.42	.40

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 September 1998. April 1999 to September 1999.

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. Site destroyed Sept. 30, 1998 by Hurricane Georges; re-established Apr. 22, 1999.

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 for period April 1999 to September 1999, 2.53 ft, Sept. 20; minimum, -0.65 ft, June 30.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR APRIL 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1										1.19	-.22	.75
2										.94	-.22	.43
3										.82	-.46	.25
4										1.57	.19	.86
5										2.28	1.07	1.88
6										1.48	.45	1.00
7										1.59	.19	.94
8										1.41	.21	.89
9										1.32	.45	.98
10										1.78	.45	.95
11										1.41	.16	.75
12										1.47	.14	.67
13										.77	-.29	.44
14										1.15	-.24	.58
15										1.12	.14	.73
16										1.30	.27	.87
17										1.28	.11	.82
18										1.26	-.28	.56
19										1.24	-.34	.55
20										1.16	-.13	.65
21										1.01	.12	.61
22										.82	.19	.56
23										.69	.13	.39
24							.73	-.34	.18	.63	-.18	.17
25							.33	-.50	-.03	.69	-.02	.37
26							.62	-.21	.25	.24	-.59	-.06
27							.81	.02	.51	.43	-.52	.00
28							.50	.04	.33	.77	-.44	.29
29							.71	.01	.39	1.11	-.29	.41
30							1.04	.01	.61	1.04	-.18	.62
31							---	---	---	1.22	-.43	.62
MONTH										2.28	-.59	.63

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR APRIL 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.28	.36	.90	.78	-.42	.19	.75	-.02	.39	2.11	1.44	1.78
2	1.46	.60	1.05	.75	-.24	.32	.79	.23	.55	2.30	1.23	1.87
3	1.21	.09	.72	1.20	.02	.60	.70	.39	.60	1.83	.73	1.32
4	.92	-.18	.42	1.48	.91	1.18	.96	.62	.77	1.60	.45	1.18
5	1.05	-.31	.44	1.41	1.00	1.25	1.13	.29	.80	1.32	.29	.89
6	1.25	.26	.77	1.01	.58	.84	1.12	.26	.78	1.06	.02	.69
7	1.37	.86	1.14	.89	.32	.58	1.31	.29	.87	1.18	.20	.76
8	1.30	.81	1.08	.91	.29	.64	1.26	.03	.83	1.39	.07	.77
9	1.27	.64	1.00	1.24	.45	.87	---	---	---	1.30	.25	.87
10	.97	-.09	.62	1.36	.19	.91	---	---	---	1.41	.51	.99
11	1.26	-.22	.51	1.21	.12	.73	---	---	---	1.39	.79	1.14
12	1.11	-.22	.57	1.21	-.09	.53	---	---	---	1.72	1.07	1.41
13	1.32	-.24	.56	.94	-.38	.37	---	---	---	1.81	1.33	1.56
14	1.18	-.08	.62	.96	-.28	.41	---	---	---	1.56	1.09	1.34
15	1.18	-.16	.58	.96	-.12	.51	---	---	---	1.45	.65	1.07
16	1.17	.01	.64	1.19	.26	.77	---	---	---	1.04	.39	.81
17	1.20	.06	.71	1.40	.47	.93	---	---	---	1.15	.44	.84
18	1.43	.45	.99	1.29	.62	.94	.48	.23	.37	1.23	.61	1.03
19	1.61	.52	1.09	1.24	.66	1.00	.69	.09	.41	1.93	1.14	1.62
20	1.68	1.24	1.46	1.06	.50	.86	.82	.02	.49	2.53	1.82	2.17
21	1.64	1.13	1.42	.98	.27	.64	.99	-.01	.57	2.45	1.24	2.04
22	1.29	.64	1.04	.65	-.23	.30	.95	.08	.58	1.86	.78	1.42
23	1.27	.52	.95	.60	-.23	.22	1.10	.10	.69	1.51	.74	1.13
24	1.02	.13	.71	.97	-.15	.45	1.16	.21	.78	1.53	.79	1.25
25	.97	.06	.52	.86	-.04	.50	1.10	.20	.81	1.60	.90	1.26
26	1.10	.02	.57	.80	-.15	.40	.96	.09	.54	1.65	1.09	1.40
27	1.01	-.09	.52	---	---	---	1.04	.11	.61	1.84	1.38	1.66
28	.79	-.26	.29	---	---	---	1.17	.35	.81	2.02	1.18	1.59
29	.48	-.43	.05	---	---	---	1.17	.60	.88	1.85	.84	1.38
30	.49	-.65	-.03	---	---	---	1.19	.68	.93	1.69	.92	1.32
31	---	---	---	.74	-.08	.40	1.57	.85	1.11	---	---	---
MONTH	1.68	-.65	.73	---	---	---	---	---	---	2.53	.02	1.29

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- July 1992 to September 1998. April 1999 to September 1999.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to September 1998. April 1999 to September 1999.

WATER TEMPERATURE: July 1992 to September 1998. April 1999 to September 1999.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 37,700 microsiemens, July 30, 1995; minimum recorded, 156 microsiemens, Mar. 16, 1998.

WATER TEMPERATURE: Maximum, 33.6°C, Aug. 19, 1995; minimum, 5.0°C, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 37,100 microsiemens, Sep. 2; minimum, 6,960 microsiemens, Apr. 26.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 28; minimum, 22.8°C, Apr. 23.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR APRIL 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1										19500	13400	15500
2										14200	12000	12800
3										12800	11100	11900
4										22100	10600	13500
5										26500	19400	23300
6										23000	17700	19900
7										19800	14800	17200
8										19400	14700	16400
9										19000	15800	17100
10										19000	16600	17300
11										17100	13300	15100
12										17000	12900	15100
13										13400	11800	12800
14										13000	10700	12100
15										15000	11300	12900
16										16900	12300	14000
17										16200	13100	14400
18										15300	12800	14100
19										15800	12700	13900
20										15800	12700	13900
21										14100	12300	13300
22										14000	12300	12900
23										13000	11000	12100
24							10800	9140	9510	12500	11300	11700
25							9260	7290	8550	12700	10200	11600
26							8380	6960	7940	11800	11300	11600
27							10200	7210	8770	12300	10300	11200
28							8400	8250	8320	13200	10500	11700
29							11700	8320	9350	15200	11900	12900
30							19100	8070	12300	16700	12600	13700
31							---	---	---	16100	12700	13800
MONTH										26500	10200	14200

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR APRIL 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17600	13400	14500	10600	9480	10100	11900	10500	11300	36100	25400	31300
2	19000	14500	15800	11300	9600	10400	13800	11300	12200	37100	25400	33300
3	16300	14900	15500	13900	10700	11400	13500	12100	12500	25900	20400	23400
4	15300	13200	13900	16300	13600	14500	15800	13000	14200	23300	19500	20500
5	14100	12200	13300	16500	14600	15500	16700	13000	14400	19600	16100	18200
6	17000	12500	14200	15300	13300	14300	16400	12800	13900	16900	13700	15100
7	20100	15700	17500	13300	12000	12700	18600	13100	14900	18500	13600	15700
8	19800	15600	17000	12300	10900	11800	17300	14200	15400	18300	14100	15900
9	17600	15700	16500	13500	11300	12200	---	---	---	18900	14700	16400
10	16200	14100	15000	13000	12000	12400	---	---	---	19800	16300	17500
11	14200	13000	13800	12300	11500	11900	---	---	---	21200	17800	19300
12	14300	12400	13700	12800	11700	12200	---	---	---	26100	19600	21200
13	16000	13300	14200	12400	11300	11800	---	---	---	27200	22800	24800
14	15800	13400	14200	12500	10900	11700	---	---	---	23800	21000	22800
15	15300	12800	13900	13000	11200	11900	---	---	---	22600	19600	21200
16	15400	12700	13900	15000	11700	12700	---	---	---	19600	17600	18600
17	16200	12600	14200	15700	12500	13600	---	---	---	19600	16400	18000
18	16200	14600	15400	15100	13700	14100	14700	13900	14300	20300	17800	19000
19	18600	14600	16000	14400	13300	13900	21300	13600	16300	28900	19400	24200
20	20400	17200	19100	13900	13300	13700	21200	15300	17900	33600	28400	30700
21	20000	16800	18800	13300	12200	12500	20600	16900	18000	33500	28900	30900
22	18400	16500	17600	12300	11500	11900	20800	17400	18500	28900	25100	27400
23	16500	15000	15700	12000	10800	11400	23000	17600	19300	25100	21000	22500
24	15000	13600	14100	12400	10800	11400	22000	18900	20100	23300	19200	21200
25	14000	12400	12900	12700	11300	11900	22100	19700	20600	22900	18800	20400
26	12900	11900	12300	11900	10700	11300	20100	17500	18400	23900	21500	22400
27	12400	11200	11700	---	---	---	20200	16900	18300	26300	23900	24900
28	12100	11200	11600	---	---	---	23000	18300	19900	28500	24000	25700
29	11600	10500	11000	---	---	---	22300	19200	20500	25300	21500	23900
30	10900	9500	10100	---	---	---	21600	19900	20500	24300	20700	22400
31	---	---	---	12200	10300	11200	25400	20300	22800	---	---	---
MONTH	20400	9500	14600	---	---	---	---	---	---	37100	13600	22300

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR APRIL 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1										25.8	24.2	24.9
2										24.9	23.3	24.2
3										24.7	23.4	24.1
4										24.4	23.6	24.0
5										24.6	23.4	23.8
6										25.2	24.1	24.7
7										25.7	24.8	25.2
8										26.6	24.6	25.3
9										26.4	24.7	25.6
10										26.4	25.1	25.5
11										25.2	23.7	24.7
12										25.0	23.9	24.7
13										26.7	24.5	25.3
14										26.0	25.3	25.6
15										26.3	25.1	25.8
16										26.6	25.3	26.0
17										26.9	25.3	26.2
18										27.2	25.6	26.5
19										27.4	25.8	26.6
20										27.8	26.1	26.9
21										27.9	26.2	27.1
22										28.1	26.3	27.2
23							24.4	22.8	23.6	28.8	26.6	27.5
24							25.4	24.0	24.6	28.8	27.1	27.8
25							26.2	24.7	25.3	28.0	27.4	27.7
26							25.8	24.9	25.3	28.7	27.4	27.9
27							26.5	25.4	25.9	28.7	28.1	28.4
28							26.6	25.4	25.9	29.0	28.1	28.5
29							27.3	25.8	26.3	28.7	27.9	28.1
30							26.0	25.1	25.4	28.2	27.5	27.9
31										28.5	27.1	27.9
MONTH										29.0	23.3	26.2

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR APRIL 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.3	27.6	28.4	30.6	29.1	29.9	32.2	30.3	31.0	30.4	29.6	29.8
2	29.6	28.2	28.9	31.1	29.4	30.3	32.3	31.0	31.8	29.7	27.9	28.8
3	29.8	28.3	29.0	31.2	29.8	30.5	32.2	31.4	32.0	29.5	27.6	28.4
4	30.8	28.5	29.3	30.4	29.4	29.9	33.0	31.9	32.3	30.5	28.4	29.1
5	30.7	29.1	29.9	29.9	29.3	29.6	33.0	31.5	32.1	30.8	29.3	29.9
6	30.8	29.4	30.2	30.3	28.8	29.5	32.8	31.6	32.2	31.0	29.2	29.8
7	30.5	29.1	30.0	31.2	29.5	30.1	32.3	31.5	31.9	30.0	29.4	29.7
8	30.3	29.3	29.8	30.4	29.6	30.0	32.2	31.5	31.8	29.8	29.1	29.5
9	29.9	29.0	29.4	30.1	29.3	29.7	---	---	---	29.7	28.9	29.4
10	31.2	28.2	29.6	30.6	29.3	29.7	---	---	---	29.6	28.5	29.2
11	30.5	29.4	29.9	30.9	29.4	30.0	---	---	---	29.3	28.2	28.9
12	29.9	29.2	29.6	30.5	29.6	30.1	---	---	---	29.3	28.6	29.0
13	29.7	28.4	29.4	29.8	28.9	29.4	---	---	---	30.0	28.8	29.2
14	29.9	28.6	29.3	30.1	28.6	29.5	---	---	---	29.4	28.2	28.8
15	29.9	28.3	29.1	30.6	29.2	29.8	---	---	---	28.7	27.1	28.2
16	29.6	28.5	29.1	30.8	29.0	30.1	---	---	---	27.4	26.3	26.9
17	29.8	28.3	29.1	30.3	29.3	29.9	---	---	---	27.0	26.1	26.5
18	29.9	28.0	29.2	29.9	28.9	29.5	31.4	30.4	31.0	26.7	25.5	26.2
19	29.5	28.0	28.9	29.8	28.9	29.4	32.8	30.6	31.4	26.5	25.5	26.0
20	28.9	28.2	28.6	29.5	28.9	29.2	32.3	31.0	31.5	26.8	26.3	26.5
21	28.7	27.8	28.3	31.0	28.5	29.5	31.7	30.9	31.4	26.9	26.4	26.6
22	28.8	27.9	28.4	31.3	29.3	30.2	32.4	31.1	31.5	26.4	24.4	25.4
23	30.2	28.2	28.9	31.1	29.9	30.4	32.5	31.4	31.7	24.8	23.8	24.4
24	30.4	29.1	29.6	30.6	29.9	30.2	32.1	31.2	31.7	24.8	23.7	24.2
25	30.2	29.2	29.6	31.0	29.6	30.1	31.9	30.8	31.4	24.9	23.9	24.5
26	29.2	27.9	28.8	31.1	30.0	30.5	31.9	30.4	31.3	25.4	24.4	25.0
27	29.2	27.2	28.3	---	---	---	31.9	30.7	31.3	26.8	25.4	25.8
28	29.9	28.2	28.8	---	---	---	31.8	30.8	31.3	26.8	25.5	26.2
29	30.0	28.9	29.3	---	---	---	31.2	30.5	30.9	27.0	25.5	26.4
30	31.0	28.9	29.6	---	---	---	31.2	30.3	30.9	26.1	24.7	25.3
31	---	---	---	31.5	29.8	30.7	31.4	30.3	30.8	---	---	---
MONTH	31.2	27.2	29.2	---	---	---	---	---	---	31.0	23.7	27.5

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA

LOCATION.--Lat 29°25'23", long 89°57'02", Plaquemines Parish, Hydrologic Unit 08090301, on a two-tier wellhead platform 10.7 mi northeast of Grand Isle Coast Guard Station.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1992 to current year.

REVISIONS.--Minimum recorded elevation has been revised to reflect the datum used prior to Oct. 1, 1995.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Stage affected by wind and tide. Prior to December 1, 1993, at platform near present site, datum of gage was sea level (levels determined by Global Positioning System). From Dec. 2, 1993, to Sept. 30, 1995, datum of gage was 7.06 ft below sea level. Satellite telemetry with wind speed and direction at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 4.54 ft, Aug. 25, 1992; minimum recorded elevation, -3.24 ft, revised, Feb. 8, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 3.17 ft, May 5; minimum recorded, -0.86 ft, Feb. 12.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	2.53	1.20	1.89	---	---	---	1.41	.52	.78	1.95	.03	.82
2	2.18	1.37	1.79	---	---	---	1.59	.10	.78	1.87	.54	1.24
3	2.14	1.32	1.80	---	---	---	1.91	.19	.97	1.15	-.19	.40
4	2.12	1.51	1.82	---	---	---	1.88	.36	1.13	1.02	-.49	.12
5	2.06	1.67	1.87	1.81	.36	.95	1.90	.09	.99	.81	-.49	.06
6	2.24	1.49	1.87	1.43	.07	.73	2.02	.37	1.20	1.19	.22	.68
7	2.17	1.18	1.68	1.55	-.05	.68	2.02	.46	1.28	1.19	.32	.75
8	2.00	.69	1.30	1.59	.17	.88	1.86	.49	1.09	1.23	.67	.96
9	1.82	.74	1.29	1.88	.55	1.13	1.31	.50	.84	1.19	-.10	.38
10	1.92	.61	1.24	2.18	1.23	1.60	1.37	.48	.95	.74	-.27	.25
11	1.80	.70	1.27	1.35	.40	.80	1.44	.78	1.04	.84	-.01	.43
12	1.77	.40	1.07	1.25	.70	.99	1.57	1.06	1.27	1.29	.03	.64
13	1.47	.58	1.05	1.46	.99	1.23	1.23	.43	.67	1.50	.49	.99
14	1.56	.78	1.22	1.51	1.28	1.42	.95	.15	.42	1.62	.27	.92
15	1.65	1.28	1.47	1.50	.93	1.20	.89	.01	.35	1.56	-.02	.76
16	1.86	1.52	1.72	1.39	.76	1.10	1.16	-.13	.41	1.64	.21	.90
17	2.08	1.83	1.94	1.39	.32	.83	1.04	-.36	.29	1.73	.43	1.03
18	2.10	1.75	1.88	1.57	.49	1.01	1.70	-.14	.67	1.73	.40	.98
19	1.98	1.48	1.67	1.77	.38	1.02	1.70	.29	1.00	1.48	.25	.85
20	1.90	1.27	1.58	1.75	.50	1.06	1.94	.02	.90	1.48	.35	.91
21	---	---	---	1.50	.22	.83	1.94	-.03	.87	1.80	.85	1.29
22	---	---	---	1.84	.36	1.02	1.62	.12	.81	2.52	1.68	1.98
23	---	---	---	1.85	.50	1.10	1.56	.07	.76	2.00	.35	1.17
24	---	---	---	1.53	.16	.81	1.57	.01	.67	.98	.26	.61
25	---	---	---	1.58	.44	.99	.87	.16	.56	.96	-.08	.46
26	---	---	---	1.27	.23	.74	.88	.31	.58	1.14	-.07	.57
27	---	---	---	1.05	.38	.73	1.11	.53	.75	1.48	.07	.81
28	---	---	---	.98	.55	.75	1.20	.50	.90	1.74	.23	1.00
29	---	---	---	1.01	.74	.88	1.17	.45	.77	2.11	.45	1.22
30	---	---	---	---	---	---	1.53	-.13	.59	1.96	.65	1.30
31	---	---	---	---	---	---	1.41	-.06	.63	1.72	.38	1.03
MONTH	---	---	---	---	---	---	2.02	-.36	.80	2.52	-.49	.82

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.73	.36	1.00	1.66	.41	.96	1.51	1.08	1.35	1.80	.68	1.31
2	1.73	.60	1.14	1.81	.73	1.19	1.64	1.02	1.39	1.88	.67	1.35
3	1.58	.87	1.24	1.64	-.11	.56	1.90	1.21	1.54	1.86	.67	1.34
4	1.58	.67	1.04	1.41	.56	.91	1.73	1.11	1.43	2.44	1.03	1.85
5	1.18	.93	1.08	1.50	1.02	1.31	1.92	1.03	1.47	3.17	1.49	2.51
6	1.37	.87	1.11	1.32	.82	1.13	1.81	.80	1.34	2.56	1.53	2.14
7	1.45	.97	1.21	1.04	.53	.79	1.56	.63	1.09	2.00	1.26	1.63
8	1.39	.69	1.06	1.98	.85	1.53	1.68	.66	1.19	2.13	1.11	1.65
9	1.54	.67	1.10	1.73	1.03	1.47	1.74	.83	1.39	2.03	1.31	1.74
10	1.55	.51	1.06	1.93	.77	1.38	1.97	1.04	1.54	1.94	1.47	1.73
11	1.83	.69	1.25	1.81	.96	1.41	1.65	1.08	1.42	1.92	1.26	1.74
12	1.40	-.86	.15	2.29	.89	1.61	1.30	.69	1.02	1.82	1.36	1.63
13	.77	-.27	.26	3.05	1.44	2.10	1.71	.74	1.15	1.93	1.00	1.54
14	1.31	-.30	.42	1.70	.56	.96	2.36	1.45	1.76	1.92	.82	1.43
15	1.33	-.02	.61	1.10	-.33	.38	2.54	.55	1.61	2.09	.86	1.50
16	1.74	.51	1.04	1.28	.37	.76	1.16	.34	.67	2.33	.92	1.65
17	1.74	.87	1.22	1.34	.72	1.00	1.08	-.16	.62	2.37	.88	1.68
18	1.70	.86	1.26	1.34	.90	1.10	1.12	-.20	.48	2.27	.77	1.53
19	1.72	.67	1.05	1.41	.60	.97	1.17	-.22	.55	2.05	.69	1.38
20	1.36	.75	1.12	1.25	.32	.95	1.37	-.16	.68	1.93	.74	1.38
21	.85	-.41	.41	1.04	.10	.59	1.58	.07	.92	1.83	.79	1.33
22	1.37	-.44	.58	1.36	.17	.81	1.79	.76	1.32	1.62	.91	1.29
23	1.53	.44	.99	1.67	.33	1.08	1.67	.77	1.28	1.53	1.02	1.27
24	1.39	-.08	.65	1.53	.35	1.01	1.31	.69	1.04	1.27	1.00	1.10
25	1.58	.29	.97	1.61	.48	.98	1.41	.79	1.12	1.33	.71	1.05
26	1.78	.21	1.01	1.09	-.22	.52	1.82	1.22	1.46	1.34	.72	1.01
27	1.78	.61	1.20	1.36	.24	.81	2.16	1.29	1.72	1.33	.47	.93
28	1.63	.34	.91	1.63	.73	1.17	1.55	1.14	1.38	1.46	.37	.96
29	---	---	---	1.47	.78	1.12	1.71	.70	1.32	1.55	.46	.97
30	---	---	---	1.58	.48	1.09	1.56	.58	1.14	1.69	.37	1.08
31	---	---	---	1.41	1.18	1.27	---	---	---	1.86	.37	1.21
MONTH	1.83	-.86	.93	3.05	-.33	1.06	2.54	-.22	1.21	3.17	.37	1.45

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.90	.69	1.38	2.03	.65	1.41	1.26	.51	.90	2.09	1.10	1.61
2	2.05	.86	1.50	1.84	.78	1.40	1.23	.72	1.03	2.75	1.67	2.08
3	1.90	.75	1.33	1.82	.78	1.36	1.12	.95	1.02	2.23	1.08	1.67
4	1.69	.62	1.17	1.66	.92	1.36	1.37	.72	1.04	2.27	.88	1.59
5	1.69	.68	1.22	1.46	.84	1.18	1.71	.76	1.25	2.03	.71	1.39
6	1.70	.73	1.26	1.34	.89	1.21	1.80	.69	1.29	1.86	.56	1.28
7	1.69	1.05	1.42	1.48	.97	1.22	2.02	.71	1.41	1.87	.69	1.28
8	1.63	1.28	1.48	1.80	.96	1.37	2.08	.44	1.34	1.81	.75	1.33
9	1.77	1.29	1.52	2.04	.80	1.51	1.90	.47	1.20	1.67	.79	1.29
10	1.76	.86	1.37	2.31	.71	1.55	1.81	.37	1.14	1.71	.79	1.33
11	1.63	.51	1.16	2.16	.57	1.45	1.79	.40	1.12	1.55	1.23	1.42
12	1.90	.52	1.26	2.01	.33	1.26	1.51	.38	.96	1.84	1.44	1.59
13	1.94	.44	1.23	1.92	.29	1.17	1.21	.34	.81	1.93	1.37	1.65
14	2.03	.42	1.31	1.86	.29	1.15	1.22	.37	.82	1.87	1.12	1.47
15	2.03	.42	1.30	1.87	.42	1.23	1.24	.71	1.00	1.62	1.08	1.33
16	1.98	.52	1.28	1.83	.85	1.38	1.42	1.06	1.22	1.59	.74	1.18
17	1.84	.54	1.21	1.71	.98	1.39	1.38	.84	1.09	1.50	.76	1.16
18	1.70	.53	1.17	1.64	1.09	1.32	1.41	.81	1.10	1.75	.84	1.32
19	1.86	.99	1.49	1.57	1.09	1.42	1.45	.69	1.11	1.98	1.17	1.58
20	1.86	1.39	1.63	1.81	1.04	1.42	1.69	.75	1.24	2.45	1.47	1.96
21	1.92	1.53	1.73	1.61	.75	1.21	1.68	.67	1.20	2.70	1.18	2.02
22	1.69	1.04	1.42	1.41	.48	1.01	1.77	.73	1.27	2.15	1.18	1.63
23	1.81	1.00	1.41	1.28	.41	.88	1.96	.74	1.37	1.79	.97	1.43
24	1.85	.87	1.40	1.69	.40	1.08	1.93	.84	1.40	1.80	1.26	1.53
25	2.06	1.04	1.54	1.86	.50	1.18	1.92	.63	1.35	2.09	1.50	1.75
26	2.37	1.12	1.76	1.59	.36	1.03	1.62	.49	1.05	1.97	1.22	1.63
27	2.33	.88	1.67	1.73	.20	.99	1.48	.49	1.00	2.29	1.40	1.78
28	1.96	.71	1.38	1.64	.27	1.02	1.45	.56	1.05	2.37	1.41	1.88
29	1.87	.52	1.26	1.64	.37	1.06	1.43	.97	1.20	2.39	1.20	1.72
30	1.87	.52	1.22	1.47	.45	.99	1.75	1.03	1.28	2.04	.95	1.36
31	---	---	---	1.50	.51	1.04	1.55	.93	1.20	---	---	---
MONTH	2.37	.42	1.38	2.31	.20	1.23	2.08	.34	1.14	2.75	.56	1.54

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 46,800 microsiemens, Nov. 30, 1996; minimum, 845 microsiemens, July 3, 1997.

WATER TEMPERATURES: Maximum, 34.1°C, Aug. 8, 1998; minimum, 2.9°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 46,300 microsiemens, Aug. 4; minimum, 4,180 microsiemens, July 14.

WATER TEMPERATURE: Maximum, 33.3°C, Aug. 21; minimum, 6.8°C, Jan. 5.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	36000	15100	21600	---	---	---	26100	19600	21100	25800	22000	23500
2	28100	16600	21100	---	---	---	26200	18700	23700	27400	24500	26500
3	28200	17200	23500	---	---	---	27000	21000	24400	24500	19400	21300
4	27500	17600	20900	---	---	---	27900	23400	26100	19400	17400	18400
5	29000	18200	24100	34800	17600	24600	27900	26400	27300	18000	17400	17700
6	31400	20000	24700	28600	17800	22300	27300	22200	26000	22100	16800	20000
7	28400	17100	21200	28800	16800	20800	27000	22000	25300	24400	21800	23600
8	21300	10800	15600	28100	19400	23100	27100	17200	23500	25500	23700	24600
9	20700	9450	14600	29200	19300	22200	17800	13200	14800	28400	18700	24100
10	18300	9290	13200	36100	25400	32700	21000	17800	20200	18800	15000	16900
11	17500	9130	12600	29400	15100	20700	23900	19300	20600	18800	14700	16300
12	17500	6840	11400	24200	11700	18900	24700	21400	24000	20900	16300	17700
13	11200	6510	8900	23800	13600	19200	21400	12200	15300	25100	20300	21900
14	15900	8220	11800	31200	22200	27100	12200	9340	10600	26900	22500	24500
15	22900	10100	17200	30800	21400	26600	12900	9710	10600	27000	19700	23300
16	33200	18400	28600	28900	21200	24600	14800	12100	12800	26300	21000	23900
17	43600	31500	36900	24500	14800	19600	19300	13200	16500	26600	22800	24700
18	43900	30300	37000	20700	16200	18500	25200	17900	20400	27400	23300	25000
19	38900	24700	32100	24700	14200	19800	27000	24400	25500	25000	21200	22800
20	32800	19900	26000	25000	15300	21700	25800	23500	24800	24100	21000	22600
21	---	---	---	23700	11900	18000	26000	24500	25600	26400	23000	25000
22	---	---	---	26200	16700	21400	26500	19000	23000	29900	26400	28600
23	---	---	---	24700	17300	21500	24600	20600	22100	28000	26500	27400
24	---	---	---	20400	13400	18300	27200	19800	23500	26500	24900	25700
25	---	---	---	22300	14700	19200	22200	20600	21400	24900	23700	24600
26	---	---	---	20800	12200	17100	20900	19100	19900	23700	17800	20800
27	---	---	---	18500	14000	16000	23000	20200	21200	18900	18300	18500
28	---	---	---	17700	12900	15600	23700	23000	23300	20600	18900	19400
29	---	---	---	20000	14000	17800	23700	22700	23300	22500	20600	21300
30	---	---	---	---	---	---	23200	19900	21300	22500	19800	21300
31	---	---	---	---	---	---	23700	21300	22600	21700	16300	18900
MONTH	---	---	---	---	---	---	27900	9340	21300	29900	14700	22300

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	19200	14700	17400	20400	12600	16200	27300	25100	26300	28500	18900	23000
2	19400	14800	17400	20900	14200	18000	28100	24600	26700	28700	23500	27000
3	17800	15000	16600	20600	9620	14900	27900	24600	27200	26500	22100	24100
4	18100	13200	15300	20400	10500	14600	27800	26300	27000	29200	23800	26700
5	16600	12900	14800	23200	18500	21400	26600	25100	25900	32500	27200	30100
6	16000	11200	13200	21500	14900	18200	25900	22000	23800	32600	29500	30500
7	16400	12300	14500	19100	14800	16000	22000	17000	19800	30000	24900	26800
8	15100	10600	12700	28200	16000	22000	20500	15500	17900	28900	23900	26400
9	14100	10000	12200	26800	23300	24700	21700	18400	20300	27700	25800	26600
10	14200	10200	12400	26400	18800	22300	21600	19300	20400	26600	23600	25200
11	13300	10600	11900	27500	19700	22900	21100	19900	20500	26400	23900	24900
12	11900	7760	9420	33900	18400	25100	20100	14600	16100	24700	21800	23700
13	8310	4860	5750	33600	30000	32200	17800	11400	13700	24000	21800	22800
14	12800	5280	6880	31900	20400	25900	19900	17800	19000	24600	20600	22400
15	14900	6360	9560	20400	16100	17600	19900	14400	17800	23900	20500	22200
16	18700	8230	13400	18600	15900	17000	14600	10500	13100	23900	21300	22500
17	20100	13200	15700	24200	17900	19700	14000	8600	11400	24000	21200	22500
18	17900	13300	15100	31900	24200	28000	10900	7710	9200	23800	21100	22200
19	20200	13000	16700	32700	23300	30300	16400	7590	11700	23200	20000	21700
20	18900	13300	16100	31300	20400	27300	16500	8990	13000	24100	20100	21800
21	17800	6200	12200	21400	10100	16700	19800	10900	15100	22900	20400	21600
22	18900	5210	10200	24700	12800	19500	33900	16600	24100	23100	20500	21600
23	21400	9450	16500	30600	19300	25000	34300	23800	29300	21900	19800	21100
24	20800	12000	15100	31200	23700	27700	33200	21100	24300	24400	18700	21400
25	23800	14600	18400	30500	22800	27600	27100	18300	22900	26100	18500	23000
26	25200	15900	19500	26600	15500	20500	27600	24700	26100	20600	17900	19100
27	25000	17700	20800	28800	16100	21400	28800	25900	28100	21000	16300	19800
28	22300	15100	18500	30200	25300	28300	27400	21800	25500	20800	16300	19200
29	---	---	---	30100	27300	28500	27000	21200	24800	18800	15900	17500
30	---	---	---	27700	22500	24700	23200	19200	21000	19200	15200	17200
31	---	---	---	25400	23500	24700	---	---	---	20200	14800	17800
MONTH	25200	4860	14200	33900	9620	22500	34300	7590	20700	32600	14800	23000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	21300	16300	19000	12300	7460	9500	33600	14400	29800	36500	32600	34400
2	21500	17700	19800	9500	7900	8770	40900	31600	37800	38800	32900	36100
3	20700	17300	18700	8660	7190	7930	44800	39200	42300	33600	28300	31700
4	19800	17400	18500	9210	8150	8700	46300	43200	45100	33800	26100	30800
5	19900	16800	18400	8240	5160	6610	45700	36200	39900	32600	22800	29300
6	19700	17300	18400	12200	4920	8230	39600	28900	35000	30300	21300	27400
7	20100	17600	18700	11800	7690	9670	38000	30200	35400	30100	20900	26100
8	20000	18800	19300	13900	5260	10500	36900	27400	33200	30000	22800	27300
9	21200	19200	20300	10400	5670	8870	34600	25400	30600	29500	21500	27500
10	21100	17000	19700	11300	5690	8980	30900	19600	26600	27200	21100	24800
11	19100	15000	17600	11900	5800	8460	28100	18500	23500	28500	26300	27500
12	19700	15400	18000	10800	4750	7360	24500	15900	20100	29700	27400	28700
13	19300	15100	17800	9520	4590	6290	24000	14000	18100	32900	27600	30000
14	19500	15200	18000	20400	4180	11700	24600	12700	17900	33900	26200	29800
15	19700	15900	18000	18700	5660	13500	31000	20900	26000	32800	29800	31400
16	20100	14500	18000	14600	6720	9830	30700	27900	29600	33100	26900	30000
17	19700	14100	17200	14900	6670	10600	30800	28800	29900	32500	26600	29700
18	19100	14100	16600	14000	7600	10500	39800	30800	36800	31100	27400	29300
19	19500	16800	18300	14200	9260	12000	40100	31000	38200	33300	27300	30500
20	19600	17500	18600	21100	9440	18200	37700	30900	34100	38100	29100	35200
21	19200	18100	18700	19800	8130	15600	33500	28000	31800	41200	35000	38900
22	18800	17000	17800	19200	12000	18000	34000	28000	31400	40500	34700	37700
23	17400	16400	17000	19000	12900	16600	34100	29800	32100	43000	34300	40100
24	17500	16400	17100	16200	7060	12400	35200	30300	32900	40200	36300	39300
25	18400	16400	17500	13100	7060	11000	35200	29300	33200	40300	38200	39500
26	18400	16900	17700	14200	6500	10600	34800	25200	30700	40200	38400	39300
27	17700	12700	16300	12700	6210	9630	34500	23600	29200	40300	37300	39200
28	17200	9390	12500	17600	5970	11500	34900	33000	34100	40300	37200	39000
29	14400	7740	11400	21300	6450	14100	36000	32200	34000	40000	32800	37500
30	11800	7500	9210	21200	7940	13600	37500	31000	34400	33900	29100	31500
31	---	---	---	30100	10300	22000	34800	31500	33500	---	---	---
MONTH	21500	7500	17500	30100	4180	11300	46300	12700	31800	43000	20900	32600

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	29.5	26.3	27.3	---	---	---	22.9	21.6	22.0	14.4	12.8	13.6
2	29.8	27.6	28.4	---	---	---	23.1	21.8	22.3	15.2	13.7	14.6
3	30.0	27.8	28.4	---	---	---	23.0	21.9	22.4	13.7	11.0	12.1
4	28.7	27.9	28.3	---	---	---	23.3	22.0	22.6	11.0	7.5	9.2
5	28.3	27.3	27.9	21.8	19.2	20.7	23.9	22.5	23.2	7.9	6.8	7.4
6	28.2	27.2	27.7	19.2	16.8	18.0	24.3	22.8	23.7	10.6	7.1	8.3
7	27.8	27.0	27.5	17.3	16.2	16.8	24.8	23.7	24.2	11.3	9.4	10.6
8	27.4	25.0	26.2	18.1	16.9	17.5	24.7	22.9	24.0	16.0	11.3	12.5
9	25.0	23.8	24.4	20.4	17.9	19.4	22.9	19.9	21.2	15.9	11.5	13.7
10	24.2	22.8	23.5	21.0	19.7	20.4	20.2	19.7	19.9	11.5	10.1	10.6
11	24.5	22.8	23.6	20.5	19.0	19.8	20.3	19.0	19.7	11.1	9.0	10.1
12	24.8	23.2	24.1	19.2	18.2	18.7	20.6	19.4	20.2	12.9	10.4	11.4
13	26.0	23.7	24.6	19.0	17.9	18.5	19.4	16.1	17.5	14.4	12.6	13.4
14	26.1	23.9	24.9	19.8	18.7	19.3	16.1	14.6	15.2	14.6	13.9	14.3
15	26.4	24.7	25.5	20.4	19.5	19.9	14.9	13.9	14.4	14.4	13.4	13.9
16	26.7	25.5	26.0	20.4	19.9	20.2	14.8	13.4	14.2	15.2	13.6	14.3
17	26.5	25.5	26.0	20.4	19.8	20.1	14.6	13.7	14.2	16.1	14.3	15.2
18	27.2	25.4	26.2	21.1	19.5	20.2	14.7	13.0	14.0	17.4	15.8	16.6
19	27.6	26.0	26.8	21.8	20.1	20.9	17.5	14.6	15.7	18.3	16.6	17.5
20	27.6	26.0	26.9	22.1	20.9	21.5	18.1	16.0	17.2	19.2	17.2	18.4
21	---	---	---	21.3	18.5	20.0	19.3	17.2	18.0	20.0	18.6	19.4
22	---	---	---	19.0	18.0	18.5	19.0	16.3	17.9	20.2	19.6	19.9
23	---	---	---	19.9	18.9	19.4	16.3	14.8	15.2	19.9	17.8	19.2
24	---	---	---	21.0	19.5	20.3	15.1	12.9	14.1	17.8	15.8	16.6
25	---	---	---	21.5	20.1	20.8	12.9	11.0	11.9	17.1	14.8	15.8
26	---	---	---	21.9	20.5	21.2	11.0	10.6	10.8	17.1	15.6	16.3
27	---	---	---	23.3	21.4	22.1	12.2	10.6	11.3	18.8	16.5	17.3
28	---	---	---	22.5	21.1	21.9	13.0	12.1	12.5	18.8	17.2	18.2
29	---	---	---	22.0	21.3	21.5	13.2	12.6	12.9	20.1	18.5	19.4
30	---	---	---	---	---	---	12.9	12.1	12.5	20.5	19.5	19.9
31	---	---	---	---	---	---	13.4	11.9	12.6	20.6	19.2	19.7
MONTH	---	---	---	---	---	---	24.8	10.6	17.3	20.6	6.8	14.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	20.1	18.6	19.2	20.0	17.8	18.6	21.9	19.2	20.3	24.2	22.7	23.4
2	19.1	18.5	18.7	20.1	18.1	19.2	23.5	21.1	22.1	25.0	23.5	24.1
3	18.7	18.1	18.2	19.6	17.6	18.7	23.8	22.5	23.2	24.8	23.5	24.1
4	19.4	18.1	18.7	17.6	16.3	16.8	24.3	23.5	23.9	24.3	23.5	24.0
5	19.9	18.4	19.1	18.0	15.9	17.0	25.1	23.8	24.4	25.9	24.1	24.9
6	20.4	18.8	19.6	19.8	17.6	18.7	26.4	24.9	25.5	27.1	25.3	26.1
7	20.7	19.6	20.2	19.7	17.3	18.1	26.7	25.8	26.2	26.9	26.4	26.5
8	22.4	20.7	21.3	18.2	16.9	17.6	27.2	26.2	26.6	27.4	26.2	26.6
9	22.7	21.5	22.0	19.2	18.0	18.5	26.5	25.2	25.8	26.9	26.1	26.4
10	23.6	21.7	22.5	19.6	18.6	19.1	26.5	25.3	25.9	26.6	25.7	26.1
11	23.5	22.1	22.7	20.0	18.9	19.4	27.3	25.6	26.1	25.7	24.7	25.2
12	22.5	17.8	20.4	19.8	19.4	19.6	27.2	26.1	26.5	24.9	24.1	24.5
13	17.8	15.3	16.2	19.8	19.2	19.5	26.6	25.3	25.9	26.6	24.4	25.4
14	15.3	13.7	14.7	19.2	14.7	16.9	25.5	24.5	25.0	27.1	25.5	26.1
15	16.1	13.5	14.8	14.7	12.5	13.6	25.4	24.3	24.9	27.6	26.1	26.8
16	17.8	14.8	15.8	16.1	12.9	14.4	24.3	20.5	22.4	27.7	26.2	27.0
17	17.0	16.2	16.7	17.6	14.1	15.9	20.5	19.2	19.8	27.7	26.3	27.0
18	18.1	16.3	17.1	19.0	16.6	17.6	20.0	18.3	19.2	28.1	26.9	27.5
19	17.7	16.6	17.2	19.7	18.4	18.7	21.1	19.0	19.9	28.4	27.5	28.0
20	17.6	16.0	16.8	21.5	18.7	20.0	22.4	20.1	21.1	29.0	27.7	28.3
21	17.0	14.5	16.1	20.9	19.7	20.1	22.8	21.1	21.9	28.9	27.8	28.3
22	14.5	12.5	13.3	20.5	19.5	19.9	24.1	21.7	22.8	29.2	28.2	28.5
23	13.9	12.2	13.0	20.5	19.0	19.9	26.2	23.5	24.7	29.3	28.1	28.6
24	15.7	12.8	14.3	21.6	20.2	20.8	26.2	25.4	25.6	28.3	27.8	28.0
25	16.5	13.9	15.4	21.9	21.1	21.4	26.8	25.7	26.3	29.0	27.9	28.3
26	17.9	15.2	16.7	21.3	19.8	20.5	27.0	25.9	26.5	29.2	27.5	28.3
27	19.0	17.2	18.0	20.1	18.5	19.1	26.9	25.8	26.3	29.8	27.8	28.5
28	19.2	17.8	18.5	19.3	17.8	18.6	27.6	26.1	26.5	30.2	28.6	29.1
29	---	---	---	20.1	19.0	19.4	28.4	26.7	27.4	29.2	28.2	28.8
30	---	---	---	19.8	19.0	19.3	27.4	24.2	26.0	29.0	28.0	28.4
31	---	---	---	19.2	18.9	19.0	---	---	---	28.9	27.2	27.8
MONTH	23.6	12.2	17.8	21.9	12.5	18.6	28.4	18.3	24.3	30.2	22.7	26.8

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.7	27.6	28.6	31.0	29.0	30.0	31.1	30.1	30.3	30.0	29.2	29.6
2	29.8	28.3	29.0	31.3	29.8	30.4	30.6	30.2	30.4	29.2	27.3	28.2
3	30.3	28.9	29.4	30.8	30.0	30.4	30.9	30.4	30.7	27.6	26.7	27.2
4	31.3	29.6	30.1	30.5	29.4	29.7	31.1	30.9	31.1	29.4	27.5	28.1
5	31.3	30.2	30.7	30.1	29.1	29.5	31.4	31.0	31.2	30.5	28.6	29.2
6	31.3	30.3	30.9	30.5	28.5	29.2	32.7	31.3	31.8	30.9	29.1	30.0
7	30.8	29.4	30.1	30.4	29.9	30.2	33.2	31.5	31.8	30.6	29.3	29.9
8	30.3	29.3	29.8	30.5	29.7	30.2	32.0	31.3	31.6	29.9	29.2	29.6
9	30.0	28.9	29.3	30.6	29.2	29.8	31.3	29.8	30.5	30.1	29.1	29.4
10	29.9	28.3	28.9	30.3	29.0	29.7	29.8	28.9	29.4	29.5	28.5	29.0
11	30.4	28.5	29.5	30.8	29.2	29.9	29.9	28.5	29.1	29.5	28.8	29.3
12	30.2	29.0	29.6	30.4	29.5	29.9	30.7	29.1	29.8	29.8	28.6	29.2
13	30.2	29.3	29.7	30.1	28.7	29.2	31.1	29.5	30.0	29.6	28.6	29.1
14	30.7	29.0	29.8	31.4	28.7	29.1	30.9	30.0	30.3	29.6	28.5	29.1
15	30.8	29.4	30.0	30.6	29.1	29.6	31.0	30.0	30.4	29.1	27.3	27.9
16	30.5	29.6	30.0	30.9	29.5	30.0	31.5	30.1	30.8	28.2	26.6	27.2
17	30.6	29.2	29.9	30.2	29.3	29.8	31.2	30.3	30.7	27.1	26.3	26.8
18	29.9	28.7	29.3	29.5	28.6	29.0	31.5	31.0	31.3	27.2	25.6	26.4
19	29.4	28.2	28.8	29.4	28.6	28.9	31.5	31.0	31.2	27.6	26.0	26.7
20	28.9	27.7	28.2	29.5	29.0	29.3	31.7	31.0	31.3	27.3	26.9	27.1
21	28.5	27.5	28.0	29.7	29.0	29.3	33.3	31.3	31.8	28.3	27.0	27.5
22	29.1	27.8	28.2	29.7	29.3	29.4	32.4	31.1	31.6	27.0	24.6	25.4
23	30.0	28.0	28.7	30.5	29.7	30.0	32.7	31.3	31.9	25.3	24.2	24.7
24	30.6	28.8	29.5	31.5	30.0	30.7	33.0	31.4	32.0	24.7	24.0	24.4
25	30.3	29.4	29.9	31.7	30.2	30.8	32.2	30.9	31.7	24.6	23.9	24.3
26	29.8	28.4	29.0	31.2	29.9	30.4	31.7	30.9	31.2	25.0	24.1	24.4
27	29.2	27.9	28.4	30.9	29.4	29.8	31.1	30.5	30.8	26.3	24.6	25.2
28	29.8	28.0	28.7	29.8	28.9	29.4	30.8	30.6	30.6	27.0	26.0	26.4
29	30.7	28.6	29.4	30.7	28.8	29.5	31.0	30.6	30.8	27.8	26.7	27.2
30	31.0	29.1	30.0	30.8	29.6	30.1	31.1	29.6	30.3	26.7	24.3	25.2
31	---	---	---	31.5	29.9	30.1	30.2	28.9	29.5	---	---	---
MONTH	31.3	27.5	29.4	31.7	28.5	29.8	33.3	28.5	30.8	30.9	23.9	27.5

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 NAVD 1988.

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, 3.07 ft, May 5; minimum, -0.47 ft, Jan. 4.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	2.50	1.30	1.94	2.24	1.72	1.94	1.33	.35	.85	2.00	.19	.99
2	2.17	1.45	1.81	2.24	1.87	2.04	1.55	.27	.89	2.00	.68	1.20
3	2.15	1.45	1.85	2.14	1.25	1.69	1.89	.37	1.07	.93	-.26	.31
4	2.18	1.61	1.86	2.07	1.11	1.58	1.86	.55	1.18	.86	-.47	.15
5	2.05	1.65	1.87	1.95	.54	1.11	1.81	.38	1.07	.87	-.26	.20
6	2.16	1.51	1.86	1.50	.28	.87	1.90	.67	1.27	1.22	.54	.83
7	2.07	1.21	1.68	1.49	.24	.83	1.94	.73	1.31	1.22	.44	.82
8	2.02	.82	1.38	1.55	.24	.91	1.74	.59	1.04	1.34	.77	1.06
9	1.82	.84	1.36	1.78	.63	1.16	1.31	.65	.88	1.25	.30	.66
10	1.90	.69	1.28	2.02	1.25	1.59	1.36	.78	1.08	.79	-.01	.42
11	1.78	.76	1.29	1.42	.67	1.03	1.42	.94	1.15	.89	.18	.53
12	1.73	.49	1.11	1.36	.93	1.15	1.42	.81	1.16	1.31	.14	.69
13	1.41	.68	1.06	1.47	1.03	1.26	.81	.15	.46	1.51	.58	1.04
14	1.53	.85	1.24	1.53	1.36	1.45	.79	-.01	.36	1.66	.40	1.01
15	1.61	1.27	1.46	1.51	1.02	1.25	.81	-.07	.34	1.54	.25	.90
16	1.93	1.59	1.79	1.39	.83	1.13	1.05	-.11	.42	1.67	.35	.97
17	2.20	1.93	2.06	1.38	.44	.89	1.00	-.23	.31	1.69	.55	1.08
18	2.15	1.82	1.93	1.55	.58	1.04	1.74	.01	.78	1.69	.54	1.05
19	2.05	1.55	1.73	1.76	.51	1.06	1.72	.49	1.06	1.49	.41	.94
20	1.91	1.39	1.65	1.76	.59	1.13	1.77	.24	.93	1.48	.47	.95
21	1.93	1.26	1.53	1.64	.65	1.12	1.77	.39	.99	1.82	.94	1.31
22	1.72	1.00	1.32	1.82	.60	1.17	1.51	.24	.84	2.30	1.77	1.97
23	2.15	1.52	1.77	1.83	.58	1.14	1.36	.37	.89	1.98	.58	1.23
24	2.18	1.22	1.68	1.49	.30	.88	1.36	.26	.72	1.03	.42	.72
25	2.17	1.13	1.63	1.57	.52	1.03	.88	.32	.62	1.01	.13	.57
26	2.21	1.23	1.67	1.24	.32	.78	.86	.44	.64	1.22	.10	.69
27	2.14	.99	1.55	1.04	.46	.77	1.16	.64	.90	1.53	.22	.89
28	2.05	1.27	1.69	1.03	.61	.80	1.21	.69	.98	1.80	.41	1.09
29	2.16	1.46	1.85	1.20	.80	.97	1.02	.47	.73	2.16	.64	1.33
30	2.20	1.49	1.86	1.22	.80	1.01	1.50	-.10	.63	2.11	.84	1.42
31	2.08	1.52	1.82	---	---	---	1.35	.14	.75	1.79	.57	1.15
MONTH	2.50	.49	1.63	2.24	.24	1.16	1.94	-.23	.85	2.30	-.47	.91

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.72	.55	1.11	1.61	.48	.97	1.55	1.29	1.45	1.90	.90	1.43
2	1.75	.73	1.21	1.61	.79	1.18	1.68	1.16	1.49	1.85	.79	1.36
3	1.62	1.02	1.33	1.47	.06	.65	1.95	1.17	1.65	1.83	.77	1.36
4	1.62	.87	1.16	1.45	.72	1.04	1.86	1.17	1.59	2.38	1.12	1.86
5	1.30	1.04	1.22	1.53	1.10	1.38	2.02	1.18	1.60	3.07	1.58	2.40
6	1.40	.96	1.17	1.29	.93	1.17	1.82	.91	1.40	2.42	1.59	2.07
7	1.31	1.00	1.17	1.25	.85	1.05	1.57	.75	1.17	1.97	1.35	1.65
8	1.38	.74	1.09	2.09	1.03	1.63	1.55	.73	1.15	2.19	1.13	1.64
9	1.54	.74	1.14	1.74	1.13	1.49	1.65	.70	1.26	2.03	1.36	1.75
10	1.56	.62	1.11	1.95	.94	1.48	1.93	1.00	1.51	1.98	1.48	1.76
11	1.81	.80	1.30	1.86	1.09	1.51	1.67	1.14	1.45	1.97	1.25	1.73
12	1.47	-.25	.44	2.43	1.24	1.86	1.38	.85	1.14	1.83	1.39	1.62
13	.89	-.16	.35	2.92	1.57	2.10	1.73	.90	1.25	1.84	.93	1.47
14	1.33	-.06	.54	1.71	.44	.88	2.20	1.49	1.74	1.88	.88	1.43
15	1.34	.13	.70	1.11	-.19	.43	2.28	.65	1.52	2.04	.94	1.50
16	1.71	.60	1.07	1.30	.52	.83	1.24	.53	.79	2.30	1.00	1.66
17	1.71	.91	1.24	1.38	.82	1.07	1.04	-.11	.65	2.28	.96	1.66
18	1.61	.96	1.27	1.40	1.06	1.20	1.00	-.12	.47	2.15	.83	1.50
19	1.62	.73	1.08	1.43	.70	1.07	1.08	-.15	.49	2.00	.71	1.39
20	1.41	.97	1.23	1.33	.40	.97	1.25	-.19	.61	1.84	.78	1.35
21	.97	-.02	.64	1.10	.30	.68	1.52	.10	.90	1.72	.78	1.28
22	1.41	-.16	.74	1.37	.29	.92	1.79	.84	1.35	1.54	.90	1.23
23	1.40	.56	1.00	1.70	.41	1.14	1.70	.92	1.35	1.45	.95	1.17
24	1.34	.09	.71	1.58	.51	1.09	1.32	.80	1.10	1.19	.88	1.03
25	1.58	.41	1.01	1.61	.54	1.09	1.40	.80	1.14	1.29	.61	1.01
26	1.75	.36	1.06	1.14	.21	.73	1.80	1.27	1.47	1.24	.56	.90
27	1.73	.70	1.22	1.46	.40	.96	2.08	1.32	1.67	1.28	.49	.89
28	1.67	.49	.95	1.70	.95	1.36	1.56	1.14	1.39	1.40	.42	.95
29	---	---	---	1.61	.91	1.29	1.69	.96	1.38	1.38	.50	.95
30	---	---	---	1.61	1.03	1.35	1.74	.93	1.34	1.64	.43	1.08
31	---	---	---	1.43	1.23	1.32	---	---	---	1.77	.41	1.18
MONTH	1.81	-.25	1.01	2.92	-.19	1.16	2.28	-.19	1.25	3.07	.41	1.43

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.85	.72	1.36	1.86	.60	1.33	1.23	.56	.90	2.13	1.51	1.76
2	2.01	.94	1.50	1.77	.79	1.31	1.25	.76	1.03	2.64	1.76	2.11
3	1.85	.80	1.33	1.84	.85	1.38	1.13	.97	1.03	2.26	1.20	1.78
4	1.64	.64	1.16	1.72	.98	1.36	1.37	.84	1.09	2.28	.94	1.66
5	1.68	.68	1.22	1.41	.87	1.16	1.71	.81	1.27	2.02	.73	1.44
6	1.74	.76	1.29	1.29	.88	1.15	1.76	.77	1.30	1.82	.62	1.30
7	1.66	1.11	1.44	1.43	.90	1.17	2.00	.77	1.43	1.86	.79	1.33
8	1.62	1.30	1.50	1.70	.97	1.31	2.00	.53	1.33	1.79	.86	1.37
9	1.77	1.29	1.53	1.93	.84	1.47	1.73	.49	1.16	1.70	.94	1.36
10	1.71	.89	1.37	2.16	.76	1.50	1.73	.43	1.13	1.74	.95	1.41
11	1.62	.57	1.16	2.05	.56	1.39	1.71	.43	1.09	1.61	1.31	1.48
12	1.85	.54	1.25	1.93	.40	1.23	1.47	.38	.94	1.99	1.55	1.70
13	1.78	.46	1.20	1.81	.34	1.14	1.22	.35	.80	2.02	1.57	1.77
14	1.92	.44	1.24	1.75	.34	1.11	1.15	.36	.80	1.93	1.36	1.60
15	1.94	.43	1.26	1.80	.48	1.22	1.24	.82	1.07	1.71	1.17	1.44
16	1.89	.55	1.25	1.75	.88	1.36	1.39	1.05	1.22	1.71	.88	1.29
17	1.85	.59	1.27	1.72	1.02	1.38	1.36	.86	1.09	1.56	.92	1.26
18	1.73	.69	1.25	1.69	1.11	1.32	1.38	.78	1.09	1.76	1.01	1.41
19	1.88	1.03	1.53	1.55	1.10	1.41	1.41	.68	1.09	2.02	1.39	1.72
20	1.94	1.48	1.72	1.74	1.14	1.43	1.65	.72	1.22	2.49	1.63	2.06
21	1.95	1.56	1.76	1.67	.83	1.28	1.65	.64	1.18	2.66	1.28	2.10
22	1.70	1.04	1.42	1.48	.58	1.10	1.72	.77	1.26	2.19	1.22	1.73
23	1.74	.99	1.38	1.29	.52	.93	1.92	.80	1.37	1.76	.99	1.39
24	1.76	.84	1.34	1.70	.51	1.13	1.86	.88	1.39	1.71	1.16	1.46
25	1.90	1.02	1.44	1.79	.55	1.19	1.80	.64	1.30	2.11	1.43	1.70
26	2.20	1.20	1.68	1.57	.42	1.03	1.53	.52	1.05	1.90	1.30	1.58
27	2.20	.92	1.61	1.59	.33	1.00	1.45	.51	1.00	2.13	1.38	1.73
28	1.81	.68	1.30	1.61	.33	1.04	1.52	.66	1.13	2.22	1.42	1.81
29	1.73	.55	1.18	1.62	.45	1.04	1.46	1.01	1.25	2.30	1.31	1.69
30	1.75	.54	1.17	1.46	.46	.96	1.97	1.09	1.35	1.89	.99	1.44
31	---	---	---	1.48	.55	1.04	1.61	1.05	1.31	---	---	---
MONTH	2.20	.43	1.37	2.16	.33	1.22	2.00	.35	1.15	2.66	.62	1.60

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, 41,400 microsiemens, Nov. 20, 1996; minimum, 516 microsiemens, July 3, 4, 1997.

WATER TEMPERATURES: Maximum, 35.2°C, Aug. 9, 1995; minimum 5.4°C, Jan. 5, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 38,000 microsiemens, Apr. 23; minimum, 3,970 microsiemens, July 13.

WATER TEMPERATURE: Maximum, 34.0°C, Aug. 21; minimum, 5.4°C, Jan. 5.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20100	9430	14200	---	---	---	22400	17500	19600	31600	18900	22800
2	23000	10200	16700	---	---	---	23400	17500	20000	34100	22300	27700
3	27600	15100	22600	---	---	---	25600	19100	21800	22300	14500	17300
4	26800	15900	22100	---	---	---	27700	21100	24200	14500	4380	8060
5	---	---	---	29300	17600	21900	28600	21400	24200	7960	6050	7210
6	---	---	---	19100	12300	16000	30500	25300	27500	23500	7820	13600
7	---	---	---	18000	13200	15500	31200	26500	28900	26600	20500	24200
8	---	---	---	18900	13100	15500	30400	24700	27500	29700	25400	27800
9	---	---	---	22600	15300	18800	26600	19100	23000	29300	16600	24100
10	---	---	---	28000	22600	26300	22300	20600	21500	16900	11500	13300
11	---	---	---	24000	14700	18400	23000	19800	20500	15900	12200	13500
12	---	---	---	19300	15100	17500	23200	18700	21900	20900	12300	15300
13	---	---	---	18400	17300	17800	18700	9750	13300	27900	14900	21000
14	---	---	---	20200	18400	19600	10700	6280	8080	28100	18900	23100
15	---	---	---	19600	15700	17700	10300	8160	8950	24900	14100	19800
16	---	---	---	18600	13200	14900	15200	8120	10200	25700	17800	22100
17	---	---	---	16100	11200	13300	15800	8380	11900	29900	20200	23800
18	---	---	---	19100	12400	14600	27800	11100	16500	30400	23200	25800
19	---	---	---	19900	13600	16600	31700	18100	24300	27600	20400	24200
20	---	---	---	20900	15200	17800	32400	25400	28800	28000	20500	24500
21	---	---	---	18900	13500	15800	33300	26700	29800	34300	27600	30900
22	---	---	---	18900	13600	16100	32500	25400	28800	37800	34300	35800
23	---	---	---	20000	15600	17400	27900	23400	26000	37600	26500	32600
24	---	---	---	19700	12800	15900	27000	19400	22900	26500	22000	24300
25	---	---	---	20300	15700	17500	20600	16700	18600	22400	18700	20600
26	---	---	---	20700	14000	16900	18300	15300	16900	22100	16900	19300
27	---	---	---	20100	13600	16900	22900	16800	19200	22800	17200	20000
28	---	---	---	18600	15100	16700	22900	19100	20500	26400	18300	21700
29	---	---	---	22200	17000	19500	20700	17800	18800	29900	22300	25500
30	---	---	---	22600	18100	20500	22900	15300	18200	30300	22800	26800
31	---	---	---	---	---	---	23800	17200	20500	29400	22300	24200
MONTH	---	---	---	---	---	---	33300	6280	20700	37800	4380	22000

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	26100	20600	23300	22700	15900	19000	20600	18200	19500	27200	23600	25600
2	25900	20200	22700	25100	18500	21900	22300	19800	21300	28600	26000	27300
3	25100	22100	23300	25100	12200	17200	24100	20600	22700	29800	25500	28200
4	25600	20800	22900	17100	10400	13600	24100	22600	23400	32300	29000	30800
5	21900	20400	21100	25100	17100	22000	24400	21800	23200	35000	31400	33000
6	23000	20000	21300	21500	17500	19800	23800	21500	22500	34300	32100	33500
7	23900	21400	22700	23000	19400	21000	22100	20700	21500	33100	30700	32200
8	22700	17700	20300	30400	20600	25000	22900	19500	21100	32300	29800	31200
9	23800	19300	21800	29200	23400	26500	23800	19900	22100	32500	30300	31600
10	24200	19300	22500	30100	23400	27900	24000	19700	22000	32700	31000	32200
11	24200	21200	23000	30300	26900	28400	24300	21300	22900	32400	29600	31500
12	22500	13100	18300	32800	28400	30400	21300	17600	19600	31400	27900	29900
13	13100	7250	8500	33300	30800	32400	19900	16400	17700	28600	25300	27700
14	9660	6900	7780	30800	21700	26900	23800	19900	22100	28800	25500	27000
15	11700	8390	9280	21700	14300	17200	23900	16800	21900	29700	25300	27400
16	18400	10800	12900	17100	14500	15700	17500	12700	15500	30700	25600	28800
17	20600	13300	16100	18600	16400	17100	13000	8460	11600	30900	27800	29700
18	20400	15800	17400	19100	18000	18600	12900	8540	10500	30400	27400	29100
19	21200	13500	17800	20500	16900	19100	13700	8640	11600	28700	26700	27700
20	19500	16800	18400	19800	14900	17600	18100	9290	13800	28900	25300	27300
21	19100	9590	14500	14900	10600	12600	26100	12400	18600	28500	25300	27100
22	11700	4480	7810	13900	10900	12600	35400	24700	30000	27600	25300	26500
23	16100	9590	12700	21900	13100	16900	38000	29800	34900	26600	24800	25800
24	17000	11400	13900	22400	16200	19500	36400	29700	32300	25300	21700	23900
25	21400	12400	17300	22200	16300	19000	31000	27100	29400	23400	16400	20300
26	23900	16100	19600	18700	14100	15200	37000	30700	34300	21600	19800	20600
27	27100	18800	22400	16200	11900	13900	37400	33000	36100	24400	20000	21400
28	27100	17300	20300	25700	15800	20000	35400	29100	33800	22200	18800	21000
29	---	---	---	26000	22600	24600	33800	29500	31900	21100	18700	20100
30	---	---	---	25400	20400	22400	29500	23800	27000	23000	18600	21000
31	---	---	---	20800	17300	18600	---	---	---	23400	17400	21000
MONTH	27100	4480	17900	33300	10400	20400	38000	8460	23200	35000	16400	27100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	25000	20100	23000	18500	8900	13900	22000	12000	17400	34700	27200	31000
2	26700	23100	25400	17500	11200	14700	30300	19600	25800	36500	32000	34000
3	27200	24400	25800	16800	10900	14100	33500	21400	27700	34400	27600	31500
4	26100	22400	24200	14900	10700	13300	32100	18500	24100	33200	27500	30900
5	25900	21300	23600	11600	5660	8730	24100	19600	22400	31700	24100	29200
6	24700	21800	23200	8590	5340	6960	26400	22600	24100	29200	20700	26400
7	25500	23400	24500	8260	4600	6540	28300	22400	25600	27900	21900	25400
8	26000	24100	25200	8880	4650	6950	29200	21700	25300	26000	21800	24100
9	26200	24800	25700	12000	7310	9900	26800	20900	24300	24500	19800	22800
10	26200	24100	25500	13600	6970	10500	25500	16200	21600	23200	19000	20900
11	25200	22900	24300	12600	6500	9380	22600	15000	19200	22500	20900	21700
12	24300	21700	23100	11400	4240	7750	20700	13600	17200	27400	22200	23900
13	24200	20300	22600	9480	3970	6300	18600	12800	15300	30600	24300	26700
14	24100	19600	21800	7990	4600	7030	19000	10600	14100	29500	23800	25700
15	23800	18200	21600	9520	4920	7270	18200	13900	15200	26000	19500	22400
16	23200	17900	21200	11100	7400	9020	23500	18200	21400	22300	19300	20900
17	21200	17300	19100	10100	8150	9090	25800	20700	23500	22300	19200	21300
18	19300	16300	17700	9500	8060	8630	29400	20700	25200	24100	20000	22000
19	19700	15500	16900	9210	6840	8050	31000	21400	26300	26600	21700	24900
20	21600	19000	20300	10500	8210	9200	34200	24700	31000	36500	24800	31200
21	21800	19900	21400	9240	6120	8190	35200	27500	31900	37500	28900	33700
22	21800	20100	21400	6880	4230	5910	34900	30300	32600	34500	27900	30400
23	21000	18900	20300	5540	4070	4580	36800	30000	34300	32600	28600	31000
24	21200	18900	19800	7100	4070	5530	36900	30300	34000	32100	29000	30500
25	22100	18900	20500	7750	4070	5960	36600	29700	33600	36400	30300	33400
26	22800	19400	21300	13000	4180	7070	33900	24500	30700	35800	32000	33700
27	21000	16200	19500	11300	4750	7630	32400	27600	30200	36400	33000	34500
28	18800	12200	16600	10800	4470	7710	31600	25900	27800	37300	32800	35200
29	15400	8950	12700	14500	5280	8900	29000	25700	27400	36400	30300	33900
30	14800	8910	10900	20000	5700	11000	31000	25000	27900	34600	26700	30900
31	---	---	---	19000	9180	14900	29600	25800	27400	---	---	---
MONTH	27200	8910	21300	20000	3970	8860	36900	10600	25300	37500	19000	28100

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	28.4	26.1	26.8	25.5	24.4	24.8	23.4	21.4	22.2	14.9	12.8	13.7
2	29.8	27.4	28.2	25.0	23.8	24.5	23.3	22.1	22.7	15.3	13.4	14.8
3	29.5	27.2	28.1	24.0	22.8	23.4	23.3	22.3	22.8	13.4	9.7	11.1
4	28.7	27.7	28.1	22.8	21.4	22.0	23.6	22.4	23.0	9.7	7.1	7.9
5	28.4	27.0	27.7	21.4	18.6	20.0	24.3	22.8	23.5	7.4	5.4	6.6
6	28.2	27.1	27.7	18.6	16.3	17.1	24.5	23.6	24.1	9.3	6.4	7.7
7	27.7	26.9	27.4	16.8	15.6	16.2	24.9	24.0	24.5	11.6	9.2	10.3
8	27.1	24.6	25.6	18.7	16.2	17.5	24.9	22.5	24.3	14.7	11.4	12.4
9	24.6	23.1	23.9	20.6	18.6	19.4	22.5	18.5	20.1	13.8	10.6	13.0
10	24.3	22.4	23.3	21.5	20.5	21.2	19.7	18.7	19.2	10.6	7.9	9.0
11	24.6	22.4	23.5	21.0	18.2	19.3	20.0	18.5	19.2	10.4	8.0	9.2
12	25.1	23.2	24.2	18.8	17.5	18.2	20.3	19.0	19.9	12.3	9.5	10.8
13	25.4	23.7	24.6	18.5	17.7	18.1	19.0	15.0	16.4	14.4	12.0	13.1
14	26.0	24.1	24.9	19.5	18.4	19.0	15.0	13.8	14.3	15.1	13.8	14.4
15	26.4	24.6	25.4	20.4	19.4	19.8	14.6	13.1	13.8	14.7	13.2	13.9
16	26.9	25.7	26.3	20.6	20.0	20.3	14.6	12.8	13.8	15.5	13.7	14.5
17	26.5	25.4	26.0	20.3	19.8	20.1	13.9	12.5	13.4	16.5	14.8	15.7
18	27.0	25.4	26.0	22.2	19.6	20.4	14.6	12.6	13.5	18.5	16.3	17.4
19	27.6	25.7	26.5	22.4	20.5	21.2	16.8	14.3	15.5	18.8	17.2	18.0
20	27.6	26.4	27.0	22.1	21.3	21.7	18.3	16.2	17.2	20.1	18.5	19.3
21	27.0	24.8	26.0	21.7	17.8	19.7	19.8	17.9	18.7	21.3	19.6	20.5
22	24.8	20.2	22.2	18.8	17.3	18.2	19.8	15.9	18.0	20.9	20.5	20.7
23	20.7	18.8	19.3	20.6	18.6	19.2	15.9	14.1	14.6	20.5	17.0	19.4
24	20.1	18.3	19.1	21.3	19.6	20.5	14.0	12.0	13.0	17.0	14.4	15.7
25	21.6	19.4	20.3	21.5	20.4	21.0	12.0	10.5	11.0	16.8	15.0	15.9
26	22.4	20.8	21.6	22.3	21.0	21.7	10.6	9.7	10.2	17.4	15.7	16.6
27	23.1	21.6	22.3	22.8	22.0	22.3	12.3	10.0	11.0	18.5	16.8	17.6
28	24.1	22.4	23.2	23.2	21.9	22.4	12.6	11.8	12.3	19.4	17.8	18.6
29	25.1	23.3	24.1	22.1	21.0	21.5	13.3	12.4	12.7	20.9	19.0	19.9
30	25.3	23.3	24.3	22.0	20.9	21.3	12.6	11.5	12.1	21.1	20.3	20.8
31	25.7	24.0	24.6	---	---	---	13.4	11.5	12.4	20.6	19.2	19.9
MONTH	29.8	18.3	24.8	25.5	15.6	20.4	24.9	9.7	17.1	21.3	5.4	14.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	19.6	18.6	19.0	19.8	17.9	18.7	21.9	19.4	20.6	23.9	21.8	22.8
2	19.2	18.6	18.8	20.3	18.7	19.5	23.3	20.9	22.1	24.5	22.6	23.5
3	18.8	18.2	18.3	20.0	17.5	18.6	24.0	22.5	23.2	24.6	23.1	23.9
4	20.1	18.2	19.0	17.7	15.4	16.5	24.4	23.3	23.8	24.1	23.3	23.8
5	20.0	18.6	19.2	17.8	15.9	16.9	25.3	23.6	24.4	26.3	24.1	25.2
6	20.5	18.9	19.7	20.2	17.7	18.9	26.8	24.9	25.6	27.3	25.4	26.3
7	21.3	19.9	20.7	19.9	17.0	18.2	27.5	26.0	26.7	27.6	26.0	26.7
8	22.4	20.9	21.5	18.1	16.7	17.4	27.0	26.0	26.6	27.2	25.6	26.4
9	22.5	21.6	22.1	19.1	17.9	18.4	26.4	25.2	25.8	27.2	25.4	26.4
10	23.4	21.8	22.6	20.1	18.2	19.2	26.7	25.1	25.9	26.8	25.8	26.3
11	23.8	22.2	23.2	20.3	18.9	19.6	26.5	25.2	25.9	25.8	24.5	25.0
12	23.4	16.8	19.5	20.0	19.3	19.5	27.1	25.6	26.2	25.0	23.7	24.4
13	16.9	13.6	15.0	19.9	19.1	19.5	26.2	24.7	25.6	27.1	24.6	25.7
14	14.9	12.5	13.7	19.1	14.7	16.5	25.2	24.1	24.8	28.2	25.8	26.9
15	15.3	13.0	14.1	14.7	11.7	13.4	25.3	23.5	24.7	28.0	26.6	27.3
16	17.3	14.8	15.7	15.9	12.9	14.3	23.5	19.8	20.7	27.9	26.4	27.2
17	16.9	16.1	16.6	17.9	15.2	16.5	20.2	18.8	19.5	27.5	26.3	27.0
18	17.7	16.2	16.9	19.8	17.2	18.6	20.1	18.0	19.3	28.1	26.6	27.4
19	17.6	16.5	17.1	21.2	19.4	20.0	20.9	19.1	20.1	28.5	27.1	27.9
20	17.4	16.0	16.6	22.5	20.4	21.2	22.6	20.1	21.3	29.4	27.4	28.2
21	16.9	13.4	15.8	21.8	19.2	20.1	22.9	21.2	22.0	28.9	27.3	28.1
22	13.4	10.9	12.1	20.3	18.8	19.6	24.2	22.0	23.0	28.9	27.7	28.2
23	13.8	11.6	12.7	21.0	18.6	19.8	26.3	23.9	25.0	28.9	27.9	28.3
24	15.2	13.0	14.1	22.2	20.0	21.1	27.4	25.5	26.2	28.6	27.2	27.8
25	16.5	14.2	15.4	22.4	21.5	21.9	27.9	26.1	26.9	29.3	27.7	28.5
26	18.3	15.9	17.0	21.7	19.1	20.0	27.2	26.2	26.8	29.2	27.6	28.5
27	19.1	17.7	18.4	19.2	17.6	18.6	27.4	25.8	26.6	29.0	27.7	28.3
28	19.3	18.1	18.8	19.6	17.7	18.6	29.2	26.7	27.3	30.8	27.8	29.0
29	---	---	---	20.6	19.0	19.6	29.2	27.3	28.1	29.5	28.4	29.0
30	---	---	---	20.1	18.8	19.2	27.3	23.9	25.4	28.9	27.6	28.1
31	---	---	---	19.6	18.5	19.0	---	---	---	29.5	26.8	27.9
MONTH	23.8	10.9	17.6	22.5	11.7	18.7	29.2	18.0	24.3	30.8	21.8	26.8

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA---Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.5	27.3	28.6	30.6	29.2	29.9	32.0	30.4	31.0	29.9	29.0	29.4
2	29.8	28.0	28.9	31.8	29.5	30.5	32.2	30.7	31.2	29.0	27.0	27.9
3	31.0	28.5	29.6	30.9	29.6	30.3	32.3	31.0	31.6	27.8	26.6	27.0
4	32.5	29.6	30.7	30.1	29.2	29.7	32.5	31.7	32.0	30.1	27.5	28.4
5	31.7	30.1	31.0	29.7	28.4	29.0	33.9	31.1	31.8	30.2	29.0	29.5
6	31.6	30.5	31.1	30.5	28.1	29.2	32.6	31.6	32.1	31.6	29.1	29.9
7	30.8	29.5	30.1	31.2	29.5	30.0	33.1	31.4	32.2	30.8	29.6	30.0
8	30.8	29.0	29.8	30.4	29.7	30.0	32.3	31.2	31.7	29.9	28.7	29.2
9	30.1	28.9	29.5	31.2	29.0	29.7	31.2	29.3	30.5	29.9	28.3	28.9
10	30.9	28.6	29.4	31.1	28.9	29.8	29.5	28.3	29.1	29.6	27.9	28.7
11	30.8	29.3	30.1	31.4	29.3	30.1	30.0	28.0	29.1	29.7	28.5	29.1
12	30.8	29.4	30.1	30.4	28.9	29.8	30.7	29.3	30.0	30.1	29.0	29.5
13	30.4	29.4	29.8	29.1	28.2	28.6	31.9	29.6	30.4	29.9	28.5	29.3
14	30.9	28.9	29.7	30.4	28.0	28.8	32.5	30.1	30.9	29.6	28.3	28.8
15	31.1	29.4	30.2	30.4	29.3	29.8	31.6	30.0	30.8	28.5	26.9	27.6
16	30.6	29.7	30.1	30.8	29.0	29.9	31.8	30.1	30.7	27.3	25.6	26.5
17	30.5	28.7	29.7	30.0	29.2	29.7	32.5	30.3	31.0	26.8	25.5	26.1
18	29.7	28.2	28.9	29.4	28.4	28.6	31.5	30.8	31.3	26.7	25.5	26.1
19	29.5	27.6	28.6	30.3	27.9	28.9	31.9	30.4	31.0	27.6	25.9	26.7
20	28.7	27.7	28.2	29.7	28.5	29.0	32.1	30.7	31.2	27.5	26.7	27.1
21	29.0	27.3	28.1	31.0	28.6	29.6	34.0	31.0	31.8	27.9	26.7	27.3
22	29.1	27.9	28.4	31.9	30.1	30.9	33.5	31.2	32.1	26.8	23.5	24.7
23	31.4	28.3	29.5	32.2	30.5	31.4	33.6	31.0	32.2	24.0	22.6	23.4
24	31.3	29.5	30.4	31.9	30.9	31.5	33.4	31.2	32.3	24.2	23.3	23.6
25	30.6	29.5	30.1	32.6	30.2	31.0	32.7	31.2	31.7	24.4	23.5	23.9
26	29.8	28.0	28.9	31.1	30.1	30.5	31.7	30.6	31.0	25.4	23.8	24.5
27	29.5	27.8	28.5	30.6	29.4	29.7	31.0	30.1	30.7	26.8	24.9	25.6
28	30.1	28.5	29.3	30.3	28.6	29.3	31.0	29.7	30.3	27.5	26.2	26.7
29	30.9	29.0	29.7	30.9	29.0	29.7	31.2	30.5	30.7	28.5	27.2	27.7
30	31.4	29.1	30.1	30.8	29.6	30.1	31.0	29.6	30.1	27.3	23.7	24.6
31	---	---	---	32.3	29.8	30.6	30.2	28.9	29.5	---	---	---
MONTH	32.5	27.3	29.6	32.6	27.9	29.9	34.0	28.0	31.0	31.6	22.6	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 NAVD 1988 (levels determined by Global Positioning System). Prior to Oct. 1, 1999, datum of gage was 0.28 ft above NAVD 1988.

REMARKS.--Stage affected by wind and tide. Satellite telemetry and rain gage 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, 2.97 ft, Mar. 13; minimum, -0.48 ft, Jan. 5.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	2.02	-.05	.94
2	---	---	---	---	---	---	---	---	---	1.95	-.25	1.27
3	---	---	---	---	---	---	1.84	.05	.89	1.41	-.32	.54
4	---	---	---	---	---	---	1.76	.16	.98	1.24	-.47	.23
5	---	---	---	---	---	---	1.76	.01	.86	.95	-.48	.16
6	---	---	---	---	---	---	1.88	.24	1.05	1.15	.36	.72
7	---	---	---	---	---	---	1.88	.44	1.12	1.12	.20	.69
8	---	---	---	---	---	---	1.69	.51	.98	1.26	.70	1.00
9	---	---	---	---	---	---	1.41	.58	.92	1.10	.53	.83
10	---	---	---	---	---	---	1.41	.72	1.03	.85	.16	.54
11	---	---	---	---	---	---	1.38	.94	1.14	.90	.08	.49
12	---	---	---	---	---	---	1.42	.96	1.22	1.27	.07	.65
13	---	---	---	---	---	---	1.01	.43	.71	1.54	.41	.97
14	---	---	---	---	---	---	1.01	.19	.58	1.76	.28	.96
15	---	---	---	---	---	---	.95	.03	.43	1.64	-.02	.84
16	---	---	---	---	---	---	1.10	-.07	.49	1.69	.16	.90
17	---	---	---	---	---	---	1.08	-.34	.39	1.67	.33	.99
18	---	---	---	---	---	---	1.82	-.09	.78	1.60	.38	.95
19	---	---	---	---	---	---	1.63	.33	.98	1.43	.18	.79
20	---	---	---	---	---	---	1.84	-.02	.83	1.43	.26	.83
21	---	---	---	---	---	---	1.78	.18	.84	1.67	.72	1.16
22	---	---	---	---	---	---	1.51	-.32	.82	2.06	1.39	1.73
23	---	---	---	---	---	---	1.77	.23	.91	2.00	.71	1.26
24	---	---	---	---	---	---	1.72	.20	.78	1.01	.29	.73
25	---	---	---	---	---	---	1.07	.37	.72	.95	.04	.50
26	---	---	---	---	---	---	.94	.47	.71	1.17	.00	.61
27	---	---	---	---	---	---	1.14	.63	.89	1.52	.04	.80
28	---	---	---	---	---	---	1.32	.57	.97	1.76	.17	.97
29	---	---	---	---	---	---	1.30	.32	.85	2.01	.18	1.14
30	---	---	---	---	---	---	1.57	-.31	.65	1.95	.47	1.26
31	---	---	---	---	---	---	1.41	-.18	.64	1.76	.30	1.06
MONTH	---	---	---	---	---	---	---	---	---	2.06	-.48	.86

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.78	.40	1.05	1.54	.40	.92	1.48	1.05	1.31	1.95	.80	1.36
2	1.78	.65	1.12	1.76	.71	1.09	1.58	.90	1.30	1.82	.50	1.22
3	---	---	---	1.76	.37	.78	1.81	.90	1.40	1.70	.54	1.15
4	---	---	---	1.23	.73	.93	1.62	.91	1.32	2.14	.75	1.55
5	---	---	---	1.31	.90	1.13	1.80	.82	1.33	2.67	1.14	2.05
6	1.28	.85	1.07	1.26	.86	1.09	1.75	.46	1.20	2.34	1.16	1.83
7	1.31	.81	1.11	1.23	.73	.97	1.45	.42	.97	2.04	1.05	1.57
8	1.32	.64	1.01	1.88	.85	1.45	1.44	.46	.99	1.85	.97	1.49
9	1.52	.62	1.05	1.69	.89	1.38	1.60	.58	1.15	1.90	1.12	1.59
10	1.52	.43	1.00	1.89	.80	1.38	1.81	.74	1.37	1.82	1.22	1.56
11	1.79	.58	1.19	1.75	.88	1.34	1.57	1.00	1.31	1.86	1.13	1.56
12	1.19	-.37	.60	2.14	.75	1.52	1.25	.65	1.00	1.66	1.17	1.45
13	1.07	-.08	.51	2.97	1.27	1.92	1.59	.77	1.14	1.78	.77	1.33
14	1.27	-.26	.50	1.62	.69	1.09	1.98	1.30	1.51	1.83	.59	1.28
15	1.29	-.11	.55	1.16	-.08	.58	1.98	.80	1.46	1.92	.50	1.25
16	1.71	.49	1.01	1.19	.40	.74	1.27	.50	.91	2.14	.48	1.36
17	1.67	.74	1.19	1.27	.69	.91	1.29	-.30	.70	2.19	.49	1.40
18	1.68	.88	1.26	1.35	.83	1.08	1.15	-.27	.48	2.16	.38	1.31
19	1.75	.82	1.13	1.35	.61	.99	1.09	-.36	.43	1.93	.40	1.23
20	1.35	.82	1.16	1.29	.39	.95	1.25	-.36	.54	1.79	.49	1.20
21	1.38	.02	.81	1.25	.34	.82	1.36	-.16	.73	1.62	.57	1.16
22	1.38	.02	.81	1.34	.20	.85	1.61	.43	1.08	1.46	.74	1.12
23	1.45	.28	.91	1.57	.20	1.00	1.50	.51	1.06	1.29	.67	1.06
24	1.28	-.06	.61	1.50	.29	.94	1.17	.53	.91	1.15	.86	.99
25	1.54	.28	.92	1.73	.36	1.06	1.23	.68	1.02	1.27	.59	.97
26	1.76	.01	.92	1.25	.12	.77	1.59	.98	1.25	1.26	.56	.89
27	1.69	.44	1.09	1.40	.31	.88	1.82	1.15	1.48	1.30	.33	.87
28	1.45	.36	.93	1.57	.72	1.13	1.59	1.03	1.32	1.46	.26	.88
29	---	---	---	1.45	.72	1.07	1.65	.75	1.28	1.55	.24	.88
30	---	---	---	1.45	.82	1.24	1.76	.78	1.31	1.56	.27	.94
31	---	---	---	1.39	1.18	1.29	---	---	---	1.80	.28	1.08
MONTH	---	---	---	2.97	-.08	1.07	1.98	-.36	1.11	2.67	.24	1.28
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.82	.69	1.24	1.78	.41	1.14	1.27	.63	.98	2.04	1.17	1.56
2	1.95	.56	1.32	1.67	.52	1.14	1.23	.82	1.06	2.33	1.19	1.80
3	1.83	.47	1.17	1.75	.52	1.20	1.20	.87	1.08	2.26	.94	1.57
4	1.60	.45	1.05	1.76	.80	1.21	1.39	.87	1.12	2.26	.71	1.49
5	1.60	.50	1.12	1.41	.79	1.17	1.72	.76	1.23	1.99	.55	1.32
6	1.58	.60	1.17	1.26	.90	1.11	1.84	.64	1.26	1.89	.48	1.24
7	1.56	.88	1.31	1.45	.85	1.15	2.02	.64	1.35	1.86	.58	1.25
8	1.58	1.23	1.40	1.66	.77	1.24	2.05	.26	1.22	1.86	.70	1.33
9	1.70	1.16	1.41	1.91	.62	1.30	1.86	.17	1.09	1.79	.93	1.34
10	1.69	.68	1.24	2.23	.49	1.36	1.83	.10	1.05	1.70	1.07	1.40
11	1.59	.37	1.03	2.06	.33	1.26	1.70	.35	1.02	1.54	1.28	1.42
12	1.89	.32	1.14	1.95	.13	1.13	1.48	.39	.92	1.77	1.47	1.57
13	1.82	.16	1.06	1.90	.18	1.08	1.26	.39	.86	1.89	1.48	1.65
14	1.95	.05	1.10	1.73	.26	1.02	1.17	.47	.89	1.92	1.25	1.56
15	1.96	.28	1.15	1.67	.29	1.09	1.24	.92	1.11	1.89	1.19	1.51
16	1.87	.33	1.15	1.68	.68	1.24	1.36	1.01	1.15	1.85	.76	1.21
17	1.88	.42	1.21	1.74	.81	1.27	1.25	.78	1.03	1.61	.73	1.19
18	1.71	.56	1.21	1.52	1.00	1.25	1.41	.80	1.10	1.79	.88	1.36
19	1.79	.95	1.47	1.49	1.06	1.31	1.43	.65	1.07	2.06	1.19	1.67
20	1.85	1.31	1.62	1.63	1.07	1.35	1.66	.57	1.14	2.54	1.56	2.06
21	1.93	1.41	1.64	1.67	.80	1.25	1.65	.58	1.13	2.67	1.38	2.05
22	1.64	1.00	1.33	1.60	.68	1.15	1.69	.56	1.16	2.34	1.27	1.83
23	1.76	.90	1.35	1.49	.52	1.02	1.91	.58	1.25	1.84	.89	1.42
24	1.76	.73	1.27	1.73	.49	1.13	1.88	.71	1.29	1.78	1.24	1.49
25	1.88	.71	1.31	1.82	.53	1.18	1.86	.48	1.23	2.02	1.46	1.68
26	1.98	.80	1.39	1.70	.41	1.07	1.53	.43	1.00	1.93	1.20	1.57
27	2.14	.57	1.37	1.71	.26	1.03	1.50	.57	1.04	2.14	1.32	1.71
28	1.81	.44	1.14	1.76	.44	1.07	1.55	.68	1.14	2.26	1.29	1.76
29	1.75	.25	1.06	1.68	.51	1.10	1.50	1.01	1.26	2.31	1.20	1.72
30	1.72	.33	1.03	1.53	.57	1.03	1.51	1.16	1.32	2.20	.98	1.53
31	---	---	---	1.53	.59	1.07	1.60	.89	1.20	---	---	---
MONTH	2.14	.05	1.25	2.23	.13	1.17	2.05	.10	1.12	2.67	.48	1.54

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, 56,500 microsiemens, Jan. 3, 1998; minimum, 3,330 microsiemens, July 13, 1997.

WATER TEMPERATURES: Maximum, 36.5°C, June 26, 1996; minimum, 2.5°C, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 51,100 microsiemens, Aug. 14; minimum, 12,800 microsiemens, July 23.

WATER TEMPERATURE: Maximum, 35.5°C, Aug. 1; minimum, 5.4°C, Dec. 15.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	31000	27700	30200	41500	40600	40900	---	---	---	40300	39300	39600
2	32900	30000	32000	41000	38800	40000	---	---	---	41200	39200	40300
3	34500	32900	33700	38900	37700	38400	32500	31800	32300	39400	38400	38800
4	35500	34500	35100	38400	35900	37900	32100	31400	31900	38400	37300	37800
5	36400	35500	36000	38700	38100	38400	31500	30400	31000	39300	37000	37500
6	37100	36400	36800	38800	38100	38600	30800	30400	30600	43000	39300	41900
7	37200	36800	37100	38400	38000	38100	30500	29900	30300	48100	43000	46300
8	36800	35700	36300	39600	38000	38600	30000	28900	29300	48000	46800	47600
9	35700	34700	35200	39200	38200	39000	28900	27200	28100	46800	42700	44200
10	34700	34400	34500	39000	37600	38700	35400	27400	30800	42700	41600	42400
11	35000	34400	34700	37600	36400	36900	37900	33100	35000	41800	40800	41400
12	35300	34900	35100	36800	36400	36500	38100	37600	37800	43400	41500	42500
13	35000	33100	34000	---	---	---	37700	36900	37400	44300	43300	43800
14	33200	32800	33000	---	---	---	36900	34500	36000	44100	38500	42800
15	35100	33000	34100	---	---	---	35000	33100	34000	39000	37700	38500
16	37400	35100	36400	---	---	---	37200	31700	32800	38400	37700	37900
17	39200	37400	38400	---	---	---	37000	32500	33000	40200	37900	39100
18	40300	39200	39900	---	---	---	39800	32900	36000	40500	39600	39900
19	40500	40100	40200	---	---	---	43000	39800	40900	40500	39800	40300
20	40400	40000	40200	---	---	---	43900	42500	43000	40300	39700	40000
21	40000	39100	39600	---	---	---	43200	42700	42800	39700	39200	39500
22	39100	38500	38800	---	---	---	42800	41200	42000	39200	34700	38500
23	38700	38400	38500	---	---	---	41200	40400	40600	34700	27600	31100
24	39200	38500	38900	---	---	---	40700	40500	40600	32800	28000	29500
25	39600	39200	39400	---	---	---	40500	40200	40300	35100	30400	32000
26	40000	39600	39900	---	---	---	40300	38600	39200	36600	33100	34500
27	40500	40000	40300	---	---	---	42700	38500	40100	37700	36400	37000
28	40900	40500	40700	---	---	---	43200	42200	42700	36900	35300	36500
29	42100	40900	41300	---	---	---	42200	40400	41400	35300	34300	34900
30	41700	41400	41500	---	---	---	40400	39000	39600	34600	30000	33300
31	41500	41300	41400	---	---	---	39300	38700	39000	30000	26100	27600
MONTH	42100	27700	37200	---	---	---	---	---	---	48100	26100	38600

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	31800	25900	27100	38200	28400	30500	34500	30000	33300	33300	32100	32900
2	32300	30900	31800	39000	36700	38000	34400	34100	34200	34000	33200	33800
3	---	---	---	38000	34700	36200	34100	33700	33900	35200	33900	34500
4	---	---	---	35700	33600	34300	33800	29900	31900	35700	35200	35600
5	---	---	---	38700	35700	37900	31500	29300	30200	35800	35400	35600
6	26100	23000	24200	39500	38700	39200	29800	28300	29000	35600	34200	34900
7	23200	21500	22800	39200	36900	37600	28900	28500	28700	34600	31500	33000
8	22600	22200	22300	36900	35800	36300	29000	28800	29000	32500	31000	31900
9	22500	21200	22200	36200	35700	35900	29000	28600	28800	32900	31900	32300
10	21200	20100	20600	36200	36100	36100	28800	28600	28700	33100	32700	33000
11	20100	18600	19300	36300	36100	36200	28700	27000	28100	33000	30900	31900
12	18700	15200	16400	36400	36200	36300	27200	26900	27100	30900	29600	30200
13	15800	15200	15500	36200	35400	36100	27300	26800	27000	30600	29700	30200
14	34700	15700	25100	35600	35100	35300	26800	25700	26300	31300	29600	30000
15	38100	33100	35700	35100	34300	34600	25700	24400	24800	31200	29700	30300
16	38600	37800	38100	38400	34300	35000	24500	23400	24000	29700	28200	29000
17	38300	35800	37400	41600	38400	40700	23400	22500	22700	28200	25800	27200
18	35800	33900	34700	42200	41400	41800	24500	22300	22900	26700	23200	24300
19	33900	33600	33700	41400	32000	34500	41600	24500	34500	24400	22600	23600
20	35700	33500	34000	32600	30000	31200	48200	36800	43400	24800	24300	24500
21	35100	34300	34700	32300	31600	32200	49600	46500	48500	24700	24400	24500
22	35600	35100	35300	39200	32300	34700	49700	46100	48400	24800	24500	24700
23	37000	35300	36300	40100	38800	39400	46500	38700	42800	25000	24700	24900
24	36700	36300	36500	39700	37300	39000	39300	36700	38000	25300	24500	24800
25	36400	36200	36300	37400	28700	31800	37000	32700	35300	29400	25300	27200
26	36500	36200	36300	29300	27200	28500	35400	34900	35200	32000	29400	30500
27	36300	34600	35900	31600	27200	28000	35400	33000	34800	36100	31400	33500
28	34700	29000	31800	34300	31400	33000	33000	28600	29700	36300	31700	34800
29	---	---	---	34500	34200	34300	31700	30500	31300	36100	34400	35000
30	---	---	---	34200	23800	27700	32100	31600	31900	34500	33300	34000
31	---	---	---	30000	27100	28900	---	---	---	33300	31000	32200
MONTH	---	---	---	42200	23800	34900	49700	22300	32100	36300	22600	30500

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	32100	30400	31100	36700	33400	34500	51000	33100	41200	45100	44200	44600
2	30600	27400	28800	34000	28100	30500	50200	34400	43700	44900	40200	43300
3	28400	24700	26600	28500	22100	25600	47600	34300	39800	40500	38000	38800
4	26200	24800	25500	24400	21200	23100	35900	33600	34400	39600	37500	38200
5	26400	25200	25800	22200	17700	19600	45500	35900	42900	37800	37600	37700
6	26000	25300	25700	21100	17500	19000	44300	40500	42500	37900	37600	37800
7	26000	25000	25700	20400	18000	18800	42000	38900	39700	38100	36600	37600
8	25200	20300	22300	26500	18300	22400	39500	38600	39000	38000	37000	37700
9	21400	20900	21200	24200	23100	24000	38900	22400	35200	38900	37200	37700
10	21400	20100	20700	24200	22400	23100	43700	24900	35700	39300	37400	38400
11	21100	19800	20400	25800	22200	24000	45000	37500	41000	41100	39200	39600
12	21500	20100	20900	26400	22200	23800	45600	38900	42000	42300	41100	41700
13	21800	20500	21100	23300	20600	21700	42200	37700	39100	43800	41900	42500
14	22200	20700	21500	30600	19500	25500	51100	34700	41600	43900	42600	43200
15	24200	22200	23000	28400	26400	27500	50200	36700	41900	42600	41900	42300
16	24900	23400	24200	28100	27900	28000	50500	49800	50300	41900	41400	41600
17	24800	22300	23600	28000	26600	27300	50400	43900	49000	42000	41300	41600
18	24100	21800	23000	27000	23500	24700	46300	40800	43500	42000	40700	41100
19	23900	20900	22400	23600	22700	23200	40800	38700	39300	42800	41800	42000
20	23100	21500	22800	24300	23300	23800	41200	39500	40500	43800	42700	42800
21	23900	22100	23100	24300	23400	23800	41300	40400	41000	43800	43500	43700
22	24400	22700	24100	23800	20000	20900	41700	41200	41500	44100	43700	43900
23	24500	24300	24400	20000	12800	13900	41900	41700	41800	44500	42700	43700
24	24500	24300	24500	32400	14500	25600	42000	41800	41900	43300	42600	42800
25	25800	24400	25000	34700	23000	30100	42000	40500	41500	42700	42400	42500
26	28200	25600	27100	29400	26900	28100	41800	41400	41600	43200	42400	42600
27	27700	27000	27300	36500	26500	31000	42000	41400	41600	43900	43000	43300
28	28000	26900	27500	34000	28000	30100	42800	40600	41600	44000	43600	43800
29	34400	26900	30300	43600	31400	37000	43700	41300	42400	44000	43600	43800
30	36900	26700	33300	49300	36500	42100	43700	41500	42100	43600	43000	43500
31	---	---	---	50900	37100	45300	45000	42300	44000	---	---	---
MONTH	36900	19800	24800	50900	12800	26400	51100	22400	41400	45100	36600	41500

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	31.4	26.9	28.7	26.1	24.8	25.4	---	---	---	16.8	14.6	15.6
2	31.3	28.0	28.9	25.2	23.8	24.6	---	---	---	16.6	14.7	16.3
3	30.2	28.6	29.3	23.8	22.4	23.0	23.5	22.2	22.9	14.7	10.2	11.7
4	29.7	28.3	28.8	22.8	20.7	21.4	23.9	22.3	23.0	10.2	7.0	8.2
5	29.2	27.7	28.3	20.7	18.3	19.4	24.9	22.9	23.8	8.0	5.4	6.4
6	28.9	27.6	28.2	18.3	15.5	16.6	25.1	23.8	24.4	13.3	8.0	11.1
7	28.3	27.3	27.7	17.0	15.0	15.9	25.9	24.1	24.8	15.4	13.3	14.5
8	27.8	24.5	25.9	21.2	17.0	18.6	25.5	23.3	24.7	17.7	15.1	16.1
9	24.5	22.6	23.6	21.6	19.4	20.3	23.3	19.4	20.8	17.5	12.6	15.7
10	24.4	22.2	23.3	22.2	21.4	21.8	20.6	18.7	19.7	12.6	9.0	10.0
11	25.4	23.0	24.3	22.1	18.7	20.2	20.8	19.3	19.8	10.4	8.2	9.2
12	26.1	23.8	25.0	18.7	17.7	18.0	21.8	20.1	21.1	13.4	10.3	11.9
13	25.4	23.2	24.6	---	---	---	20.1	14.8	16.6	15.2	13.4	14.3
14	26.3	23.7	25.2	---	---	---	16.2	13.6	14.8	16.8	15.1	15.9
15	26.5	25.3	25.9	---	---	---	15.6	13.1	14.3	16.2	14.4	15.1
16	27.9	25.8	26.6	---	---	---	16.7	13.8	14.9	16.8	14.8	15.5
17	27.2	25.8	26.4	---	---	---	16.7	12.7	13.8	16.6	15.6	16.0
18	27.9	25.7	26.6	---	---	---	16.4	13.5	14.7	19.9	16.4	18.0
19	28.2	26.3	27.3	---	---	---	18.7	16.4	17.4	18.9	17.3	18.0
20	27.9	26.5	27.2	---	---	---	20.7	18.1	19.3	20.9	18.6	19.5
21	27.3	24.6	26.0	---	---	---	21.8	19.4	20.5	21.5	20.2	20.8
22	24.6	20.0	22.2	---	---	---	21.8	16.1	19.5	20.9	20.2	20.6
23	20.0	18.2	18.8	---	---	---	16.1	14.4	14.8	20.2	15.9	18.2
24	21.4	17.9	19.2	---	---	---	14.5	12.5	13.6	15.9	13.8	14.5
25	23.0	20.4	21.8	---	---	---	12.5	10.5	11.4	15.5	13.4	14.5
26	24.1	22.3	23.2	---	---	---	10.6	9.8	10.2	16.8	14.2	15.7
27	24.4	22.6	23.5	---	---	---	14.5	10.4	12.2	19.2	16.7	17.7
28	24.6	23.3	23.9	---	---	---	16.0	14.5	15.3	21.0	18.4	19.6
29	25.3	23.9	24.4	---	---	---	15.7	13.8	15.0	22.1	19.9	20.8
30	25.4	24.0	24.6	---	---	---	13.8	12.4	12.9	20.6	19.7	20.3
31	25.9	24.2	25.0	---	---	---	15.1	12.7	13.7	19.8	17.5	18.5
MONTH	31.4	17.9	25.3	---	---	---	---	---	---	22.1	5.4	15.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	18.7	17.2	17.9	18.7	16.9	17.8	21.2	19.5	20.2	24.9	20.8	23.1
2	18.7	18.2	18.6	20.6	18.5	19.2	24.1	20.6	22.1	25.2	23.3	24.1
3	---	---	---	18.9	16.8	18.0	25.0	22.7	23.6	24.9	23.3	23.9
4	---	---	---	17.0	14.9	15.9	24.6	23.3	23.9	24.6	23.4	24.0
5	---	---	---	19.0	16.8	17.7	26.9	23.6	24.7	26.3	24.5	25.3
6	20.0	18.6	19.3	22.5	18.6	20.0	28.1	25.1	26.2	27.4	25.8	26.3
7	20.2	19.3	19.6	22.4	17.8	19.4	27.3	26.0	26.5	28.2	25.8	27.1
8	20.8	20.2	20.5	18.5	17.1	17.7	27.3	25.3	26.3	27.2	25.7	26.4
9	22.2	20.6	21.2	19.3	18.4	18.7	26.5	24.9	25.7	26.2	25.1	25.6
10	23.0	21.2	21.8	20.5	18.8	19.7	26.1	24.5	25.3	26.4	25.2	25.7
11	23.5	22.2	22.7	20.9	19.2	19.9	27.2	25.0	25.9	25.4	23.9	24.4
12	23.4	15.1	19.2	20.3	19.6	19.9	27.2	25.6	26.5	24.9	23.2	23.9
13	15.1	12.1	13.0	20.2	19.4	19.9	26.5	24.9	25.6	28.0	24.6	26.0
14	13.6	11.1	12.3	19.4	14.3	16.1	25.6	23.6	24.7	28.2	26.3	27.1
15	17.5	13.3	15.1	14.8	11.3	13.3	26.6	24.1	25.2	28.7	26.5	27.5
16	17.3	15.8	16.5	16.7	13.2	14.5	24.1	19.7	21.3	29.6	26.4	27.6
17	18.0	17.2	17.5	19.8	16.7	18.1	21.0	17.5	19.2	29.5	26.5	27.6
18	18.7	16.8	17.6	21.9	18.3	20.1	22.3	17.9	19.9	29.1	26.0	27.5
19	18.5	16.6	17.6	23.0	19.2	20.8	22.6	19.4	21.2	29.8	26.8	28.3
20	17.6	16.2	16.9	22.6	20.6	21.8	22.8	20.1	21.7	29.6	27.7	28.5
21	16.8	14.3	15.9	21.6	19.0	20.4	23.2	20.7	22.1	29.0	27.3	28.1
22	14.3	11.3	12.4	20.3	18.8	19.7	26.3	21.9	23.7	29.3	27.6	28.5
23	14.8	11.6	13.1	20.6	18.3	19.8	28.8	24.8	26.5	29.6	27.6	28.5
24	16.3	14.1	15.2	24.4	19.7	21.5	27.9	26.5	27.2	29.8	27.3	28.6
25	16.8	14.8	15.7	23.6	20.9	22.2	27.5	25.7	26.5	28.8	27.2	27.8
26	19.3	16.2	17.5	21.2	18.2	19.6	26.9	25.4	26.1	29.1	27.4	28.2
27	19.7	18.4	18.9	18.9	17.0	17.9	28.6	25.3	26.7	30.2	27.4	28.7
28	20.1	17.7	19.0	20.0	17.7	18.9	29.0	26.3	27.6	30.3	28.2	29.3
29	---	---	---	21.3	19.1	20.2	29.6	27.1	27.9	29.7	28.0	28.9
30	---	---	---	20.6	18.3	19.2	27.9	24.4	26.0	28.9	27.7	28.2
31	---	---	---	19.9	18.8	19.4	---	---	---	30.3	26.6	28.2
MONTH	---	---	---	24.4	11.3	18.9	29.6	17.5	24.5	30.3	20.8	26.9

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.7	28.1	29.2	31.2	28.8	29.9	30.9	29.5	30.2	30.1	28.8	29.4
2	31.3	28.6	29.5	32.0	29.0	30.3	31.1	29.5	30.3	28.8	26.4	27.6
3	31.9	28.6	30.0	30.8	29.2	30.0	34.6	29.8	31.9	27.3	26.1	26.5
4	31.2	29.6	30.1	30.7	28.8	29.7	33.4	31.3	32.4	31.0	27.0	28.7
5	30.6	29.0	29.6	30.8	28.6	29.7	33.1	31.3	32.1	32.1	28.8	30.4
6	31.7	29.5	30.5	30.5	29.3	29.9	33.9	31.9	32.7	32.5	29.8	31.0
7	31.5	28.9	30.0	31.6	29.2	30.3	33.7	31.5	32.6	31.4	29.6	30.5
8	30.3	28.2	29.4	31.5	30.2	30.6	32.8	31.2	31.9	31.5	29.1	30.0
9	29.7	28.6	29.1	31.0	29.5	30.3	31.4	27.4	29.8	32.6	29.1	30.5
10	30.3	27.7	28.9	31.0	29.0	29.9	29.8	28.8	29.4	31.2	27.6	29.4
11	31.7	29.0	30.2	31.1	29.5	30.3	31.5	28.9	30.0	31.0	28.5	29.3
12	32.3	29.5	30.9	31.0	29.6	30.3	32.2	30.2	31.3	30.6	28.8	29.7
13	31.2	29.5	30.0	29.7	28.2	29.0	33.5	29.3	31.3	30.5	28.7	29.5
14	30.4	28.8	29.4	30.8	27.8	29.6	32.3	29.5	30.4	29.8	28.0	28.9
15	30.7	28.9	29.5	31.4	30.0	30.6	30.8	29.1	30.0	28.6	26.4	27.5
16	30.3	29.6	29.9	31.3	29.5	30.2	31.5	30.1	30.7	27.5	25.2	26.4
17	31.6	29.2	30.2	31.1	29.5	30.2	35.5	30.2	32.1	27.8	25.1	26.4
18	30.6	28.9	29.7	29.8	28.1	28.8	34.1	31.4	32.5	27.6	25.1	26.3
19	29.6	27.8	28.7	30.4	27.9	28.9	31.6	29.8	30.8	28.8	26.3	27.5
20	29.4	27.4	28.2	29.9	28.5	29.2	32.6	30.9	31.7	28.6	27.4	27.8
21	29.0	27.3	28.1	31.5	28.8	29.8	32.9	31.3	32.0	29.9	27.2	28.3
22	29.4	27.8	28.4	34.4	29.7	31.7	33.1	31.6	32.2	28.1	24.7	25.6
23	30.8	28.5	29.5	33.6	29.8	31.5	33.2	31.5	32.2	26.2	23.1	24.5
24	31.4	29.5	30.4	33.7	31.1	32.2	32.9	31.4	32.1	26.0	24.1	25.1
25	30.6	29.7	30.2	33.2	31.3	32.2	33.2	30.8	32.0	25.1	24.2	24.5
26	30.1	28.4	29.1	32.8	30.9	31.5	31.8	30.4	31.0	25.3	24.0	24.5
27	29.7	27.8	28.6	31.2	29.2	30.1	32.3	30.0	31.0	27.1	24.9	25.9
28	30.4	28.6	29.4	31.5	28.2	29.6	32.4	30.0	31.3	28.3	26.5	27.2
29	31.8	28.9	30.2	31.7	29.1	30.4	31.9	30.3	31.1	30.0	27.3	28.2
30	31.5	29.1	30.1	31.5	29.8	30.5	31.9	29.2	30.1	28.0	24.0	25.5
31	---	---	---	31.0	28.9	29.9	30.5	28.8	29.8	---	---	---
MONTH	32.3	27.3	29.6	34.4	27.8	30.2	35.5	27.4	31.3	32.6	23.1	27.8

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 NAVD 1988 (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, 2.93 ft, May 5; minimum, -0.14 ft, Jan. 4.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.88	1.23	1.59	2.04	1.62	1.82	1.19	.62	.89	1.44	.56	.92
2	1.76	1.23	1.52	2.10	1.81	1.97	1.28	.62	.92	1.61	.89	1.25
3	1.78	1.38	1.60	1.89	1.38	1.62	1.44	.73	1.05	.89	.14	.43
4	1.80	1.38	1.60	1.89	1.34	1.58	1.53	.87	1.23	.64	-.14	.23
5	1.99	1.41	1.80	1.79	.89	1.26	1.57	.83	1.19	.47	-.06	.19
6	2.23	1.81	1.99	1.33	.58	.94	1.59	1.03	1.34	1.02	.47	.74
7	2.23	1.60	1.84	1.23	.63	.93	1.70	1.10	1.40	1.11	.65	.89
8	1.95	1.26	1.55	1.29	.61	.95	1.62	.76	1.24	1.28	.87	1.05
9	1.72	1.11	1.43	1.37	.84	1.13	1.05	.73	.86	1.28	.45	.93
10	1.67	1.07	1.37	1.74	1.34	1.56	1.23	.91	1.08	.72	.21	.44
11	1.59	1.07	1.33	1.49	.86	1.17	1.32	.97	1.10	.82	.23	.56
12	1.55	.88	1.25	1.30	1.01	1.18	1.35	.84	1.16	1.11	.38	.67
13	1.28	.85	1.07	1.39	1.09	1.24	.84	.30	.46	1.33	.74	1.02
14	1.38	1.00	1.19	1.52	1.39	1.46	.58	.04	.25	1.35	.70	1.03
15	1.54	1.11	1.42	1.50	1.18	1.32	.59	.03	.28	1.31	.60	.91
16	1.94	1.54	1.82	1.47	1.01	1.18	.69	.02	.33	1.31	.62	.96
17	2.25	1.93	2.13	1.31	.72	.97	.69	-.05	.28	1.38	.77	1.09
18	2.24	1.87	2.00	1.37	.76	1.04	1.16	.18	.57	1.43	.81	1.10
19	2.06	1.66	1.81	1.43	.78	1.08	1.28	.56	.96	1.35	.72	1.03
20	1.86	1.51	1.68	1.49	.87	1.18	1.34	.59	.96	1.32	.68	1.01
21	1.87	1.37	1.55	1.41	.91	1.15	1.42	.70	1.04	1.65	1.04	1.31
22	1.51	1.02	1.27	1.41	.85	1.13	1.31	.61	.95	2.22	1.65	1.95
23	1.70	1.39	1.55	1.52	.83	1.16	1.08	.62	.86	2.09	1.07	1.55
24	1.84	1.32	1.58	1.29	.63	.96	1.17	.42	.76	1.07	.79	.93
25	1.78	1.34	1.55	1.31	.74	1.02	.74	.35	.56	.98	.47	.72
26	1.87	1.38	1.61	1.15	.58	.87	.73	.44	.57	1.11	.46	.76
27	1.83	1.23	1.54	.97	.59	.80	1.14	.64	.85	1.32	.56	.89
28	1.76	1.36	1.57	.96	.70	.81	1.14	.81	.99	1.55	.77	1.09
29	1.92	1.52	1.73	1.17	.89	1.00	1.09	.54	.74	1.79	.99	1.35
30	1.96	1.54	1.77	1.20	.88	1.04	1.14	.29	.62	1.84	1.16	1.51
31	1.91	1.54	1.75	---	---	---	1.16	.46	.80	1.62	1.00	1.27
MONTH	2.25	.85	1.60	2.10	.58	1.18	1.70	-.05	.85	2.22	-.14	.96

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.44	.87	1.16	1.31	.72	.97	1.66	1.40	1.53	1.70	1.12	1.43
2	1.53	1.00	1.26	1.41	.92	1.17	1.76	1.44	1.66	1.66	1.12	1.40
3	1.53	1.17	1.37	1.42	.52	.86	1.97	1.44	1.77	1.81	1.09	1.46
4	1.57	1.10	1.29	1.36	.60	.99	2.01	1.69	1.82	2.28	1.36	1.91
5	1.34	1.21	1.30	1.62	1.30	1.49	2.16	1.52	1.82	2.93	1.87	2.41
6	1.40	1.07	1.22	1.32	1.10	1.24	1.84	1.46	1.64	2.49	2.12	2.30
7	1.38	1.09	1.23	1.26	1.00	1.12	1.71	1.16	1.42	2.12	1.72	1.89
8	1.35	.96	1.16	1.85	1.11	1.53	1.53	1.11	1.31	2.31	1.51	1.81
9	1.45	.97	1.20	1.70	1.37	1.55	1.62	.95	1.36	2.07	1.65	1.87
10	1.49	.92	1.20	1.81	1.26	1.53	1.93	1.24	1.55	2.16	1.72	1.93
11	1.66	1.11	1.34	1.88	1.37	1.61	1.92	1.41	1.59	2.18	1.81	1.98
12	1.65	.45	.87	2.46	1.63	1.97	1.59	1.16	1.31	1.99	1.65	1.83
13	.70	.14	.37	2.43	1.85	2.17	1.67	1.03	1.29	1.90	1.38	1.71
14	.95	.18	.49	2.02	.99	1.32	2.11	1.52	1.76	1.87	1.33	1.60
15	1.02	.39	.72	1.04	.41	.68	2.18	1.17	1.69	1.93	1.33	1.66
16	1.32	.73	.98	1.15	.70	.90	1.17	.74	.95	2.22	1.40	1.80
17	1.45	.95	1.22	1.25	.96	1.11	.84	.35	.67	2.17	1.51	1.84
18	1.42	1.03	1.23	1.36	1.11	1.26	.77	.19	.46	2.02	1.42	1.70
19	1.42	.84	1.12	1.42	.89	1.22	.89	.14	.48	1.94	1.27	1.60
20	1.36	.87	1.20	1.25	.74	1.02	.93	.18	.58	1.77	1.24	1.52
21	1.17	.27	.78	.95	.53	.73	1.45	.36	.83	1.73	1.19	1.45
22	1.11	.15	.61	1.21	.51	.89	1.77	1.08	1.38	1.55	1.18	1.37
23	1.24	.69	.96	1.53	.59	1.10	1.75	1.28	1.51	1.54	1.14	1.26
24	1.17	.53	.83	1.49	.87	1.17	1.68	1.15	1.32	1.22	.98	1.09
25	1.38	.67	1.00	1.53	.86	1.15	1.42	1.02	1.21	1.23	.77	1.03
26	1.51	.73	1.08	1.19	.60	.84	1.79	1.30	1.54	1.18	.77	.96
27	1.52	.95	1.24	1.31	.59	.94	1.98	1.50	1.75	1.20	.73	.94
28	1.49	.80	1.09	1.71	1.13	1.42	1.55	1.26	1.46	1.23	.71	.99
29	---	---	---	1.85	1.23	1.49	1.60	1.22	1.44	1.32	.74	1.01
30	---	---	---	1.67	1.22	1.49	1.65	1.04	1.35	1.50	.77	1.13
31	---	---	---	1.42	1.25	1.34	---	---	---	1.53	.90	1.21
MONTH	1.66	.14	1.05	2.46	.41	1.23	2.18	.14	1.35	2.93	.71	1.55
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.69	.98	1.35	1.77	1.12	1.49	1.02	.69	.83	2.06	1.39	1.72
2	1.87	1.22	1.53	1.80	1.24	1.52	1.11	.74	.94	2.61	1.89	2.18
3	1.70	1.20	1.43	1.90	1.29	1.55	1.04	.88	.93	2.26	1.59	1.97
4	1.57	1.04	1.29	1.74	1.34	1.55	1.14	.81	.98	2.12	1.33	1.78
5	1.59	.99	1.29	1.46	1.20	1.32	1.42	.90	1.17	1.87	1.11	1.54
6	1.70	1.04	1.35	1.36	1.09	1.24	1.49	.90	1.22	1.62	1.03	1.34
7	1.74	1.21	1.50	1.43	1.10	1.27	1.62	.94	1.31	1.59	1.02	1.30
8	1.72	1.44	1.57	1.58	1.13	1.35	1.65	.88	1.32	1.51	1.00	1.28
9	1.94	1.45	1.65	1.79	1.20	1.53	1.46	.83	1.17	1.57	1.11	1.32
10	1.74	1.21	1.53	1.91	1.25	1.61	1.49	.85	1.15	1.67	1.07	1.43
11	1.59	.99	1.33	1.86	1.19	1.52	1.39	.76	1.08	1.65	1.36	1.51
12	1.65	.98	1.31	1.72	1.11	1.40	1.25	.72	.96	2.02	1.60	1.79
13	1.60	.97	1.29	1.62	1.00	1.30	1.04	.57	.78	2.11	1.72	1.86
14	1.59	.93	1.28	1.56	.91	1.23	1.03	.45	.69	1.98	1.54	1.74
15	1.71	.92	1.32	1.68	.94	1.28	1.15	.74	.96	1.71	1.11	1.44
16	1.69	1.01	1.34	1.67	1.14	1.43	1.30	1.10	1.22	1.73	1.10	1.39
17	1.67	1.00	1.34	1.65	1.26	1.46	1.33	.82	1.12	1.50	1.07	1.27
18	1.56	1.02	1.30	1.76	1.26	1.40	1.25	.82	1.06	1.55	1.07	1.34
19	1.92	1.14	1.49	1.57	1.24	1.44	1.27	.78	1.06	1.88	1.28	1.59
20	2.06	1.52	1.75	1.71	1.34	1.53	1.44	.85	1.17	2.12	1.51	1.80
21	1.98	1.70	1.83	1.60	1.09	1.38	1.45	.83	1.18	2.30	1.55	1.96
22	1.84	1.33	1.61	1.41	.81	1.16	1.51	.85	1.23	1.85	1.17	1.57
23	1.71	1.22	1.47	1.12	.72	.92	1.69	.97	1.35	1.65	1.24	1.48
24	1.74	1.20	1.46	1.33	.72	1.06	1.65	1.02	1.39	1.66	1.23	1.49
25	1.81	1.18	1.54	1.44	.80	1.13	1.60	1.03	1.35	2.10	1.43	1.76
26	2.08	1.45	1.87	1.35	.74	1.04	1.54	.89	1.15	1.84	1.48	1.64
27	2.26	1.64	1.94	1.39	.70	1.02	1.35	.77	1.06	2.00	1.58	1.79
28	1.86	1.33	1.63	1.37	.67	1.00	1.43	.82	1.13	2.10	1.69	1.90
29	1.67	1.22	1.44	1.32	.70	.99	1.39	1.08	1.23	2.16	1.41	1.83
30	1.65	1.07	1.36	1.23	.66	.93	1.61	1.12	1.26	1.75	1.15	1.44
31	---	---	---	1.24	.67	.96	1.41	1.16	1.30	---	---	---
MONTH	2.26	.92	1.48	1.91	.66	1.29	1.69	.45	1.12	2.61	1.00	1.62

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, 39,200 microsiemens, Oct. 12, 1997; minimum, 297 microsiemens, Mar. 11, 1998.

WATER TEMPERATURES: Maximum, 34.0°C, Aug. 19, July 3, 1995; minimum, 2.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 30,800 microsiemens, May 5; minimum, 911 microsiemens, Feb. 22.

WATER TEMPERATURE: Maximum, 33.3°C, Aug. 23; minimum, 5.6°C, Jan. 5.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	3950	3030	3460	15300	8470	10800	3040	1960	2380	2580	1830	1920
2	3630	3420	3510	20300	15300	18900	2620	1900	2250	5410	1830	3500
3	3570	3300	3490	21700	10100	15400	2480	2130	2300	2260	1860	2010
4	3530	3180	3370	10500	7660	8870	4090	2330	3190	2130	1510	1830
5	5420	3400	3720	7680	4250	6680	5350	2660	3840	1770	1150	1440
6	6980	5420	6650	5280	3700	4360	6420	2930	4270	2430	1470	1850
7	6410	3830	5020	5290	3410	4220	7590	4360	5790	2450	2170	2310
8	6190	3360	4650	6310	3270	4840	6200	2840	4760	6120	2360	3150
9	3360	2620	2870	6590	4060	5590	4250	2800	3350	6310	1820	3590
10	2930	2630	2750	7560	6290	6970	3700	2620	3040	2240	1580	1820
11	2990	2660	2810	6670	3610	5160	3160	2520	2770	1880	1640	1720
12	2940	2740	2850	4930	3500	4110	5960	2810	4110	1850	1610	1670
13	2740	2440	2590	4870	3900	4550	2860	1880	2310	2170	1830	1930
14	2470	2370	2400	5890	4630	5560	1880	1460	1580	2260	1790	2010
15	3170	2380	2680	6220	3710	4630	1500	1280	1350	2060	1700	1870
16	3520	3000	3260	5080	3370	3800	1390	1300	1320	2000	1720	1850
17	11000	3380	6580	3420	2690	3080	1500	1310	1360	2120	1820	1960
18	13400	7810	11100	2910	2430	2610	2690	1320	1500	3210	2050	2500
19	9500	6500	8060	2790	2350	2610	3900	2390	2770	3760	1980	2430
20	7500	5800	6580	3020	2350	2680	7950	2800	5480	2420	1990	2150
21	7600	4620	6360	2490	2280	2440	10600	4000	7710	7560	2080	5490
22	4980	2430	3430	2880	2160	2460	11300	2830	5880	26300	7310	17100
23	5500	2430	4220	2980	2420	2610	3740	2000	2750	29000	11800	20500
24	6500	4190	5030	2940	2420	2570	2670	1890	2340	12200	5280	7650
25	6080	4300	4840	2650	2420	2540	2290	1570	1930	14600	3380	7010
26	5600	4630	5150	2540	2250	2400	1690	1460	1530	9240	2740	4910
27	6420	4150	5460	2290	2140	2230	3330	1590	2160	4500	2920	3230
28	6290	4960	5500	2190	1950	2120	4020	2720	3140	6150	4120	4950
29	9330	5300	7230	2320	1950	2190	2740	1740	2210	7950	4760	6120
30	12200	8620	10600	2680	2290	2460	2220	1770	1950	9480	6360	7460
31	13600	8710	11000	---	---	---	1960	1800	1870	9410	4350	5760
MONTH	13600	2370	5070	21700	1950	4980	11300	1280	3010	29000	1150	4310

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	9520	4990	7210	2370	1540	1810	4950	2770	3600	13400	6170	9860
2	7680	5220	6730	3140	1830	2560	6520	4570	5350	15000	10700	13400
3	7630	5620	6640	2960	1400	1900	6610	4030	5280	15300	10800	12600
4	8380	4210	6420	1550	1250	1400	6780	5020	5930	21900	15300	18000
5	5290	4090	4720	7120	1540	4120	8820	6150	7410	30800	20100	25400
6	5650	4160	4890	6040	2630	4720	8850	5660	7450	30400	25500	28500
7	7070	5600	6410	2630	1580	2100	7380	5860	6770	27300	22400	24300
8	6880	3230	4410	7930	2090	4480	6880	5620	6140	22400	18500	20700
9	4830	3230	3810	12000	5070	8540	6540	3900	4910	21800	18900	20500
10	4570	3260	3810	12000	5460	8790	10100	4680	5880	22200	20300	21600
11	5290	3750	4200	10000	6260	8200	9940	6340	8270	22600	17800	20700
12	5390	1430	3190	11400	7260	9760	8620	3630	5160	18000	16500	17200
13	1780	1050	1450	19800	9630	16000	3770	3340	3480	17800	10900	15400
14	2270	1070	1260	15300	6200	11000	10100	3770	6000	12500	9070	10600
15	2640	1860	2300	8760	3890	5650	13600	5430	8900	12100	9790	10700
16	2800	2460	2620	4200	2480	3270	7020	3680	5310	15800	9450	12800
17	3540	2800	3220	4750	2530	3610	3850	2430	2940	15900	12000	14000
18	3360	2940	3120	4490	3610	4110	2470	1630	2240	15600	10700	12500
19	3690	2210	3210	4220	2820	3780	2540	1280	1610	12300	9610	10500
20	3150	1950	2460	2920	2360	2610	3070	1500	2190	11400	9700	10300
21	2970	1110	1890	2580	2170	2340	4590	1780	2990	11400	9450	10200
22	1920	911	1080	2670	1700	2220	10100	4470	5780	10800	8440	9490
23	2470	1480	1940	3920	2330	2760	13000	9490	10800	9690	7220	8200
24	2570	1650	2030	3920	2670	3150	13000	4770	8320	9930	5350	7340
25	2700	1570	1950	3790	2660	3050	8760	4710	6570	7880	4570	6050
26	3040	1550	2120	2790	1690	2350	13200	7030	9790	7300	4340	5210
27	3700	2320	2760	2680	1230	1730	23200	13200	19700	6880	4410	5180
28	3390	1550	2260	5330	2580	2830	23200	13200	19200	6670	4180	5580
29	---	---	---	8080	3390	5710	20200	10500	15500	5400	4050	4650
30	---	---	---	7230	2610	4580	10500	6170	8480	5660	3780	4550
31	---	---	---	3020	2560	2850	---	---	---	6130	3820	4800
MONTH	9520	911	3500	19800	1230	4580	23200	1280	7060	30800	3780	12900

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	6860	4350	5530	2060	1670	1830	1980	1790	1900	12500	8200	11000
2	8730	5930	7130	3100	2060	2420	2030	1700	1870	22400	12100	17900
3	7850	6460	7050	2660	1980	2320	1950	1810	1870	19500	11500	16600
4	7140	5230	6190	2620	2290	2480	2000	1910	1950	19900	14300	18200
5	6480	4650	5450	2590	1740	2430	2320	1950	2150	21600	14300	19500
6	5880	4800	5150	2560	2360	2490	4880	1930	3290	20500	10500	16900
7	6910	5740	6140	2520	1820	2090	7760	2530	6220	14800	10400	12500
8	8710	6370	7130	2210	1960	2150	11300	4810	7930	12200	8710	11000
9	11700	8620	9910	2310	2100	2220	10500	3410	6780	9760	6460	8440
10	10100	8780	9330	2920	2180	2470	6540	3220	4710	10500	5160	6840
11	9280	5590	7020	2460	2110	2250	4060	3000	3510	10600	8820	9770
12	9200	5720	7530	2290	2130	2250	3740	2110	2960	10500	9690	10100
13	8260	6180	7140	2430	1940	2280	2490	1960	2140	11600	10500	11000
14	7820	5900	6620	2480	2060	2340	2510	1780	2070	11900	9500	10900
15	6850	5140	5990	2400	2010	2210	3080	1780	2130	9500	7000	7600
16	6400	5000	5630	2480	2170	2320	3860	2950	3490	7800	4880	6540
17	5590	4520	4880	2490	2180	2350	4050	3020	3610	7040	4360	5350
18	5050	3730	4270	2460	2000	2200	3170	2490	2850	7010	5060	6320
19	5900	3890	4840	2380	2210	2310	3890	2300	2940	10300	6450	8720
20	9380	5850	7220	2360	2220	2300	5170	2320	3880	15400	8050	12600
21	11500	8200	9830	2340	2020	2240	6480	2630	4500	19300	15200	17200
22	11400	9320	10600	2480	2360	2430	9410	2670	6540	16000	11100	12700
23	9670	7080	8550	2370	1840	2020	11000	3970	7480	12500	10500	11400
24	10900	6460	8370	2140	1880	1960	10500	5250	8630	12900	10500	11600
25	10500	6230	8240	2140	1880	2000	11000	5320	8810	18200	12900	15800
26	10100	5870	7770	2010	1750	1920	7020	4280	5570	17700	14500	15600
27	5870	3850	5290	1980	1740	1870	5530	3840	4720	17600	15200	16900
28	4780	2720	3230	2120	1740	1970	5050	3490	4160	21100	17100	19500
29	3850	1620	2180	2160	1790	2000	5940	4600	5030	23100	16300	20200
30	2240	1570	1850	2150	1800	1970	8380	3960	5860	16800	11400	12900
31	---	---	---	2090	1810	1960	9360	6920	8150	---	---	---
MONTH	11700	1570	6540	3100	1670	2200	11300	1700	4440	23100	4360	12700

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.6	25.8	26.1	25.4	24.3	24.8	22.8	21.2	21.9	13.7	12.1	12.9
2	28.6	26.5	27.6	24.5	24.0	24.2	23.0	21.7	22.3	13.9	12.8	13.6
3	29.5	27.7	28.3	24.2	22.9	23.7	23.1	21.8	22.5	12.8	9.8	11.3
4	28.7	27.5	28.2	22.9	21.6	22.2	23.2	22.2	22.7	9.8	7.2	8.3
5	28.0	27.1	27.5	21.6	18.6	20.3	23.9	22.4	23.0	7.2	5.6	6.5
6	28.0	27.1	27.5	18.6	16.8	17.6	24.1	22.9	23.5	8.3	6.4	7.4
7	27.4	26.6	27.0	17.1	15.9	16.7	24.5	23.2	23.9	10.1	8.1	9.1
8	26.7	24.5	25.6	18.5	16.8	17.5	24.3	21.9	23.7	12.3	9.8	10.4
9	24.7	23.4	24.0	20.0	17.8	18.9	21.9	19.2	20.1	12.8	10.1	11.8
10	24.2	22.9	23.3	20.9	19.6	20.2	19.4	18.5	18.9	10.1	8.4	9.2
11	23.9	22.8	23.3	20.2	18.3	19.2	19.4	18.1	18.8	10.2	8.5	9.4
12	24.7	23.1	23.8	18.7	17.7	18.1	19.7	18.3	19.3	11.3	9.6	10.4
13	25.3	23.5	24.3	18.5	17.6	18.1	18.3	15.2	16.7	12.6	10.8	11.7
14	25.7	24.0	24.7	19.0	18.3	18.6	15.2	14.1	14.7	13.6	12.2	12.8
15	26.0	24.5	25.2	19.8	18.9	19.2	14.9	13.4	14.1	13.8	12.4	13.1
16	26.3	25.2	25.7	20.0	19.4	19.8	14.9	13.3	14.0	14.3	12.6	13.4
17	26.5	25.2	25.8	20.5	19.4	19.9	14.2	12.5	13.4	15.1	13.1	14.0
18	26.7	25.4	25.9	21.0	19.4	20.1	13.9	12.4	13.2	16.9	14.6	15.8
19	27.8	26.0	26.7	21.7	20.1	20.8	16.0	13.9	14.8	17.7	15.7	16.6
20	27.7	25.8	26.9	22.3	20.7	21.4	17.7	15.3	16.2	20.3	17.2	18.7
21	27.1	25.1	26.1	21.1	18.0	19.5	17.8	15.8	16.7	19.8	18.3	19.2
22	25.3	20.6	22.7	18.6	17.4	18.0	17.7	15.4	16.6	21.2	19.6	20.5
23	20.6	18.5	19.4	19.3	18.3	18.7	15.4	13.9	14.5	20.8	17.5	19.5
24	19.7	18.4	19.0	20.6	18.9	19.7	14.0	11.7	13.0	17.5	15.6	16.3
25	20.8	19.1	19.9	21.1	19.5	20.2	11.7	10.4	11.0	16.3	15.4	15.9
26	21.8	20.2	20.9	21.7	20.1	20.8	10.4	9.9	10.1	17.8	15.8	16.7
27	22.4	20.8	21.5	21.8	20.5	21.1	11.5	10.0	10.7	18.9	17.1	17.8
28	22.8	21.6	22.2	22.3	20.8	21.4	12.2	11.4	11.7	19.7	17.6	18.7
29	23.4	22.5	22.8	21.3	20.7	21.0	12.6	11.8	12.2	20.4	18.6	19.5
30	25.8	23.1	24.0	21.9	20.6	21.1	12.8	11.4	11.9	20.9	19.6	20.2
31	25.7	23.8	24.6	---	---	---	12.9	11.3	11.9	20.9	19.0	19.8
MONTH	29.5	18.4	24.5	25.4	15.9	20.1	24.5	9.9	16.7	21.2	5.6	14.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	20.0	18.4	19.3	19.4	16.8	18.1	21.4	18.9	20.1	24.2	22.2	22.8
2	19.1	18.5	18.8	19.5	17.7	18.7	23.0	20.5	21.5	24.5	22.6	23.6
3	19.0	18.0	18.3	19.0	17.2	18.4	23.3	21.9	22.6	24.8	22.9	23.9
4	19.8	18.1	18.9	17.2	15.9	16.5	24.6	22.8	23.6	24.0	23.4	23.7
5	20.0	18.3	19.0	17.6	16.0	16.9	25.0	23.6	24.3	25.6	23.9	24.8
6	20.5	18.8	19.6	19.7	17.6	18.0	26.2	24.6	25.1	26.7	25.2	25.5
7	21.5	20.0	20.8	19.1	16.6	17.8	28.0	25.0	26.2	27.3	26.0	26.6
8	22.3	21.0	21.6	17.6	16.5	17.1	26.9	25.2	26.2	27.8	25.6	26.5
9	22.8	21.4	22.1	17.8	17.6	17.7	26.2	24.8	25.6	27.0	25.7	26.3
10	23.5	21.7	22.6	19.5	17.8	18.7	26.6	25.0	25.8	26.3	25.3	25.9
11	23.5	22.3	22.9	19.9	18.5	19.2	25.9	25.2	25.6	25.3	24.1	24.6
12	22.8	16.4	19.7	19.4	18.9	19.1	27.4	25.5	26.2	25.6	23.6	24.4
13	16.4	14.9	15.6	19.7	18.9	19.3	26.1	24.6	25.3	27.4	24.6	25.6
14	15.0	12.9	13.9	19.0	14.2	16.5	25.5	24.3	24.8	27.1	25.1	26.0
15	15.1	13.3	14.2	14.2	12.5	13.5	25.4	23.8	24.7	27.6	25.6	26.5
16	16.2	14.3	15.1	15.8	12.4	14.2	23.8	20.3	21.6	27.9	26.3	27.1
17	16.3	15.4	15.9	17.3	15.0	16.0	20.6	18.8	19.7	28.0	26.4	27.2
18	17.5	15.7	16.4	19.4	16.9	18.0	20.9	18.0	19.3	28.2	26.6	27.3
19	17.6	15.7	16.6	20.6	18.6	19.5	21.4	18.8	20.0	28.5	26.8	27.7
20	17.3	15.6	16.4	22.2	19.6	20.4	22.6	19.9	21.2	28.9	27.5	28.1
21	16.6	13.6	15.6	21.4	19.3	20.3	22.8	20.7	22.0	29.5	27.6	28.4
22	13.6	11.5	12.4	20.8	18.9	19.7	23.6	22.1	22.8	29.2	27.6	28.3
23	13.6	12.0	12.8	20.4	18.5	19.6	25.7	23.4	24.4	29.3	28.0	28.6
24	14.6	12.7	13.6	21.8	19.6	20.7	27.3	25.0	25.7	29.1	27.6	28.4
25	15.8	13.6	14.7	23.0	21.0	21.9	27.8	25.4	26.6	29.4	27.6	28.5
26	17.3	14.7	16.0	21.4	18.9	20.2	26.6	25.8	26.3	29.8	27.6	28.6
27	18.1	16.1	17.2	19.3	17.9	18.4	26.7	25.5	26.1	29.9	27.8	28.6
28	19.2	17.3	18.1	19.2	17.6	18.4	26.9	26.3	26.5	29.3	28.3	28.7
29	---	---	---	19.9	18.8	19.3	28.4	26.5	27.1	28.8	27.3	28.1
30	---	---	---	19.7	18.4	18.8	27.0	24.2	25.6	28.4	27.4	27.9
31	---	---	---	19.9	17.8	18.8	---	---	---	29.0	26.8	27.7
MONTH	23.5	11.5	17.4	23.0	12.4	18.4	28.4	18.0	24.1	29.9	22.2	26.6

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.3	27.7	28.4	30.8	29.1	30.0	32.4	30.7	31.4	30.0	29.1	29.5
2	29.8	27.6	28.7	31.6	29.2	30.4	32.5	30.9	31.5	29.1	27.2	28.1
3	30.5	28.0	29.2	30.7	29.7	30.2	33.1	31.2	31.9	28.3	26.7	27.5
4	31.0	29.0	29.7	30.1	29.2	29.6	32.3	31.2	31.7	28.5	27.7	28.0
5	31.1	29.2	30.3	29.5	28.5	29.0	32.7	31.0	31.7	28.9	28.2	28.5
6	31.0	29.7	30.6	30.0	28.1	28.9	32.3	31.0	31.6	29.9	28.5	28.9
7	30.5	28.8	29.6	30.7	28.8	29.6	31.9	30.8	31.4	29.5	28.7	29.2
8	30.0	28.8	29.4	30.6	29.4	30.0	31.6	30.5	31.2	29.6	28.8	29.0
9	29.6	28.4	29.0	31.1	29.4	30.1	31.1	29.7	30.6	29.8	28.1	28.7
10	30.6	28.1	29.3	30.9	29.3	30.1	29.9	28.6	29.3	29.3	27.8	28.3
11	30.2	28.7	29.4	30.8	29.4	29.9	30.0	28.2	29.1	29.8	28.2	28.7
12	30.5	29.3	29.8	30.4	29.0	29.7	30.5	28.9	29.7	29.4	28.6	29.0
13	30.3	29.2	29.8	29.1	28.4	28.8	31.8	29.1	30.2	29.7	28.6	29.1
14	30.6	29.1	29.8	30.3	28.2	29.0	31.4	29.7	30.6	29.1	28.1	28.7
15	30.7	29.3	29.9	30.5	28.2	29.5	31.1	29.7	30.5	28.3	26.5	27.4
16	30.2	29.5	29.9	30.7	29.2	29.9	32.2	30.3	31.3	27.2	25.6	26.4
17	30.4	29.0	29.7	30.1	29.2	29.8	32.2	30.7	31.4	27.0	25.0	26.0
18	29.5	28.2	28.9	29.2	28.6	28.8	32.0	30.7	31.3	26.9	25.2	26.1
19	29.3	27.9	28.5	29.6	28.3	28.9	32.5	30.4	31.2	27.5	25.8	26.6
20	29.0	27.5	28.3	29.2	28.2	28.7	32.7	30.5	31.4	27.1	26.5	26.8
21	28.8	27.3	28.0	30.3	28.5	29.2	32.9	30.8	31.4	28.1	26.4	27.2
22	28.8	27.6	28.2	31.8	29.9	30.8	32.4	31.3	31.8	26.4	24.0	24.7
23	30.8	27.8	29.2	32.7	30.3	31.4	33.3	30.6	32.0	24.2	22.5	23.5
24	30.6	29.2	29.9	31.8	30.5	31.1	33.1	31.3	32.2	24.1	22.6	23.4
25	30.5	29.1	29.8	32.0	30.0	30.9	32.7	31.4	32.1	24.2	23.5	23.9
26	29.2	27.4	28.5	31.8	30.1	30.8	31.4	30.8	31.1	25.2	23.5	24.4
27	29.0	27.2	27.9	30.1	29.3	29.7	31.2	30.2	30.7	26.8	24.7	25.4
28	30.0	27.5	28.5	30.8	28.8	29.4	31.3	29.6	30.4	26.6	25.9	26.2
29	31.3	28.6	29.6	30.8	29.0	29.8	31.5	29.7	30.5	27.8	26.0	26.9
30	30.8	29.3	29.8	31.8	29.7	30.4	30.9	29.5	30.1	26.0	24.0	24.7
31	---	---	---	32.2	29.9	30.8	30.5	29.3	29.9	---	---	---
MONTH	31.3	27.2	29.3	32.7	28.1	29.8	33.3	28.2	31.0	30.0	22.5	27.0

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 NAVD 1988 (levels determined by Global Positioning System). Prior to Oct. 1, 1998, datum of gage was 0.18 ft above NAVD 1988.

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, 2.53 ft, Sept. 2; minimum, 0.17 ft, Dec. 17.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	2.03	1.67	1.86	1.24	.74	.98	---	---	---
2	---	---	---	2.13	1.90	2.05	1.25	.80	1.02	---	---	---
3	---	---	---	1.92	1.55	1.73	1.36	.93	1.15	---	---	---
4	---	---	---	1.97	1.48	1.71	1.57	1.10	1.34	---	---	---
5	---	---	---	1.89	1.10	1.49	1.60	.99	1.29	---	---	---
6	---	---	---	1.42	.82	1.12	1.61	1.19	1.41	---	---	---
7	---	---	---	1.34	.83	1.09	1.72	1.22	1.48	1.15	.80	.97
8	---	---	---	1.33	.78	1.06	1.64	1.11	1.40	1.28	.95	1.08
9	---	---	---	1.41	.98	1.21	1.11	.89	1.02	1.32	.83	1.18
10	---	---	---	1.78	1.25	1.62	1.36	1.05	1.21	.83	.43	.59
11	---	---	---	1.62	1.07	1.41	1.38	1.16	1.23	.86	.44	.62
12	---	---	---	1.45	1.16	1.32	1.44	.98	1.26	1.04	.52	.70
13	---	---	---	1.44	1.22	1.34	.98	.39	.58	1.34	.87	1.05
14	---	---	---	1.62	1.42	1.55	.51	.19	.32	1.36	.82	1.07
15	---	---	---	1.58	1.31	1.43	.60	.21	.39	1.31	.77	1.04
16	---	---	---	1.56	1.12	1.30	.61	.19	.41	1.29	.76	1.03
17	---	---	---	1.39	.86	1.09	.67	.17	.40	1.39	.93	1.16
18	---	---	---	1.38	.92	1.13	.96	.46	.62	1.40	.91	1.15
19	---	---	---	1.46	.95	1.20	1.26	.77	1.03	1.36	.86	1.10
20	---	---	---	1.55	1.02	1.27	1.35	.79	1.07	1.30	.80	1.06
21	---	---	---	1.50	1.20	1.36	1.44	.86	1.15	1.48	1.07	1.27
22	---	---	---	1.60	1.09	1.34	1.36	.90	1.17	2.05	1.48	1.81
23	---	---	---	1.61	1.01	1.31	1.17	.80	.99	2.07	1.22	1.67
24	---	---	---	1.35	.79	1.08	1.24	.62	.97	1.22	.85	.99
25	1.89	1.49	1.66	1.38	.88	1.13	.83	.52	.68	.97	.54	.75
26	1.95	1.51	1.73	1.22	.71	.98	.79	.54	.65	1.11	.56	.79
27	1.94	1.37	1.69	1.04	.71	.87	1.19	.74	.90	1.28	.68	.93
28	1.83	1.47	1.65	.98	.82	.89	1.19	.95	1.06	1.46	.94	1.15
29	2.01	1.63	1.82	1.22	.98	1.07	1.15	.64	.82	1.64	1.17	1.40
30	2.32	1.67	1.89	1.27	.99	1.12	---	---	---	1.80	1.34	1.56
31	2.02	1.65	1.85	---	---	---	---	---	---	1.60	1.06	1.31
MONTH	---	---	---	2.13	.71	1.30	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.43	.96	1.19	1.16	.76	.95	1.65	1.38	1.56	1.76	1.41	1.59
2	1.52	1.06	1.29	1.37	.97	1.16	1.80	1.58	1.70	1.68	1.25	1.47
3	1.51	1.29	1.39	1.30	.58	.98	1.96	1.59	1.81	1.71	1.20	1.47
4	1.59	1.15	1.36	1.30	.60	.97	2.01	1.72	1.85	2.10	1.56	1.81
5	1.41	1.22	1.36	1.56	1.30	1.48	2.01	1.65	1.85	2.52	1.95	2.18
6	1.41	1.11	1.24	1.38	1.14	1.24	1.88	1.52	1.68	2.50	2.12	2.28
7	1.41	1.05	1.21	1.35	1.14	1.22	1.62	1.23	1.43	2.17	1.84	1.94
8	1.33	.96	1.13	1.83	1.24	1.53	1.49	1.13	1.30	2.04	1.54	1.75
9	1.45	.99	1.19	1.79	1.42	1.59	1.53	1.12	1.30	2.05	1.73	1.89
10	1.47	.98	1.22	1.80	1.34	1.53	1.81	1.27	1.49	2.08	1.79	1.94
11	1.64	1.15	1.34	1.87	1.41	1.62	1.82	1.46	1.61	2.14	1.86	1.99
12	1.65	.71	1.25	2.37	1.76	1.99	1.63	1.31	1.41	1.95	1.65	1.82
13	.71	.28	.45	2.37	1.94	2.13	1.56	1.25	1.38	1.84	1.43	1.70
14	.81	.35	.56	2.17	1.00	1.43	1.85	1.56	1.73	1.83	1.37	1.60
15	1.00	.60	.79	1.00	.48	.72	1.96	1.43	1.75	1.90	1.39	1.66
16	1.20	.83	.99	1.05	.73	.87	1.45	.91	1.20	2.08	1.49	1.79
17	1.43	1.03	1.23	1.24	1.02	1.12	.91	.59	.79	2.07	1.59	1.83
18	1.42	1.08	1.24	1.36	1.21	1.30	.69	.36	.53	1.93	1.49	1.71
19	1.37	.91	1.18	1.44	1.00	1.29	.69	.30	.52	1.84	1.40	1.62
20	1.39	.93	1.21	1.22	.89	1.05	.89	.34	.60	1.74	1.33	1.54
21	1.34	.76	1.02	.97	.64	.79	1.27	.53	.81	1.64	1.26	1.46
22	1.12	.47	.70	1.23	.64	.93	1.64	1.13	1.32	1.54	1.23	1.38
23	1.18	.80	.96	1.48	.80	1.12	1.69	1.41	1.55	1.38	1.15	1.25
24	1.13	.60	.85	1.46	.98	1.22	1.67	1.23	1.38	1.27	1.06	1.13
25	1.32	.74	.98	1.45	.95	1.19	1.43	1.09	1.24	1.28	.96	1.14
26	1.39	.84	1.09	1.43	.80	1.02	1.65	1.43	1.50	1.14	.86	1.01
27	1.46	1.02	1.23	1.34	.83	1.02	1.89	1.53	1.73	1.22	.84	1.03
28	1.45	.86	1.13	1.74	1.32	1.48	1.61	1.36	1.52	1.25	.84	1.06
29	---	---	---	1.75	1.38	1.57	1.62	1.32	1.49	1.29	.84	1.07
30	---	---	---	1.96	1.42	1.72	1.66	1.33	1.51	1.46	.93	1.19
31	---	---	---	1.45	1.30	1.37	---	---	---	1.52	1.03	1.27
MONTH	1.65	.28	1.10	2.37	.48	1.28	2.01	.30	1.38	2.52	.84	1.57

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.64	1.13	1.39	1.71	1.20	1.45	1.07	.81	.94	1.86	1.38	1.71
2	1.81	1.31	1.56	1.76	1.31	1.52	1.17	.85	1.01	2.53	1.84	2.19
3	1.71	1.31	1.52	1.86	1.36	1.59	1.09	1.00	1.04	2.20	1.61	2.00
4	1.55	1.14	1.36	1.76	1.48	1.63	1.21	.96	1.08	2.13	1.48	1.82
5	1.55	1.11	1.33	1.56	1.30	1.42	1.49	1.06	1.30	1.82	1.32	1.59
6	1.66	1.16	1.39	1.37	1.15	1.28	1.58	1.09	1.34	1.60	1.17	1.38
7	1.71	1.39	1.57	1.47	1.17	1.33	1.72	1.10	1.44	1.63	1.11	1.37
8	1.74	1.52	1.64	1.59	1.17	1.39	1.70	1.20	1.44	1.64	1.16	1.41
9	1.85	1.56	1.71	1.85	1.33	1.61	1.47	1.03	1.23	1.57	1.22	1.38
10	1.78	1.35	1.61	1.93	1.40	1.67	1.45	1.00	1.24	1.58	1.16	1.37
11	1.59	1.18	1.41	1.84	1.36	1.59	1.33	.97	1.16	1.60	1.35	1.48
12	1.63	1.09	1.36	1.72	1.22	1.46	1.25	.89	1.05	1.84	1.52	1.69
13	1.61	1.12	1.36	1.59	1.14	1.36	1.07	.73	.88	1.95	1.71	1.83
14	1.60	1.07	1.34	1.56	1.04	1.29	1.06	.58	.77	1.86	1.52	1.71
15	1.65	1.08	1.35	1.62	1.04	1.33	1.21	.89	1.03	1.75	1.20	1.49
16	1.67	1.13	1.40	1.76	1.29	1.50	1.43	1.17	1.29	1.55	1.12	1.37
17	1.66	1.15	1.39	1.72	1.37	1.54	1.34	.99	1.18	1.44	1.07	1.27
18	1.62	1.24	1.44	1.66	1.39	1.52	1.24	.93	1.10	1.54	1.14	1.37
19	1.85	1.27	1.53	1.56	1.32	1.41	1.30	.87	1.10	1.82	1.24	1.60
20	2.05	1.70	1.88	1.74	1.39	1.59	1.42	.87	1.20	2.12	1.59	1.89
21	2.03	1.85	1.95	1.62	1.20	1.47	1.45	.99	1.23	2.33	1.79	2.08
22	1.85	1.42	1.70	1.38	.96	1.22	1.50	.97	1.26	1.98	1.65	1.81
23	1.71	1.35	1.53	1.12	.81	.99	1.68	1.04	1.38	1.77	1.36	1.60
24	1.68	1.30	1.49	1.37	.80	1.11	1.64	1.18	1.41	1.68	1.31	1.52
25	1.70	1.28	1.53	1.43	.94	1.19	1.54	1.17	1.35	2.02	1.50	1.78
26	2.09	1.58	1.85	1.38	.94	1.14	1.32	.97	1.13	1.85	1.58	1.71
27	2.11	1.74	1.95	1.33	.84	1.08	1.26	.82	1.03	1.96	1.68	1.84
28	1.75	1.46	1.63	1.31	.82	1.06	1.31	.87	1.08	2.12	1.80	1.96
29	1.62	1.28	1.43	1.28	.86	1.07	1.33	1.09	1.20	2.26	1.72	1.98
30	1.58	1.14	1.36	1.20	.81	1.00	1.33	1.11	1.22	1.82	1.35	1.62
31	---	---	---	1.25	.81	1.03	1.40	1.24	1.33	---	---	---
MONTH	2.11	1.07	1.53	1.93	.80	1.35	1.72	.58	1.18	2.53	1.07	1.66

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 recorded, 39,600 microsiemens, May 27, 1996; minimum recorded, 693 microsiemens, July 18, 1997.

WATER TEMPERATURES: Maximum recorded, 37.8°C, June 26, 1996, Aug. 28, 1998; minimum recorded, -0.3°C, Feb. 4, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 33,700 microsiemens, May 6; minimum recorded, 2,550 microsiemens, Aug. 3.

WATER TEMPERATURE: Maximum recorded, 36.3°C, Aug. 20; minimum recorded, 6.5°C, Jan. 10.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	12300	9890	10500	5450	4900	5210	---	---	---
2	---	---	---	13700	11600	12300	5450	5390	5410	---	---	---
3	---	---	---	11600	9250	10400	5640	5400	5540	---	---	---
4	---	---	---	10700	8970	9680	6280	5580	5820	---	---	---
5	---	---	---	9590	7770	8620	6510	6000	6200	---	---	---
6	---	---	---	8540	7580	8060	9080	6290	7670	---	---	---
7	---	---	---	8440	7960	8240	10900	8540	9460	---	---	---
8	---	---	---	8420	7960	8260	10700	9560	10100	---	---	---
9	---	---	---	8900	8410	8620	9560	8230	8760	---	---	---
10	---	---	---	10500	8840	9510	8280	7830	8150	---	---	---
11	---	---	---	9350	8440	8810	7830	7040	7300	---	---	---
12	---	---	---	8770	8260	8590	7040	6680	6860	---	---	---
13	---	---	---	8820	8700	8750	6680	6500	6540	---	---	---
14	---	---	---	8760	8510	8680	6510	6230	6420	---	---	---
15	---	---	---	8740	8530	8650	6230	5880	6090	---	---	---
16	---	---	---	8680	8260	8580	5880	5420	5740	---	---	---
17	---	---	---	8700	8430	8620	5420	4920	5110	---	---	---
18	---	---	---	8450	8220	8340	4970	4850	4930	---	---	---
19	---	---	---	8360	8210	8280	5720	4920	5230	---	---	---
20	---	---	---	8220	8080	8180	6680	5240	5790	---	---	---
21	---	---	---	8080	7620	7880	7950	5680	6660	---	---	---
22	---	---	---	7620	7190	7380	7490	5650	6240	---	---	---
23	---	---	---	7190	6640	6810	5650	5200	5440	---	---	---
24	---	---	---	6710	5290	6300	5370	5090	5230	---	---	---
25	---	---	---	5750	5160	5480	5260	5160	5210	---	---	---
26	---	---	---	5630	5090	5350	5170	5110	5140	---	---	---
27	---	---	---	5230	5020	5100	5160	5080	5120	---	---	---
28	---	---	---	5060	4860	4940	5090	4910	5030	---	---	---
29	---	---	---	4870	4290	4690	4790	4430	4550	---	---	---
30	---	---	---	5080	4820	4890	---	---	---	---	---	---
31	10100	9660	9810	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	13700	4290	7950	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	6400	5010	5660	18700	16900	17700
2	---	---	---	---	---	---	7300	6350	6710	19300	17000	18200
3	---	---	---	---	---	---	11500	7170	8050	20600	17600	19100
4	---	---	---	---	---	---	12300	9560	10300	24500	20000	22200
5	---	---	---	---	---	---	14800	10300	12100	33400	24100	29200
6	---	---	---	---	---	---	13800	12300	12900	33700	28300	30800
7	---	---	---	---	---	---	13000	11100	12400	29900	25500	27500
8	---	---	---	---	---	---	14800	11300	12500	30200	22000	25700
9	---	---	---	---	---	---	16000	10600	12600	29300	26300	27700
10	---	---	---	---	---	---	18100	11700	14800	29500	26600	27800
11	---	---	---	---	---	---	18200	11800	15900	29400	21000	26700
12	---	---	---	---	---	---	17000	11200	13300	25800	22900	24600
13	---	---	---	---	---	---	14900	11200	12500	23800	17500	21400
14	---	---	---	---	---	---	18300	14900	16400	22900	17000	21100
15	---	---	---	---	---	---	18800	14600	17000	22800	19400	21400
16	---	---	---	---	---	---	15000	10800	12200	24400	20800	22800
17	---	---	---	9820	7710	8290	11500	9770	10700	25900	22400	24100
18	---	---	---	9960	7960	9290	10600	6820	8920	24800	21200	23700
19	---	---	---	10500	9570	10100	10300	6620	8780	23700	19500	22000
20	---	---	---	10300	6650	8400	9940	5410	7990	22500	18100	21100
21	---	---	---	9340	5830	7760	13700	7760	10100	22200	19300	21000
22	---	---	---	7850	6080	7080	18900	13700	16700	21300	15900	19600
23	---	---	---	9780	7080	8100	20400	14000	18800	19800	17400	18900
24	---	---	---	11000	8880	9360	20400	17400	19400	19900	14100	18200
25	---	---	---	11000	5280	8030	19300	14500	17300	17700	13600	15600
26	---	---	---	7500	5170	6200	21900	15000	18300	17800	10800	15200
27	---	---	---	6710	4790	5670	22800	20000	21900	18100	11500	14900
28	---	---	---	7530	4640	5730	21600	18000	20300	15900	8780	13000
29	---	---	---	9350	7530	8570	21000	17400	19300	14700	8090	12100
30	---	---	---	8670	5600	6070	19200	15900	18000	14900	9330	12300
31	---	---	---	5760	4880	5260	---	---	---	15800	10300	12600
MONTH	---	---	---	---	---	---	22800	5010	13700	33700	8090	20900

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	17600	11000	14000	9060	6780	8000	4440	3690	3990	7420	4940	6630
2	19600	11800	16100	9300	6990	8230	4280	2830	3730	7770	5590	6790
3	20000	13400	17000	10100	6430	8230	3730	2550	2900	7100	5300	6190
4	19000	11900	16100	9680	5910	8480	4190	2680	3130	7880	5060	6440
5	17200	12400	15100	8390	5180	6840	4120	2760	3430	11100	4980	7690
6	19200	13000	15400	7480	5220	6440	4030	2820	3430	11000	4600	7060
7	20400	15700	18300	6420	4220	5390	3980	2860	3460	11700	4410	7450
8	19800	16000	18500	6410	4480	5760	3920	3230	3510	10200	5290	7170
9	19800	14000	17800	7310	4600	5980	7340	3470	5140	9880	5610	7570
10	19800	13800	17000	7510	4640	6060	5950	4210	5120	9260	5420	7470
11	18800	10200	15600	6280	4350	5440	5630	4380	5050	8650	6840	7960
12	18100	10500	13000	6040	3740	5190	5580	4630	5080	9230	6810	8050
13	14900	9550	12500	6190	3680	5030	5550	4790	5190	9730	7380	8450
14	15600	8880	12000	6250	4370	5490	5650	4720	5270	9820	7940	8580
15	14000	8680	11600	5600	4600	4970	4980	3690	4560	9110	7940	8530
16	12800	9300	10900	5730	4410	5040	5350	4870	5170	8730	5900	7820
17	12300	8180	9950	5530	4080	4820	5390	4740	5140	8900	7220	8110
18	10400	6800	9230	4940	3570	4520	5100	4480	4780	8920	7260	8030
19	10900	8560	9270	5000	4220	4490	5100	4050	4680	9570	6790	8360
20	11300	9140	10500	5000	4390	4740	5160	3910	4620	9310	7660	8510
21	13700	11000	12100	5170	3630	4390	5330	4270	4720	9070	7450	8090
22	14500	9710	12800	5540	3420	4500	5580	4360	4950	8120	6980	7650
23	13000	7730	10600	5680	3520	4590	6640	4550	5640	8680	7410	8040
24	13200	9790	11800	5820	2950	3900	7890	5410	6560	9770	8330	8720
25	16700	10400	13400	4820	3120	4030	7980	5560	6900	8940	8280	8520
26	16500	9280	12500	4290	3390	3960	7880	5630	6460	9050	8580	8780
27	13400	8940	11200	4850	3320	4020	7720	5340	6600	9210	8720	8970
28	11600	8260	9850	4720	3460	4030	7410	5870	6780	10400	9000	9650
29	9270	7150	8020	4350	3510	3950	7070	6080	6810	11400	9660	10500
30	8590	6640	7720	4810	3700	4210	6920	5970	6650	12000	9480	10600
31	---	---	---	4720	3450	4140	7240	5320	6390	---	---	---
MONTH	20400	6640	13000	10100	2950	5320	7980	2550	5030	12000	4410	8080

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.2	26.6	27.0	26.0	24.4	25.2	24.7	21.4	23.0	---	---	---
2	29.1	28.0	28.4	25.3	23.9	24.6	25.0	22.3	23.6	---	---	---
3	29.0	28.0	28.6	24.2	21.6	22.9	24.7	22.2	23.3	---	---	---
4	29.0	28.2	28.5	22.8	20.1	21.3	23.9	22.3	23.0	---	---	---
5	28.4	27.4	27.8	21.1	18.0	19.2	25.2	22.2	23.6	---	---	---
6	27.9	27.4	27.7	18.5	15.3	16.5	25.0	23.2	24.1	---	---	---
7	27.9	27.1	27.4	17.4	13.7	15.7	25.8	23.3	24.5	14.8	10.1	11.9
8	27.3	25.4	26.3	20.8	16.6	18.6	25.0	19.7	23.8	17.5	13.6	15.2
9	25.4	23.9	24.4	22.9	19.5	21.1	19.7	17.2	18.0	17.2	11.0	15.4
10	24.4	23.0	23.7	22.9	21.7	22.2	19.4	16.7	17.9	11.0	6.5	8.1
11	25.0	23.1	24.0	21.7	17.6	19.3	20.3	17.7	19.0	10.9	6.9	8.7
12	25.8	24.0	24.8	18.5	16.1	17.3	21.4	17.9	20.3	15.1	10.1	12.5
13	26.2	24.1	25.2	19.1	17.2	18.1	17.9	13.4	14.5	18.2	15.0	16.5
14	26.4	24.3	25.3	20.2	18.8	19.4	14.5	10.8	13.0	18.9	16.4	17.9
15	26.7	24.8	25.6	21.2	20.2	20.6	15.5	11.3	13.4	16.4	13.3	14.8
16	26.6	25.8	26.2	21.7	21.0	21.3	15.8	11.2	13.5	17.4	14.1	15.4
17	26.2	25.4	25.7	21.5	20.3	20.9	15.2	11.5	13.4	18.9	16.0	17.2
18	26.4	25.3	25.8	22.4	19.5	21.0	14.9	11.7	13.4	21.5	18.5	19.7
19	27.6	26.0	26.6	24.1	21.3	22.5	20.1	14.9	17.2	20.9	18.5	19.7
20	27.8	26.4	27.1	24.6	22.2	23.4	21.9	18.4	20.0	22.6	19.9	21.1
21	27.4	25.0	26.1	22.9	16.0	18.8	23.5	20.4	21.8	22.8	20.5	21.6
22	25.0	19.4	21.9	19.1	15.6	17.3	23.0	14.3	19.0	21.9	21.0	21.4
23	19.4	17.1	18.2	22.8	18.8	20.5	14.3	12.3	13.0	21.4	17.1	19.5
24	20.3	17.5	18.7	23.6	20.7	22.0	13.0	10.5	12.1	17.1	13.6	15.0
25	22.4	19.3	20.8	23.6	20.9	22.2	10.9	9.4	10.0	17.4	13.8	15.5
26	23.5	21.1	22.2	24.1	21.0	22.5	9.9	8.7	9.4	19.1	15.5	17.3
27	24.0	21.7	22.8	25.0	22.2	23.6	12.9	9.8	11.0	21.1	18.1	19.4
28	25.1	22.6	23.8	24.3	22.2	23.2	14.4	12.8	13.7	21.8	19.7	20.7
29	25.4	23.4	24.4	22.5	21.0	21.6	15.2	13.3	14.2	23.1	20.8	21.8
30	26.1	23.7	24.9	22.5	20.6	21.5	---	---	---	22.8	22.0	22.3
31	26.5	24.3	25.3	---	---	---	---	---	---	22.0	18.7	20.3
MONTH	29.1	17.1	25.0	26.0	13.7	20.8	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	20.4	17.7	19.0	21.7	17.1	19.6	26.5	19.5	22.6	24.8	18.3	21.5
2	19.2	18.1	18.7	22.4	19.0	20.6	26.6	22.5	24.4	27.1	21.4	24.0
3	19.0	17.6	18.1	21.3	16.8	19.0	26.4	23.9	25.0	27.3	22.1	24.6
4	21.1	17.8	19.3	16.8	13.7	15.8	26.9	24.0	25.2	24.8	23.0	24.0
5	21.0	18.9	19.9	19.4	15.2	17.2	27.6	24.0	25.9	28.1	24.2	25.9
6	22.1	19.4	20.7	22.3	18.9	20.3	29.1	25.2	27.1	29.1	25.6	27.2
7	23.3	21.0	22.1	21.8	16.3	18.7	30.1	25.4	27.5	29.3	25.6	27.5
8	24.4	21.4	22.8	18.5	15.6	16.7	29.2	24.8	26.6	30.2	24.9	27.1
9	23.9	22.2	23.1	21.3	18.5	19.6	28.0	23.4	25.3	29.0	25.0	27.0
10	25.6	22.2	23.7	21.8	19.5	20.8	28.5	23.8	26.1	27.4	25.2	26.3
11	25.0	23.0	24.0	22.2	20.0	21.1	28.9	24.8	26.9	25.2	23.1	24.0
12	24.3	13.4	18.9	21.6	19.3	20.1	29.4	24.7	27.0	26.8	22.6	24.4
13	15.1	10.1	12.5	20.3	19.1	19.7	27.6	22.7	25.3	30.0	25.1	27.1
14	15.5	10.4	13.3	19.1	12.7	15.4	26.6	22.6	24.7	30.3	25.5	27.9
15	17.5	12.6	14.9	16.5	9.9	13.1	26.8	22.1	24.8	30.1	26.0	27.9
16	19.4	15.4	17.2	19.0	12.9	15.6	22.1	16.5	18.8	29.9	25.8	27.8
17	18.6	17.9	18.2	22.1	17.1	19.2	21.2	15.5	17.9	29.4	25.7	27.4
18	19.7	16.9	18.2	24.1	18.8	21.3	21.3	14.8	18.5	30.5	25.8	28.1
19	19.4	17.0	18.3	26.2	20.7	23.1	22.8	16.9	19.9	30.8	25.9	28.5
20	17.8	14.8	16.4	24.4	21.6	23.0	25.0	18.3	21.7	31.9	27.0	29.2
21	17.6	13.1	15.7	22.5	16.5	19.8	28.2	19.5	23.2	31.0	26.4	28.7
22	13.1	9.0	10.6	24.0	17.0	20.2	25.7	21.6	23.8	32.6	26.2	29.0
23	15.6	11.3	13.0	24.1	17.8	21.1	28.6	23.8	26.0	30.5	27.2	28.7
24	17.5	13.5	15.5	26.3	20.7	23.2	30.7	25.8	28.3	30.8	26.4	28.5
25	19.2	15.4	17.3	24.3	20.5	22.9	31.1	26.0	28.3	30.8	27.5	28.8
26	21.5	17.7	19.5	21.2	15.8	18.6	27.7	24.9	26.6	30.7	26.7	28.4
27	21.8	19.7	20.8	20.0	13.9	16.9	28.7	24.5	26.4	31.6	26.8	28.9
28	21.5	18.5	20.3	21.2	15.6	18.5	31.2	25.5	28.0	31.4	27.1	29.0
29	---	---	---	22.8	19.1	20.8	31.1	27.5	28.9	30.5	26.5	28.3
30	---	---	---	21.0	17.9	18.7	27.6	21.6	23.7	28.5	26.5	27.6
31	---	---	---	21.0	17.5	19.2	---	---	---	31.4	25.0	27.9
MONTH	25.6	9.0	18.3	26.3	9.9	19.3	31.2	14.8	24.8	32.6	18.3	27.1

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	32.1	26.9	29.4	32.8	28.5	30.5	33.5	29.8	31.6	31.0	27.9	29.4
2	32.2	27.4	29.8	33.5	28.6	31.0	34.2	29.4	31.9	28.5	25.4	26.7
3	33.8	27.8	30.5	32.6	28.7	30.8	34.9	30.5	32.6	29.1	25.3	26.8
4	35.3	28.7	31.5	31.2	28.6	29.9	34.1	31.3	32.5	31.9	27.3	29.3
5	34.4	29.1	31.7	29.7	27.7	28.6	33.9	30.8	32.4	31.1	28.8	29.7
6	32.4	29.6	31.0	31.1	26.7	28.6	34.4	31.2	32.5	33.3	28.6	30.3
7	32.1	27.7	29.9	34.2	28.9	30.9	33.7	31.0	32.1	30.5	28.2	29.6
8	30.8	27.6	29.4	33.0	29.1	31.0	32.2	30.6	31.3	29.6	27.5	28.3
9	28.9	27.2	28.0	33.7	29.4	31.1	31.2	28.4	30.0	30.6	26.8	28.4
10	31.9	26.5	28.8	31.9	28.5	30.1	29.4	27.3	28.5	30.6	27.0	28.6
11	32.8	28.1	30.0	32.8	28.7	30.7	30.8	26.7	28.6	31.4	27.9	29.5
12	32.7	29.2	30.8	30.8	27.4	29.4	31.5	29.0	30.2	31.3	28.3	29.8
13	32.1	29.1	30.5	28.8	26.6	27.7	32.9	28.7	30.7	31.1	27.8	29.4
14	32.6	28.4	30.3	33.2	26.4	29.6	34.3	28.9	31.4	30.7	27.5	28.9
15	32.1	28.2	30.2	33.2	28.9	30.9	33.7	30.1	31.6	28.8	24.7	27.1
16	30.7	28.8	29.8	32.6	28.8	30.6	35.2	29.1	31.9	29.3	23.1	26.3
17	33.0	27.8	30.1	30.9	28.6	29.5	36.2	31.4	33.0	29.5	24.1	26.6
18	30.8	25.7	28.3	29.2	27.3	28.0	35.0	31.4	32.7	29.2	24.5	26.7
19	31.0	26.6	28.8	29.9	27.5	27.8	34.4	30.7	32.2	29.8	25.3	27.5
20	30.2	26.8	28.4	30.8	27.5	29.2	36.3	30.5	32.6	28.2	26.2	27.0
21	29.5	26.4	28.0	35.0	29.0	31.2	36.2	31.1	33.1	29.2	25.4	27.3
22	29.9	27.3	28.5	35.1	30.5	32.4	35.8	31.4	33.1	25.4	21.3	23.1
23	33.5	28.1	30.4	34.7	30.2	32.4	35.0	30.7	32.5	25.7	19.8	22.6
24	33.0	29.4	31.0	33.0	28.3	30.9	35.4	30.7	32.4	26.3	22.4	24.0
25	31.2	29.1	30.1	32.8	27.8	30.0	33.9	31.0	32.1	24.6	22.7	23.7
26	29.4	27.0	27.8	33.0	29.0	30.7	32.0	29.5	30.9	26.7	23.0	24.7
27	30.0	26.3	27.8	30.4	28.1	29.2	32.1	29.4	30.8	30.0	25.3	27.2
28	31.9	27.5	29.5	32.7	27.3	29.6	32.9	28.5	30.5	28.6	26.5	27.5
29	32.2	28.2	30.3	33.3	27.8	30.2	34.0	29.7	31.5	30.3	26.9	28.3
30	33.3	28.8	30.8	34.2	29.3	31.2	31.6	28.8	29.7	27.2	21.5	23.3
31	---	---	---	35.0	29.5	31.6	32.2	27.5	29.7	---	---	---
MONTH	35.3	25.7	29.7	35.1	26.4	30.2	36.3	26.7	31.5	33.3	19.8	27.3

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, 8.24 ft, June 27; minimum, 5.83 ft, Jan. 8.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR DECEMBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.39	7.28	6.80	7.45	7.33	7.21	6.76	7.11	6.97	7.07	6.79	6.79
2	7.46	7.27	6.94	7.75	7.38	7.16	7.22	7.22	6.98	7.03	6.78	6.89
3	7.51	7.32	7.41	7.67	7.40	6.87	7.12	6.71	6.94	7.00	6.82	6.90
4	7.43	7.23	7.34	7.70	7.44	7.07	7.19	6.61	6.87	7.09	6.81	6.92
5	7.09	6.89	6.95	7.67	7.27	6.98	7.17	6.62	6.79	7.13	6.80	6.92
6	7.25	6.83	6.87	7.23	6.94	6.92	7.13	6.58	6.75	7.12	6.81	6.93
7	7.27	6.78	6.83	7.15	6.95	7.03	6.98	6.56	6.72	7.10	6.82	6.97
8	7.01	6.75	6.80	6.87	6.75	6.90	6.83	6.57	6.62	7.07	6.84	6.88
9	7.08	6.85	7.10	7.80	6.72	7.10	6.70	6.81	6.54	7.05	6.85	6.96
10	7.09	6.89	7.24	7.48	6.72	7.12	6.98	6.90	6.59	7.05	6.91	6.91
11	6.90	7.04	6.92	7.20	6.73	7.19	7.04	7.01	6.93	7.04	6.94	6.86
12	7.15	7.16	6.89	7.07	6.74	6.88	7.14	6.94	6.79	7.08	6.90	6.83
13	7.42	6.93	6.86	7.00	6.77	6.57	7.12	6.89	6.88	7.16	6.86	6.79
14	7.37	6.95	6.85	7.08	6.78	6.71	6.99	6.83	7.06	7.16	6.83	6.78
15	7.22	7.03	7.28	7.15	6.80	6.96	6.93	6.79	7.08	6.96	6.85	6.77
16	7.14	7.00	7.75	7.22	6.81	7.05	7.07	6.76	7.12	6.85	6.91	6.76
17	6.91	6.95	7.85	7.15	6.87	7.15	7.27	6.75	7.13	6.73	6.88	6.78
18	6.88	6.95	7.92	7.19	6.84	7.23	7.06	6.94	6.91	6.60	6.84	6.77
19	7.09	6.93	7.94	7.02	6.81	6.96	6.95	6.82	6.75	6.80	6.82	6.78
20	6.89	6.92	7.86	7.00	6.80	6.88	6.81	7.10	6.62	7.04	6.83	6.80
21	6.92	6.92	7.84	7.06	6.76	6.97	6.71	6.86	6.83	7.04	6.81	6.94
22	7.14	6.93	7.85	6.90	6.74	6.88	6.68	7.16	6.85	6.98	6.80	7.14
23	6.97	6.92	7.88	6.84	6.73	6.58	6.78	7.01	6.92	6.89	6.80	7.14
24	6.84	6.89	7.93	7.11	6.69	6.53	6.89	7.24	6.93	6.84	6.79	7.08
25	6.79	6.87	7.95	7.30	6.72	6.50	6.95	7.13	6.97	6.85	6.76	7.02
26	6.87	6.86	7.93	7.46	7.00	6.49	7.05	6.89	7.52	6.81	6.71	7.00
27	7.12	6.84	7.92	7.22	6.63	6.49	7.27	6.79	7.92	6.84	6.69	6.99
28	7.22	6.81	7.94	7.02	6.60	6.49	7.11	6.94	7.16	6.89	6.70	7.12
29	7.00	6.80	7.99	7.09	---	6.50	7.20	6.74	6.84	6.83	6.68	7.12
30	7.04	6.81	7.89	7.20	---	6.61	7.24	6.63	7.10	6.83	6.68	6.85
31	7.25	---	7.74	7.28	---	6.59	---	6.78	---	6.83	6.72	---
MAX	7.51	7.32	7.99	7.80	7.44	7.23	7.27	7.24	7.92	7.16	6.94	7.14
MIN	6.79	6.75	6.80	6.84	6.60	6.49	6.68	6.56	6.54	6.60	6.68	6.76

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.

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.

EXTREMES FOR CURRENT YEAR: Maximum gage height, 7.69 ft, June 26, 27; minimum, 3.54 ft, Nov. 29-Dec. 3.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.70	3.68	3.54	3.85	3.89	3.67	3.70	3.82	3.62	4.02	4.29	4.22
2	3.74	3.76	3.54	3.90	3.91	3.77	3.71	3.81	3.70	3.97	4.30	4.25
3	3.78	3.73	3.56	3.93	3.94	3.81	3.80	3.80	3.76	3.92	4.31	4.25
4	3.81	3.74	3.67	3.87	3.96	3.74	3.84	3.75	3.76	3.92	4.31	4.26
5	3.81	3.69	3.67	3.87	3.96	3.76	3.88	3.69	3.73	4.02	4.29	4.27
6	3.86	3.61	3.60	3.88	3.91	3.76	3.88	3.67	3.72	4.01	4.27	4.29
7	4.15	3.58	3.57	3.87	3.85	3.76	3.81	3.65	3.70	4.03	4.29	4.28
8	3.91	3.57	3.56	3.84	3.78	3.74	3.76	3.63	3.69	4.01	4.30	4.34
9	3.77	3.56	3.55	4.34	3.70	3.76	3.73	3.62	3.69	4.00	4.31	4.34
10	3.72	3.59	3.62	4.21	3.67	3.78	3.71	3.69	3.69	3.99	4.36	4.29
11	3.66	3.60	3.66	3.99	3.66	3.81	3.76	3.87	3.73	3.96	4.35	4.26
12	3.62	3.61	3.64	3.87	3.68	3.85	3.78	3.88	3.83	3.97	4.33	4.26
13	3.63	3.65	3.58	3.80	3.66	3.83	3.79	3.81	3.82	3.97	4.31	4.24
14	3.69	3.74	3.57	3.76	3.66	3.81	3.80	3.74	3.88	3.99	4.31	4.23
15	3.69	3.88	3.56	3.74	3.66	3.74	3.80	3.71	4.01	3.98	4.32	4.21
16	3.68	3.76	3.67	3.76	3.67	3.74	3.77	3.69	4.10	3.95	4.32	4.19
17	3.66	3.66	3.81	3.78	3.70	3.75	3.79	3.69	4.04	3.98	4.33	4.19
18	3.64	3.59	3.87	3.79	3.72	3.78	3.83	3.71	3.96	3.92	4.35	4.19
19	3.62	3.58	3.92	3.80	3.71	3.80	3.78	3.74	3.87	3.89	4.35	4.21
20	3.63	3.57	3.91	3.77	3.69	3.75	3.75	3.71	3.81	3.97	4.36	4.22
21	3.59	3.57	3.92	3.75	3.70	3.72	3.71	3.74	3.80	4.05	4.36	4.23
22	3.58	3.57	3.92	3.80	3.67	3.73	3.68	3.73	3.83	4.01	4.36	4.32
23	3.59	3.57	3.90	3.82	3.67	3.72	3.67	3.75	3.84	3.96	4.35	4.38
24	3.61	3.57	3.93	3.78	3.66	3.67	3.69	3.76	3.88	3.95	4.21	4.38
25	3.61	3.55	3.96	3.79	3.65	3.64	3.71	3.67	3.93	3.98	3.80	4.36
26	3.58	3.55	3.94	3.84	3.68	3.62	3.73	3.67	5.30	3.93	3.75	4.33
27	3.57	3.55	3.93	3.88	3.71	3.60	3.78	3.67	6.59	3.91	3.70	4.33
28	3.62	3.55	4.16	3.84	3.68	3.59	3.83	3.64	5.37	3.99	3.66	4.34
29	3.64	3.54	4.14	3.82	---	3.68	3.81	3.62	4.52	4.07	3.63	4.42
30	3.62	3.54	4.00	3.85	---	3.92	3.81	3.63	4.11	4.28	3.61	4.36
31	3.64	---	3.92	3.87	---	3.81	---	3.60	---	4.29	3.79	---
MAX	4.15	3.88	4.16	4.34	3.96	3.92	3.88	3.88	6.59	4.29	4.36	4.42
MIN	3.57	3.54	3.54	3.74	3.65	3.59	3.67	3.60	3.62	3.89	3.61	4.19

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.

REVISIONS.--Maximum recorded elevation has been revised to reflect the datum used prior to Oct. 1, 1995.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System). Prior to Oct. 1, 1995, 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.

EXTREMES FOR CURRENT YEAR.-- Maximum elevation, 2.76 ft, May 6; minimum, -0.17 ft, Jan 5.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1.73	1.33	1.58	1.92	1.59	1.74	.81	.49	.64	.92	.66	.75
2	1.67	1.48	1.57	2.14	1.88	2.01	.78	.50	.64	1.29	.92	1.15
3	1.67	1.51	1.60	1.89	1.55	1.70	.78	.55	.68	1.01	.37	.64
4	1.76	1.47	1.60	1.68	1.37	1.52	.94	.77	.86	.42	-.13	.11
5	1.87	1.63	1.74	1.47	1.06	1.26	1.05	.75	.90	.07	-.17	-.04
6	2.05	1.81	1.88	1.08	.71	.89	1.12	.83	1.01	.65	.04	.36
7	2.10	1.74	1.90	.98	.63	.82	1.23	.97	1.10	.79	.63	.71
8	1.74	1.28	1.49	.97	.70	.87	1.15	.74	1.01	.94	.71	.79
9	1.43	1.16	1.31	1.17	.87	1.06	.74	.19	.42	1.08	.44	.83
10	1.43	1.18	1.32	1.64	1.11	1.43	.56	.27	.48	.44	.04	.19
11	1.38	1.15	1.28	1.47	.81	1.13	.72	.29	.47	.53	.25	.36
12	1.36	1.01	1.23	.90	.66	.83	.98	.72	.84	.70	.32	.47
13	1.14	.90	1.05	1.07	.66	.90	.82	.37	.55	1.01	.70	.83
14	1.16	.90	1.06	1.40	1.07	1.28	.38	-.04	.17	1.04	.74	.88
15	1.34	.98	1.19	1.34	1.11	1.20	.31	-.05	.16	.89	.53	.69
16	1.66	1.29	1.53	1.22	.96	1.07	.38	-.08	.17	.92	.73	.83
17	1.89	1.56	1.73	1.08	.75	.90	.51	.11	.30	1.08	.91	.99
18	1.93	1.81	1.88	.92	.71	.83	.56	.25	.36	1.23	.96	1.09
19	1.84	1.57	1.71	1.00	.77	.89	.86	.56	.74	1.12	.86	1.00
20	1.63	1.39	1.52	1.08	.86	.96	.96	.71	.85	1.10	.90	1.00
21	1.52	1.15	1.35	.86	.34	.57	1.01	.78	.89	1.48	1.00	1.24
22	1.16	.66	.90	.54	.36	.44	.96	.45	.74	2.15	1.48	1.84
23	1.00	.73	.85	.83	.52	.71	.54	.21	.38	2.18	1.44	1.83
24	1.20	1.00	1.12	.85	.57	.72	.49	.02	.28	1.44	.98	1.14
25	1.43	1.17	1.35	.91	.67	.79	.31	.04	.17	.98	.66	.79
26	1.61	1.37	1.50	.85	.54	.72	.48	.25	.34	.81	.54	.67
27	1.61	1.33	1.49	.65	.41	.55	.78	.47	.57	.90	.58	.70
28	1.53	1.34	1.45	.57	.36	.47	.86	.78	.83	1.08	.79	.90
29	1.68	1.43	1.59	.72	.45	.57	.87	.59	.72	1.32	1.04	1.14
30	1.75	1.55	1.66	.80	.69	.75	.75	.38	.54	1.44	1.27	1.35
31	1.77	1.57	1.68	---	---	---	.72	.49	.61	1.43	1.14	1.28
MONTH	2.10	.66	1.46	2.14	.34	.99	1.23	-.08	.59	2.18	-.17	.86

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.27	1.03	1.15	1.12	.91	1.02	1.43	1.24	1.36	1.05	.82	.94
2	1.31	1.13	1.22	1.27	1.09	1.19	1.48	1.33	1.41	1.30	.93	1.12
3	1.29	1.17	1.22	1.32	.70	1.02	1.63	1.34	1.49	1.40	1.11	1.24
4	1.36	1.02	1.21	.86	.57	.66	1.60	1.46	1.52	1.89	1.30	1.53
5	1.06	1.00	1.03	1.26	.86	1.13	1.66	1.38	1.52	2.71	1.89	2.19
6	1.17	.89	.99	1.21	1.06	1.13	1.63	1.43	1.51	2.76	2.25	2.49
7	1.31	1.15	1.22	1.10	.71	.85	1.51	1.27	1.36	2.25	1.76	1.91
8	1.29	1.08	1.16	1.29	.69	.96	1.48	1.21	1.32	1.78	1.51	1.63
9	1.24	1.06	1.15	1.52	1.29	1.39	1.75	1.48	1.65	1.77	1.57	1.68
10	1.22	.99	1.10	1.49	1.28	1.38	1.72	1.51	1.60	1.78	1.67	1.72
11	1.32	1.09	1.20	1.48	1.32	1.41	1.74	1.51	1.60	1.84	1.68	1.78
12	1.33	.63	.96	1.47	1.26	1.36	1.51	1.08	1.26	1.76	1.55	1.68
13	.63	.22	.40	1.98	1.46	1.66	1.22	1.01	1.10	1.67	1.53	1.61
14	.51	.21	.35	1.97	1.28	1.63	1.82	1.22	1.52	1.56	1.43	1.49
15	.67	.51	.59	1.28	.76	.94	2.02	1.64	1.88	1.58	1.35	1.47
16	.93	.67	.79	.90	.75	.83	1.64	1.02	1.29	1.63	1.38	1.51
17	1.16	.93	1.09	1.02	.89	.95	1.02	.68	.84	1.67	1.39	1.53
18	1.19	1.01	1.10	1.06	.95	1.00	.68	.50	.59	1.60	1.40	1.50
19	1.31	1.04	1.20	1.18	.96	1.09	.76	.46	.59	1.53	1.29	1.39
20	1.10	.91	.99	1.04	.87	.96	.84	.56	.68	1.44	1.23	1.33
21	1.09	.40	.75	.98	.70	.81	1.05	.68	.83	1.43	1.20	1.31
22	.63	.12	.30	.93	.62	.76	1.41	1.03	1.16	1.35	1.15	1.25
23	.95	.59	.72	1.10	.76	.90	1.45	1.30	1.38	1.29	1.11	1.21
24	.95	.64	.78	1.11	.88	.99	1.44	1.16	1.25	1.27	.96	1.10
25	1.03	.73	.85	1.11	.89	.98	1.20	1.01	1.11	1.05	.90	.97
26	1.08	.85	.97	.97	.54	.70	1.54	1.20	1.39	1.10	.96	1.03
27	1.19	.99	1.09	.80	.48	.62	1.77	1.54	1.70	1.04	.91	.98
28	1.27	.94	1.10	1.10	.79	.90	1.61	1.30	1.44	1.03	.83	.93
29	---	---	---	1.23	1.06	1.14	1.41	1.27	1.33	1.10	.87	1.00
30	---	---	---	1.25	.89	1.08	1.28	.96	1.09	1.15	.92	1.03
31	---	---	---	1.24	.92	1.12	---	---	---	1.17	.91	1.03
MONTH	1.36	.12	.95	1.98	.48	1.05	2.02	.46	1.29	2.76	.82	1.41

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.31	1.02	1.16	1.55	1.29	1.42	1.07	.87	.95	1.36	1.11	1.26
2	1.47	1.20	1.33	1.49	1.31	1.39	.98	.86	.91	2.07	1.27	1.79
3	1.43	1.27	1.35	1.36	1.18	1.27	.93	.82	.89	1.94	1.59	1.81
4	1.38	1.19	1.27	1.33	1.13	1.24	.98	.75	.88	1.76	1.52	1.66
5	1.28	1.10	1.20	1.26	1.08	1.15	1.13	.78	.98	1.64	1.43	1.54
6	1.23	1.03	1.14	1.13	1.01	1.07	1.25	.94	1.11	1.49	1.31	1.41
7	1.31	1.11	1.21	1.22	1.08	1.14	1.29	1.02	1.17	1.48	1.23	1.35
8	1.36	1.20	1.28	1.35	1.10	1.24	1.40	1.11	1.26	1.49	1.25	1.37
9	1.48	1.36	1.42	1.44	1.22	1.36	1.35	1.15	1.24	1.42	1.18	1.29
10	1.50	1.36	1.43	1.58	1.26	1.45	1.44	1.12	1.26	1.25	1.04	1.13
11	1.41	1.20	1.34	1.58	1.36	1.46	1.30	1.15	1.23	1.30	1.17	1.23
12	1.34	1.12	1.23	1.48	1.30	1.38	1.23	1.08	1.16	1.39	1.27	1.31
13	1.37	1.11	1.24	1.34	1.18	1.26	---	---	---	1.48	1.29	1.39
14	1.43	1.13	1.28	1.25	1.06	1.16	---	---	---	1.48	1.17	1.34
15	1.40	1.21	1.30	1.23	1.01	1.12	---	---	---	1.24	.98	1.12
16	1.36	1.17	1.28	1.28	1.02	1.15	---	---	---	1.20	.93	1.08
17	1.31	1.08	1.19	1.24	1.09	1.18	---	---	---	1.09	.84	.98
18	1.21	.96	1.07	1.20	1.07	1.15	---	---	---	1.13	.88	1.03
19	1.31	1.03	1.14	1.24	1.09	1.17	---	---	---	1.25	.97	1.13
20	1.35	1.23	1.30	1.44	1.21	1.34	1.20	1.04	1.16	1.44	1.11	1.31
21	---	---	---	1.33	1.15	1.26	1.22	1.03	1.13	1.88	1.44	1.71
22	---	---	---	1.19	.90	1.10	1.26	1.02	1.15	1.65	1.34	1.46
23	---	---	---	.94	.69	.86	1.35	1.08	1.23	1.40	1.26	1.34
24	---	---	---	1.02	.66	.87	1.38	1.17	1.28	1.33	1.21	1.26
25	1.70	1.53	1.59	1.11	.83	.99	1.40	1.20	1.30	1.61	1.25	1.42
26	2.14	1.64	1.92	1.11	.93	1.02	1.31	1.16	1.23	1.56	1.37	1.46
27	2.09	1.91	1.99	1.09	.87	.98	1.16	1.01	1.07	1.61	1.42	1.51
28	1.92	1.66	1.78	1.25	.84	.99	1.02	.90	.95	1.83	1.55	1.70
29	1.66	1.46	1.55	1.15	1.00	1.07	1.15	.92	1.04	1.84	1.39	1.68
30	1.47	1.33	1.40	1.13	.98	1.04	1.20	1.07	1.14	1.39	.89	1.10
31	---	---	---	1.12	.93	1.01	1.19	1.06	1.13	---	---	---
MONTH	---	---	---	1.58	.66	1.17	---	---	---	2.07	.84	1.37

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, 33,600 microsiemens, May 28, 29, 1996; minimum, 1,480 microsiemens, Jan. 31, 1998.

WATER TEMPERATURES: Maximum, 36.7°C, July 8, 1998; minimum, 0.6°C, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum, 28,600 microsiemens, May 6; minimum, 5,420 microsiemens, July 24.

WATER TEMPERATURES: Maximum, 35.3°C, Aug. 1; minimum, 3.9°C, Jan. 4.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	18300	10800	12600	23500	19100	20200	16500	14400	15700	22300	16000	18300
2	16600	12300	13800	22500	19600	21200	15000	13200	14200	27600	16400	21500
3	14200	11800	13000	20100	16500	18400	16400	13200	14400	23300	21600	22500
4	14000	11600	12400	17800	15300	17200	22100	14300	16900	21600	13600	17100
5	14400	13200	13800	15700	14700	15100	21200	15400	18300	16400	10900	14800
6	14800	12400	14000	15300	14300	14900	20600	17000	18300	19700	12300	14900
7	16400	12400	14900	15000	11800	13000	21700	17300	19000	22300	17500	19800
8	13200	12200	12900	15600	12100	13800	20800	18800	19600	20600	18700	19700
9	12200	9510	10400	18700	14300	16000	20700	17200	18700	20800	18400	19600
10	10800	8320	9360	21300	15100	17900	17300	10400	14200	19700	16600	18800
11	10200	8550	9500	19800	16600	17900	14500	12700	14000	16600	9440	12800
12	9550	8150	8810	17200	12100	14400	18900	13800	15800	16100	10600	13800
13	9140	7530	8430	14000	10600	12400	18500	17300	18000	21600	13600	18700
14	9270	6710	7710	20000	12200	15700	17300	14900	15400	24300	18100	21500
15	11000	8070	9380	20400	12900	17100	15600	11400	12700	18200	16900	17500
16	15900	11000	13300	14100	10700	12800	12200	11300	11700	24000	17300	20100
17	17100	14300	15500	11600	10300	10900	12300	11400	11800	24800	18000	21100
18	20600	15500	18500	10300	8750	9560	15400	12300	14400	25400	18700	22100
19	20000	14700	17100	17200	8970	12300	24500	12800	19100	22200	20100	21300
20	14900	13300	14300	19000	10700	14100	25400	17600	21800	21800	19300	20800
21	13400	10900	12000	13900	12300	12900	25500	19100	21400	22300	19200	20800
22	12900	11600	12300	13500	7470	10200	21600	20700	21300	25800	21800	24200
23	12900	7240	9740	19000	7960	11700	21400	15600	18700	27500	22600	24700
24	16900	8500	12800	15000	13100	13900	18200	13600	15900	22600	20400	21300
25	22500	13000	16700	17800	12400	14200	15700	11000	13400	20900	19200	19900
26	26200	14700	20200	14900	13700	14200	11400	9500	10700	19400	16400	18300
27	24200	17800	20300	14100	12000	13200	14500	10200	12100	17300	14600	16200
28	21800	16500	18600	12900	10900	11800	20700	11800	17900	20000	17200	18600
29	25900	17000	20100	11700	9900	10800	19600	17300	18300	22000	19200	20500
30	25300	17600	21300	16200	10700	14100	17600	15900	17300	23500	20300	22000
31	24200	18300	21000	---	---	---	19400	14200	16400	24200	21800	23000
MONTH	26200	6710	14000	23500	7470	14400	25500	9500	16400	27600	9440	19600

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	23000	20100	21400	21800	19500	21000	15700	12800	14100	23500	19300	21900
2	22300	21100	21500	21500	20300	21000	16600	14300	15000	21600	20300	20900
3	21200	19200	20100	21500	20000	20700	16600	13800	14900	23600	20900	22400
4	20700	19200	19900	20400	16100	17700	17100	14600	16400	26300	23600	24400
5	19300	18000	18300	21200	17100	19100	17900	13400	15300	28000	25500	26700
6	18700	16400	17700	21200	19100	20300	18600	14600	16800	28600	27600	28300
7	20700	17900	19300	19800	18800	19500	16900	14900	15600	28400	27300	27800
8	20300	17100	18900	20300	19700	15600	19500	12700	15900	27500	25700	26800
9	19800	17300	18500	22800	20000	20800	19700	18800	19200	27400	25300	26300
10	19200	17500	18200	22800	21200	21900	19600	17400	18600	26100	25000	25700
11	19400	17100	18300	22100	20900	21600	19100	17600	18500	26300	25300	25900
12	19600	17900	19000	21500	20600	21000	18900	17300	18000	26000	23400	25000
13	18300	16800	17700	22400	20700	21600	17600	15400	16300	25700	23800	24700
14	16800	13000	14400	22800	21600	22200	19700	15200	17200	24600	20700	22700
15	16600	11300	13900	22100	19300	21500	21300	19500	20400	22300	19200	20800
16	17700	14600	16000	19500	17700	18700	22400	20600	21400	23700	19200	20500
17	21000	16900	18800	17700	14000	15100	20600	18100	19500	23300	20800	21800
18	20800	19200	19900	16400	13100	14500	18800	15500	17900	24500	21400	22700
19	19500	18700	19300	15900	14100	15300	20100	17100	18600	24400	19900	22200
20	19500	17700	18900	16100	13500	15100	20600	18800	19700	21700	18400	20400
21	17900	16200	17100	16000	13300	14900	20600	19100	19600	21800	19600	20800
22	16600	11400	15100	14300	12400	13400	22700	20100	21400	21800	20000	21100
23	17300	11600	14800	14600	12400	13800	23500	22700	23200	24300	19800	21700
24	20800	17100	18700	19500	14100	17700	23700	22900	23400	24400	19700	22200
25	19800	17400	18200	19600	17000	18200	23500	21900	22900	20100	17000	18800
26	23200	17000	19800	17200	15000	15900	23800	20400	22000	23600	18300	20800
27	21500	18200	20000	15200	12200	14000	25300	23800	24700	21600	18400	19900
28	21700	19600	20700	17300	13500	15500	25500	24300	25000	18700	16800	17700
29	---	---	---	20300	15700	18000	24900	24300	24500	17100	14300	15800
30	---	---	---	20000	15600	16900	24800	23400	24100	15200	14300	14700
31	---	---	---	16000	12800	14200	---	---	---	15500	13500	14400
MONTH	23200	11300	18400	22800	12200	18000	25500	12700	19300	28600	13500	22100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	19600	15000	17100	18200	8260	14000	11200	10100	10900	18300	16500	17100
2	19600	18700	19000	17300	11800	13900	11100	10700	11000	21900	15200	17800
3	22300	19100	20800	12800	6990	9370	11100	10800	11000	21600	16100	18100
4	21600	20100	20800	10000	7640	8690	11000	10900	11000	16300	15500	16000
5	20400	18000	19200	9970	6470	7850	12700	10600	11100	15600	14400	15200
6	19200	17100	18200	6970	6190	6650	14500	11600	12600	14600	13300	14200
7	17500	15700	16600	8630	6050	7180	16200	13600	14600	13500	12600	13100
8	16300	14500	15300	9380	6350	8060	16600	13100	15000	12900	12000	12300
9	17900	14600	16200	10900	8200	9640	17100	14000	15800	12300	11800	12000
10	18300	17200	17700	15100	9620	11200	16400	14800	15600	12100	8910	11000
11	17900	17300	17700	15100	12200	12800	15300	13600	14400	10300	9720	10100
12	17300	14100	15700	13600	9880	11700	14700	14100	14400	11700	10100	10600
13	15300	13200	14400	11000	7790	9410	---	---	---	13200	11500	11900
14	14000	13000	13600	9210	7850	8250	---	---	---	13200	12100	12500
15	16500	14000	15300	8630	8050	8260	---	---	---	12800	10500	11700
16	16100	14600	15500	8870	8330	8610	---	---	---	10900	8890	9680
17	15800	13300	14500	9370	8650	9030	---	---	---	10400	9580	9870
18	13900	13100	13400	8950	7530	8210	---	---	---	11800	8580	9610
19	13900	12500	13200	7700	6070	6880	---	---	---	15200	10300	12600
20	15700	12400	14600	8200	6580	6970	14800	13000	13400	21600	14500	17400
21	---	---	---	9400	7290	8400	15900	14000	14400	23000	13000	16400
22	---	---	---	7850	6860	7370	16900	14800	15200	23100	18700	20500
23	---	---	---	6870	5530	6190	18000	15500	16000	20600	19200	20100
24	---	---	---	6260	5420	5750	18200	16800	17300	---	---	---
25	17900	16600	17100	9220	6240	7440	18900	17200	18000	---	---	---
26	19500	16800	18100	11600	9160	10100	19700	18500	18800	---	---	---
27	19700	16400	18100	10800	8630	9960	18600	17300	17800	---	---	---
28	17400	13300	15700	9850	7890	8820	17900	15500	16700	---	---	---
29	14900	11300	13100	9810	8720	9220	16200	15600	15900	---	---	---
30	13700	9960	11600	10100	9160	9890	17400	16100	16700	---	---	---
31	---	---	---	10500	9860	10200	17700	16800	17100	---	---	---
MONTH	---	---	---	18200	5420	9030	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	29.1	26.7	27.7	25.9	23.6	24.9	23.5	21.1	22.3	16.4	13.4	14.6
2	30.0	28.1	29.1	25.0	23.7	24.5	24.0	22.0	23.0	16.8	12.3	15.4
3	29.9	27.3	28.8	23.7	21.5	22.8	23.4	21.1	22.4	12.3	8.8	10.5
4	29.5	27.7	28.6	22.1	20.3	21.2	23.3	21.4	22.4	8.8	3.9	6.0
5	28.6	27.1	27.9	20.4	17.0	19.4	24.4	21.9	23.2	10.0	4.4	6.5
6	28.2	26.9	27.6	17.8	13.8	16.0	24.5	22.5	23.7	9.7	5.8	8.0
7	27.4	26.6	27.1	17.3	13.8	15.6	25.2	22.9	24.0	13.3	9.3	11.2
8	26.6	23.7	25.2	20.0	16.2	18.0	24.6	20.6	23.6	16.9	12.6	14.7
9	25.0	22.1	23.5	22.0	18.9	20.4	20.6	17.3	18.9	17.7	9.2	14.8
10	24.5	21.0	22.8	22.4	21.1	22.0	18.5	16.3	17.4	22.3	4.1	8.0
11	25.1	21.9	23.4	21.1	18.7	19.7	21.0	16.4	18.4	12.3	7.1	9.6
12	26.0	23.2	24.4	18.7	15.8	17.5	21.2	17.2	20.1	14.6	10.5	12.2
13	25.5	23.0	24.4	19.0	16.2	17.8	17.2	12.8	14.1	19.1	14.0	16.1
14	26.5	23.1	24.7	19.2	18.7	18.9	14.8	10.1	12.6	18.7	15.7	16.9
15	26.7	23.9	25.4	21.1	19.1	19.9	14.7	9.5	12.0	16.4	12.5	14.4
16	27.7	25.1	26.3	21.0	20.3	20.7	15.6	9.9	12.5	16.7	13.2	14.6
17	26.8	24.7	25.9	20.5	19.2	20.1	14.7	10.4	12.5	17.9	15.3	16.3
18	26.5	25.4	26.0	22.2	18.5	20.0	14.9	10.4	12.8	19.7	17.3	18.6
19	27.7	26.0	26.8	22.5	20.4	21.3	18.6	14.4	15.8	20.0	17.4	18.7
20	28.2	25.8	27.0	23.1	21.5	22.2	20.1	16.7	18.2	21.9	19.3	20.5
21	26.9	24.2	25.8	21.6	15.9	18.7	21.9	19.2	20.1	22.3	20.2	21.3
22	24.2	18.6	21.0	19.1	15.2	17.3	21.9	14.0	18.4	21.7	20.8	21.2
23	20.0	15.5	17.7	21.1	18.8	19.9	14.0	11.8	12.9	20.8	16.9	19.2
24	20.3	16.1	18.2	21.9	19.5	20.8	13.5	8.6	10.8	16.9	14.2	15.3
25	21.3	18.5	19.9	22.2	19.5	20.8	8.7	7.9	8.4	18.1	13.6	15.6
26	22.7	20.5	21.3	23.5	20.1	21.5	9.2	7.7	8.4	18.6	15.3	17.0
27	23.0	20.5	21.7	23.4	21.0	22.1	12.9	8.8	10.1	20.3	16.8	18.4
28	24.1	21.6	22.9	23.3	21.1	22.1	13.6	10.9	12.4	21.2	19.0	20.3
29	24.4	22.6	23.5	22.5	19.8	21.1	14.7	12.5	13.4	22.6	20.2	21.4
30	24.9	23.0	23.9	22.6	19.8	21.2	13.3	11.1	12.2	22.5	20.2	21.8
31	25.4	23.6	24.6	---	---	---	14.4	10.2	12.0	21.0	17.8	19.3
MONTH	30.0	15.5	24.6	25.9	13.8	20.3	25.2	7.7	16.4	22.6	3.9	15.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	19.8	16.5	18.1	20.5	17.1	18.8	22.5	20.1	21.0	27.0	21.6	24.3
2	18.8	17.3	18.0	21.0	17.9	19.6	25.1	21.6	23.2	27.4	22.1	24.8
3	18.3	17.2	17.5	19.9	16.8	18.5	26.2	23.7	24.8	27.7	23.4	25.3
4	20.4	17.3	18.7	17.8	15.5	16.7	26.5	24.2	25.1	25.3	23.8	24.4
5	20.8	17.1	19.2	19.6	14.7	17.3	26.9	24.7	25.7	27.4	24.4	25.6
6	23.6	19.3	21.0	24.3	19.2	20.9	28.8	25.2	26.6	28.7	25.8	26.9
7	23.4	21.0	22.0	22.0	17.8	19.1	29.8	25.6	27.2	28.3	26.5	27.4
8	24.8	21.6	22.7	20.0	16.3	17.9	28.1	25.6	26.8	29.6	26.4	27.5
9	24.2	22.0	23.0	20.9	18.9	19.7	27.2	23.8	25.6	29.1	25.7	27.1
10	24.9	22.2	23.5	22.8	19.4	21.0	26.9	24.7	25.8	27.8	25.9	26.8
11	24.9	22.7	23.9	21.9	20.0	21.0	28.4	25.4	26.8	25.9	23.4	24.3
12	24.3	13.6	18.9	21.2	19.0	19.9	28.8	26.5	27.6	25.7	22.6	24.0
13	15.9	11.8	13.7	20.5	18.5	19.5	28.0	23.4	25.8	29.7	24.6	26.8
14	16.0	10.0	13.1	18.5	13.9	16.1	26.6	22.8	25.0	29.9	27.0	28.3
15	16.4	11.3	13.8	16.6	11.9	14.0	26.3	23.5	24.6	30.1	26.8	28.3
16	17.7	14.8	16.1	17.3	13.1	14.9	23.8	20.3	21.3	29.9	26.7	28.3
17	17.7	16.9	17.2	19.1	16.7	17.9	21.4	16.9	19.7	30.1	26.4	28.2
18	19.1	15.6	17.3	22.2	18.2	19.8	23.1	17.0	20.0	30.7	26.5	28.6
19	18.9	15.9	17.5	23.2	20.2	21.7	26.2	19.5	22.4	30.9	27.5	28.9
20	19.6	15.5	17.4	26.6	21.3	23.3	27.0	21.2	23.8	31.7	28.3	29.7
21	17.8	10.4	15.3	23.7	19.4	21.8	25.7	22.0	23.9	31.9	28.2	29.6
22	13.0	6.2	9.9	24.3	19.9	21.9	26.8	22.5	24.4	31.5	29.0	29.9
23	17.6	9.7	13.2	25.3	19.0	21.9	27.9	24.4	25.9	31.6	28.6	29.6
24	18.3	13.3	15.5	25.6	20.8	22.8	30.4	25.9	27.8	31.1	27.5	28.9
25	19.6	14.7	16.9	25.4	21.9	23.3	30.2	26.9	28.2	31.7	27.8	29.5
26	20.5	16.8	18.6	22.5	17.8	21.0	28.5	26.0	27.1	31.2	27.2	29.3
27	21.3	18.9	20.1	20.9	16.2	18.3	27.2	24.0	25.8	32.2	28.3	29.9
28	21.4	18.0	19.8	20.4	15.8	18.3	28.8	25.5	27.0	33.8	28.2	30.4
29	---	---	---	21.0	18.7	19.7	31.2	26.9	28.8	30.5	26.2	28.9
30	---	---	---	20.2	17.5	18.4	28.4	23.4	26.4	29.6	27.8	28.7
31	---	---	---	20.5	16.9	18.4	---	---	---	32.1	26.8	29.0
MONTH	24.9	6.2	17.9	26.6	11.9	19.5	31.2	16.9	25.1	33.8	21.6	27.7

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.8	27.6	29.8	33.1	29.3	31.0	35.3	30.7	32.5	30.1	27.3	28.7
2	32.2	28.3	30.2	33.9	30.3	31.8	34.5	30.7	32.4	28.8	25.9	26.8
3	33.6	28.8	31.0	33.4	30.0	31.4	33.7	29.9	32.0	28.0	25.8	26.8
4	34.9	29.3	31.7	32.0	29.5	30.6	33.0	29.8	31.6	31.3	27.5	29.2
5	34.3	29.9	32.1	29.7	28.4	29.0	33.8	29.7	31.8	32.7	29.0	30.6
6	32.9	30.4	31.7	31.7	28.1	29.7	34.1	30.4	32.1	33.5	29.0	31.1
7	31.4	29.7	30.5	33.9	29.3	31.3	32.9	29.5	31.4	31.1	29.1	29.9
8	32.1	29.5	30.7	32.5	29.4	30.7	33.2	30.4	32.0	31.2	28.2	29.6
9	30.6	28.1	29.2	32.0	28.5	30.4	32.0	29.2	30.5	31.0	27.7	29.3
10	30.4	27.4	29.0	31.3	28.1	29.9	30.1	28.3	29.1	31.9	27.2	29.5
11	30.3	28.2	29.4	32.6	29.0	30.8	32.3	27.4	29.6	32.7	27.5	30.0
12	31.2	28.7	30.0	31.8	29.9	30.6	33.2	28.9	31.0	31.8	27.9	30.0
13	31.5	28.7	29.8	30.0	28.3	29.2	---	---	---	31.5	28.1	29.8
14	32.1	28.6	30.4	34.0	27.9	30.6	---	---	---	30.5	27.1	28.8
15	32.6	29.1	30.6	33.2	29.2	31.1	---	---	---	29.4	25.3	27.5
16	31.4	29.1	30.5	32.2	29.4	30.8	---	---	---	28.9	23.9	26.3
17	32.1	28.9	30.5	31.2	29.3	30.2	---	---	---	28.5	23.8	26.2
18	32.1	28.3	29.9	30.8	28.6	29.6	---	---	---	28.6	23.8	26.2
19	32.9	28.2	30.1	31.8	28.7	30.2	---	---	---	29.7	24.9	27.2
20	30.9	28.9	29.7	30.4	28.0	29.1	33.8	31.1	31.9	28.9	26.3	27.5
21	---	---	---	31.5	28.0	29.9	34.4	29.9	32.2	29.1	26.4	27.7
22	---	---	---	33.2	28.6	30.7	34.9	30.6	32.7	27.3	23.9	25.2
23	---	---	---	33.9	29.3	31.9	34.9	30.8	32.8	24.7	21.2	23.5
24	---	---	---	33.0	30.3	31.1	35.0	30.7	32.9	---	---	---
25	31.1	29.7	30.2	34.3	28.9	31.5	33.3	30.4	32.0	---	---	---
26	30.2	27.5	28.4	33.6	29.6	31.6	32.3	30.3	31.3	---	---	---
27	30.6	27.0	28.6	32.0	29.2	30.5	33.1	30.3	31.2	---	---	---
28	32.0	28.6	30.1	33.5	28.8	30.4	33.4	28.9	31.0	---	---	---
29	32.9	29.5	31.0	34.2	29.1	31.3	33.1	28.9	31.2	---	---	---
30	33.8	29.0	31.3	34.2	29.7	31.9	31.5	27.7	29.7	---	---	---
31	---	---	---	35.1	30.0	32.4	30.7	26.6	28.5	---	---	---
MONTH	---	---	---	35.1	27.9	30.7	---	---	---	---	---	---

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, 2.00 ft, June 27; minimum inside recorded, 0.13 ft, Dec. 15.

INSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1.41	1.30	1.37	1.54	1.50	1.51	.89	.67	.77	.86	.81	.84
2	1.42	1.33	1.39	1.64	1.54	1.60	.82	.63	.73	1.22	.86	1.08
3	1.44	1.35	1.40	1.62	1.53	1.58	.84	.69	.78	1.21	1.13	1.18
4	1.46	1.37	1.42	1.57	1.48	1.53	.96	.81	.89	1.13	1.00	1.07
5	1.51	1.45	1.48	1.52	1.28	1.39	1.01	.83	.93	1.00	.82	.90
6	1.71	1.50	1.56	1.33	.86	1.08	1.03	.92	.98	.82	.78	.80
7	1.75	1.71	1.73	1.17	.76	.97	1.09	1.02	1.06	.84	.80	.82
8	1.73	1.46	1.63	1.10	.83	.98	1.15	.84	1.05	---	---	---
9	1.61	1.30	1.47	1.10	.97	1.05	.85	.60	.73	1.26	1.21	1.24
10	1.57	1.35	1.48	1.40	1.06	1.22	.89	.74	.84	1.24	1.16	1.20
11	1.49	1.29	1.41	1.37	.97	1.15	.82	.75	.79	1.16	1.07	1.12
12	1.43	1.12	1.32	1.16	1.01	1.10	.91	.81	.87	---	---	---
13	1.29	1.01	1.17	1.15	1.04	1.10	.86	.35	.49	---	---	---
14	1.23	1.07	1.17	1.56	1.15	1.33	.47	.17	.31	---	---	---
15	1.27	1.10	1.20	1.56	1.45	1.50	.38	.13	.24	---	---	---
16	1.30	1.22	1.26	1.50	1.34	1.39	.33	.15	.24	---	---	---
17	1.40	1.30	1.34	1.35	1.05	1.18	.38	.28	.35	---	---	---
18	1.51	1.40	1.46	1.25	1.00	1.12	.47	.38	.42	---	---	---
19	1.54	1.51	1.53	1.21	.99	1.11	.98	.47	.72	.89	.83	.86
20	1.53	1.48	1.51	1.20	1.04	1.14	1.00	.61	.86	.88	.84	.87
21	1.49	1.39	1.45	1.16	.85	.97	1.14	.75	.97	.96	.87	.91
22	1.41	1.09	1.24	1.03	.83	.95	.89	.84	.87	1.26	.96	1.07
23	1.22	1.18	1.20	1.07	.92	1.00	---	---	---	1.31	1.26	1.29
24	1.24	1.20	1.22	1.07	.74	.92	.74	.68	.73	1.27	1.02	1.19
25	1.28	1.22	1.26	1.04	.86	.95	.68	.63	.64	1.02	.75	.83
26	1.34	1.28	1.32	1.00	.69	.87	---	---	---	.84	.49	.67
27	1.38	1.34	1.36	.87	.63	.76	---	---	---	.84	.50	.66
28	1.40	1.36	1.38	.77	.64	.71	.96	.95	.96	.85	.78	.82
29	1.43	1.38	1.41	.80	.70	.76	.96	.91	.94	.94	.85	.90
30	1.46	1.43	1.45	.88	.80	.85	.91	.82	.85	1.07	.94	1.02
31	1.50	1.46	1.49	---	---	---	.83	.81	.82	1.08	1.06	1.07
MONTH	1.75	1.01	1.39	1.64	.63	1.13	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.07	1.05	1.06	1.17	1.14	1.15	1.46	1.42	1.44	1.34	1.28	1.32
2	1.08	1.05	1.07	1.96	1.15	1.53	1.50	1.46	1.48	1.36	1.28	1.33
3	1.12	1.07	1.09	1.26	1.12	1.21	1.55	1.50	1.52	1.38	1.28	1.34
4	1.14	1.11	1.13	1.12	1.09	1.10	1.59	1.55	1.57	1.58	1.38	1.44
5	1.11	1.08	1.09	1.22	1.11	1.17	1.66	1.59	1.63	1.93	1.58	1.72
6	1.09	1.05	1.07	1.24	1.22	1.23	1.67	1.65	1.66	1.93	1.81	1.84
7	1.12	1.07	1.10	1.23	1.12	1.15	1.68	1.55	1.60	1.84	1.74	1.78
8	1.12	1.10	1.11	1.22	1.12	1.15	1.56	1.48	1.52	1.81	1.67	1.74
9	1.11	1.09	1.10	1.32	1.22	1.28	1.56	1.52	1.54	1.82	1.71	1.78
10	1.11	1.08	1.09	1.34	1.29	1.31	1.56	1.52	1.54	1.83	1.79	1.82
11	1.13	1.11	1.11	1.37	1.34	1.35	1.58	1.56	1.57	1.95	1.83	1.92
12	1.15	1.06	1.12	1.41	1.37	1.38	1.56	1.42	1.47	1.95	1.82	1.90
13	1.06	.96	1.02	1.75	1.41	1.55	1.46	1.32	1.40	1.87	1.70	1.83
14	.96	.60	.81	1.73	1.37	1.56	1.55	1.40	1.46	1.79	1.63	1.73
15	.84	.76	.81	1.37	.98	1.13	1.66	1.52	1.62	1.79	1.62	1.72
16	.88	.82	.86	1.24	1.01	1.15	1.52	1.28	1.40	1.81	1.63	1.74
17	1.05	.88	.97	1.28	1.16	1.22	1.28	1.01	1.20	1.83	1.67	1.75
18	1.09	1.05	1.07	1.25	1.19	1.23	1.04	.82	.93	1.79	1.66	1.73
19	1.12	1.09	1.11	1.29	1.22	1.27	.98	.68	.85	1.87	1.59	1.71
20	1.11	1.09	1.09	1.24	1.12	1.21	.96	.70	.85	1.85	1.64	1.76
21	1.11	.91	1.02	1.12	.90	1.01	1.00	.80	.90	1.77	1.60	1.69
22	.91	.75	.82	1.04	.90	.97	1.14	1.00	1.07	1.67	1.50	1.58
23	.98	.88	.93	1.08	1.00	1.04	1.26	1.14	1.21	1.57	1.43	1.50
24	1.00	.92	.96	1.13	1.07	1.10	1.30	1.26	1.29	1.47	1.16	1.36
25	1.00	.96	.98	1.15	1.12	1.14	1.30	1.24	1.28	1.41	1.16	1.26
26	1.05	1.00	1.03	1.16	.94	1.02	1.40	1.30	1.34	1.37	1.11	1.24
27	1.14	1.05	1.10	1.02	.94	.99	1.49	1.40	1.46	1.29	.98	1.17
28	1.18	1.14	1.17	1.07	.99	1.03	1.50	1.44	1.49	1.33	.96	1.15
29	---	---	---	1.22	1.07	1.16	1.48	1.31	1.45	1.34	.96	1.20
30	---	---	---	1.40	1.22	1.35	1.37	1.28	1.35	1.53	1.07	1.32
31	---	---	---	1.43	1.39	1.42	---	---	---	1.59	1.18	1.41
MONTH	1.18	.60	1.03	1.96	.90	1.21	1.68	.68	1.37	1.95	.96	1.57

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.63	1.25	1.46	1.70	1.62	1.68	1.07	.94	1.01	1.33	1.20	1.30
2	1.67	1.38	1.55	1.67	1.59	1.64	1.03	.94	.99	1.45	1.32	1.39
3	1.65	1.41	1.54	1.60	1.54	1.58	1.03	.93	.99	1.54	1.45	1.50
4	1.50	1.37	1.45	1.60	1.48	1.57	.98	.85	.93	1.59	1.48	1.55
5	1.46	1.25	1.38	1.56	1.45	1.49	1.07	.89	.99	1.56	1.41	1.52
6	1.51	1.21	1.37	1.45	1.35	1.40	1.13	.99	1.05	1.51	1.30	1.45
7	1.65	1.39	1.52	1.42	1.33	1.37	1.13	1.00	1.09	1.45	1.24	1.37
8	1.65	1.53	1.61	1.39	1.33	1.37	1.17	1.07	1.14	1.43	1.26	1.37
9	1.75	1.65	1.71	1.43	1.37	1.41	1.19	1.05	1.14	1.37	1.21	1.33
10	1.75	1.58	1.70	1.54	1.41	1.49	1.62	1.04	1.29	1.28	1.16	1.22
11	1.71	1.46	1.62	1.58	1.51	1.55	1.66	1.45	1.54	1.30	1.26	1.28
12	1.72	1.42	1.59	1.56	1.47	1.53	1.51	1.29	1.42	1.33	1.30	1.31
13	1.67	1.39	1.54	1.51	1.40	1.47	1.29	1.00	1.17	1.36	1.33	1.35
14	1.69	1.34	1.56	1.44	1.32	1.40	1.06	.85	.94	1.40	1.32	1.37
15	1.77	1.37	1.59	1.38	1.27	1.34	1.04	.84	.93	1.36	1.21	1.30
16	1.77	1.51	1.64	1.39	1.33	1.36	1.12	1.04	1.08	1.28	1.05	1.20
17	1.72	1.47	1.61	1.39	1.35	1.38	1.15	.97	1.09	1.16	.95	1.07
18	1.64	1.45	1.55	1.41	1.37	1.39	1.12	.93	1.06	1.11	.98	1.06
19	1.66	1.44	1.56	1.43	1.37	1.41	1.08	.93	1.02	1.16	1.05	1.11
20	1.69	1.62	1.66	1.49	1.41	1.46	1.09	.95	1.03	1.30	1.15	1.26
21	1.73	1.68	1.71	1.49	1.35	1.46	1.10	.91	1.05	1.42	1.30	1.37
22	1.72	1.56	1.67	1.41	1.15	1.35	1.10	.91	1.05	1.44	1.39	1.42
23	1.68	1.51	1.62	1.22	.91	1.14	1.14	1.00	1.09	1.44	1.38	1.41
24	1.68	1.51	1.62	1.34	.91	1.15	1.21	1.10	1.16	1.39	1.32	1.37
25	1.74	1.52	1.67	1.35	1.11	1.25	1.48	1.12	1.27	1.39	1.34	1.37
26	1.95	1.71	1.83	1.27	1.04	1.20	1.35	1.10	1.27	1.44	1.39	1.42
27	2.00	1.92	1.96	1.20	1.01	1.11	1.21	.98	1.11	1.46	1.43	1.45
28	1.95	1.82	1.90	1.13	.97	1.07	1.08	.91	1.02	1.52	1.46	1.49
29	1.83	1.65	1.78	1.13	1.01	1.08	1.14	1.04	1.09	1.54	1.47	1.52
30	1.78	1.56	1.68	1.12	.99	1.07	1.16	1.10	1.12	1.47	1.17	1.34
31	---	---	---	1.09	.96	1.04	1.20	1.14	1.17	---	---	---
MONTH	2.00	1.21	1.62	1.70	.91	1.36	1.66	.84	1.11	1.59	.95	1.35

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, 42,500 microsiemens, Nov. 18, 1996; minimum outside, less than 200 microsiemens on several days during the water years, 1994, 1995, 1999; maximum inside, 35,000 microsiemens, Sept. 28, 1999; minimum inside, less than 200 microsiemens, Mar. 28, 1997.

WATER TEMPERATURES: Maximum outside, 34.5°C, Aug. 14, 1999; minimum outside, 1.8°C, Feb. 4, 1996; maximum inside, 35.0°C, Aug. 14, 1999; minimum inside, 1.7°C, Feb. 4, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum outside, 35,400 microsiemens, Sept. 21, 29; minimum outside, 178 microsiemens Mar. 3; maximum inside 35,000 microsiemens, Sept. 28; minimum inside, 269 microsiemens, Apr. 26-27.

WATER TEMPERATURES: Maximum outside, 34.5°C, Aug. 14; minimum outside recorded, 7.0°C, Jan. 5; maximum inside, 35.0°C, Aug. 14; minimum inside 6.3°C, Jan. 6.

OUTSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	3550	1290	1810	5640	2790	3360	3710	1110	2370	---	---	---
2	2770	1220	1740	9240	3250	7270	3440	959	1960	2460	824	1390
3	2660	1530	1940	7170	1170	4240	3220	668	1460	2480	1690	2090
4	2920	785	1310	6020	863	2830	1500	677	1080	2270	1460	1960
5	1500	711	870	7240	989	5340	3400	900	1920	---	---	---
6	793	715	765	7570	923	6540	1980	621	1230	2160	906	1460
7	2040	773	1600	7310	659	4980	2230	809	1320	---	---	---
8	2740	1580	2300	6910	774	3760	3340	796	1770	---	---	---
9	3260	2560	2930	5920	672	2050	3410	729	2910	---	---	---
10	3310	714	2200	6070	795	2360	1970	435	861	2690	1700	2170
11	3320	782	2470	6070	4100	5120	---	---	---	---	---	---
12	3380	799	2400	4310	1160	3130	---	---	---	---	---	---
13	3500	2050	3190	3740	569	1070	3820	1510	3230	---	---	---
14	3610	886	2340	3610	677	1800	4110	1100	2710	---	---	---
15	3600	584	1060	3570	2690	3010	4330	883	2450	---	---	---
16	2930	544	1020	2690	2330	2530	4030	942	1790	---	---	---
17	13600	2690	6130	2500	2280	2400	2190	802	1400	---	---	---
18	21500	13600	18400	2680	1590	2470	1380	764	946	---	---	---
19	18500	9440	13500	2770	791	2240	---	---	---	---	---	---
20	10100	3730	8000	2900	1190	2260	793	473	634	---	---	---
21	8770	2580	5880	3020	888	2620	---	---	---	1260	616	834
22	9170	2020	7640	3230	625	1750	---	---	---	25000	415	5830
23	4500	1330	2010	3230	704	1770	---	---	---	26300	4320	12100
24	6460	1520	3920	3110	745	2220	---	---	---	4990	2010	3680
25	7390	3580	5710	3290	746	2030	---	---	---	4840	3300	3880
26	8660	5450	7470	3390	911	2320	---	---	---	3350	662	2590
27	9610	7110	8200	3580	1110	2890	---	---	---	3400	699	2100
28	7320	6310	6810	3730	1450	2930	---	---	---	1310	925	1040
29	7110	5040	5860	2690	856	1350	---	---	---	1020	818	891
30	6270	5280	5770	2710	914	1220	2640	883	1850	818	591	647
31	6150	4200	5040	---	---	---	---	---	---	986	578	794
MONTH	21500	544	4530	9240	569	3000	---	---	---	---	---	---

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1000	688	858	421	246	309	466	327	394	972	299	464
2	867	580	712	308	217	246	343	310	325	744	302	403
3	865	606	706	618	178	330	317	292	302	721	300	410
4	693	456	560	699	227	422	297	289	294	5060	225	432
5	621	450	532	227	203	213	305	294	297	26400	5060	15400
6	599	398	508	240	180	195	309	296	301	29200	18100	25700
7	468	351	404	710	240	555	620	239	413	18100	2530	9670
8	473	336	408	565	229	381	733	257	447	11500	813	3640
9	562	377	440	229	210	218	303	274	293	5490	614	1310
10	575	373	458	395	199	268	563	263	388	703	554	593
11	399	320	362	242	205	226	359	240	294	566	523	541
12	680	293	463	237	203	216	692	239	531	2820	535	906
13	772	561	683	589	188	236	914	320	594	3620	608	2040
14	2180	440	1090	816	443	685	436	238	328	4730	602	2860
15	798	384	611	1160	808	929	502	229	262	5280	476	2030
16	516	314	391	1680	1160	1430	924	502	783	2540	453	1110
17	314	273	293	1950	1660	1770	1340	845	1010	2380	443	1120
18	287	264	271	1970	884	1540	1930	872	1530	2180	434	1040
19	344	250	270	1640	587	825	2200	332	1050	1920	439	1130
20	363	250	301	2250	1640	2030	2240	393	1090	2680	503	1510
21	1160	242	740	2350	833	1750	2370	348	986	3520	825	2590
22	1280	267	672	2600	646	1500	376	304	335	4410	3490	4030
23	434	266	297	2140	425	917	311	290	301	4730	3330	4420
24	781	276	449	1420	433	723	403	265	313	4960	4500	4850
25	620	272	394	1130	468	692	669	265	415	5010	531	3370
26	388	249	310	2080	496	1590	328	264	277	4800	366	2320
27	249	214	237	2060	532	1240	273	263	265	4680	406	2290
28	344	190	244	532	365	445	498	269	288	4800	309	1250
29	---	---	---	365	328	354	613	291	367	2610	285	697
30	---	---	---	740	316	502	770	346	550	2160	276	745
31	---	---	---	749	457	549	---	---	---	3120	307	1920
MONTH	2180	190	488	2600	178	751	2370	229	501	29200	225	3250

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	3390	305	1430	2250	973	1590	2780	469	1160	3670	646	1590
2	1090	294	469	2440	954	1750	2210	400	949	21700	3460	13800
3	701	295	409	2640	867	1810	1510	383	784	20300	9750	15500
4	1030	331	563	2600	867	1700	2480	452	1020	10900	6990	9650
5	1680	319	826	2940	1800	2530	1960	477	968	6990	5240	6390
6	2040	324	825	3140	2350	2960	3580	1770	2770	5240	3670	4500
7	2360	512	1550	3320	921	2310	4740	1760	3020	4530	2020	3190
8	2770	452	1500	3320	461	1360	4640	2780	3550	4170	1480	2650
9	3170	424	1240	1800	382	733	3360	1500	2150	4440	1400	3130
10	3170	424	1500	1410	393	513	3230	585	1790	4250	733	2060
11	3300	945	2700	888	405	527	2260	1880	2000	3130	674	1240
12	3330	537	2480	1280	490	783	2670	1890	2280	1400	673	771
13	3500	619	2540	1760	507	977	3130	2670	2940	3810	728	1530
14	3590	507	1950	2460	533	1290	3500	2840	3180	8630	3580	6240
15	3320	578	2100	2930	497	1370	3470	973	2450	4810	3520	4180
16	2850	944	2460	2130	466	954	1390	617	934	4820	3610	4020
17	2790	2000	2620	1720	557	1060	3190	751	1450	5700	3890	4450
18	2850	1630	2480	1340	458	733	3250	572	1540	9800	4040	6670
19	3080	592	1860	873	459	562	3460	625	1610	14900	6350	11300
20	610	530	560	915	432	494	3120	614	1130	26000	13600	20000
21	544	528	535	1690	502	884	2760	553	1080	35400	25500	32400
22	1400	530	868	3110	626	1710	2900	484	1020	35200	28400	30400
23	1730	637	1100	3650	1940	3100	2630	471	828	30400	22900	28200
24	2030	641	1080	3710	477	1850	2120	472	793	26000	21300	24300
25	1540	631	891	3320	446	1630	2400	505	1160	32800	23000	26100
26	1150	614	750	3710	477	2180	2570	1700	2220	32500	28200	30800
27	637	564	594	3720	402	1660	2790	889	2130	31500	28400	30000
28	1310	585	915	3740	485	1590	2880	1070	2020	35100	29000	33500
29	1830	1020	1530	3630	435	1340	3070	724	1360	35400	24200	32600
30	2100	849	1560	3390	409	1250	2280	608	1090	24300	20800	22200
31	---	---	---	3260	393	1140	2070	681	1220	---	---	---
MONTH	3590	294	1400	3740	382	1430	4740	383	1700	35400	646	13800

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	3320	1450	2070	6040	3630	4920	3870	2910	3360	---	---	---
2	2960	1450	2130	8050	3770	6580	3660	1760	3010	3590	1300	2250
3	3240	1690	2360	7190	4960	5960	3350	1370	2280	3630	3300	3410
4	3120	1210	2050	7140	4880	5830	2260	1460	1980	3510	3310	3440
5	2100	944	1480	7980	5800	7070	3440	1940	2590	3550	3300	3400
6	1760	1000	1400	8160	7750	7920	3360	1880	2550	3770	3550	3670
7	1780	1000	1500	7910	6720	7420	2690	1570	2110	3950	2730	3390
8	2290	1760	2040	7650	4980	6410	3390	1090	2070	---	---	---
9	2650	2220	2400	7120	3240	4860	3680	2180	3490	3880	3540	3720
10	2650	985	1820	6500	4130	5240	3040	986	1770	3580	3470	3520
11	2540	2360	2490	6580	4700	5670	---	---	---	---	---	---
12	2570	2400	2480	4700	4140	4480	3420	3120	3240	---	---	---
13	2680	2500	2630	4340	3360	3870	4210	3460	3800	---	---	---
14	2770	2680	2720	4160	2830	3330	4320	3750	4200	---	---	---
15	2800	1910	2380	3770	2820	3150	4610	3630	4170	---	---	---
16	3090	1060	1620	2820	2460	2660	4410	2790	3750	---	---	---
17	14200	3090	6170	2600	2420	2510	4320	2780	3640	---	---	---
18	20300	14200	18500	2760	2540	2660	3880	2640	3260	---	---	---
19	18100	12600	15000	2900	2480	2760	---	---	---	---	---	---
20	12600	10500	11600	2980	2490	2800	879	590	733	---	---	---
21	10600	9420	10200	3200	2890	3040	996	694	799	1920	991	1260
22	10300	9570	9940	3360	2850	3220	---	---	---	18300	457	4010
23	9670	7590	8880	3470	2760	3030	---	---	---	20500	6540	13700
24	8040	6410	7440	3240	2020	2810	---	---	---	6540	5220	5980
25	7840	6690	7350	3350	1580	2730	---	---	---	5220	3390	4010
26	8820	6720	7960	3550	2210	3030	---	---	---	3420	998	2820
27	9430	7720	8460	3820	3470	3640	---	---	---	3490	998	2450
28	7840	7280	7580	4260	3100	3840	---	---	---	2440	1440	2060
29	7590	6560	6910	4090	2840	3450	4100	3990	4040	1720	1200	1510
30	6820	6260	6440	3850	2820	3320	4370	3690	4210	1200	783	898
31	6490	5400	5930	---	---	---	---	---	---	1350	786	1160
MONTH	20300	944	5550	8160	1580	4270	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1360	1040	1230	808	530	686	1010	755	880	1040	514	788
2	1180	936	1080	712	547	625	795	602	684	842	429	620
3	1340	979	1140	1000	531	732	725	563	648	765	332	531
4	1120	762	923	1150	870	1060	606	492	558	3070	279	392
5	1460	1060	1270	870	628	756	541	447	511	26700	3070	14600
6	1560	1040	1310	666	592	627	496	472	484	29600	19100	26600
7	1040	771	842	1070	626	1010	748	485	629	21500	4520	13600
8	1100	728	929	1130	462	880	995	637	836	16000	750	8130
9	1390	802	1040	469	433	452	646	566	596	11400	511	3090
10	1450	746	1040	786	427	614	827	504	678	2360	430	655
11	1180	613	833	589	456	502	538	444	489	441	398	415
12	1280	581	1010	642	327	485	928	518	807	2970	399	889
13	1940	1280	1780	936	311	427	1140	821	1010	3760	551	2240
14	2600	1860	2210	1100	658	977	860	322	558	5110	648	3200
15	2900	2140	2570	1450	1080	1220	687	293	351	5580	386	2200
16	2350	1740	2170	2000	1450	1750	1110	687	973	2640	376	1150
17	1740	773	1110	2260	1980	2110	1530	1020	1210	2500	371	1160
18	865	636	734	2310	2100	2260	2130	1530	1910	2220	374	1060
19	801	576	709	2270	1510	1820	2650	1040	1830	1930	380	1170
20	912	642	797	2590	2270	2380	2650	753	1690	2700	450	1560
21	1390	633	1050	2660	2430	2600	2660	613	1730	3680	1230	2900
22	1820	941	1430	2920	2000	2650	753	382	551	4600	3680	4310
23	1480	790	1100	2890	1530	2360	610	427	532	5000	4600	4900
24	1450	776	1150	2150	1360	1820	518	394	448	5260	4820	5130
25	1230	855	1110	1660	1250	1480	734	394	582	5320	617	4020
26	885	663	829	2510	1470	2180	452	269	302	5320	382	3360
27	669	527	604	2550	1890	2360	293	269	273	5260	549	3240
28	666	495	570	2100	1280	1760	602	275	343	5380	319	1750
29	---	---	---	1280	813	1060	693	315	431	3430	289	935
30	---	---	---	949	787	865	885	623	757	1960	368	777
31	---	---	---	1030	949	1000	---	---	---	3010	456	1920
MONTH	2900	495	1160	2920	311	1340	2660	269	776	29600	279	3780

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	3010	354	1690	1920	775	1460	3450	586	1790	3360	661	1480
2	850	276	445	2220	1440	1900	3200	641	1670	19900	3350	11300
3	558	272	374	2480	1400	2030	1840	531	1100	19700	8670	14500
4	756	288	489	2510	1580	2140	2940	1130	1680	11200	6800	9290
5	1370	287	732	2890	2180	2690	2320	511	1010	6920	4920	6210
6	1840	291	829	2960	2680	2800	2970	974	2430	5510	3570	4820
7	2240	486	1550	3290	2060	2730	4040	1750	2710	5080	3490	4000
8	2960	508	1800	3300	1710	2500	4030	2430	3180	4160	2940	3530
9	3310	407	1530	2850	968	1490	3060	1820	2390	4810	3460	4060
10	3240	416	1870	2480	394	704	3330	1320	2400	4990	2770	3540
11	3340	1410	2980	950	406	579	2150	1810	1990	4650	2790	3420
12	3330	500	2650	1240	533	823	2630	1820	2200	2820	2170	2510
13	3510	584	2620	1740	782	1210	3030	2630	2850	2570	2060	2290
14	3570	424	2030	2400	884	1700	3400	2980	3100	7190	2570	4810
15	3250	489	2200	2840	834	1900	3360	1300	2710	4400	3370	3860
16	2810	1410	2540	2350	819	1480	2680	1670	2120	4240	3580	3850
17	2720	2520	2630	2110	1030	1510	3170	1030	1730	4830	3810	4200
18	2820	1970	2590	1970	643	1110	3270	1750	2510	8610	3960	5680
19	2970	462	1850	1040	522	710	3340	2060	2740	13700	4850	9560
20	468	381	419	1130	520	600	3290	952	1890	24400	12800	18800
21	405	380	391	1660	949	1190	2910	1080	1700	33700	23300	30500
22	1140	379	724	3060	1570	2050	2960	1280	1940	32300	28000	30600
23	1430	443	884	3480	2930	3170	2810	1170	1750	28300	22700	27000
24	1770	439	871	3530	1110	2440	2600	714	1320	24500	20900	23200
25	1250	419	666	3150	982	2180	2410	1230	1790	30300	21200	24200
26	907	401	535	3560	1540	2850	2490	2150	2250	31700	28300	30400
27	416	365	387	3560	813	2110	2680	1770	2360	30900	27700	29400
28	950	372	638	3620	1070	2460	2860	2050	2610	35000	27700	32300
29	1470	950	1180	3790	1040	2370	3250	1550	2500	33700	24600	30500
30	1740	517	1260	3790	576	2200	2750	1790	2250	25200	20200	22600
31	---	---	---	3660	679	1770	2370	1700	1910	---	---	---
MONTH	3570	272	1380	3790	394	1830	4040	511	2150	35000	661	13400

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	29.2	27.2	27.9	24.8	22.5	23.6	22.2	20.2	21.3	---	---	---
2	30.0	27.7	28.8	24.3	23.3	23.7	22.8	20.7	21.5	14.6	13.6	14.1
3	29.8	27.9	28.9	23.6	20.4	22.4	22.5	20.4	21.4	14.0	10.8	12.2
4	29.5	28.0	28.6	22.8	20.0	21.9	22.5	21.2	21.8	10.8	7.9	9.4
5	29.3	27.7	28.4	21.8	18.3	20.2	23.7	21.5	22.4	---	---	---
6	29.1	27.7	28.4	18.3	15.3	16.9	23.3	21.4	22.2	10.9	7.5	8.9
7	28.1	26.6	27.3	18.5	13.8	16.9	24.4	22.0	22.9	---	---	---
8	26.7	23.8	25.1	19.7	17.2	18.6	23.9	20.2	22.7	---	---	---
9	25.1	21.9	23.8	21.3	18.9	19.8	20.2	17.0	18.9	---	---	---
10	25.0	23.2	24.1	21.0	20.1	20.4	20.5	19.3	19.9	13.1	9.8	11.2
11	24.9	22.6	23.8	20.5	17.9	19.1	---	---	---	---	---	---
12	25.7	23.4	24.3	18.5	16.4	17.7	---	---	---	---	---	---
13	25.4	21.7	23.5	19.4	17.2	18.5	16.8	15.7	16.3	---	---	---
14	25.4	23.0	23.9	19.4	18.8	19.1	17.1	13.6	15.2	---	---	---
15	26.7	23.8	25.2	21.2	19.4	20.3	16.5	12.1	14.4	---	---	---
16	26.4	25.3	25.9	21.2	20.5	20.9	16.0	11.4	14.1	---	---	---
17	26.4	25.6	25.9	20.6	19.6	20.2	14.9	13.1	13.8	---	---	---
18	28.5	26.2	27.0	20.8	18.5	19.8	14.9	12.5	13.6	---	---	---
19	28.4	25.7	26.9	23.1	19.2	21.1	---	---	---	---	---	---
20	28.5	25.6	26.7	23.0	20.3	21.8	18.5	15.0	16.3	---	---	---
21	27.4	24.8	26.1	22.0	18.1	19.5	---	---	---	18.7	17.0	17.8
22	25.3	21.9	23.2	20.0	16.1	18.5	---	---	---	20.7	17.5	18.7
23	23.8	19.5	22.1	21.3	19.4	20.0	---	---	---	20.7	16.2	18.5
24	22.4	20.9	21.9	22.3	19.0	20.4	---	---	---	16.3	14.4	15.4
25	23.8	21.9	22.6	21.8	19.0	20.3	---	---	---	17.5	12.3	14.9
26	23.9	22.4	23.1	22.3	19.1	20.5	---	---	---	18.1	13.1	14.9
27	25.0	22.1	23.3	22.6	19.6	21.0	---	---	---	17.7	14.4	16.5
28	25.0	22.1	23.5	22.4	19.4	20.6	---	---	---	18.8	16.6	17.6
29	24.6	22.4	23.2	20.3	18.8	19.7	---	---	---	20.0	18.6	19.2
30	24.4	22.3	23.2	21.1	19.6	20.3	13.1	11.2	12.3	19.7	18.4	18.9
31	24.1	22.4	23.3	---	---	---	---	---	---	18.8	17.3	17.9
MONTH	30.0	19.5	25.2	24.8	13.8	20.1	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	17.3	16.2	16.7	18.6	15.7	16.8	19.6	16.5	17.9	25.6	21.8	23.9
2	16.3	15.5	15.9	18.6	16.5	17.5	20.7	18.6	19.5	25.6	22.1	24.0
3	16.1	15.3	15.6	20.4	16.6	18.1	20.9	19.5	20.3	26.4	22.6	24.7
4	16.4	14.2	15.3	17.5	13.3	15.7	21.2	19.5	20.5	25.6	24.5	24.8
5	16.7	14.9	15.8	18.6	16.1	17.3	22.0	20.8	21.4	25.2	24.3	24.6
6	17.8	15.6	16.6	19.2	17.6	18.3	22.0	21.0	21.4	28.1	25.2	26.1
7	17.0	16.3	16.6	20.6	17.5	18.6	25.2	21.8	24.0	26.0	24.0	25.0
8	18.4	16.7	17.4	18.2	16.9	17.6	26.2	23.0	24.4	25.9	23.7	24.5
9	18.6	17.7	18.0	19.6	17.9	18.6	24.4	23.1	23.6	25.6	24.0	24.7
10	19.5	17.9	18.6	20.9	18.7	19.8	26.3	24.1	25.1	25.0	24.3	24.6
11	20.2	18.2	18.8	20.7	19.2	19.8	26.0	24.8	25.2	24.3	23.5	23.8
12	18.2	15.8	17.4	19.5	18.7	19.2	28.9	24.8	26.7	27.0	22.8	24.1
13	15.8	13.7	14.7	19.1	18.5	18.8	26.5	23.2	25.4	28.7	23.2	25.5
14	15.5	11.8	13.9	18.5	11.6	14.9	25.6	24.2	25.0	27.6	24.7	26.0
15	16.2	13.1	14.6	17.0	9.9	13.2	26.3	23.9	24.9	27.3	24.4	25.8
16	16.5	14.8	15.4	20.5	12.4	16.2	23.9	19.1	21.4	27.2	25.2	26.2
17	15.2	14.9	15.0	20.1	16.1	18.2	23.7	16.9	20.1	27.5	25.5	26.1
18	15.4	14.7	15.0	20.1	18.1	19.2	23.5	16.2	19.1	26.6	25.1	25.7
19	15.3	14.5	14.9	21.8	18.1	19.4	22.7	17.8	20.3	26.3	24.3	25.3
20	16.3	14.4	15.2	22.2	20.0	20.8	23.7	19.4	21.6	26.8	24.1	25.4
21	16.5	12.8	15.0	21.5	17.3	18.7	24.4	20.5	22.9	27.7	24.9	26.2
22	14.4	9.8	12.6	20.6	17.5	19.1	24.0	22.4	23.3	28.1	24.9	26.5
23	14.0	12.5	13.5	20.4	17.5	19.2	25.3	23.3	24.2	28.4	25.7	27.1
24	15.5	11.2	13.5	20.0	18.4	19.2	26.2	24.3	25.1	31.6	26.5	28.9
25	15.5	13.3	14.2	19.8	17.9	18.7	26.8	24.7	25.6	29.5	26.6	28.1
26	16.8	14.3	15.3	20.9	17.7	19.2	25.5	24.2	25.0	29.2	26.8	28.0
27	16.3	15.4	15.8	19.5	16.7	18.3	25.4	24.3	24.8	30.0	26.9	28.2
28	17.6	15.2	16.2	18.6	16.8	17.7	28.5	24.5	25.5	30.2	27.2	28.5
29	---	---	---	19.0	17.7	18.3	28.5	24.7	26.2	30.0	27.1	28.5
30	---	---	---	17.9	16.8	17.3	26.9	23.0	24.7	28.6	25.2	27.4
31	---	---	---	17.7	16.4	17.0	---	---	---	28.9	23.7	26.3
MONTH	20.2	9.8	15.6	22.2	9.9	18.1	28.9	16.2	23.2	31.6	21.8	26.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	29.1	25.9	27.7	31.7	28.6	30.2	33.3	29.9	31.7	32.0	29.7	30.7
2	29.5	27.2	28.4	32.1	28.8	30.4	33.9	30.0	32.0	30.6	28.7	29.9
3	30.0	27.1	28.5	32.4	29.0	30.7	33.0	30.9	31.8	30.2	27.6	28.8
4	30.6	27.5	28.9	31.3	28.8	30.0	32.8	30.8	31.4	30.2	28.4	29.3
5	30.6	27.8	29.3	30.2	27.6	28.9	33.0	31.2	31.8	30.0	27.8	28.5
6	29.9	28.2	29.1	31.3	27.1	28.9	32.7	29.3	31.6	31.1	27.3	29.1
7	28.9	26.8	28.0	30.9	27.9	29.5	32.3	29.0	30.5	30.2	27.5	28.9
8	30.5	25.8	28.2	30.6	29.1	29.7	32.3	29.7	31.4	30.7	27.1	28.7
9	30.2	27.0	28.6	31.9	29.1	30.2	32.6	28.7	31.0	30.0	27.0	28.4
10	29.9	26.7	28.4	30.5	29.4	30.0	31.5	26.6	29.2	31.0	26.2	28.8
11	28.7	26.9	27.8	31.2	29.3	30.0	28.6	25.5	27.0	31.2	27.8	29.6
12	29.1	26.9	27.8	31.2	29.4	30.2	31.0	27.0	29.0	31.5	28.5	29.9
13	28.9	26.3	27.5	30.0	27.8	29.0	32.4	28.2	30.3	30.3	29.3	29.8
14	30.4	26.4	28.4	31.6	26.1	28.9	34.5	28.6	31.3	30.6	29.2	29.9
15	30.4	27.2	28.7	31.6	27.0	29.7	33.4	28.1	30.8	29.5	26.9	28.2
16	29.9	26.8	28.1	31.1	28.8	30.0	33.3	30.4	31.8	27.0	24.9	26.3
17	29.3	26.4	27.9	30.5	28.7	29.4	31.9	29.5	30.9	26.4	23.8	25.5
18	30.0	26.0	28.2	30.2	28.1	29.2	31.8	29.7	30.7	28.3	24.6	26.2
19	30.4	27.2	28.8	29.9	27.9	29.1	32.1	29.4	30.6	28.1	25.3	27.0
20	30.9	28.3	29.4	29.5	27.8	28.8	32.8	29.5	31.0	27.7	26.8	27.4
21	30.5	28.8	29.4	29.2	27.3	28.1	33.3	29.7	31.2	28.0	26.8	27.4
22	29.9	27.9	28.8	30.5	27.6	28.6	33.6	29.7	31.7	27.1	25.1	26.2
23	30.4	27.9	29.1	32.9	28.1	29.8	33.2	30.4	31.8	26.1	22.7	25.0
24	30.5	28.4	29.4	30.1	27.5	29.1	33.2	30.0	31.8	25.6	22.2	24.3
25	29.7	28.5	29.2	31.0	27.1	29.0	32.6	28.1	30.8	25.7	24.0	24.9
26	29.1	27.8	28.7	31.9	27.9	29.6	31.4	27.4	29.0	27.6	25.1	26.1
27	29.1	28.3	28.6	31.2	28.2	29.9	32.4	28.0	29.7	28.8	25.9	27.0
28	31.2	28.6	29.5	31.6	27.8	29.8	32.6	27.2	29.5	27.7	26.1	26.5
29	31.6	28.8	30.0	31.8	28.5	30.3	32.7	29.7	31.1	28.0	25.9	26.7
30	31.2	28.4	29.9	32.6	29.3	31.0	31.7	29.6	30.5	25.9	21.6	23.8
31	---	---	---	33.1	29.7	31.5	30.6	29.1	29.6	---	---	---
MONTH	31.6	25.8	28.7	33.1	26.1	29.7	34.5	25.5	30.7	32.0	21.6	27.6

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	28.7	27.1	27.9	24.6	22.8	23.7	22.5	20.3	21.6	---	---	---
2	30.4	27.9	28.8	24.7	23.3	23.8	23.3	20.7	21.9	15.5	14.2	14.9
3	30.2	28.0	28.9	23.9	20.0	22.7	22.6	20.7	21.5	15.5	11.2	12.9
4	29.2	27.9	28.5	23.0	19.2	21.8	22.4	21.4	21.8	11.2	7.9	8.9
5	29.2	27.3	28.2	22.4	18.5	20.3	23.3	21.4	22.3	8.7	6.6	7.7
6	29.0	27.3	28.1	18.5	15.3	16.7	23.4	22.0	22.6	11.9	6.3	9.0
7	27.8	26.3	26.8	17.8	13.4	16.2	24.3	22.4	23.2	14.9	10.5	12.2
8	26.3	23.8	24.9	19.7	16.0	17.9	23.8	20.2	22.7	---	---	---
9	25.0	21.9	23.8	20.9	18.8	19.5	20.2	16.6	18.7	16.3	13.7	15.8
10	24.8	22.9	23.8	21.1	20.3	20.5	20.2	18.7	19.5	13.7	10.6	11.5
11	24.6	21.9	23.1	20.4	17.8	19.1	---	---	---	---	---	---
12	25.9	23.1	24.0	18.3	15.9	17.2	---	---	---	---	---	---
13	25.3	21.5	23.4	17.4	16.8	16.9	16.6	15.3	16.3	---	---	---
14	25.4	21.7	23.0	19.4	17.4	18.3	15.9	13.6	14.9	---	---	---
15	24.8	23.2	23.9	21.2	19.4	20.3	15.6	12.3	14.0	---	---	---
16	26.3	24.7	25.5	21.2	20.5	20.9	14.4	11.6	13.5	---	---	---
17	26.5	25.4	25.9	20.6	19.5	20.1	14.1	12.6	13.4	---	---	---
18	28.3	25.9	26.9	20.7	18.5	19.8	13.6	12.2	13.0	---	---	---
19	28.6	26.3	27.4	22.9	19.2	21.3	18.6	15.2	17.2	---	---	---
20	27.9	26.4	27.4	23.0	20.8	22.1	18.5	15.0	16.2	---	---	---
21	27.9	24.4	26.6	22.4	17.7	19.4	19.3	15.8	17.4	20.0	17.5	18.9
22	25.3	20.3	22.8	19.8	15.3	17.7	---	---	---	20.3	17.9	18.8
23	20.3	14.0	17.7	20.9	19.6	20.2	---	---	---	20.2	16.5	18.5
24	21.0	17.5	19.2	22.3	19.2	20.6	---	---	---	16.5	14.1	15.1
25	22.6	20.2	21.2	21.6	19.2	20.4	---	---	---	16.2	11.9	14.5
26	23.7	22.0	22.7	22.1	19.0	20.7	---	---	---	18.4	13.1	15.0
27	25.2	22.1	23.2	22.4	19.9	21.2	---	---	---	17.9	14.5	16.7
28	24.1	22.0	23.0	22.8	19.5	20.9	---	---	---	18.5	17.0	17.7
29	24.5	22.6	23.6	20.3	18.1	19.3	---	---	---	19.7	18.4	18.8
30	24.4	22.4	23.4	21.1	19.5	20.1	14.1	11.4	12.6	19.7	18.8	19.2
31	24.6	22.6	23.8	---	---	---	---	---	---	19.5	15.7	17.1
MONTH	30.4	14.0	24.8	24.7	13.4	20.0	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	16.8	15.4	16.0	17.6	15.7	16.7	18.7	17.6	18.0	24.0	20.4	22.2
2	16.4	15.9	16.1	19.0	17.3	17.9	21.8	18.7	20.1	25.4	21.0	23.1
3	16.2	15.9	16.1	20.9	16.1	18.5	22.1	21.4	21.7	26.5	22.1	24.2
4	17.7	15.3	16.2	16.1	11.7	13.5	22.0	21.4	21.8	25.7	24.6	24.9
5	17.7	16.6	17.0	17.6	14.8	16.1	22.4	21.7	21.9	25.2	24.4	24.8
6	18.6	16.7	17.8	19.9	17.5	18.5	24.4	22.4	23.1	28.0	25.2	26.2
7	18.2	17.7	18.0	21.6	17.1	18.2	27.5	24.3	25.7	26.5	24.1	25.4
8	19.5	18.0	19.0	18.2	16.4	17.2	27.8	25.1	26.0	26.5	24.0	25.0
9	20.0	18.9	19.4	20.7	18.1	19.0	26.2	24.1	25.0	25.6	24.2	24.9
10	19.9	18.8	19.4	21.3	17.9	19.7	27.6	24.2	25.6	25.2	24.4	24.7
11	20.2	19.3	19.7	21.5	18.8	20.2	27.0	25.2	25.8	24.4	23.5	23.9
12	19.7	14.6	16.7	20.7	18.8	19.7	29.0	24.8	27.2	27.7	23.0	24.4
13	15.1	9.8	11.7	19.2	18.5	18.9	28.2	23.1	25.6	28.1	23.7	25.7
14	15.9	9.8	13.1	18.5	11.4	14.7	26.1	24.4	25.3	27.5	25.2	26.1
15	15.5	11.9	13.1	17.1	9.7	13.2	26.9	23.8	25.1	27.5	24.6	25.9
16	15.0	13.1	14.2	19.7	12.5	16.0	23.8	18.7	21.3	27.7	25.4	26.3
17	15.4	14.9	15.1	19.7	15.9	17.9	23.1	16.3	19.8	27.7	25.7	26.3
18	15.7	15.0	15.2	19.5	17.6	18.7	24.5	15.8	18.9	27.1	25.2	25.8
19	15.9	14.6	15.2	21.6	18.9	19.5	22.7	17.4	19.0	26.4	24.4	25.5
20	15.2	13.9	14.6	22.4	19.7	20.4	23.7	19.3	20.8	27.0	24.1	25.5
21	16.5	12.2	14.8	21.1	17.3	18.7	24.0	20.4	22.3	27.7	25.0	26.3
22	12.2	7.9	10.1	20.7	17.6	18.3	23.9	22.6	23.3	28.1	25.1	26.5
23	13.4	11.3	12.4	19.2	17.4	18.2	25.0	23.3	23.9	28.1	25.8	27.0
24	14.0	10.1	12.4	19.4	18.5	18.9	26.1	24.5	25.2	31.0	26.6	28.8
25	15.3	12.4	13.8	20.0	19.1	19.6	26.4	24.9	25.6	29.4	26.5	28.1
26	16.8	14.6	15.4	20.2	17.6	19.2	25.7	24.4	25.1	29.1	26.6	27.9
27	17.7	16.3	16.8	20.1	16.3	17.9	25.6	24.4	25.0	29.7	26.6	28.0
28	17.7	16.7	17.1	17.8	17.1	17.5	29.5	24.6	26.4	30.6	27.1	28.5
29	---	---	---	18.5	17.7	18.0	28.9	25.0	26.7	30.1	27.0	28.5
30	---	---	---	18.5	16.7	17.7	26.8	22.1	23.8	28.7	25.3	27.5
31	---	---	---	18.0	17.5	17.7	---	---	---	28.7	23.8	26.2
MONTH	20.2	7.9	15.6	22.4	9.7	17.9	29.5	15.8	23.5	31.0	20.4	25.9

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.0	26.0	27.7	31.4	28.8	30.0	33.1	29.8	31.3	32.0	28.8	30.6
2	29.5	27.2	28.5	31.7	28.9	30.0	33.7	29.8	31.5	30.8	29.2	29.8
3	29.9	27.2	28.6	31.3	29.0	30.1	33.0	30.8	31.6	29.7	27.6	28.7
4	30.3	27.6	29.0	31.1	28.7	29.5	31.5	30.5	30.8	30.1	28.5	29.1
5	30.6	27.8	29.3	30.0	27.7	28.7	32.9	30.8	31.8	30.6	27.9	28.5
6	29.9	28.2	29.2	31.6	27.1	28.7	32.5	29.3	31.5	31.5	27.5	28.6
7	28.9	26.9	28.0	31.3	27.6	28.9	32.1	29.2	30.4	29.5	27.6	28.4
8	30.4	25.8	28.0	29.9	29.1	29.4	32.2	29.4	31.1	29.3	26.7	27.8
9	29.7	27.0	28.4	30.5	29.2	29.7	31.9	28.9	30.3	30.2	26.7	27.6
10	30.1	26.6	28.2	30.6	29.3	30.0	30.7	26.4	28.7	28.6	25.7	27.3
11	28.9	26.9	27.7	31.6	29.4	30.2	28.7	25.6	27.0	29.1	27.4	28.2
12	29.1	26.9	27.8	31.5	29.3	30.2	31.2	27.1	29.2	29.1	27.7	28.5
13	28.9	26.4	27.5	29.7	27.8	28.6	32.6	28.3	30.5	29.4	28.3	28.8
14	30.3	26.4	28.3	30.4	26.1	28.1	35.0	28.7	31.2	30.4	28.8	29.5
15	30.4	27.3	28.7	31.0	27.1	28.9	33.0	28.4	30.8	29.2	26.3	27.9
16	29.3	26.9	28.1	30.7	28.7	29.7	32.2	30.2	31.0	27.0	24.5	26.0
17	28.7	26.5	27.9	30.1	28.6	29.1	31.3	29.5	30.7	26.4	23.3	25.3
18	29.7	26.2	28.1	29.9	27.9	29.0	31.5	29.2	29.9	27.6	24.7	25.7
19	30.3	27.4	28.8	29.5	27.9	28.9	31.3	29.4	29.8	27.9	24.8	26.6
20	30.8	28.5	29.5	29.2	27.8	28.7	31.7	29.3	30.3	27.9	27.2	27.5
21	30.5	28.9	29.5	29.1	27.3	27.7	32.9	29.6	30.8	28.0	27.0	27.4
22	29.6	28.0	28.8	29.6	27.5	28.2	31.9	29.6	30.6	27.3	25.9	26.7
23	30.5	28.0	29.1	32.9	27.9	29.9	32.0	30.3	31.0	26.0	22.9	25.3
24	30.4	28.6	29.5	29.9	27.6	29.0	32.8	30.0	31.3	24.5	21.8	23.5
25	29.9	28.7	29.3	31.5	26.9	28.5	31.4	28.2	30.1	25.4	22.9	24.3
26	29.3	27.9	28.8	33.0	27.9	29.2	31.3	27.4	28.8	26.1	25.1	25.5
27	29.2	28.4	28.8	31.0	28.2	29.7	31.1	28.0	29.1	27.2	25.9	26.2
28	31.4	28.7	29.7	30.7	27.6	29.0	30.4	26.7	28.3	27.2	26.2	26.5
29	31.5	28.8	30.1	31.0	28.4	29.6	31.5	29.0	30.1	28.5	25.5	26.7
30	31.3	28.5	29.9	32.5	29.1	30.6	30.5	29.2	29.7	25.5	21.1	23.7
31	---	---	---	32.8	29.5	31.2	29.6	28.4	28.9	---	---	---
MONTH	31.5	25.8	28.7	33.0	26.1	29.3	35.0	25.6	30.3	32.0	21.1	27.2

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, 2.75 ft, Oct. 6; minimum, -0.76 ft, Jan. 4.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	2.24	.78	1.66	1.51	1.16	1.32	.59	-.10	.26	1.07	-.08	.46
2	1.82	.79	1.36	1.65	1.23	1.40	.76	-.16	.29	1.25	.38	.79
3	1.85	.69	1.40	1.35	.75	1.08	.95	-.07	.42	.38	-.36	-.05
4	2.12	.93	1.61	1.33	.67	1.04	1.01	.21	.64	.19	-.76	-.34
5	2.17	1.17	1.77	1.24	.29	.68	.96	.09	.51	.18	-.63	-.26
6	2.75	1.88	2.22	.82	-.11	.40	.98	.34	.68	.62	.05	.25
7	2.62	1.37	1.91	.88	-.04	.39	1.06	.35	.73	.66	-.03	.31
8	1.84	.34	1.08	.92	.11	.53	1.01	.09	.51	.73	.15	.42
9	1.67	.33	1.07	.99	.33	.70	.45	-.03	.16	.75	-.18	.17
10	1.79	.24	1.06	1.22	.55	1.00	.62	.24	.43	.38	-.35	-.03
11	1.61	.23	.98	.79	.17	.44	.73	.24	.44	.41	-.21	.07
12	1.57	-.22	.75	.72	.33	.56	.77	.20	.48	.70	-.32	.14
13	1.01	-.23	.44	.90	.53	.70	.20	-.37	-.12	.83	.13	.50
14	1.15	.11	.70	1.01	.81	.91	.17	-.49	-.15	.78	-.07	.39
15	1.23	.59	.97	.89	.49	.71	---	---	---	.86	-.23	.27
16	1.27	.92	1.17	.87	.35	.58	---	---	---	.90	-.02	.45
17	1.54	1.27	1.43	.73	.00	.38	.37	-.67	-.16	.99	.19	.60
18	1.59	1.39	1.47	.90	.13	.52	.86	-.30	.18	1.02	.15	.58
19	1.44	1.09	1.24	.99	.11	.54	.88	.16	.54	.87	.06	.44
20	1.29	.84	1.09	1.03	.19	.59	.85	-.02	.42	.88	.16	.50
21	1.26	.73	.95	.75	.06	.36	.92	.07	.49	1.14	.66	.84
22	.92	.35	.62	.90	.07	.49	.74	-.23	.23	1.65	1.14	1.43
23	1.12	.73	.91	1.02	.19	.62	.60	-.23	.26	1.49	.27	.80
24	1.25	.72	1.00	.81	-.07	.39	.65	-.33	.10	.61	.08	.32
25	1.36	.81	1.11	.83	.07	.48	.24	-.22	.04	.45	-.12	.17
26	1.49	.84	1.17	.71	-.10	.27	.40	-.08	.11	.57	-.21	.18
27	1.44	.70	1.09	.46	-.14	.17	.63	.10	.34	.82	-.15	.33
28	1.30	.30	1.04	.38	.01	.17	.62	.36	.43	1.01	.04	.52
29	1.38	.88	1.18	.65	.16	.37	.55	.00	.27	1.26	.32	.76
30	1.40	.91	1.19	.68	.16	.44	.76	-.39	.14	1.29	.53	.87
31	1.40	.98	1.23	---	---	---	.79	-.15	.33	1.00	.22	.59
MONTH	2.75	-.23	1.19	1.65	-.14	.61	---	---	---	1.65	-.76	.40

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.04	.20	.61	1.15	.27	.63	1.05	.74	.91	1.13	.44	.82
2	1.15	.30	.72	1.23	.61	.87	1.16	.74	.97	1.20	.46	.86
3	1.05	.45	.72	1.03	.16	.47	1.38	.75	1.14	1.20	.44	.89
4	1.04	.35	.63	.94	.21	.56	1.33	.93	1.10	1.75	.86	1.38
5	.70	.61	.67	1.08	.59	.91	1.45	.83	1.15	2.18	1.37	1.81
6	.91	.40	.64	.76	.47	.61	1.29	.70	.99	2.09	1.33	1.63
7	.84	.52	.73	.71	.20	.45	1.08	.51	.77	1.41	.90	1.18
8	.80	.32	.57	1.31	.69	1.01	1.20	.48	.86	1.45	.78	1.12
9	.91	.37	.63	1.07	.76	.93	1.15	.85	.98	1.40	.92	1.21
10	.96	.26	.63	1.28	.47	.91	1.32	.61	.98	1.38	1.09	1.25
11	1.10	.45	.78	1.20	.58	.96	1.27	.70	.93	1.45	1.15	1.33
12	.97	-.24	.18	1.36	.63	1.03	.87	.37	.60	1.31	.88	1.14
13	.49	-.36	.06	1.81	1.01	1.41	1.15	.42	.75	1.50	.60	1.01
14	.81	-.33	.12	1.33	.20	.68	1.53	1.09	1.29	1.12	.57	.87
15	.87	.02	.38	.55	-.30	.07	1.58	.42	1.14	1.34	.58	1.00
16	1.02	.24	.60	.63	.12	.37	.66	.23	.40	1.44	.66	1.10
17	1.11	.57	.80	.75	.31	.50	.45	-.08	.27	1.47	.67	1.11
18	1.03	.47	.72	.76	.42	.63	.38	-.32	.03	1.36	.61	1.01
19	.97	.39	.64	.97	.30	.66	.56	-.34	.16	1.33	.49	.91
20	.93	.36	.67	.56	.17	.44	.75	-.28	.23	1.27	.54	.93
21	.66	-.12	.27	.59	-.11	.21	.92	-.13	.46	1.11	.53	.82
22	1.00	-.33	.37	.89	-.07	.46	1.18	.55	.88	.87	.44	.69
23	1.00	.23	.63	.97	.13	.59	1.20	.65	.94	.80	.36	.60
24	.89	-.04	.40	.91	.15	.56	.93	.42	.66	.55	.20	.39
25	1.10	.01	.63	.85	.21	.51	.85	.37	.64	.65	.20	.40
26	1.10	.23	.65	.71	-.12	.28	1.17	.85	1.03	.65	.17	.40
27	1.15	.18	.76	.87	.05	.47	1.44	.74	1.17	.52	-.01	.32
28	1.15	.29	.64	1.08	.48	.82	.92	.47	.82	.71	-.01	.36
29	---	---	---	1.08	.56	.84	1.00	.44	.81	.71	.02	.42
30	---	---	---	.91	.30	.58	.99	.34	.68	.92	.15	.56
31	---	---	---	.84	.61	.73	---	---	---	1.02	.18	.64
MONTH	1.15	-.36	.57	1.81	-.30	.65	1.58	-.34	.79	2.18	-.01	.91

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.14	.35	.78	1.18	.44	.81	.58	.07	.34	.82	.49	.69
2	1.31	.52	.93	1.04	.44	.74	.45	.15	.33	1.31	.81	1.05
3	1.11	.49	.80	1.04	.43	.76	.44	.19	.32	1.10	.53	.88
4	.95	.36	.65	.92	.49	.70	.54	.05	.32	1.18	.38	.85
5	.94	.29	.63	.76	.37	.54	.88	.22	.59	1.02	.24	.69
6	.85	.24	.58	.60	.30	.47	.92	.20	.62	.85	.08	.54
7	.90	.52	.73	.79	.45	.59	1.02	.24	.69	.88	.09	.52
8	.93	.66	.82	1.02	.54	.76	1.06	.21	.73	.89	.17	.59
9	1.02	.68	.91	1.17	.55	.91	1.02	.11	.55	.66	.15	.45
10	1.07	.50	.87	1.34	.59	1.02	1.00	.08	.56	.76	.15	.46
11	.92	.21	.68	1.32	.52	.96	1.12	.16	.63	.75	.20	.59
12	1.05	.21	.68	1.20	.44	.83	.74	.12	.42	.83	.59	.71
13	1.11	.21	.64	1.07	.35	.74	.31	-.15	.13	.96	.59	.81
14	1.09	.18	.69	1.10	.30	.68	.30	-.30	-.03	1.01	.49	.73
15	1.09	.20	.66	1.01	.30	.68	.26	-.25	.05	.74	.35	.57
16	1.04	.26	.65	1.03	.45	.75	.51	.20	.33	.70	.17	.47
17	.99	.18	.63	.94	.50	.74	.42	-.05	.22	.59	.08	.36
18	.91	.28	.61	1.00	.58	.76	.41	-.02	.20	.75	.24	.49
19	.99	.42	.76	1.02	.60	.78	.43	-.10	.19	.89	.47	.69
20	1.09	.79	.95	1.11	.62	.91	.67	-.04	.29	1.20	.70	1.01
21	1.18	.87	1.00	.99	.42	.73	.60	-.09	.29	1.56	.82	1.29
22	.97	.49	.81	.81	.18	.55	.69	-.09	.35	1.15	.69	.94
23	1.05	.50	.80	.51	-.02	.29	.80	.01	.47	.97	.53	.81
24	1.13	.51	.89	.86	.05	.45	.79	.03	.47	.89	.51	.75
25	1.31	.55	1.01	.95	.11	.58	.77	.08	.49	1.26	.70	1.03
26	1.54	.71	1.21	.77	.04	.46	.57	-.09	.27	1.14	.82	1.00
27	1.44	.79	1.14	.76	.00	.41	.52	-.18	.15	1.24	.80	1.04
28	1.18	.61	.92	.86	.00	.45	.43	-.16	.17	1.45	.97	1.21
29	.99	.41	.74	.83	.10	.47	.50	-.01	.30	1.40	.58	1.05
30	1.06	.31	.70	.73	.10	.41	.60	.15	.39	.78	.36	.58
31	---	---	---	.77	.10	.45	.49	.20	.38	---	---	---
MONTH	1.54	.18	.80	1.34	-.02	.66	1.12	-.30	.36	1.56	.08	.76

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.

REMARKS.--Specific conductance records poor due to limitations of the instrument over the range of measured conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 43,900 microsiemens, Sept. 21, 1999; minimum, 122 microsiemens, Feb. 18, 1996.

WATER TEMPERATURES: Maximum, 34.2°C, Aug. 6, 1999; minimum, 6.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum, 43,900 microsiemens, Sept. 31; minimum, 271 microsiemens, Feb. 12.

WATER TEMPERATURES: Maximum, 34.2°C, Aug. 6; minimum, 7.6°C, Jan. 6.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	19900	2560	12500	22500	11900	15300	1880	781	980	12200	1040	2680
2	10700	6440	8480	33100	17100	26200	2460	631	845	26900	3560	16000
3	7690	5030	6120	17100	5340	9440	8290	875	2710	3560	608	2070
4	6720	3820	4690	8690	3120	5040	20200	2640	9040	890	474	653
5	6990	3690	4580	6270	1330	2760	14100	2840	5750	612	410	485
6	16200	6990	10600	3210	1180	1680	13600	2660	6580	4360	612	1590
7	19600	3390	11200	6870	1080	2970	16900	2060	8140	10200	1050	3240
8	3390	756	1660	11300	1560	4400	6830	785	2890	1240	621	891
9	810	600	710	16200	2280	7230	785	472	538	4300	782	1490
10	1410	810	1080	28600	4030	19900	14800	546	6740	831	386	561
11	1260	900	1030	11000	799	3470	19400	2400	8220	538	375	438
12	1500	900	1180	3280	793	2010	26500	8710	16600	889	374	528
13	1180	782	990	20500	1730	12300	8740	896	4090	6750	791	2120
14	---	---	---	21800	9720	16700	1220	694	908	6750	1130	1840
15	---	---	---	9720	3020	5260	---	---	---	1680	472	790
16	25300	4550	18000	3080	591	1580	---	---	---	7090	631	1950
17	28100	24000	25900	1360	555	912	4140	646	1340	9180	1190	3080
18	28700	27500	28200	1130	558	845	16700	630	3090	9190	957	2820
19	28500	15800	22900	2950	699	1070	24100	6460	15400	1120	597	807
20	16300	9320	12100	7950	546	2090	16900	4620	8110	804	457	580
21	9870	2760	5850	765	506	584	17000	4000	8280	2900	457	680
22	2760	1430	1970	11300	551	3320	5160	445	2390	23300	2900	17800
23	23800	1870	10400	24200	4680	9770	891	397	571	21600	4940	11900
24	30400	18200	23000	7200	2930	3930	6790	533	2360	4940	461	1560
25	31700	18400	24400	8270	944	3250	533	334	411	948	390	680
26	31900	19100	24700	1310	652	1000	6840	433	1410	706	369	509
27	28800	15900	22100	1000	571	772	16300	2090	7200	614	352	499
28	22100	13100	16900	888	558	722	21100	4780	9270	1170	429	582
29	27000	13400	19700	1100	567	674	5550	2680	3340	8580	752	2230
30	26900	15000	19800	7170	1100	2610	6490	1680	2570	17100	1430	5990
31	23600	13800	18300	---	---	---	13700	1250	4000	1590	506	976
MONTH	---	---	---	33100	506	5590	---	---	---	26900	352	2840

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1310	367	737	416	284	334	737	372	605	12100	546	2680
2	626	382	539	337	288	308	960	681	824	10600	1250	4600
3	760	359	471	657	287	450	1180	580	792	8520	1110	3090
4	561	350	438	661	340	404	718	441	569	27900	1140	13000
5	394	300	323	3220	378	1700	804	399	502	29000	20100	24600
6	636	298	384	1070	444	558	691	373	480	26800	19700	23200
7	437	303	346	802	316	495	444	372	398	23000	8080	15400
8	446	275	365	20900	315	7400	424	353	390	8080	2540	4110
9	463	273	341	20200	2010	6260	539	356	439	4730	1400	2120
10	525	272	333	7880	1330	2420	697	490	558	2980	850	1320
11	307	271	285	6620	955	1930	683	404	485	2530	793	1240
12	944	271	531	14800	567	2510	753	400	559	1040	542	812
13	756	276	466	26100	4870	14700	657	401	472	1650	609	966
14	541	279	398	16200	987	5260	18000	419	5500	1620	549	858
15	415	293	333	1100	491	879	20500	2340	10700	1140	541	682
16	326	281	297	845	480	606	2340	584	1030	934	492	640
17	414	278	300	837	459	652	1030	651	825	759	463	569
18	516	273	370	780	454	528	925	569	771	750	465	579
19	501	272	358	906	442	504	889	567	677	938	455	613
20	510	272	333	1500	550	872	1040	560	727	1070	481	667
21	791	272	394	1380	431	902	2060	580	955	895	480	651
22	791	293	438	940	432	623	22800	562	6080	1110	485	735
23	519	288	348	756	431	561	23100	3120	7640	1070	497	767
24	441	290	359	664	418	491	4470	680	1930	1510	739	1040
25	406	287	319	582	418	464	1240	603	855	1050	477	642
26	394	287	315	803	423	534	4070	637	1520	1030	573	752
27	326	286	298	485	417	443	14300	2350	7270	1150	435	658
28	399	281	321	2710	425	935	2360	933	1490	1140	433	571
29	---	---	---	3800	1140	2360	1210	579	759	926	408	517
30	---	---	---	1200	414	807	1180	557	754	712	395	468
31	---	---	---	414	372	389	---	---	---	550	435	462
MONTH	1310	271	384	26100	284	1850	23100	353	1890	29000	395	3520

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	563	444	477	561	401	454	600	478	523	23000	6570	16200
2	475	422	442	468	369	404	584	487	518	30100	20200	26800
3	449	404	422	412	345	373	1970	573	1220	28300	24500	26800
4	561	401	446	362	337	346	3740	1820	2740	24500	18400	23000
5	695	403	488	478	342	385	24600	2860	14700	18400	12700	15800
6	863	396	486	490	364	427	20700	11700	15200	12700	7520	10400
7	458	364	399	850	361	410	20000	10500	14800	10700	5510	7340
8	370	351	360	850	382	449	18900	8950	12700	9680	4020	5960
9	384	349	360	604	367	433	9040	3530	6280	4350	1600	2330
10	489	359	378	490	404	435	3530	1190	1940	9850	1360	3420
11	912	375	485	739	437	502	1190	862	1020	11800	3120	5910
12	823	444	549	626	472	516	1020	654	823	16300	6800	10600
13	708	435	499	705	506	551	912	747	832	27100	13500	19000
14	855	446	554	660	536	573	891	649	788	28600	15400	21700
15	863	410	541	758	545	606	9940	633	1930	16300	10600	13000
16	708	418	516	576	501	533	19000	6280	13500	18800	11800	15200
17	665	462	520	519	464	486	13900	5500	10600	18900	14000	16100
18	516	461	484	505	474	489	5520	2380	4020	29400	14400	23200
19	2030	449	658	512	499	505	3030	1140	2240	31400	20900	28400
20	5860	756	2610	517	502	506	7970	1140	3320	34800	28500	33000
21	7620	2610	4350	682	496	525	7070	1100	2870	43900	34600	37100
22	2980	1520	1910	822	521	622	11100	1100	4340	36800	30400	34600
23	1810	605	876	1360	536	875	18700	1430	8640	35000	32600	34300
24	878	594	732	1370	555	756	15400	3490	7980	33200	29600	32200
25	1210	583	829	696	597	635	8530	3420	5380	38100	32900	34500
26	1020	582	688	998	511	686	4050	984	1580	38100	35400	37200
27	689	453	534	851	482	563	1080	886	963	36000	34300	35600
28	756	438	591	624	486	537	1990	891	1140	36500	34300	35500
29	737	457	588	648	472	521	5360	1070	2860	35600	31100	34100
30	734	439	533	703	495	559	9120	2480	3860	32300	28400	30500
31	---	---	---	627	509	553	8880	5740	6800	---	---	---
MONTH	7620	349	777	1370	337	523	24600	478	5040	43900	1360	22300

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	28.6	26.1	27.2	24.1	22.3	23.1	20.6	19.3	20.0	13.0	11.6	12.2
2	28.6	26.1	27.7	24.2	23.0	23.6	21.1	19.8	20.3	14.2	12.1	13.6
3	28.7	27.1	27.8	23.0	22.2	22.6	21.3	20.0	20.7	12.1	10.7	11.3
4	28.5	27.3	27.8	22.5	21.6	22.1	22.2	20.9	21.4	10.7	8.8	9.5
5	28.0	26.9	27.4	21.9	20.0	21.0	22.2	20.7	21.6	8.8	7.8	8.2
6	27.8	26.6	27.3	20.0	18.7	19.4	22.2	21.5	21.8	9.1	7.6	8.3
7	27.3	26.2	26.8	19.0	17.2	18.4	22.7	21.6	22.2	9.9	8.6	9.4
8	27.0	25.7	26.2	19.3	17.0	18.5	22.4	20.8	21.8	11.1	9.3	10.1
9	25.8	25.0	25.4	20.2	17.9	19.2	20.8	19.6	20.1	12.4	10.9	11.5
10	25.5	24.2	24.9	20.6	19.6	20.1	19.7	18.8	19.3	11.0	9.9	10.3
11	25.5	24.3	24.8	19.8	18.5	19.0	19.1	18.7	19.0	10.9	9.5	10.1
12	25.8	24.5	24.9	18.6	18.0	18.4	19.5	18.3	18.9	12.0	9.9	10.6
13	25.3	23.7	24.5	18.3	17.2	17.7	18.3	15.8	17.1	12.1	10.9	11.4
14	25.0	24.0	24.5	18.4	17.3	17.8	16.9	15.4	16.2	13.0	11.3	12.1
15	26.8	25.0	25.7	19.0	18.4	18.6	---	---	---	12.6	11.4	12.0
16	26.2	24.6	25.3	18.9	18.5	18.7	---	---	---	12.9	11.7	12.3
17	26.1	25.0	25.5	19.0	18.6	18.8	14.3	13.6	14.0	13.5	12.2	13.0
18	26.0	24.9	25.4	19.6	18.4	19.0	14.3	12.9	13.6	16.0	13.5	14.5
19	27.0	25.1	26.0	19.8	18.8	19.3	15.2	12.9	14.2	16.5	13.4	14.6
20	26.6	25.4	26.0	20.2	19.3	19.8	16.6	14.6	15.4	16.4	15.1	15.6
21	26.0	25.0	25.5	19.4	18.2	18.8	17.4	15.7	16.4	18.0	15.8	16.8
22	25.1	23.5	24.3	19.0	17.7	18.5	16.5	14.6	15.6	20.0	18.0	19.6
23	23.5	19.3	21.7	19.5	17.7	18.7	14.6	13.6	14.0	19.6	15.8	18.0
24	20.8	17.7	19.3	19.7	18.4	18.9	13.8	12.3	13.0	15.8	14.1	15.1
25	21.3	18.1	19.7	19.8	18.9	19.1	12.3	11.0	11.6	14.1	12.9	13.4
26	22.2	19.5	20.7	19.9	18.7	19.3	11.0	10.6	10.7	13.8	12.7	13.1
27	22.3	20.4	21.2	20.0	19.0	19.4	11.2	10.5	10.8	15.9	13.1	14.2
28	22.9	21.3	21.8	19.9	18.7	19.4	11.8	10.8	11.4	17.3	14.5	15.6
29	23.3	21.8	22.4	19.8	18.8	19.4	11.7	11.0	11.3	18.5	16.3	17.2
30	24.1	22.5	22.9	19.8	19.1	19.6	11.6	10.9	11.2	20.0	17.6	18.6
31	23.8	22.6	23.1	---	---	---	12.0	10.7	11.5	18.6	16.3	17.6
MONTH	28.7	17.7	24.6	24.2	17.0	19.5	---	---	---	20.0	7.6	13.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	17.8	15.2	16.3	16.7	14.6	15.7	17.0	15.2	16.1	24.3	23.2	23.5
2	15.7	14.4	15.3	16.9	15.2	16.0	18.2	16.5	17.3	24.2	23.1	23.5
3	15.2	13.9	14.3	17.7	15.9	16.9	19.9	17.6	18.6	24.5	23.0	23.6
4	15.9	13.7	14.6	16.9	15.1	15.9	20.8	18.7	19.3	24.1	23.3	23.7
5	14.5	13.3	13.9	16.7	15.3	15.9	21.0	19.2	20.1	25.7	24.0	24.8
6	15.4	13.9	14.8	19.1	16.6	17.7	21.2	20.2	20.8	26.9	25.2	25.9
7	16.4	14.9	15.5	19.2	16.5	17.7	22.2	21.0	21.5	26.8	24.7	25.6
8	16.9	16.2	16.5	17.9	16.1	16.9	23.3	21.6	22.3	26.0	24.1	24.8
9	17.8	16.1	16.8	17.7	17.0	17.3	23.4	22.2	22.8	25.4	24.3	24.9
10	18.2	16.5	17.2	19.6	17.3	18.0	24.6	23.0	23.9	25.5	24.6	24.9
11	18.2	16.9	17.5	19.5	18.1	18.6	25.0	23.6	24.2	24.7	23.7	24.2
12	17.5	14.8	16.7	19.0	17.6	18.1	25.0	24.0	24.5	24.1	23.2	23.6
13	14.8	13.8	14.4	19.2	17.9	18.5	25.2	23.5	24.1	25.6	23.0	23.8
14	14.2	12.9	13.6	17.9	14.8	16.0	24.9	23.4	24.1	25.6	23.7	24.5
15	14.4	13.3	13.8	15.5	13.3	14.2	24.8	23.4	24.1	25.8	24.3	25.0
16	14.6	13.3	13.9	14.6	12.8	13.6	23.4	21.6	22.7	27.0	24.8	25.7
17	14.8	13.6	14.1	15.4	13.4	14.5	21.6	20.2	21.0	27.1	25.4	26.0
18	15.3	13.7	14.5	17.4	15.1	16.1	20.7	19.5	20.1	27.8	25.6	26.1
19	15.9	13.7	14.7	18.9	16.1	17.2	21.5	19.8	20.5	26.6	25.5	25.8
20	15.4	13.7	14.5	19.5	17.0	18.2	22.5	20.3	21.1	27.2	25.4	25.9
21	14.7	13.6	14.1	19.0	16.3	17.7	22.2	20.9	21.6	26.9	25.4	26.0
22	13.7	12.2	12.9	18.7	16.0	16.9	23.1	21.3	22.1	27.1	25.8	26.2
23	13.1	12.2	12.6	18.5	16.5	17.2	24.2	22.3	23.1	27.6	26.2	26.7
24	13.9	12.5	13.0	18.8	16.9	17.8	24.6	23.0	23.7	29.2	26.8	27.7
25	13.9	12.3	13.1	17.7	16.0	17.0	25.1	23.7	24.2	28.1	27.0	27.6
26	14.9	12.9	13.8	17.8	15.9	16.5	25.0	23.8	24.3	29.3	27.4	28.0
27	15.1	13.9	14.5	18.1	15.2	16.0	25.2	24.2	24.6	29.8	27.9	28.7
28	16.4	14.5	15.3	17.5	15.3	16.2	26.1	24.3	25.2	29.4	28.0	28.7
29	---	---	---	17.6	16.2	16.9	26.0	24.4	25.0	29.1	27.8	28.5
30	---	---	---	16.2	14.9	15.5	25.6	23.6	24.5	29.1	27.8	28.4
31	---	---	---	15.8	14.7	15.2	---	---	---	29.2	27.4	28.2
MONTH	18.2	12.2	14.7	19.6	12.8	16.6	26.1	15.2	22.2	29.8	23.0	25.8

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.6	27.5	28.4	30.8	29.8	30.3	32.6	31.5	32.0	30.7	29.2	29.9
2	29.4	27.8	28.5	31.8	30.1	30.7	33.4	31.6	32.4	29.9	27.4	28.3
3	---	---	---	31.7	30.3	30.9	33.3	31.6	32.2	28.9	27.0	27.8
4	29.4	28.8	29.1	31.1	30.4	30.6	33.1	31.5	32.2	30.8	28.4	29.3
5	30.7	29.0	29.4	30.9	29.8	30.2	33.1	31.1	32.0	31.1	29.5	30.2
6	29.8	28.9	29.2	30.8	29.7	30.1	34.2	31.4	32.2	31.4	29.7	30.3
7	29.8	28.6	29.0	30.8	29.8	30.2	34.0	31.4	32.3	30.6	29.9	30.3
8	29.7	28.4	29.0	30.8	29.9	30.2	33.1	31.7	32.3	31.2	29.7	30.2
9	29.8	28.4	29.0	31.1	29.7	30.2	31.9	30.7	31.5	30.6	29.6	30.0
10	30.2	28.8	29.3	30.3	29.6	30.0	31.4	30.5	31.0	30.3	29.1	29.6
11	30.2	28.9	29.4	30.8	29.6	30.2	30.9	30.0	30.5	30.0	29.0	29.5
12	29.9	28.3	28.9	30.6	29.8	30.2	31.8	30.4	31.0	30.0	29.2	29.8
13	29.4	28.5	28.9	30.3	29.4	29.9	31.6	30.7	31.1	30.5	29.2	29.8
14	30.1	28.8	29.3	30.8	29.1	29.8	32.9	31.0	31.7	30.4	28.4	29.5
15	30.4	29.3	29.8	31.8	29.3	30.1	32.3	31.1	31.6	29.7	28.0	28.9
16	29.9	29.2	29.5	30.9	29.5	29.9	32.0	30.7	31.2	29.0	27.2	28.1
17	29.8	29.1	29.4	30.4	29.6	30.0	33.2	31.3	31.9	28.3	26.8	27.6
18	30.2	28.7	29.4	30.2	29.2	29.6	32.7	30.9	31.7	27.7	25.8	26.9
19	29.8	28.7	29.2	30.1	29.1	29.5	31.9	31.5	31.6	27.5	26.0	26.7
20	29.9	28.7	29.1	29.5	28.7	29.1	32.7	31.2	31.8	27.4	26.5	27.0
21	29.9	28.9	29.3	30.0	28.5	29.2	33.0	31.5	32.1	28.2	27.0	27.5
22	29.6	28.8	29.1	30.5	28.8	29.7	33.4	31.6	32.3	27.0	25.7	26.2
23	29.9	28.7	29.1	31.6	29.5	30.5	33.4	31.7	32.4	26.1	24.7	25.3
24	30.2	28.8	29.4	31.3	29.8	30.4	33.2	31.6	32.3	25.9	24.5	25.1
25	30.0	29.0	29.5	30.7	29.6	30.2	32.9	31.7	32.2	25.4	23.8	24.8
26	29.4	28.7	29.0	31.3	29.9	30.5	32.2	31.6	31.8	26.0	23.6	24.5
27	29.5	28.5	28.9	31.1	30.4	30.6	32.4	31.5	31.8	27.1	24.5	25.5
28	29.9	28.6	29.2	31.7	30.4	30.8	31.7	31.0	31.3	27.1	25.8	26.7
29	30.4	29.1	29.7	31.9	30.5	31.1	31.8	31.0	31.3	27.8	26.0	26.9
30	30.8	29.5	30.1	32.0	30.7	31.3	31.4	30.2	30.9	26.0	24.8	25.3
31	---	---	---	32.8	31.1	31.8	31.4	29.9	30.5	---	---	---
MONTH	---	---	---	32.8	28.5	30.3	34.2	29.9	31.7	31.4	23.6	27.9

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 recorded, 10.20 ft, Sept. 26; minimum recorded, 7.31 ft, Jan. 4.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.73	8.69	9.27	9.78	9.25	9.43	8.99	8.04	8.45	9.38	8.10	8.60
2	9.40	8.81	9.11	9.94	9.24	9.50	9.10	8.05	8.52	9.64	8.31	8.91
3	9.44	8.71	9.13	9.51	8.62	9.07	9.36	8.07	8.64	8.31	7.50	7.82
4	9.58	8.86	9.26	9.47	8.58	9.04	9.36	8.28	8.84	8.16	7.31	7.69
5	9.69	8.92	9.37	9.34	8.12	8.61	9.34	8.09	8.70	8.23	7.45	7.75
6	10.04	9.33	9.65	8.88	7.88	8.34	9.35	8.47	8.91	8.72	8.08	8.32
7	9.83	8.92	9.33	8.87	7.88	8.39	9.40	8.40	8.92	8.80	8.08	8.44
8	9.38	8.42	8.87	8.99	8.01	8.50	9.25	8.24	8.67	8.94	8.32	8.58
9	9.36	8.50	8.93	9.14	8.28	8.71	8.80	8.05	8.28	9.08	7.75	8.25
10	9.38	8.45	8.94	9.49	8.66	9.07	9.01	8.43	8.66	8.46	7.54	7.93
11	9.26	8.47	8.89	8.75	8.07	8.38	9.07	8.36	8.59	8.46	7.85	8.16
12	9.30	8.20	8.76	8.79	8.41	8.60	9.14	8.37	8.63	8.83	7.82	8.23
13	8.92	8.25	8.60	9.17	8.59	8.81	8.46	7.78	8.04	8.97	8.25	8.64
14	9.00	8.49	8.75	9.17	8.83	8.97	8.45	7.65	8.00	8.99	8.08	8.52
15	9.08	8.69	8.99	8.93	8.46	8.72	8.43	7.66	8.02	9.06	7.95	8.43
16	9.58	9.08	9.42	8.92	8.31	8.59	8.53	7.52	7.99	9.17	8.20	8.65
17	9.88	9.51	9.68	8.79	7.95	8.39	8.50	7.39	7.89	9.28	8.30	8.76
18	9.87	9.43	9.57	9.01	8.10	8.54	9.12	7.77	8.24	9.22	8.30	8.75
19	9.57	9.09	9.29	9.18	8.11	8.59	9.16	8.16	8.64	9.05	8.21	8.65
20	9.38	8.83	9.14	9.19	8.15	8.65	9.03	8.00	8.49	9.09	8.15	8.63
21	9.42	8.68	8.97	8.76	7.99	8.30	9.16	8.09	8.59	9.26	8.61	8.86
22	8.89	8.19	8.54	8.94	8.03	8.49	8.93	7.72	8.29	9.92	9.26	9.64
23	9.29	8.70	8.91	9.21	8.08	8.63	8.67	7.85	8.27	9.56	8.18	8.70
24	9.38	8.65	9.04	8.83	7.90	8.37	8.77	7.69	8.13	8.59	7.89	8.25
25	9.62	8.75	9.16	9.03	8.05	8.48	8.24	7.80	8.04	8.57	7.87	8.19
26	9.72	8.79	9.23	8.82	7.87	8.30	8.59	7.95	8.17	8.68	7.80	8.23
27	9.62	8.62	9.10	8.62	7.94	8.24	8.84	8.18	8.46	8.98	7.94	8.42
28	9.43	8.79	9.12	8.78	8.10	8.32	8.80	8.40	8.54	9.44	8.12	8.62
29	9.60	8.94	9.28	8.84	8.29	8.53	8.75	8.08	8.37	9.55	8.41	8.90
30	9.66	8.94	9.28	8.88	8.37	8.64	8.95	7.69	8.20	9.59	8.52	8.99
31	9.54	8.99	9.29	---	---	---	8.95	7.93	8.45	9.12	8.19	8.67
MONTH	10.04	8.19	9.12	9.94	7.87	8.64	9.40	7.39	8.41	9.92	7.31	8.49

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.19	8.24	8.72	9.03	8.13	8.53	---	---	---	---	---	---
2	9.33	8.50	8.94	9.31	8.39	8.77	---	---	---	---	---	---
3	9.23	8.65	8.95	8.94	7.79	8.27	---	---	---	---	---	---
4	9.18	8.42	8.77	8.79	7.97	8.32	---	---	---	---	---	---
5	8.92	8.73	8.80	8.94	8.36	8.64	---	---	---	---	---	---
6	9.03	8.53	8.75	8.54	8.23	8.34	---	---	---	---	---	---
7	8.98	8.65	8.82	8.42	7.92	8.18	---	---	---	---	---	---
8	8.90	8.20	8.63	9.05	8.40	8.72	---	---	---	---	---	---
9	9.03	8.43	8.72	8.84	8.42	8.65	---	---	---	---	---	---
10	9.06	8.25	8.67	9.09	8.30	8.67	---	---	---	---	---	---
11	9.22	8.50	8.85	9.15	8.39	8.75	---	---	---	---	---	---
12	9.13	7.70	8.21	9.27	8.18	8.71	---	---	---	---	---	---
13	8.51	7.57	7.99	9.67	8.61	9.06	---	---	---	---	---	---
14	8.90	7.75	8.15	9.07	7.69	8.18	---	---	---	---	---	---
15	8.90	8.07	8.49	7.90	7.33	7.57	---	---	---	---	---	---
16	9.14	8.34	8.72	7.97	7.49	7.66	---	---	---	---	---	---
17	9.48	8.70	9.00	8.35	7.79	8.05	---	---	---	---	---	---
18	9.14	8.57	8.87	---	---	---	---	---	---	---	---	---
19	9.17	8.54	8.81	---	---	---	---	---	---	---	---	---
20	9.15	8.49	8.84	---	---	---	---	---	---	---	---	---
21	8.92	8.05	8.43	---	---	---	---	---	---	---	---	---
22	9.24	7.71	8.34	---	---	---	---	---	---	---	---	---
23	9.10	8.41	8.77	---	---	---	---	---	---	---	---	---
24	9.03	8.03	8.50	---	---	---	---	---	---	---	---	---
25	9.29	8.27	8.74	---	---	---	---	---	---	---	---	---
26	9.22	8.23	8.69	---	---	---	---	---	---	---	---	---
27	9.22	8.35	8.74	---	---	---	---	---	---	---	---	---
28	9.11	8.11	8.55	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	9.48	7.57	8.66	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	9.50	8.62	9.07	8.75	8.22	8.50	9.37	8.89	9.11
2	---	---	---	9.36	8.65	9.01	8.66	8.32	8.51	10.06	9.28	9.62
3	---	---	---	9.38	8.64	9.03	8.65	8.43	8.51	9.55	8.80	9.23
4	---	---	---	9.24	8.71	8.98	8.72	8.25	8.51	9.68	8.66	9.22
5	---	---	---	8.96	8.54	8.76	9.14	8.37	8.77	9.53	8.51	9.07
6	---	---	---	8.89	8.49	8.72	9.15	8.32	8.79	9.27	8.36	8.90
7	---	---	---	9.11	8.61	8.86	9.28	8.38	8.85	9.28	8.40	8.90
8	---	---	---	9.26	8.63	8.94	9.36	8.29	8.89	9.30	8.48	8.96
9	---	---	---	9.36	8.59	9.03	9.07	8.21	8.67	9.03	8.48	8.83
10	---	---	---	9.55	8.56	9.12	9.03	8.14	8.61	9.24	8.39	8.86
11	---	---	---	9.45	8.50	9.01	9.13	8.15	8.68	9.17	8.76	9.00
12	---	---	---	9.29	8.39	8.87	8.89	8.20	8.54	9.33	8.96	9.14
13	---	---	---	9.18	8.25	8.74	8.61	8.07	8.35	9.42	8.98	9.21
14	---	---	---	9.17	8.19	8.70	8.64	7.98	8.29	9.40	8.77	9.05
15	---	---	---	9.18	8.25	8.75	8.69	8.25	8.45	9.05	8.68	8.87
16	---	---	---	9.17	8.51	8.86	8.93	8.57	8.76	9.05	8.51	8.79
17	---	---	---	9.09	8.62	8.87	8.88	8.34	8.63	8.96	8.44	8.72
18	---	---	---	9.09	8.67	8.87	8.80	8.37	8.59	9.23	8.56	8.89
19	---	---	---	9.12	8.71	8.90	8.80	8.28	8.57	9.30	8.79	9.07
20	---	---	---	9.29	8.63	9.04	9.03	8.35	8.70	9.71	9.07	9.43
21	---	---	---	9.16	8.47	8.85	9.01	8.29	8.69	10.20	8.89	9.70
22	---	---	---	8.93	8.19	8.65	9.13	8.37	8.77	9.49	8.80	9.15
23	---	---	---	8.63	8.03	8.39	9.30	8.42	8.88	9.29	8.71	9.06
24	---	---	---	9.02	8.07	8.55	9.25	8.45	8.87	9.27	8.73	9.08
25	9.71	8.75	9.30	9.08	8.12	8.66	9.19	8.40	8.87	9.87	9.02	9.46
26	10.02	8.95	9.51	8.90	8.10	8.54	8.93	8.23	8.64	9.41	9.04	9.26
27	9.79	8.90	9.35	8.85	8.06	8.50	8.88	8.22	8.54	9.79	9.02	9.37
28	9.49	8.69	9.11	8.95	8.05	8.53	8.87	8.22	8.58	9.95	9.17	9.56
29	9.29	8.54	8.94	8.95	8.19	8.58	8.90	8.51	8.72	9.81	8.68	9.25
30	9.32	8.40	8.88	8.88	8.18	8.53	8.99	8.54	8.79	9.20	8.58	8.81
31	---	---	---	8.99	8.23	8.62	8.89	8.58	8.76	---	---	---
MONTH	---	---	---	9.55	8.03	8.79	9.36	7.98	8.65	10.20	8.36	9.12

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, 33,600 microsiemens, Apr. 22, 1996; minimum, 1,560 microsiemens, on July 27, 1994.

WATER TEMPERATURES: Maximum, 35.3°C, July 6, 1998; minimum, 2.3°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 29,900 microsiemens, May 5; minimum, 5,080 microsiemens, July 7.

WATER TEMPERATURES: Maximum, 34.4°C, Aug. 2; minimum, 4.6°C, Jan. 5.

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10600	7260	8680	22400	15500	17600	16500	12000	13600	20500	14900	16800
2	12000	7360	9170	23100	16100	18700	17400	12100	14000	21800	15700	18600
3	13200	8290	10000	20600	14600	16400	19300	12700	15200	15700	14300	14700
4	14400	7960	10700	21200	14400	17800	20100	15200	17300	16900	13200	14600
5	16000	9580	11500	21100	13500	16000	20600	13400	16200	16400	13500	14800
6	19200	11200	13800	16000	12500	14300	21600	15500	18200	16700	14400	15400
7	15200	8970	11900	16500	12900	14700	22600	14700	18300	17300	14900	16200
8	11300	7980	9150	16700	13700	15200	21700	13100	16600	18100	15600	16300
9	14000	8240	11100	17900	14800	16100	16300	13000	13700	18100	13200	14900
10	12700	8220	10500	19600	15400	17400	17900	15400	16900	14800	12700	13700
11	12300	8260	10200	15800	14100	14700	18000	16000	16800	14800	12600	13800
12	12500	7780	10000	17200	14800	16800	18100	13800	16000	15900	12500	13700
13	11900	7690	9350	17500	14800	16800	13900	12800	13200	17800	14300	15500
14	11300	7620	9700	17400	15300	16200	14800	11600	13200	18200	12700	15200
15	11500	8840	10700	15300	12400	13100	14600	12000	13100	18200	12700	15100
16	15200	10300	12700	13700	12200	12800	15800	12700	13700	18600	14000	15900
17	17200	12300	15200	14200	11300	12400	16400	13200	14100	20100	14700	16700
18	17400	14300	15900	14900	11500	13100	20100	13700	15500	21200	13600	16600
19	20500	12300	14900	15800	11900	13200	22200	15400	18200	19200	13600	15700
20	17500	11300	13900	16500	12200	13900	22700	14000	17900	19800	13200	15600
21	18100	11300	14100	15400	11700	13300	22400	16400	18700	23800	15700	18000
22	13000	10300	11600	15500	12300	14400	21100	14500	17400	25500	19300	22000
23	16200	13000	15200	16500	12000	14600	20000	14500	17700	23700	14900	17500
24	16400	14900	15700	17100	11700	14100	21100	14300	17600	17600	15600	16200
25	16200	14600	15500	16500	12000	14000	18100	14600	16400	17000	14000	14900
26	16500	14600	15400	15300	11800	13200	17200	13800	15700	16300	13600	14800
27	17900	13800	16000	14400	11600	12600	18400	14800	16600	17400	13700	15100
28	18100	13800	16200	13600	11200	12100	18400	16100	16900	18600	14200	16000
29	18500	15900	17100	16800	10900	13700	18600	14400	16200	21000	16400	17800
30	19500	15500	17500	17300	12700	14900	17800	13200	14900	21300	14900	17600
31	20200	15500	17900	---	---	---	18200	13900	15900	20300	14200	15900
MONTH	20500	7260	12900	23100	10900	14800	22700	11600	16000	25500	12500	16000

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	19900	13800	15800	13400	9910	11600	15400	11300	13300	20100	16000	18200
2	20100	14600	16800	14900	10800	12800	13000	7080	10900	21000	16400	18900
3	19300	14100	16500	14200	10300	11700	16700	7940	12600	21600	17000	19100
4	16100	13500	14600	13700	11200	12200	18400	9320	13600	26100	19400	22800
5	17100	13500	16400	15800	13100	14000	22900	16100	18500	29900	21700	26100
6	17200	13300	14900	13200	11400	11800	20300	13700	16000	28600	23400	26400
7	15400	13200	14500	14100	10800	12200	16700	12900	14100	25300	19700	21500
8	14900	8850	12900	17900	13600	15200	18400	13000	14700	24400	18800	21200
9	13600	8850	12200	16000	13400	14800	15600	7570	11300	25300	20900	22800
10	16500	8770	13000	18800	11800	14800	19800	11700	15000	26100	22600	24000
11	17500	12200	14300	18900	14000	16200	19200	12900	15400	28300	20300	24800
12	15700	12700	13600	20400	15000	17600	15600	11900	12500	21400	18100	19900
13	14000	12300	13200	24200	16000	18400	17200	12700	14800	18800	17400	18000
14	14000	12400	13200	20300	13800	15200	23300	16500	18900	21400	17300	18400
15	14600	12700	13400	15700	11300	12300	21800	14200	17800	22000	16200	18700
16	16000	13300	14100	15900	12100	13600	16200	14200	15300	23900	17800	20200
17	17200	14200	15100	14700	12900	13600	15000	13900	14400	24300	18500	20900
18	16900	12800	14400	14700	8810	12900	15400	13500	14300	24100	18200	20900
19	16400	11600	13600	15500	11300	13000	15200	13400	14200	22800	17900	20000
20	14700	11500	13200	12400	11900	12200	16200	13900	14700	23100	17900	19800
21	13400	11600	12300	13900	11800	12400	17900	13800	15300	22200	18100	19700
22	13100	11200	11800	13900	11400	12600	21800	13600	17000	21600	17000	19400
23	14200	12000	12700	14700	11800	12900	22300	15900	18100	21200	15300	18400
24	13700	10500	12000	14900	11900	13000	20200	15200	17400	19000	17900	18300
25	15200	11200	12600	15800	11900	13700	19300	14800	16500	19300	11800	17300
26	15600	11600	13100	14400	11500	12800	23200	19300	20400	17800	9480	13400
27	16400	11700	13600	14900	12000	13400	24100	16500	20900	16600	7130	12700
28	16400	11200	12800	16400	13800	15100	16500	15200	15500	17300	13400	15700
29	---	---	---	16800	13700	15700	18200	14300	16300	17300	11400	15100
30	---	---	---	17200	12200	14600	18800	14100	16600	17700	11700	15300
31	---	---	---	13800	12200	13300	---	---	---	18400	14300	16100
MONTH	20100	8770	13800	24200	8810	13700	24100	7080	15500	29900	7130	19500

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	20300	14900	16900	13200	6200	10600	11400	9160	10200	17800	14900	16600
2	21600	16000	18500	12400	8330	10600	11400	9320	10100	20000	15100	16800
3	21500	15800	18400	13700	9700	11600	11500	9830	10600	20100	14100	16800
4	19400	16800	17900	13000	8080	11100	12200	9430	10800	20300	13400	17000
5	19400	15500	17300	11600	9830	10800	14000	10500	12000	19900	12500	15600
6	19400	15800	17700	11600	9230	10700	16000	11500	13400	17800	11900	14200
7	18900	15800	17700	10300	5080	8370	17500	11900	14300	18600	11700	14500
8	20400	16200	18100	11100	6750	9410	18500	12500	15000	17800	11800	14700
9	20900	14200	16600	13700	8290	10900	16900	11500	13800	14800	11700	12900
10	18400	15300	17000	14800	10500	12200	14800	11300	12700	15500	11000	13000
11	18100	14600	16000	14600	10900	12200	13600	10800	11900	16000	13000	14600
12	18800	14200	16100	14800	10300	11800	13200	9950	10900	17200	15000	16500
13	18200	13900	15900	13600	10800	11900	10500	9680	9950	18700	15900	17300
14	18500	14000	15800	13100	10400	11500	10600	8640	9820	19000	13500	16600
15	17600	13800	15200	13100	9900	11400	11100	9200	10500	17800	12800	15500
16	16600	13200	14500	13300	9840	11600	12100	10200	11100	17900	12800	16100
17	15300	12900	14000	12900	9840	11800	12000	9820	10600	17300	12500	15400
18	15600	13200	14400	12900	11500	12200	12600	9640	11000	17500	14800	16000
19	15800	14200	15100	13200	11100	11900	12500	9410	10900	18200	16500	17500
20	16000	14600	15400	13200	9760	11500	13600	9410	11500	21900	17900	19700
21	16400	15300	16000	12600	10800	11400	14700	10100	12200	23900	19200	22000
22	15600	12600	14100	12300	10700	11300	15400	10000	12700	24100	17200	20800
23	14100	12400	13100	11500	10700	11000	18000	10900	14400	22300	17400	19700
24	15400	12900	14100	11800	10200	11100	19300	12000	15000	21700	16900	19400
25	16300	12500	13900	12500	10200	11300	18900	11400	14900	23200	19500	21700
26	16100	11200	13600	12200	10200	11200	15200	10400	11900	23400	20300	21800
27	13700	10400	11400	11900	9450	10700	15100	10200	11700	23700	20800	22800
28	13200	8010	11700	12300	8810	10500	14100	10000	12000	25100	22300	23300
29	12200	7960	11600	12800	8420	10900	16400	12400	13900	25400	18600	22600
30	13100	8630	11500	12200	8370	10400	16400	13500	14600	22700	17900	19000
31	---	---	---	12500	8260	10300	17300	13600	15300	---	---	---
MONTH	21600	7960	15300	14800	5080	11100	19300	8640	12200	25400	11000	17700

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	31.5	27.1	28.4	25.2	23.7	24.3	23.4	21.3	22.4	16.5	12.9	14.7
2	30.0	28.5	29.2	24.8	23.6	24.1	23.6	22.2	23.0	16.7	12.6	15.5
3	29.4	27.8	28.6	23.8	22.1	22.9	23.8	22.1	23.2	12.6	9.4	10.9
4	28.6	27.5	28.1	22.2	20.8	21.6	23.8	23.1	23.4	9.4	6.7	8.0
5	28.6	27.0	27.7	21.0	18.4	20.0	24.6	22.8	23.6	7.4	4.6	6.2
6	28.4	27.1	27.7	18.4	16.0	17.3	24.6	23.5	24.0	9.2	5.8	7.2
7	27.9	26.4	27.0	17.3	14.9	16.1	24.6	23.9	24.3	11.9	8.7	10.3
8	26.5	24.2	25.4	19.5	16.3	17.8	24.4	21.6	23.8	15.2	11.2	13.2
9	25.1	22.9	24.0	21.6	18.6	20.0	21.6	17.5	19.5	15.7	11.1	13.9
10	24.6	22.4	23.4	22.5	21.0	21.9	18.2	16.6	17.3	11.3	8.4	9.4
11	24.8	22.4	23.6	21.0	18.0	19.4	19.7	17.1	18.3	11.1	8.2	9.7
12	25.6	23.4	24.4	18.0	16.5	17.0	20.3	17.7	19.4	13.9	10.1	11.8
13	25.6	23.9	24.7	17.8	16.2	17.0	17.9	14.7	15.6	16.6	13.9	15.1
14	26.6	23.7	25.0	18.7	17.3	18.0	15.8	13.2	14.0	16.9	15.7	16.3
15	26.5	24.0	25.2	20.0	18.7	19.3	15.2	11.7	13.1	16.7	14.2	15.0
16	26.7	25.5	26.2	20.2	19.6	19.9	14.6	11.8	13.1	16.0	14.3	15.1
17	26.8	25.2	26.0	20.2	19.5	19.8	14.7	12.0	13.1	17.8	15.6	16.4
18	26.9	25.6	26.1	21.0	18.8	20.0	14.3	11.9	13.1	19.0	17.7	18.3
19	28.0	25.7	26.7	22.6	20.2	21.3	17.5	14.2	15.7	18.8	17.6	18.2
20	27.6	26.5	27.0	23.4	21.6	22.4	19.3	16.8	17.8	20.8	18.4	19.5
21	27.0	25.0	26.0	22.0	16.3	19.5	21.7	18.5	19.8	20.1	20.1	20.9
22	25.2	19.6	22.8	18.5	15.8	17.2	21.2	15.5	18.5	21.5	20.8	21.0
23	19.6	16.6	17.9	21.0	18.3	19.5	15.5	12.9	14.0	20.9	14.7	18.2
24	19.3	16.4	17.8	21.6	19.5	20.4	12.9	11.1	12.0	15.9	13.3	14.5
25	21.2	18.5	19.8	22.5	20.4	21.3	11.1	8.9	10.0	17.1	14.5	15.6
26	22.3	20.2	21.5	23.2	20.8	21.9	9.5	8.6	9.0	18.2	15.2	16.6
27	23.4	21.3	22.2	23.6	21.5	22.3	11.2	8.8	9.9	20.1	16.9	18.4
28	24.4	22.1	23.1	23.2	21.5	22.0	12.9	10.7	12.1	22.0	19.4	20.6
29	24.6	22.9	23.7	22.1	20.9	21.5	14.2	12.3	13.0	22.8	21.0	21.8
30	25.2	23.3	24.1	22.1	20.5	21.3	13.0	11.6	12.3	22.3	20.9	21.9
31	25.5	23.7	24.4	---	---	---	13.8	11.3	12.6	21.0	18.6	19.8
MONTH	31.5	16.4	24.8	25.2	14.9	20.2	24.6	8.6	16.8	22.8	4.6	15.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	20.2	17.2	18.5	20.1	17.6	18.9	22.5	19.5	20.9	24.3	20.7	22.6
2	18.9	18.3	18.6	20.6	19.3	19.9	23.9	21.0	22.5	24.4	21.8	23.0
3	18.5	17.5	17.9	20.2	16.9	18.8	25.1	22.6	23.9	25.2	22.6	23.8
4	20.2	17.8	18.8	17.0	14.8	16.0	25.5	23.5	24.5	24.6	23.2	23.9
5	19.9	18.3	19.1	18.4	15.4	16.7	26.2	24.2	25.2	26.6	24.2	25.4
6	21.7	19.0	20.3	21.4	18.1	19.6	27.4	24.8	26.1	28.2	25.6	26.6
7	22.6	20.9	21.6	20.4	16.3	18.5	28.7	25.3	26.8	28.1	25.3	26.7
8	22.6	21.3	21.9	18.2	15.7	16.8	27.4	25.4	26.5	28.2	25.3	26.5
9	22.8	21.8	22.2	20.8	17.9	19.0	26.8	24.8	25.7	28.1	25.6	26.9
10	24.0	21.9	22.8	21.3	19.1	20.1	27.1	25.0	26.0	27.5	26.3	26.9
11	24.9	22.6	23.9	21.7	19.9	20.9	27.9	25.6	26.7	26.4	23.9	24.7
12	24.5	16.0	20.1	21.4	19.7	20.4	27.1	26.0	26.6	26.2	23.4	24.5
13	16.3	13.5	14.7	20.5	19.1	20.0	26.9	24.7	25.9	27.3	25.2	26.2
14	15.2	12.0	13.5	19.2	12.4	15.4	25.6	23.7	24.8	29.0	26.0	27.2
15	15.6	13.1	14.2	15.3	10.6	12.8	25.3	22.6	24.6	28.3	26.4	27.4
16	17.1	15.2	16.0	16.7	12.0	14.2	22.6	20.0	20.8	28.1	26.3	27.3
17	17.3	16.9	17.1	19.1	15.2	16.9	21.8	18.0	19.8	28.6	26.4	27.3
18	18.9	16.2	17.2	22.1	18.4	20.0	21.3	17.5	19.4	29.0	26.4	27.5
19	18.9	16.7	17.6	23.5	20.2	21.6	22.4	18.9	20.5	28.5	26.1	27.5
20	17.6	15.6	16.7	22.4	20.3	21.3	24.3	20.1	22.3	29.2	26.8	28.0
21	17.1	13.2	16.0	21.4	17.8	20.0	24.6	21.6	23.3	29.7	26.8	28.1
22	13.5	11.3	12.1	21.0	18.5	19.9	26.0	22.6	24.3	30.4	27.1	28.5
23	14.4	11.2	12.7	22.0	18.8	20.5	27.6	24.5	26.0	29.6	27.8	28.7
24	15.9	13.0	14.4	23.6	20.6	22.1	27.8	26.0	26.7	30.3	27.3	28.7
25	18.0	14.4	16.0	23.8	22.0	22.9	28.7	26.0	27.1	30.0	27.8	29.1
26	20.2	16.9	18.3	22.0	19.2	20.4	27.5	26.1	26.6	30.0	27.3	28.7
27	21.0	19.1	19.8	20.6	17.2	18.8	27.2	25.0	25.8	30.0	27.0	28.7
28	21.5	18.7	19.5	19.4	17.6	18.5	29.0	25.4	26.6	30.8	28.1	29.2
29	---	---	---	20.9	18.7	19.8	29.8	27.1	28.2	29.8	27.1	28.7
30	---	---	---	20.4	18.4	19.1	27.9	24.2	25.7	29.1	27.6	28.2
31	---	---	---	21.2	18.1	19.3	---	---	---	29.6	26.6	27.9
MONTH	24.9	11.2	17.9	23.8	10.6	19.0	29.8	17.5	24.7	30.8	20.7	26.9

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.1	27.7	28.8	31.2	29.2	30.2	33.2	30.6	31.7	30.3	28.1	29.2
2	30.5	27.9	29.2	32.0	29.5	30.6	34.4	31.0	32.5	28.9	27.0	27.8
3	31.2	28.4	29.7	31.6	29.8	30.6	34.2	31.5	32.5	29.0	26.5	27.8
4	32.9	29.0	30.7	30.5	29.2	29.9	32.9	31.1	32.0	31.4	28.0	29.5
5	32.3	29.4	30.9	29.9	28.4	29.2	33.0	30.8	31.8	32.5	29.4	30.6
6	31.4	29.7	30.7	30.7	28.5	29.6	33.0	31.1	32.0	32.8	30.0	31.0
7	31.1	28.9	29.9	32.0	29.0	30.4	33.2	30.8	31.8	30.8	29.8	30.2
8	31.0	28.6	29.8	31.9	29.4	30.4	32.0	30.9	31.5	30.9	29.0	29.9
9	30.7	28.8	29.6	31.3	29.0	30.1	31.0	29.8	30.4	31.8	28.9	30.2
10	29.9	27.7	28.8	30.9	28.7	29.8	30.0	28.6	29.4	30.4	28.5	29.5
11	30.2	28.2	29.1	31.8	29.0	30.2	30.7	28.1	29.3	31.1	28.4	29.6
12	30.7	28.8	29.6	30.9	29.7	30.4	32.0	29.6	30.6	30.7	28.7	29.7
13	30.1	29.0	29.5	30.1	28.8	29.5	32.2	29.6	30.9	30.2	28.7	29.5
14	30.5	28.6	29.5	31.1	28.2	29.5	33.9	29.0	31.1	29.9	28.1	29.1
15	30.9	29.3	30.1	31.4	28.9	30.2	32.6	30.8	31.5	29.6	27.0	28.1
16	30.4	29.2	29.9	31.0	29.3	30.0	32.1	30.1	31.1	28.0	25.2	26.7
17	30.6	28.9	29.9	30.1	29.4	29.8	32.9	30.6	31.9	28.2	25.1	26.4
18	30.0	27.8	29.0	30.4	28.7	29.3	33.4	31.2	32.2	27.5	24.9	26.1
19	29.5	28.1	28.8	30.4	28.3	29.3	32.1	30.7	31.3	27.9	25.2	26.5
20	29.3	27.6	28.4	29.1	28.0	28.3	32.8	29.9	31.3	27.8	26.6	27.3
21	29.4	27.0	28.3	31.6	27.6	29.2	33.2	30.6	32.0	28.5	26.6	27.7
22	29.2	27.9	28.5	31.9	29.3	30.5	33.1	30.9	32.1	26.6	24.0	25.0
23	30.9	28.2	29.3	32.4	30.0	31.3	32.8	30.8	31.9	25.2	22.3	23.9
24	31.2	28.8	30.1	31.9	29.8	30.9	33.3	30.9	32.0	25.8	23.2	24.4
25	30.6	29.0	29.7	31.9	29.2	30.2	32.7	31.0	31.7	24.8	23.7	24.1
26	29.6	27.8	28.5	32.6	30.0	30.9	31.8	30.2	30.9	26.5	23.5	24.8
27	30.0	27.8	28.6	31.2	30.0	30.6	31.6	29.9	30.7	28.3	25.7	26.9
28	30.6	28.2	29.5	31.6	29.3	30.3	31.6	29.0	30.4	27.9	27.1	27.6
29	31.4	28.7	30.0	32.4	30.0	31.0	31.8	30.1	31.0	28.7	25.8	27.4
30	30.9	29.2	30.1	32.3	30.0	31.3	31.2	29.3	30.2	25.8	23.1	24.3
31	---	---	---	33.1	30.6	31.6	31.4	28.0	29.5	---	---	---
MONTH	32.9	27.0	29.5	33.1	27.6	30.2	34.4	28.0	31.3	32.8	22.3	27.7

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 NAVD 1988 (by Global Positioning System). Prior to Oct. 1, 1998, dtaum of gage was 0.02 ft above NAVD 1988.

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, 3.00 ft, Mar. 13; minimum, -1.38 ft, Feb. 12.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	2.34	.85	1.71	2.22	1.65	1.84	1.10	-.06	.63	2.02	-.18	.91
2	1.72	1.02	1.44	2.35	1.32	1.75	1.41	-.19	.71	2.13	.31	1.17
3	1.91	.62	1.41	1.85	.63	1.42	1.73	-.09	.89	.78	-.75	.10
4	2.23	1.04	1.65	2.04	.59	1.44	1.75	.10	1.06	.70	-1.02	-.11
5	2.09	1.04	1.62	1.70	.08	.91	1.65	-.18	.78	.87	-.65	.03
6	2.35	1.34	1.89	1.56	-.10	.77	1.75	.27	1.08	1.16	.30	.74
7	2.02	.95	1.52	1.61	-.25	.69	1.74	.38	1.09	1.14	.00	.61
8	1.70	.28	1.10	1.71	.05	.92	1.61	-.16	.69	1.26	.52	.83
9	1.77	.48	1.22	1.90	.47	1.19	1.17	.11	.52	1.12	-.43	.25
10	1.85	.36	1.19	2.14	1.17	1.66	1.17	.37	.87	.88	-.30	.35
11	1.77	.49	1.18	---	---	---	1.45	.37	.91	.94	-.02	.46
12	1.76	.19	1.01	---	---	---	1.42	.42	.77	1.31	-.25	.50
13	1.42	.33	.95	1.53	.94	1.23	.51	-.35	.15	1.37	.26	.90
14	1.59	.64	1.14	1.60	1.01	1.30	.75	-.24	.34	1.39	.00	.70
15	1.51	1.09	1.33	1.35	.65	1.09	.67	-.25	.23	1.55	-.46	.59
16	1.76	1.34	1.62	1.28	.47	.94	.96	-.43	.26	1.64	-.04	.86
17	2.10	1.66	1.92	1.29	.03	.71	.94	-.93	.14	1.64	.16	.98
18	2.12	1.62	1.84	1.48	.32	.97	1.85	-.26	.75	1.64	.04	.88
19	1.88	1.30	1.57	1.71	.18	.95	1.80	.05	.94	1.37	-.12	.71
20	1.72	.95	1.42	1.69	.24	.94	1.75	-.15	.76	1.37	.05	.78
21	1.71	.77	1.24	1.10	-.19	.45	1.75	.07	.84	1.77	.67	1.24
22	1.33	.04	.77	1.80	.10	.92	1.29	-.85	.39	2.32	1.46	1.86
23	1.75	.71	1.25	1.82	.21	1.03	1.37	-.30	.61	1.61	-.15	.62
24	2.08	.86	1.44	1.54	-.08	.74	1.14	-.40	.36	.98	-.15	.55
25	2.32	.94	1.60	1.54	.16	.89	.83	.01	.44	.91	-.19	.44
26	2.34	.90	1.60	1.26	-.06	.60	.95	.18	.55	.96	-.30	.45
27	2.17	.66	1.44	1.02	.12	.58	1.20	.32	.74	1.34	-.17	.67
28	1.98	.86	1.50	1.05	.34	.60	1.07	.55	.78	1.59	.02	.90
29	2.06	1.14	1.66	1.30	.46	.81	1.04	.01	.64	1.91	.18	1.11
30	2.08	1.16	1.67	1.30	.53	.89	1.57	-.71	.44	1.86	.35	1.12
31	2.01	1.24	1.68	---	---	---	1.47	-.37	.68	1.53	-.19	.81
MONTH	2.35	.04	1.44	---	---	---	1.85	-.93	.65	2.32	-1.02	.71

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.69	.05	.91	1.82	.10	.93	1.55	.84	1.23	1.58	.28	1.09
2	1.69	.39	1.07	1.83	.52	1.16	1.57	.80	1.26	1.65	.42	1.18
3	1.47	.36	1.01	1.68	-.15	.57	1.72	.91	1.42	1.68	.39	1.16
4	1.35	.33	.86	1.38	.45	.87	1.53	.98	1.31	2.46	.73	1.87
5	1.09	.79	.97	1.59	.57	1.20	1.85	.75	1.36	2.87	1.25	2.27
6	1.29	.65	.96	1.03	.42	.85	1.72	.54	1.19	2.07	1.16	1.74
7	1.19	.80	1.02	.91	.14	.55	1.45	.34	.95	1.75	.67	1.31
8	1.18	.42	.86	1.96	.69	1.43	1.56	.36	1.06	1.79	.94	1.41
9	1.40	.48	.94	1.37	.83	1.22	1.49	.87	1.20	1.80	1.07	1.52
10	1.40	.25	.90	1.83	.59	1.29	1.72	.60	1.28	1.92	1.26	1.56
11	1.53	.37	1.05	1.75	.69	1.28	1.56	.69	1.12	2.20	1.13	1.65
12	1.23	-1.38	.01	1.82	.45	1.21	1.29	.22	.78	1.66	.95	1.38
13	1.04	-.58	.26	3.00	1.17	1.80	1.70	.38	1.02	1.69	.41	1.20
14	1.36	-.70	.34	1.34	-.11	.31	2.04	1.30	1.63	1.52	.37	1.12
15	1.36	-.19	.63	1.02	-.93	.07	2.14	-.20	1.06	1.80	.38	1.26
16	1.52	.28	.95	1.13	.08	.72	1.22	-.24	.56	2.07	.36	1.37
17	1.62	.75	1.17	1.27	.43	.79	.92	-.37	.54	2.04	.36	1.38
18	1.42	.47	1.07	1.28	.55	.98	.85	-.47	.31	2.07	.38	1.25
19	1.50	.41	.88	1.59	.38	.99	.98	-.50	.45	1.87	.15	1.09
20	1.40	.43	.99	1.15	-.04	.76	1.09	-.38	.53	1.79	.35	1.18
21	.88	-.46	.35	1.07	-.24	.41	1.51	-.17	.84	1.49	.49	1.05
22	1.58	-.60	.62	1.39	-.09	.83	1.76	.64	1.24	1.32	.46	.94
23	1.52	.42	.97	1.36	.11	.93	1.64	.56	1.11	1.32	.55	.94
24	1.37	-.42	.54	1.32	.00	.81	1.22	.49	.86	.94	.40	.68
25	1.58	.07	.93	1.27	.12	.72	1.25	.54	.96	1.16	.36	.77
26	1.54	-.07	.87	1.14	-.62	.37	1.66	1.11	1.36	1.16	.17	.76
27	1.59	.27	1.02	1.39	-.09	.66	2.15	.85	1.47	.99	-.06	.61
28	1.57	-.11	.81	1.48	.57	1.07	1.39	.66	1.12	1.25	.06	.67
29	---	---	---	1.41	.58	1.01	1.51	.32	1.09	1.40	.03	.74
30	---	---	---	1.13	.13	.72	1.50	.15	.93	1.51	-.02	.85
31	---	---	---	1.36	.85	1.08	---	---	---	1.57	-.10	.90
MONTH	1.69	-1.38	.82	3.00	-.93	.89	2.15	-.50	1.04	2.87	-.10	1.19

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.71	.19	1.12	2.09	.58	1.45	1.16	.28	.84	1.81	.86	1.40
2	1.92	.46	1.30	1.92	.74	1.45	1.08	.49	.87	2.25	1.03	1.70
3	1.74	.37	1.11	1.98	.82	1.62	1.18	.66	.87	1.85	.75	1.40
4	1.48	.34	.95	1.90	1.11	1.56	1.28	.45	.83	2.01	.47	1.37
5	1.45	.28	.98	1.71	.92	1.36	1.65	.41	1.14	1.81	.36	1.22
6	1.34	.23	.89	1.45	.85	1.19	1.59	.35	1.11	1.67	.20	1.09
7	1.32	.65	1.05	1.48	.68	1.13	1.78	.39	1.21	1.68	.38	1.13
8	1.37	.99	1.18	1.55	.65	1.17	1.85	.11	1.21	1.72	.39	1.26
9	1.50	.96	1.27	1.81	.45	1.27	1.57	.00	.95	1.38	.46	1.07
10	1.58	.68	1.24	1.94	.34	1.39	1.58	-.03	.92	1.73	.53	1.22
11	1.61	.11	.98	2.00	.24	1.27	1.70	.12	1.06	1.61	.92	1.29
12	1.74	.17	1.11	1.78	.05	1.14	1.37	.10	.85	1.62	1.07	1.35
13	1.74	.15	1.08	1.76	.07	1.04	.98	.09	.64	1.74	1.11	1.47
14	1.88	.01	1.19	1.77	.05	1.03	1.07	.09	.60	1.82	.90	1.36
15	1.86	.01	1.15	1.56	.14	1.07	1.24	.28	.86	1.52	.90	1.23
16	1.81	.17	1.14	1.49	.49	1.14	1.43	.81	1.09	1.52	.63	1.07
17	1.74	.18	1.16	1.49	.59	1.12	1.24	.41	.91	1.43	.53	.94
18	1.71	.48	1.18	1.50	.88	1.20	1.23	.36	.92	1.68	.66	1.20
19	1.75	.87	1.43	1.61	.95	1.19	1.25	.40	.90	1.83	.91	1.42
20	1.86	1.22	1.53	1.72	.75	1.31	1.48	.44	1.03	2.15	1.47	1.86
21	1.96	1.51	1.69	1.53	.56	1.08	1.55	.37	1.00	2.58	.99	1.98
22	1.69	.89	1.39	1.38	.29	.94	1.58	.28	1.04	1.92	.97	1.47
23	1.80	.82	1.41	1.10	.15	.68	1.71	.33	1.18	1.64	.74	1.35
24	1.86	.79	1.46	1.40	.00	.89	1.78	.45	1.18	1.51	.94	1.28
25	2.10	.84	1.60	1.71	.22	1.04	1.73	.37	1.19	2.11	1.16	1.67
26	2.45	.93	1.70	1.44	.07	.88	1.42	.11	.87	1.73	1.22	1.50
27	2.18	.65	1.51	1.45	-.11	.84	1.24	.10	.83	1.96	1.05	1.57
28	1.92	.49	1.29	1.47	-.11	.93	1.38	.35	.92	2.20	1.24	1.78
29	1.68	.22	1.17	1.43	.20	.96	1.41	.65	1.11	2.14	.77	1.39
30	1.92	.25	1.21	1.30	.25	.90	1.52	.68	1.17	1.96	.56	1.00
31	---	---	---	1.29	.25	.96	1.29	.71	1.04	---	---	---
MONTH	2.45	.01	1.25	2.09	-.11	1.14	1.85	-.03	.98	2.58	.20	1.37

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 recorded, 41,800 microsiemens, Nov. 17, 1996; minimum recorded, 588 microsiemens, July 4, 1997.

WATER TEMPERATURES: Maximum recorded, 34.2 °C, Aug. 12, 1998, but may have been higher during period of missing record; minimum recorded, 0.9°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 40,300 microsiemens, Jan. 22; minimum, 4,600 microsiemens, Mar. 3.

WATER TEMPERATURES: Maximum, 33.5 °C, Aug. 3; minimum, 6.1°C, Jan. 5.

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	18900	12600	15800	34900	29700	32200	27700	21200	24100	24700	19300	22500
2	18600	11400	15000	34800	29700	32900	27700	21400	24000	30100	21200	25800
3	19100	11700	15900	33600	27400	29700	29000	23400	25700	22500	13700	15900
4	21100	12100	16600	35900	24200	29500	30200	26500	27700	18500	12100	13900
5	19900	13500	17900	32600	21800	25700	29500	24300	26900	19500	13300	16000
6	22700	17200	19900	27200	18200	23800	29500	27200	28200	21900	19000	20700
7	25800	15000	18300	30800	20900	25900	30100	27700	29100	23100	19200	21100
8	19400	11800	14200	29300	22800	25600	29800	26600	28000	23200	21000	22100
9	18200	13100	15300	31500	24100	27700	27600	26000	26900	22800	14100	18500
10	25000	12700	17900	34100	23100	30600	28800	25900	27200	20900	12800	16200
11	22700	16100	19000	30200	22900	25500	28100	23500	25500	20900	14500	17700
12	25300	7350	17800	32000	25200	28400	28800	24100	26300	22600	12800	17300
13	20700	11200	16300	32200	27300	29300	24100	19900	21900	25300	19400	21600
14	25700	15000	21300	31300	25700	28900	25400	18400	21000	24600	15100	19300
15	32000	22100	25300	27000	22900	24800	25100	17500	21100	23100	11400	16900
16	29800	23000	25900	25600	19000	22500	23900	15500	19900	23800	16700	20200
17	33100	19800	28000	23900	17400	21100	25000	16700	19700	25600	19000	22100
18	33000	25300	30300	28200	19200	23000	24900	20700	22800	25300	17000	21600
19	28500	23500	25700	28400	20400	23400	26100	23200	24700	23600	15600	19300
20	26600	23100	24700	27500	20700	23800	25900	21300	23700	22900	17500	20300
21	27900	22900	25100	24700	18900	21800	26000	22200	24300	28100	22900	24700
22	27400	20500	24100	32000	23000	26100	25200	20500	23100	40300	28100	34700
23	25800	19600	22500	29800	22600	25700	25300	21300	23600	36300	21200	28400
24	29900	23000	26200	26600	19200	22700	24600	19800	22600	24000	19300	21300
25	32900	26500	29100	27100	20800	23700	24000	20400	22300	23900	17000	20400
26	34200	26200	29800	25500	19000	22000	22300	18400	20600	26300	14900	19200
27	34200	24800	29200	25000	18800	21600	24600	20200	22100	25800	17300	20600
28	32800	25800	29200	24100	20700	22700	24600	20900	22600	28400	20900	24400
29	32800	26700	30000	25200	22700	23900	22800	15700	19300	31200	25500	27800
30	35500	27100	31000	26300	24500	25500	25000	12100	16600	31900	28000	29600
31	34300	29400	31400	---	---	---	25000	17400	20700	32100	21400	25800
MONTH	35500	7350	22900	35900	17400	25700	30200	12100	23600	40300	11400	21500

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	29600	18100	23700	15100	6670	11200	22300	16600	19700	24000	17700	20900
2	29400	20900	25700	20500	11500	14700	20800	17600	18900	27600	21400	24300
3	27800	20000	23700	17100	4600	9420	22500	17900	20100	25400	21300	23800
4	26500	18000	21600	16800	5520	9270	19800	15500	18100	34600	23200	28400
5	25800	22000	24400	22400	16800	19600	24600	15900	19500	35900	29800	33400
6	25800	20100	23900	17800	8980	13800	24100	18600	20500	34900	32100	32900
7	24900	22400	23500	13900	5510	8800	19700	17000	17900	32100	26800	28500
8	23900	17700	19700	29300	13600	21800	19000	16700	17500	29600	27100	28400
9	24900	18700	21000	24800	19700	22800	23600	18300	20700	29500	27700	28400
10	24500	16200	19400	26800	13400	20300	24300	16400	18900	28300	26400	27400
11	24700	17700	21300	26100	18700	21500	24700	18000	21000	30500	25300	26500
12	24700	11600	15300	29600	19700	22400	20000	13100	16600	26400	24300	25700
13	18900	8160	12500	35500	25200	28700	22100	14800	18500	25100	19800	23600
14	19000	8510	13800	26200	12200	18000	27500	22100	25600	25100	19800	22300
15	19600	12500	16600	18400	9330	11500	30000	16000	24300	25400	19800	22800
16	21100	15500	18100	20700	13300	15800	18400	14800	16800	28000	21600	24600
17	23100	17500	20900	17800	13500	15900	15400	10200	13300	29100	23700	25900
18	22000	12800	17100	16200	13500	15100	14100	8110	10500	28100	23700	25500
19	21100	10200	14200	18200	11800	16200	19300	7380	12400	26300	18300	21800
20	18700	9400	14400	14400	8320	11300	17500	8780	13000	25300	18200	21700
21	16000	5150	9260	12100	7150	8480	20000	11300	14900	23400	19500	21400
22	16900	4950	9300	17200	7420	11700	23100	17100	20500	22500	18300	20200
23	19100	12100	15100	17700	12300	14500	22700	19600	20600	20200	16200	18300
24	16100	5490	9750	16400	10800	13200	22000	18800	19700	17600	11100	13300
25	19200	8890	13100	15100	10500	12500	19500	18500	19000	18700	11400	14700
26	19200	9260	13500	13400	6840	9140	24400	18900	21300	16100	12100	13400
27	18900	12400	14800	15200	9200	12500	25800	21500	24200	16700	10000	13000
28	17500	7140	12000	20300	14000	15600	22200	16700	20900	18400	8380	12800
29	---	---	---	21300	14800	17600	23700	16700	19900	18500	9710	12800
30	---	---	---	15600	12800	14300	22400	16200	19400	17600	9350	13200
31	---	---	---	19600	14000	16300	---	---	---	17300	10400	13900
MONTH	29600	4950	17400	35500	4600	15300	30000	7380	18800	35900	8380	22100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	18800	10700	15200	18200	14300	16100	12700	10900	11800	18400	15900	17200
2	19300	15300	17700	17300	15400	16200	12600	10100	11500	20300	18300	19300
3	19200	16400	17800	18000	15400	17100	12800	8590	11300	20400	19500	19900
4	17600	14400	16100	17800	15600	16700	15300	10400	12200	20300	19000	19700
5	17000	12300	15200	17000	13500	15800	25000	12700	18100	19100	18400	18800
6	16500	12800	14700	15300	11300	13500	21400	13500	17600	18400	17400	18000
7	18000	13700	16100	15300	12900	14200	22100	13700	17900	17400	16600	17000
8	19100	16600	17700	18900	13100	15300	22600	12900	17900	20300	16400	17400
9	19400	15100	17200	20400	13100	15700	21000	11000	16000	18300	15900	17600
10	18000	15600	16500	21800	12600	17300	21300	9450	14400	19400	15300	17300
11	16900	11000	15500	21500	11300	15900	21200	8740	15300	20000	17200	18700
12	20000	11100	15500	19700	10400	15000	16400	13000	14100	21000	19100	20100
13	19300	11800	15500	18700	9740	13700	13000	7750	11300	22400	20600	21300
14	20200	12200	15700	16500	9740	13200	7750	5910	6380	23200	20100	22000
15	19700	12000	15500	16100	11100	13600	8960	6500	7180	22200	19500	21000
16	21000	12100	16000	17800	14100	15500	11700	8960	10300	24000	19100	22500
17	18400	11400	14600	16200	13900	15200	12200	10400	11600	23600	18000	21700
18	16800	13900	15000	17000	15400	16300	12300	9860	11200	25900	21200	23100
19	17500	15100	16200	17100	14900	16000	11200	9920	10600	31500	22500	26900
20	16700	15100	16200	18100	15500	16600	13100	9900	11800	32600	28100	30300
21	16500	14500	15200	16300	13300	15200	13900	12100	13000	39400	28700	33300
22	16600	15700	16100	14900	9970	13300	15500	13000	14300	33600	26800	30500
23	16000	15500	15700	13600	8380	11300	17000	14200	15700	33100	26400	29400
24	16100	15500	15800	15000	8590	12000	17800	16200	17000	31500	26300	29100
25	18200	15700	16700	16200	9680	13700	19100	16000	17800	35200	28200	32300
26	19400	18000	18600	15400	12100	13900	16900	14800	15700	34500	31500	33000
27	19900	18300	19100	15600	11500	13500	14800	13700	14100	34000	31600	32400
28	18600	16800	18000	15700	11400	13400	14200	12600	13400	37100	32100	34500
29	16800	14600	16100	15600	11900	14000	15500	14100	14700	37300	30600	34100
30	16500	13300	14800	17400	11400	13900	16100	15500	15600	32600	30300	31100
31	---	---	---	15700	10600	13500	16600	15900	16300	---	---	---
MONTH	21000	10700	16200	21800	8380	14700	25000	5910	13700	39400	15300	24300

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	29.8	27.5	28.6	25.0	23.9	24.4	23.5	21.8	22.7	15.5	12.8	14.2
2	30.4	28.9	29.3	25.1	23.6	24.2	24.2	22.6	23.3	14.9	12.9	14.5
3	29.8	28.4	29.0	23.6	22.2	23.0	23.7	22.3	22.9	12.9	9.2	11.3
4	28.8	27.7	28.2	22.9	21.2	22.1	23.4	22.3	22.9	9.2	7.3	8.2
5	28.4	27.0	27.7	21.2	17.8	19.8	24.5	22.6	23.5	8.1	6.1	7.1
6	28.2	26.9	27.6	18.1	16.3	17.2	24.5	23.0	23.8	9.0	6.3	7.7
7	27.5	26.2	26.9	17.3	15.6	16.6	24.6	23.5	24.1	11.6	8.7	10.2
8	26.2	24.6	25.3	19.0	16.1	17.6	24.5	20.6	23.6	13.3	11.1	12.1
9	25.0	22.7	24.1	20.2	17.6	18.9	20.6	18.3	18.9	13.7	10.2	12.9
10	24.7	22.7	23.8	21.0	19.9	20.3	20.0	18.2	19.0	10.9	8.8	9.9
11	24.8	23.1	23.9	19.9	18.2	18.9	19.8	17.6	18.8	11.5	9.3	10.6
12	25.6	23.5	24.5	18.3	17.2	17.7	19.7	17.5	19.2	12.5	10.6	11.7
13	25.6	23.7	24.7	18.0	17.1	17.5	17.5	13.6	15.3	14.3	12.2	13.2
14	26.9	24.6	25.3	18.8	17.9	18.3	15.1	13.3	14.2	15.4	13.7	14.5
15	26.3	24.8	25.7	19.8	18.6	19.2	14.4	12.2	13.5	15.1	13.5	14.2
16	26.7	25.6	26.1	19.9	19.3	19.6	14.2	12.1	13.3	16.1	13.7	14.7
17	26.9	25.6	26.2	19.9	19.3	19.6	14.1	12.2	13.3	16.8	14.6	15.7
18	26.9	25.9	26.3	20.7	18.8	19.8	13.7	12.1	13.1	18.9	15.9	17.4
19	27.6	26.0	26.8	22.2	19.6	20.7	16.0	13.5	14.9	19.0	17.0	18.1
20	27.8	26.4	27.0	22.8	20.5	21.6	18.1	15.4	16.7	20.8	18.0	19.3
21	26.9	24.7	26.0	21.1	17.5	19.2	19.6	16.5	18.1	21.2	19.3	20.2
22	24.7	20.1	22.5	19.8	17.4	18.8	18.8	14.5	17.0	20.7	19.7	20.2
23	20.1	18.2	19.3	20.9	18.9	19.9	15.4	13.7	14.5	20.2	15.6	18.2
24	20.3	17.4	19.1	21.9	19.7	20.7	13.7	10.8	12.3	15.8	13.6	14.7
25	21.4	18.9	20.0	22.2	20.2	21.1	11.1	9.6	10.3	15.8	13.8	15.0
26	22.3	19.8	21.1	22.7	20.7	21.7	9.8	9.3	9.6	16.9	14.7	15.9
27	22.7	20.7	21.8	23.6	21.4	22.4	11.4	9.4	10.3	18.6	16.6	17.6
28	23.6	21.8	22.8	23.6	21.9	22.7	12.5	11.2	12.0	20.2	18.0	19.0
29	24.2	22.8	23.5	22.8	21.5	22.1	13.5	12.1	12.7	21.2	19.4	20.3
30	25.5	23.1	24.1	22.6	21.0	21.8	13.0	11.7	12.5	21.5	20.2	20.8
31	25.5	23.8	24.5	---	---	---	14.0	11.7	12.9	20.2	18.4	19.3
MONTH	30.4	17.4	24.9	25.1	15.6	20.2	24.6	9.3	16.7	21.5	6.1	14.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	19.5	17.6	18.5	20.1	17.9	18.7	22.6	19.7	20.8	24.4	22.4	23.4
2	18.7	17.9	18.3	20.6	17.9	19.2	23.8	21.5	22.5	25.5	22.6	23.9
3	18.4	17.4	17.8	19.9	17.1	18.7	24.4	23.0	23.7	25.1	22.8	23.8
4	19.9	18.0	18.9	17.3	15.2	16.3	25.0	23.7	24.3	24.9	23.6	24.2
5	20.1	18.2	19.2	19.1	16.6	17.8	25.6	23.9	24.7	26.3	24.4	25.2
6	21.7	19.0	20.3	21.1	18.6	19.7	26.6	24.8	25.6	27.6	25.4	26.1
7	22.4	20.6	21.4	20.4	17.5	18.8	27.9	25.4	26.4	26.9	24.7	26.0
8	22.9	21.4	22.0	19.5	17.2	18.3	27.1	25.3	26.3	27.8	25.3	26.2
9	22.7	21.9	22.3	21.3	19.1	19.8	26.7	25.2	25.9	27.5	25.6	26.4
10	23.5	21.9	22.7	21.0	19.6	20.3	26.5	25.1	25.8	27.1	25.8	26.3
11	24.0	22.6	23.3	21.2	20.0	20.6	27.7	25.5	26.3	26.1	24.2	24.9
12	23.5	15.4	18.9	20.8	20.0	20.4	26.9	25.7	26.4	25.8	23.6	24.6
13	15.9	13.9	15.1	20.6	19.1	20.3	26.8	25.2	25.9	27.2	25.0	26.0
14	14.5	12.2	13.6	19.1	12.8	15.8	25.8	24.2	25.0	28.6	26.3	26.9
15	15.8	13.1	14.5	14.0	10.7	12.5	25.1	22.5	24.4	29.2	26.5	27.5
16	16.7	14.7	15.7	15.8	12.2	14.0	22.5	19.1	20.2	28.8	26.7	27.7
17	16.7	15.5	16.2	17.7	14.6	16.1	19.8	18.0	19.1	28.4	26.5	27.4
18	17.8	16.2	16.8	20.3	16.9	18.4	20.3	17.4	18.9	28.6	26.6	27.5
19	17.9	16.4	17.1	21.7	18.7	20.0	21.6	18.6	19.8	28.1	26.1	27.2
20	17.6	15.9	16.8	22.1	20.1	20.9	23.0	19.8	21.0	28.7	26.3	27.4
21	17.1	13.3	15.7	21.0	18.4	19.9	22.9	20.8	21.8	28.9	26.5	27.6
22	13.8	10.3	12.4	20.5	18.1	19.4	24.5	21.7	23.0	29.4	27.0	28.1
23	14.6	12.5	13.6	21.1	18.8	19.9	26.4	23.7	24.8	28.8	27.5	28.1
24	15.4	12.9	14.2	21.9	20.2	21.1	27.9	25.3	26.2	30.0	27.7	28.6
25	16.6	14.5	15.4	23.4	21.5	22.2	27.9	25.8	26.8	29.6	27.6	28.7
26	18.2	15.9	17.1	21.5	19.1	20.3	26.9	25.7	26.3	29.1	27.4	28.3
27	19.2	17.4	18.4	20.2	18.1	19.0	26.6	25.4	26.1	29.3	27.6	28.4
28	20.1	18.1	18.9	19.8	17.5	18.8	28.7	25.5	26.8	30.1	28.2	29.0
29	---	---	---	20.6	19.1	19.8	29.4	27.0	27.7	29.9	27.0	28.5
30	---	---	---	20.0	18.6	19.0	27.2	24.1	25.5	29.2	27.4	28.3
31	---	---	---	20.5	18.4	19.2	---	---	---	29.4	26.7	27.8
MONTH	24.0	10.3	17.7	23.4	10.7	18.9	29.4	17.4	24.3	30.1	22.4	26.8

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.2	27.7	28.6	31.0	28.8	29.8	32.1	30.5	31.4	30.1	27.8	28.7
2	30.5	27.9	29.1	31.4	29.2	30.1	32.7	30.4	31.5	28.4	27.0	27.9
3	31.0	28.3	29.3	30.7	29.1	29.8	33.5	30.6	31.7	28.1	26.6	27.4
4	31.3	28.9	29.9	29.7	28.8	29.1	33.3	31.1	32.0	29.6	27.5	28.5
5	31.4	29.3	30.3	28.8	27.8	28.3	32.8	31.5	31.8	30.5	28.8	29.7
6	30.8	29.2	30.0	30.1	27.2	28.5	33.1	31.3	31.8	31.6	29.4	30.3
7	29.6	28.4	28.9	30.5	28.3	29.4	33.0	31.3	32.1	30.9	29.9	30.3
8	30.7	27.8	29.0	30.5	29.1	29.9	32.9	31.6	32.2	31.2	29.5	30.0
9	30.1	28.4	29.1	31.1	29.0	30.0	31.7	29.9	31.0	31.1	28.8	29.8
10	30.2	28.0	28.6	30.6	29.1	29.9	30.2	28.7	29.5	30.5	27.5	29.0
11	29.7	27.8	28.6	31.8	29.2	30.2	30.5	28.3	29.2	30.8	28.5	29.5
12	30.5	28.7	29.4	31.4	29.8	30.6	31.2	29.3	30.1	30.6	28.8	29.8
13	31.1	28.9	29.6	30.4	28.9	29.9	31.5	29.5	30.4	30.7	28.6	29.7
14	31.6	28.8	29.9	30.6	28.2	29.3	32.2	29.5	30.8	29.9	28.2	29.2
15	31.4	28.8	30.0	30.9	28.9	29.9	31.5	28.8	30.4	29.0	26.2	27.7
16	31.1	29.4	30.3	30.3	29.1	29.7	32.0	29.9	30.9	27.7	25.0	26.4
17	30.6	29.2	29.8	29.6	28.7	29.1	33.0	30.3	31.6	27.1	24.8	26.1
18	29.6	27.6	28.6	29.5	28.1	28.7	32.4	30.4	31.2	27.4	25.2	26.2
19	29.2	27.6	28.4	29.5	27.9	28.6	30.6	30.0	30.4	28.0	25.8	26.7
20	29.4	27.1	28.3	29.0	28.0	28.3	32.3	29.9	30.8	28.3	26.7	27.4
21	28.6	27.1	28.0	30.2	27.4	28.5	33.0	30.7	31.4	28.7	26.9	27.9
22	28.7	27.6	28.2	31.7	29.2	30.4	33.1	30.9	31.8	26.9	23.5	24.9
23	30.0	27.9	28.8	32.2	29.7	31.0	33.1	31.3	32.0	25.0	22.3	23.8
24	30.8	28.8	29.7	31.2	30.1	30.8	33.2	31.3	32.1	25.7	23.3	24.5
25	30.1	29.0	29.5	31.9	29.7	30.4	32.4	31.2	31.7	25.4	24.3	24.8
26	29.5	28.3	28.9	31.6	29.4	30.5	31.2	30.0	30.7	26.9	24.1	25.4
27	29.7	28.1	28.8	31.0	29.9	30.5	32.1	30.1	30.8	28.4	25.5	26.9
28	29.9	28.1	29.0	31.0	29.2	30.0	31.4	29.3	30.4	27.4	26.2	26.8
29	30.7	28.4	29.4	32.0	29.6	30.5	32.1	30.1	31.1	27.6	25.5	26.8
30	31.0	28.7	29.8	31.8	29.9	30.8	31.2	29.3	30.5	25.5	22.2	23.5
31	---	---	---	32.5	30.3	31.0	29.8	28.2	29.0	---	---	---
MONTH	31.6	27.1	29.2	32.5	27.2	29.8	33.5	28.2	31.0	31.6	22.2	27.5

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 discharge, 1,450 ft³/s, Mar. 16; maximum elevation, 7.92 ft, Mar. 15; maximum negative discharge, -127 ft³/s, June 23, minimum elevation, 0.38 ft, Dec. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	18	7.2	34	97	32	89	18	83	38	7.1	16
2	8.2	22	9.0	111	54	30	61	15	49	34	5.3	15
3	9.4	19	7.0	145	42	125	47	14	35	38	6.7	20
4	6.6	18	6.7	81	39	138	44	15	29	38	7.4	18
5	16	15	7.9	33	40	71	35	17	31	47	7.6	17
6	26	14	8.1	20	35	59	33	19	39	47	2.7	16
7	51	15	7.1	133	32	51	25	15	35	41	5.4	29
8	39	26	12	481	35	42	22	14	26	35	3.4	40
9	18	29	4.2	416	35	59	16	15	22	27	.68	34
10	13	24	9.7	351	33	120	27	13	39	66	9.3	20
11	11	18	24	220	33	110	11	26	43	55	11	15
12	10	15	14	81	34	82	13	17	36	143	12	17
13	13	23	12	58	33	122	9.5	11	22	365	12	18
14	13	30	8.5	34	27	1030	-.20	5.5	29	293	11	15
15	9.3	34	6.4	26	25	1250	8.5	3.0	22	126	6.3	14
16	.98	20	7.3	22	27	1280	12	7.4	26	41	3.0	12
17	5.4	26	5.6	20	51	1100	31	9.4	39	35	2.9	9.1
18	8.7	18	5.1	16	178	881	22	9.9	7.5	43	-1.7	3.9
19	15	14	13	14	115	650	16	12	-12	40	-2.7	4.1
20	17	12	11	14	68	351	14	15	-11	26	2.1	8.3
21	15	8.4	8.9	20	51	147	8.1	15	-27	42	.37	6.4
22	12	6.5	9.0	18	43	83	11	15	-40	38	4.2	7.6
23	7.8	10	12	30	38	65	13	14	-43	27	-1.8	7.6
24	6.3	9.5	12	29	35	56	14	16	-23	30	-13	6.7
25	5.6	7.5	8.2	22	29	51	22	16	-29	28	-6.8	4.5
26	6.5	7.9	10	25	30	49	21	18	53	26	-1.0	10
27	7.4	8.2	7.7	27	29	44	12	23	196	23	1.0	13
28	6.6	6.4	67	29	39	39	20	24	127	18	.25	13
29	19	7.0	43	19	---	40	19	29	58	17	2.0	11
30	20	7.5	44	122	---	66	18	41	40	5.8	5.9	14
31	17	---	41	189	---	123	---	100	---	4.0	11	---
TOTAL	421.68	488.9	448.6	2840	1327	8346	693.90	582.2	901.5	1836.8	113.60	435.2
MEAN	13.6	16.3	14.5	91.6	47.4	269	23.1	18.8	30.0	59.3	3.66	14.5

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.64	1.18	.81	1.64	2.06	1.89	2.07	1.50	2.32	2.39	1.00	.85
2	.76	1.24	.86	2.37	1.56	1.88	1.97	1.44	2.00	2.23	.86	.86
3	.90	1.33	.89	4.96	1.38	2.26	1.97	1.61	1.80	2.09	.93	1.04
4	1.11	1.21	.86	3.76	1.31	2.45	1.98	1.75	1.73	1.99	.79	1.16
5	1.29	1.12	.92	2.44	1.34	2.09	2.00	1.85	1.78	1.95	.70	1.15
6	1.45	1.02	.84	2.01	1.33	1.97	1.98	1.84	1.71	1.98	.62	1.20
7	1.94	.83	.83	3.76	1.37	1.92	1.94	1.82	1.66	1.86	.96	1.28
8	1.86	.66	.80	7.58	1.37	1.84	1.90	1.80	1.63	1.77	.93	1.37
9	1.52	.83	.92	7.40	1.40	1.89	1.90	1.80	1.64	1.71	1.02	1.23
10	1.41	1.07	.97	6.76	1.43	2.03	1.92	1.99	1.84	1.91	1.32	1.12
11	1.33	1.13	.90	5.46	1.47	1.90	1.81	2.38	1.97	1.95	1.43	1.10
12	1.26	1.03	1.20	3.87	1.47	1.98	1.72	2.32	1.84	2.33	1.30	1.09
13	1.36	1.08	1.09	2.48	1.45	2.84	1.67	2.25	1.78	4.13	1.13	1.08
14	1.24	1.17	.67	1.70	1.44	7.09	1.63	2.17	1.87	4.00	.92	1.08
15	1.00	1.65	.50	1.30	1.47	7.87	1.65	2.13	1.78	2.58	.69	1.05
16	1.27	1.48	.54	1.03	1.54	7.78	1.59	2.13	1.85	1.82	.72	.97
17	1.51	1.40	.61	.84	1.73	7.30	1.61	2.11	1.93	1.72	.79	.75
18	1.82	1.40	.64	.78	2.47	6.45	1.47	2.07	1.72	1.80	.82	.44
19	1.67	1.60	.61	.77	2.25	5.43	1.38	2.08	1.62	1.87	.84	.50
20	1.57	1.86	1.12	1.02	2.03	4.02	1.35	2.05	1.53	1.86	.78	.56
21	1.48	1.70	1.27	1.14	1.92	2.76	1.43	2.03	1.56	1.89	.76	.63
22	1.33	1.38	1.19	1.32	1.88	2.35	1.50	2.03	1.58	1.78	.76	.78
23	1.02	1.31	1.08	1.65	1.86	2.16	1.60	2.02	1.57	1.58	.74	.74
24	.84	1.18	.92	1.47	1.82	2.03	1.64	1.99	1.58	1.41	.78	.70
25	.99	1.36	.86	1.25	1.79	1.93	1.76	1.95	1.72	1.44	.87	.70
26	1.27	1.40	.77	1.36	1.82	1.85	1.71	1.91	2.98	1.31	.88	.83
27	1.25	1.06	1.01	1.30	1.86	1.77	1.90	1.90	4.76	1.21	.88	.91
28	1.29	1.10	2.44	1.04	1.90	1.76	1.85	1.84	3.76	1.14	.87	.93
29	1.27	1.32	5.23	1.10	---	1.77	1.73	1.84	2.85	1.07	.86	1.19
30	1.15	1.06	3.87	1.86	---	1.91	1.60	1.84	2.57	.97	.86	1.01
31	1.24	---	2.36	2.91	---	2.17	---	2.38	---	.97	.85	---
MAX	1.94	1.86	5.23	7.58	2.47	7.87	2.07	2.38	4.76	4.13	1.43	1.37
MIN	.64	.66	.50	.77	1.31	1.76	1.35	1.44	1.53	.97	.62	.44

MISSISSIPPI RIVER DELTA
07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1969, 1978-87, 1998 to current year.

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)
JUN 1998										
26...	1315	351	7.0	29.8	1.0	150	38	--	13	--
SEP 12...	1940	192	7.5	--	--	69	17	41	6.2	13
NOV 17...	1101	314	7.09	17.6	1.7	130	33	E7	12	150
DEC 17...	0900	381	7.14	11.7	3.6	150	36	11	14	82
JAN 1999										
13...	1200	190	7.02	11.3	5.1	83	22	120	7.0	81
FEB 11...	0915	328	7.06	20.2	4.4	140	36	11	12	38
MAR 11...	0815	293	7.18	18.6	5.1	130	33	28	11	68
21...	0930	245	7.11	17.6	6.6	110	28	84	9.2	41
APR 09...	0815	342	7.30	24.1	1.3	150	40	28	13	190
22...	0815	370	7.50	22.7	1.4	160	41	E6	14	180
MAY 10...	1330	--	7.36	24.7	5.2	170	43	E8	14	38
25...	1000	442	7.47	26.6	2.2	180	45	E9	17	52
JUN 10...	0815	262	7.14	27.1	4.0	110	27	E6	9.2	56
18...	0945	283	7.58	28.3	--	110	27	<10	10	53
JUL 07...	1430	276	7.49	30.3	6.7	110	28	<10	11	15
AUG 03...	0945	282	7.90	30.0	2.0	120	29	E6	11	130
11...	0815	288	7.71	29.7	.88	120	31	14	11	320
30...	1145	299	8.02	29.0	2.2	120	31	E9	12	97

DATE	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKALINITY WATER TOTAL FIELD (MG/L AS CaCO3) (39086)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE, DIS-SOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUN 1998									
26...	--	--	--	--	--	3.9	--	--	--
SEP 12...	3.7	9.8	70	6.0	.1	7.7	.16	.8	2.5
NOV 17...	5.3	11	144	7.4	.1	4.5	.26	.8	.12
DEC 17...	5.2	17	171	12	.1	8.5	.28	.8	.11
JAN 1999									
13...	4.8	5.8	68.0	5.6	<.1	16	.14	.8	.44
FEB 11...	4.2	10	144	7.4	.1	10	.08	.6	.09
MAR 11...	4.2	10	130	8.6	<.1	10	.18	.8	.17
21...	4.1	7.2	105	6.5	.1	7.6	<.02	.6	.18
APR 09...	4.4	11	149	9.4	.1	10	.12	1.1	.38
22...	4.8	13	162	8.6	.2	8.0	.22	.8	.08
MAY 10...	4.8	13	182	8.6	.1	9.7	.08	.6	<.05
25...	4.9	21	202	13	.2	9.2	.13	.7	<.05
JUN 10...	4.7	10	95	8.2	.1	10	.39	1	3.0
18...	4.3	--	123	8.4	.2	--	.12	.6	.42
JUL 07...	4.5	9.5	117	7.1	.1	7.1	.12	.4	.53
AUG 03...	4.3	10	124	6.1	.2	5.2	.19	.7	.42
11...	5.0	12	--	7.4	.1	4.98	.23	.8	<.05
30...	4.7	12	138	7.2	.1	2.9	<.02	.4	<.05

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

E Estimated.

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	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)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	
SEP 1998										
12...	.35	.23	.22	11	134	--	--	--	--	
NOV										
17...	.14	.07	.05	11	186	115	--	2.9	.2	
DEC										
17...	.09	E.05	.04	11	299	235	115	1.3	<.1	
JAN 1999										
13...	.45	.27	.24	13	146	--	--	.3	<.1	
FEB										
11...	.21	.08	.06	7.6	193	--	330	9.9	.6	
MAR										
11...	.19	.08	.09	10	193	--	--	2.7	.2	
21...	.25	.14	.10	10	163	440	250	E4.6	E.3	
APR										
09...	.22	.17	.07	13	215	77	190	2.7	.2	
22...	.19	.10	.08	11	227	--	--	7.1	.6	
MAY										
10...	.20	.10	.08	10	235	--	--	13	.5	
25...	.21	.13	.11	11	260	--	--	12	1.1	
JUN										
10...	.19	.12	.09	12	174	255	260	5	.2	
18...	.22	.13	.09	9.7	186	170	520	9.6	.4	
JUL										
07...	.21	.12	.1	12	181	100	K310	29	3.5	
AUG										
03...	.30	.18	.14	13	168	650	980	9.8	.9	
11...	.45	.29	.28	14	175	K240	460	6.4	1	
30...	.23	.10	.07	12	173	310	720	24	2.8	
DATE	2,4,5-T DIS- SOLVED (UG/L) (39742)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)
JUN 1998										
16...	--	--	--	--	--	--	--	--	--	.062
NOV										
17...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
DEC										
17...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
JAN 1999										
13...	<.035	<.15	<.24	<.014	<.05	<.1	<.021	<.55	<.014	<.035
FEB										
11...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
MAR										
11...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
21...	<.035	<.15	<.24	<.014	<.07	<.1	<.021	<.65	<.014	<.08
APR										
09...	<.035	.25	<.24	<.34	<.035	<.1	<.021	<1.6	<.014	<3.3

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

E Estimated.

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

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AM BEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
NOV									
17...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
DEC									
17...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
JAN 1999									
13...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
FEB									
11...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
MAR									
11...	<.035	<.12	<.42	<.23	<.017	.14	<1.2	<.032	<.035
21...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
APR									
09...	<.035	1.4	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
DATE	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)
NOV									
17...	.07	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
DEC									
17...	.05	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
JAN 1999									
13...	<.02	<.42	<.013	<.035	<.03	<.17	<.14	<.026	<.017
FEB									
11...	.06	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
MAR									
11...	.15	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
21...	.11	<.42	<.03	<.035	<.018	<.17	<.14	<.026	<.017
APR									
09...	.68	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.150
DATE	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS-SOLVED (UG/L) (39762)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
NOV									
17...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25
DEC									
17...	<.015	<.024	<.31	<.018	.09	<.035	<.035	<.021	.29
JAN 1999									
13...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25
FEB									
11...	<.015	<.024	<.31	<.018	<.05	<.035	<.15	<.021	<.25
MAR									
11...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25
21...	<.015	<.024	<.31	<.05	<.05	<.035	<.035	<.021	<.25
APR									
09...	<.015	<.024	<.37	<.018	<.05	<.035	<.035	<.021	.42

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

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
JUN 1998											
16...	--	--	--	<.05	<.05	--	1.3	--	<.05	--	--
26...	7.3	--	--	--	--	--	--	--	--	--	--
SEP											
12...	--	--	<.003	<.002	<.002	<.002	.954	<.002	<.002	--	E.040
NOV											
17...	7.1	.7	<.003	<.002	.009	<.002	2.86	<.002	<.002	<.008	<.003
DEC											
17...	6.2	.5	<.003	<.002	<.002	<.002	1.16	<.002	<.002	<.008	<.003
JAN 1999											
13...	12	1.3	<.003	<.002	<.002	<.002	.075	<.002	<.002	<.008	<.003
FEB											
11...	7.6	1.3	<.003	<.002	<.002	<.002	.222	<.002	<.002	<.008	<.003
MAR											
11...	9.7	1.3	<.003	<.002	<.002	<.002	5.06	<.002	<.002	<.008	<.003
21...	11	1.5	<.003	<.002	.025	<.002	.877	<.002	<.002	<.008	<.003
APR											
09...	9.9	.7	<.003	.051	.011	<.002	E41	<.002	<.002	<.008	E.004
22...	8.6	.7	<.003	<.002	.009	<.002	8.35	<.002	<.002	--	<.003
MAY											
10...	7.4	1.4	<.003	<.002	<.002	<.002	1.36	<.002	<.002	--	<.003
25...	7.6	1.5	<.003	<.002	.006	<.002	.977	<.002	<.002	--	<.003
JUN											
10...	6.8	.8	<.003	E.004	<.002	<.002	10	<.002	<.002	--	E.017
18...	7.0	2.1	<.003	<.002	<.002	<.002	2.80	<.002	<.002	--	<.003
JUL											
07...	6.5	1.8	<.003	<.002	<.002	<.002	.554	<.002	<.002	--	<.003
AUG											
03...	7.0	.7	<.003	<.002	<.002	<.002	.308	<.002	<.002	--	<.003
11...	7.4	1.2	<.003	<.002	<.002	<.002	.255	<.002	<.002	--	<.003
30...	7.6	2.1	<.003	<.002	<.002	<.002	.206	<.002	<.002	--	<.003

DATE	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JUN 1998										
16...	--	--	--	<.20	--	.10	--	--	--	--
SEP										
12...	E.016	--	<.004	<.004	<.002	E.038	E.003	<.001	<.017	<.002
NOV										
17...	E.026	<.48	<.004	<.004	<.002	E.119	<.002	<.001	<.017	<.002
DEC										
17...	<.003	<.48	E.004	<.004	<.002	E.122	<.002	<.001	<.017	<.002
JAN 1999										
13...	<.003	<.48	<.004	<.004	<.002	E.022	<.002	<.001	<.017	<.002
FEB										
11...	<.003	<.48	<.004	<.004	<.002	E.028	<.002	<.001	<.017	<.002
MAR										
11...	<.003	<.48	<.004	<.004	<.002	E.105	.013	<.001	<.017	<.002
21...	<.003	<.48	<.004	<.004	<.002	E.048	.005	<.001	<.017	<.002
APR										
09...	E1.63	<.48	<.020	<.010	<.002	E.336	<.002	<.001	<.017	<.002
22...	E.142	--	<.004	<.004	<.002	E.276	<.002	<.001	<.017	<.002
MAY										
10...	<.003	--	<.004	<.004	<.002	E.107	.005	<.001	<.017	<.002
25...	<.003	--	<.004	<.004	<.002	E.181	<.002	<.001	<.017	<.002
JUN										
10...	E.176	--	<.004	.007	<.002	E.418	E.004	<.001	<.017	<.002
18...	<.003	--	<.004	<.004	<.002	E.172	.021	<.001	<.017	<.002
JUL										
07...	<.003	--	<.004	.526	<.002	E.081	<.002	<.001	<.017	<.002
AUG										
03...	<.003	--	<.004	.051	<.002	E.087	<.002	<.001	<.017	<.002
11...	<.003	--	<.004	.050	<.002	E.056	<.002	<.001	<.017	<.002
30...	<.003	--	<.004	.050	<.002	E.048	<.002	<.001	<.017	<.002

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

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
JUN 1998										
16...	--	--	--	--	--	--	--	--	.095	<.05
SEP										
12...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.052	.108
NOV										
17...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.033	.252
DEC										
17...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.030	.419
JAN 1999										
13...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.026	.092
FEB										
11...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.019	.018
MAR										
11...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.019	.021
21...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.013	.013
APR										
09...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	16	2.30
22...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	3.01	.898
MAY										
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.300	.041
25...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.242	.011
JUN										
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	2.41	.976
18...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.099	1.92
JUL										
07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.060	.121
AUG										
03...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.046	.024
11...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.030	.016
30...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.030	<.004
DATE	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P'- DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
JUN 1998										
16...	--	--	--	--	--	--	--	--	<.05	--
SEP										
12...	<.004	<.003	<.006	<.004	<.004	.0125	<.005	<.002	<.018	<.003
NOV										
17...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
DEC										
17...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JAN 1999										
13...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
FEB										
11...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAR										
11...	<.004	<.003	<.006	<.004	<.004	.047	<.005	<.002	<.018	<.003
21...	<.004	<.003	<.006	<.004	<.004	.036	<.005	<.002	E.003	<.003
APR										
09...	<.004	<.003	<.006	<.004	<.004	.040	<.005	<.002	E.005	<.003
22...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.007	<.003
MAY										
10...	<.004	<.085	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
25...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUN										
10...	<.004	<.003	<.006	<.004	<.004	.266	<.005	<.002	E.006	<.003
18...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUL										
07...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
AUG										
03...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
11...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
30...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003

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

E Estimated.

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
JUN 1998										
16...	<.050	--	--	<.050	--	--	--	--	--	--
SEP										
12...	<.007	<.004	<.013	.006	<.010	E.193	<.013	<.002	<.001	<.002
NOV										
17...	<.007	<.004	<.013	.012	<.010	E.106	<.013	<.002	<.001	<.002
DEC										
17...	<.007	<.004	<.013	.008	<.010	E.180	<.013	<.002	<.001	<.002
JAN 1999										
13...	<.007	<.004	<.013	.009	<.010	E.063	<.013	<.002	<.001	<.002
FEB										
11...	<.007	<.004	<.013	.005	<.010	E.013	<.013	<.002	<.001	<.002
MAR										
11...	<.007	<.004	<.013	.023	E.009	E.012	<.013	<.002	<.001	<.002
21...	<.007	<.004	<.013	.007	E.008	<.007	<.013	<.002	<.001	<.002
APR										
09...	<.007	<.004	<.013	.079	<.010	E.013	<.013	<.002	<.001	<.002
22...	<.007	<.004	<.013	.024	<.010	E.012	<.013	<.002	<.001	<.002
MAY										
10...	<.007	<.004	<.013	.006	<.010	E.007	<.013	<.002	<.001	E.004
25...	<.007	<.004	--	<.005	<.010	<.007	<.013	<.002	<.001	<.002
JUN										
10...	<.007	<.004	<.013	.037	<.010	<.007	<.013	<.002	<.001	E.002
18...	<.007	<.004	<.040	.015	<.010	E.077	<.013	<.002	<.001	<.002
JUL										
07...	<.007	<.004	<.040	.019	E.021	<.007	<.013	<.002	<.001	<.002
AUG										
03...	<.007	<.004	<.013	.015	E.009	<.007	<.013	<.002	<.001	E.004
11...	<.007	<.004	<.013	.012	E.006	E.013	<.013	<.002	<.001	<.002
30...	<.007	<.004	<.013	.014	E.008	E.019	<.013	<.002	<.001	<.002

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

E Estimated.

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 or elevation record: Nov. 1-11.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 28,500 ft³/s, Sept. 29, 1999; 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, 28,500 ft³/s, Sept. 29; maximum elevation, 3.24 ft, Mar. 2; maximum negative discharge, -19,200 ft³/s, Sept. 25; minimum elevation, 0.52 ft, Dec. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-3860	---	5650	862	614	4100	-1450	1860	1340	3590	5140	459
2	320	---	2200	2380	-669	666	-691	-1270	287	5660	3940	-1430
3	459	---	1580	13500	-1340	12500	-4790	-637	2540	5830	2510	980
4	-1900	---	1320	10000	1460	6000	39	-6540	4340	6500	4850	3910
5	-2330	---	4810	2740	-1650	-668	-160	-9540	3210	7520	-754	4650
6	-560	---	-547	-2410	-1430	9000	6540	-3040	4980	8290	333	5950
7	10800	---	2060	2850	-2140	14800	8950	4790	3570	4970	942	4200
8	14400	---	8920	3270	-747	-535	4700	-265	2140	2560	1300	1270
9	11100	---	9480	13000	-2110	3670	1340	-1650	1740	1390	1320	9700
10	6310	---	1800	8350	-1820	6880	2900	-2450	2450	479	3590	1920
11	4640	---	2490	3840	-3190	4460	5400	-2530	5600	1370	1820	1200
12	4980	3780	3440	4590	11800	8110	10400	792	3320	5000	3850	2450
13	6730	-2650	9310	2720	1530	-3390	4040	4450	3390	3100	5330	3450
14	2640	-1600	1050	5900	-1660	15200	-4340	3750	2170	3030	6380	5770
15	-1520	6620	1960	5670	-3290	16900	5240	638	3020	3000	2680	6820
16	-4080	5560	814	1810	-3420	4310	10700	-918	3730	3640	-1620	4550
17	-4680	6140	3060	1480	-2920	2990	8810	23	4710	4790	2550	5480
18	-2270	2240	-3310	4900	-2080	3080	6360	1210	3890	2110	2830	-2370
19	5090	2840	-2030	3090	940	211	2800	3440	1080	5000	1780	-1840
20	6320	5020	2810	2970	-1140	3500	1820	1330	1130	3170	637	-2850
21	8190	8530	1690	-5510	6310	7700	-717	1530	43	6330	2040	-2120
22	12000	822	10200	-8160	1210	245	-5430	3100	1810	7570	530	6420
23	1110	2570	2350	9900	-2190	-1700	-1540	3280	2130	8110	-237	1030
24	-1060	5210	7840	9520	1540	64	5340	6510	1190	2100	1490	2770
25	-1270	3790	3310	6520	-50	3610	3860	3590	1530	1290	544	-4160
26	1650	6140	250	4370	645	5200	-3260	2850	1690	4200	5820	90
27	3720	6020	-873	2070	136	-742	-2110	5850	5540	4080	7420	2940
28	3420	3490	4450	-17	7410	-3690	5910	5200	8060	2960	2320	-1450
29	1990	414	6100	-2590	---	70	5310	2220	8240	2570	-709	11000
30	2130	1110	5360	-124	---	5070	5900	2970	6810	2690	515	17500
31	897	---	2070	3260	---	604	---	2760	---	2300	4030	---
TOTAL	85366	---	99614	110767.83	1749	128215	81871	33303	95680	125199	73171	88289
MEAN	2754	---	3213	3573	62.5	4136	2729	1074	3189	4039	2360	2943

MISSISSIPPI RIVER DELTA

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.64	---	1.15	1.49	2.16	2.76	2.66	2.07	2.29	2.18	1.33	1.30
2	1.68	---	1.09	1.85	2.24	2.76	2.67	2.14	2.34	2.13	1.25	1.50
3	1.77	---	1.19	1.40	2.28	2.72	2.66	2.13	2.33	2.06	1.20	1.61
4	1.79	---	1.37	1.11	2.35	2.54	2.74	2.24	2.26	2.00	1.10	1.60
5	1.96	---	1.29	1.01	2.36	2.59	2.69	2.49	2.21	1.95	1.25	1.53
6	2.11	---	1.41	1.27	2.39	2.51	2.69	2.68	2.18	1.85	1.37	1.45
7	2.15	---	1.50	1.45	2.45	2.24	2.54	2.56	2.14	1.90	1.47	1.34
8	1.76	---	1.38	1.48	2.50	2.30	2.47	2.53	2.15	1.94	1.52	1.44
9	1.59	---	.89	1.51	2.53	2.45	2.53	2.55	2.18	2.04	1.53	1.30
10	1.61	---	1.06	1.25	2.58	2.34	2.47	2.61	2.19	2.11	1.50	1.20
11	1.60	---	.96	1.35	2.62	2.37	2.50	2.82	2.13	2.14	1.53	1.34
12	1.54	1.21	1.22	1.37	2.68	2.31	2.32	2.85	2.11	2.10	1.46	1.39
13	1.40	1.34	.83	1.55	2.61	2.52	2.27	2.83	2.10	2.07	1.28	1.41
14	1.44	1.70	.82	1.56	2.58	2.52	2.36	2.75	2.12	2.02	1.02	1.40
15	1.50	1.72	.79	1.41	2.63	2.17	2.52	2.73	2.13	1.98	.92	1.17
16	1.71	1.66	.83	1.56	2.71	2.22	2.15	2.75	2.13	2.02	1.16	1.03
17	1.97	1.49	.93	1.65	2.84	2.30	2.11	2.77	2.10	1.99	1.22	.90
18	2.14	1.50	1.08	1.67	2.89	2.33	1.95	2.81	2.04	1.99	1.18	1.06
19	2.04	1.54	1.46	1.61	2.96	2.43	1.88	2.77	2.08	2.00	1.16	1.26
20	1.92	1.62	1.44	1.63	2.92	2.44	1.89	2.74	2.08	2.04	1.21	1.50
21	1.80	1.31	1.56	1.72	2.97	2.34	1.90	2.74	2.13	1.95	1.25	1.76
22	1.42	1.42	1.42	2.04	2.80	2.36	2.06	2.70	2.14	1.82	1.27	1.43
23	1.40	1.57	1.31	2.11	2.88	2.43	2.15	2.65	2.09	1.62	1.37	1.39
24	1.59	1.44	1.25	1.79	2.87	2.47	2.13	2.60	2.06	1.60	1.41	1.38
25	1.75	1.47	1.09	1.71	2.86	2.53	2.10	2.51	2.14	1.69	1.47	1.45
26	1.85	1.35	1.15	1.64	2.86	2.44	2.16	2.46	2.40	1.67	1.32	1.61
27	1.84	1.20	1.27	1.66	2.85	2.43	2.34	2.40	2.43	1.62	1.09	1.59
28	1.79	1.13	1.49	1.79	2.84	2.48	2.27	2.33	2.32	1.57	.98	1.76
29	1.85	1.18	1.40	1.94	---	2.59	2.21	2.31	2.24	1.57	1.13	1.70
30	1.90	1.30	1.27	2.11	---	2.65	2.06	2.32	2.16	1.53	1.18	1.03
31	1.94	---	1.47	2.12	---	2.66	---	2.28	---	1.46	1.19	---
MAX	2.15	---	1.56	2.12	2.97	2.76	2.74	2.85	2.43	2.18	1.53	1.76
MIN	1.40	---	.79	1.01	2.16	2.17	1.88	2.07	2.04	1.46	.92	.90

MISSISSIPPI RIVER DELTA
073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1998 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
AUG 13...	1115	294	8.87	34.1	6.7	110	29	--	10	--
SEP 13...	0930	292	8.09	--	--	110	29	<10	8.9	<4
NOV 11...	1530	342	8.06	19.2	9.7	110	29	<10	9.6	E2
DEC 14...	1600	341	8.23	14.5	10.2	120	32	<10	11	5
JAN 11...	1430	324	8.24	10.5	12.1	120	32	E8	10	1
FEB 08...	1600	234	7.70	15.4	7.85	82	22	35	6.3	10
MAR 08...	1300	321	8.17	17.7	10.5	110	30	E6	9.2	<3
22...	0945	311	8.81	18.5	--	110	30	<10	9.6	4
APR 06...	1030	308	8.70	23.1	6.7	110	30	E6	9.3	<3
19...	1100	314	8.70	20.5	8.0	120	31	E8	10	<3
MAY 12...	1045	--	--	--	--	140	36	<10	12	7
26...	0900	319	8.85	29.2	7.1	110	28	<10	10	<3
JUN 07...	1430	340	8.45	29.9	6.4	120	31	<10	10	E3
22...	1200	355	8.28	29.2	6.2	120	32	<10	9.7	<3
JUL 06...	1415	330	8.50	29.2	6.8	120	32	<10	9.8	<3
22...	1315	--	--	--	--	110	30	<10	9.4	--
AUG 04...	1030	319	8.87	31.8	6.2	120	32	<10	9.8	<3
09...	1200	407	8.35	32.4	6.5	150	39	<10	12	<3
31...	1500	446	8.56	30.5	5.2	170	44	<10	14	3

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

MISSISSIPPI RIVER DELTA

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L ASN) (00631)
AUG									
13...	--	--	104	--	--	21	--	--	--
SEP									
13...	3.4	14	96	17	.2	22	.13	.5	.20
NOV									
11...	3.8	20	94	21	.2	32	.16	.5	.17
DEC									
14...	4.0	19	102	22	.2	31	.03	.4	<.05
JAN									
11...	4.0	19	100	22	.2	32	<.02	.4	.40
FEB									
08...	2.4	12	61	15	<.1	27	.05	.3	.76
MAR									
08...	3.6	17	87	21	.2	28	<.02	.4	<.05
22...	3.8	18	94	22	.1	23	<.02	.4	<.05
APR									
06...	3.4	16	90	21	.1	24	<.02	.4	.11
19...	4.0	18	94	22	.2	--	<.02	.5	<.05
MAY									
12...	3.0	22	97	28	.2	48	.04	.4	1.8
26...	3.3	19	88	24	.1	30	.02	.4	<.05
JUN									
07...	3.2	19	100	24	.1	25	.04	.5	<.05
22...	3.5	19	103	24	.2	27	.08	.4	.06
JUL									
06...	3.4	18	102	22	.2	24	.03	.4	<.05
22...	3.5	--	--	--	--	19	.01	.4	<.01
AUG									
04...	3.4	17	100	19	.2	--	<.02	.3	<.05
09...	3.6	22	118	26	.2	43	.02	.3	.75
31...	3.8	26	134	28	.2	45	.15	.6	.71
DATE	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)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP									
13...	.13	.05	.04	5.8	173	--	--	--	--
NOV									
11...	.17	E.02	.04	6.1	199	K100	--	12	E.6
DEC									
14...	.13	<.05	.02	6.7	215	--	15	36	.7
JAN									
11...	.11	.03	.02	6.2	209	24	--	7.9	.3
FEB									
08...	.16	.04	.03	6.2	148	--	--	1.6	<.1
MAR									
08...	.11	.02	.02	1.1	182	K100	--	18	.3
22...	.10	.01	<.01	1.8	190	7	4	24	.8
APR									
06...	.13	.01	<.01	3.0	181	5	8	13	E.7
19...	.14	.03	.02	3.9	190	--	K70	12	.4
MAY									
12...	.13	.05	.04	5.6	245	--	--	1.3	<.1
26...	.17	.04	.03	5.7	195	E12	E15	33	E.3
JUN									
07...	.19	.05	.04	9.0	215	5	54	70	1.2
22...	.14	.05	.05	8.3	203	25	100	21	1.2
JUL									
06...	.20	.06	.05	9.8	216	K30	K30	29	1.4
22...	--	--	.08	--	--	--	--	--	--
AUG									
04...	.23	.12	.09	11	193	10	10	40	1.1
09...	.17	.09	.07	9.0	241	355	445	31	.8
31...	.21	.14	.10	10	267	K10	K26	20	.9

< 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

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	ALUMINUM, 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)	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)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)
DEC 14...	--	--	--	--	--	--	--	--	--	--	<.1	--
JAN 11...	5	<1	1	71	<1	<1	9	<1	2	<1	<.1	2
DATE	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)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)
JAN 11...	2	<1	<1	3	<.032	<.064	<.066	<.044	<.026	<.16	<.036	<.13
FEB 08...	--	--	--	--	<.032	<.064	<.066	<.044	<.026	<.16	<.036	<.13
MAR 22...	--	--	--	--	<.032	<.064	<.066	<.044	<.026	<.16	<.036	<.13
DATE	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	2,4,5-T DIS- SOLVED (UG/L) (39742)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
NOV 11...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
DEC 14...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
JAN 11...	<.068	<.032	<.078	<.035	<.15	<.24	<.7	<.7	<.16	<.5	<.035	<.12
FEB 08...	<.068	<.032	<.078	<.035	<.15	<.24	<.7	<.7	<.014	<.5	<.035	<.12
MAR 08...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
22...	<.068	<.032	<.078	<.035	<.15	<.24	<.7	<.7	<.110	<.5	<.035	<.12
APR 06...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.100	--
DATE	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)
NOV 11...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
DEC 14...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
JAN 11...	<.1	<.021	<.55	<.014	<.27	<.120	<.19	E.028	E.014	<.054	.167	<.032
FEB 08...	<.1	<.021	<.55	<.014	<.27	E.015	<.19	E.048	<.044	<.054	.105	<.032
MAR 08...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
22...	<.1	<.021	<.55	<.014	<.27	E.015	<.19	E.029	<.044	<.054	E.030	<.032
APR 06...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--

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MISSISSIPPI RIVER DELTA

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	BENZENE N-BUTYL WATER UNFLTRD	BENZENE N-PROPYL WATER UNFLTRD	BENZENE O-DI- CHLORO- WATER UNFLTRD	BENZENE SEC BUTYL- WATER UNFLTRD	BENZENE TERT- BUTYL- WATER UNFLTRD	BENZENE TOTAL	BRO- MACIL, WATER, DISS, REC	BROMO- BENZENE WATER, WHOLE, TOTAL	BROMO- ETHENE WATER UNFLTRD RECOVER	BROMO- FORM TOTAL	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC
	REC	REC	REC	REC	REC		REC	TOTAL	RECOVER		REC	
	(UG/L) (77342)	(UG/L) (77224)	(UG/L) (34536)	(UG/L) (77350)	(UG/L) (77353)		(UG/L) (34030)	(UG/L) (04029)	(UG/L) (81555)		(UG/L) (50002)	(UG/L) (32104)
NOV 11...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12
DEC 14...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12
JAN 11...	<.19	<.042	<.048	<.048	<.1	E.031	<.140	<.036	<.1	<.1	<.035	<.12
FEB 08...	<.19	<.042	<.048	<.048	<.1	E.083	<.035	<.036	<.1	<.1	<.035	<.12
MAR 08...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12
22...	<.19	<.042	<.048	<.048	<.1	E.040	<.110	<.036	<.1	<.1	<.035	<.12
APR 06...	--	--	--	--	--	--	<.100	--	--	--	<.035	<.12
DATE	CARBON TETRA- CHLO- RIDE TOTAL	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC	CHLORO- BENZENE TOTAL	CHLORO- DI- BROMO- METHANE TOTAL	CHLORO- ETHANE TOTAL	CHLORO- FORM TOTAL	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL	CIS 1,3-DI- CHLORO- PROPENE TOTAL	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC	DACTHAL MONO- ACID, WAT.FLT GF 0.7U REC	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC	
	(UG/L) (32102)	(UG/L) (49307)	(UG/L) (34301)	(UG/L) (32105)	(UG/L) (34311)	(UG/L) (32106)	(UG/L) (77093)	(UG/L) (34704)	(UG/L) (49305)	(UG/L) (49304)	(UG/L) (82625)	
NOV 11...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
DEC 14...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
JAN 11...	<.088	<.42	<.028	<.18	<.12	<.052	<.038	<.09	<.23	<.017	<.21	
FEB 08...	<.088	<.42	<.028	<.18	<.12	E.019	<.038	<.09	<.23	<.017	<.21	
MAR 08...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
22...	<.088	<.42	<.028	<.18	<.12	<.052	<.038	<.09	<.68	<.017	<.21	
APR 06...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER	DICAMBA WATER, FLTRD, GF 0.7U REC	DICHLO- BENIL, WATER, FLTRD, GF 0.7U REC	BROMO- DI- CHLORO- METHANE TOTAL	DI- CHLORO- DI- FLUORO- METHANE TOTAL	DICHLOR PROP. WATER, FLTRD, GF 0.7U REC	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER	DINOSEB WATER, FLTRD, GF 0.7U REC	DIURON, WATER, FLTRD, GF 0.7U REC	DNOC WAT.FLT GF 0.7U REC	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC	
	(UG/L) (30217)	(UG/L) (38442)	(UG/L) (49303)	(UG/L) (32101)	(UG/L) (34668)	(UG/L) (49302)	(UG/L) (81577)	(UG/L) (49301)	(UG/L) (49300)	(UG/L) (49299)	(UG/L) (77562)	
NOV 11...	--	<.035	<1.2	--	--	<.032	--	<.035	E.02	<.42	--	
DEC 14...	--	<.035	<1.2	--	--	<.032	--	<.035	.05	<.42	--	
JAN 11...	<.05	<.035	<1.2	<.048	<.14	<.032	<.098	<.035	.08	<.42	<.044	
FEB 08...	<.05	<.035	<1.2	<.048	<.14	<.032	<.098	<.035	<.02	<.42	<.044	
MAR 08...	--	<.035	<1.2	--	--	<.032	--	<.035	<.02	<.42	--	
22...	<.05	<.035	<1.2	<.048	<.14	<.032	<.098	<.035	.06	<.42	<.044	
APR 06...	--	<.035	<1.2	--	--	<.032	--	<.035	.25	<.42	--	

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MISSISSIPPI RIVER DELTA

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	ETHANE, 1,1,2,2- TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	BENZENE TOTAL (UG/L) (34371)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)
NOV 11...	--	--	--	--	--	--	<.013	<.035	--	--	--
DEC 14...	--	--	--	--	--	--	<.013	<.035	--	--	--
JAN 11...	<.13	<.36	<.17	<.054	<.110	E.012	<.013	<.035	<.032	<9	<.14
FEB 08...	<.13	<.36	<.17	<.054	E.036	E.030	<.013	<.035	<.032	<9	<.14
MAR 08...	--	--	--	--	--	--	<.013	<.035	--	--	--
22...	<.13	<.36	<.17	<.054	E.015	E.013	<.013	<.035	<.032	<9	<.14
APR 06...	--	--	--	--	--	--	<.013	<.035	--	--	--
DATE	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL ACRYL- ATE WATER UNFLTRD RECOVER (UG/L) (49991)
NOV 11...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
DEC 14...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.320	--
JAN 11...	<.2	<.018	<.17	<.14	<.28	<.35	<.57	<.044	<.026	<.017	<.14
FEB 08...	<.2	<.018	<.17	<.14	<.28	<.35	<.57	<.044	<.026	<.017	<.14
MAR 08...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
22...	<.2	<.018	<.17	<.14	<.28	<.35	<.57	<.044	<.026	<.100	<.14
APR 06...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.460	--
DATE	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)
NOV 11...	--	--	--	--	--	--	--	--	--	<.015	<.024
DEC 14...	--	--	--	--	--	--	--	--	--	<.030	<.024
JAN 11...	<.21	<.17	<.15	<.25	<.38	<.16	<.37	E.059	<.25	<.015	<.024
FEB 08...	<.21	<.17	<.15	<.25	<.38	<.16	<.37	E.116	<.25	<.015	<.024
MAR 08...	--	--	--	--	--	--	--	--	--	<.015	<.024
22...	<.21	<.17	<.15	<.25	<.38	<.16	<.37	E.061	<.25	<.015	<.024
APR 06...	--	--	--	--	--	--	--	--	--	<.015	<.024

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

E Estimated.

MISSISSIPPI RIVER DELTA
073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	1,3-DI-CHLORO-PROPANE WAT. WH (UG/L) (77173)	PROPENE 3-CHLORO-WATER UNFLTRD RECOVER (UG/L) (78109)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS-SOLVED (UG/L) (39762)
NOV 11...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
DEC 14...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
JAN 11...	<.042	<.31	<.018	E.029	<.05	<.11	<.12	<.2	<.035	<.035	<.021
FEB 08...	<.042	<.31	<.018	E.056	<.05	<.11	<.12	<.2	<.035	<.035	<.021
MAR 08...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
22...	<.042	<.31	<.018	E.036	<.05	<.11	<.12	<.2	<.035	<.035	<.021
APR 06...	--	<.31	<.280	--	<.05	--	--	--	<.45	<.035	<.021
DATE	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	TOLUENE TOTAL (UG/L) (34010)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS-SOLVED (UG/L ASU) (22703)
NOV 11...	--	--	--	--	--	--	--	--	<.25	--	--
DEC 14...	--	--	--	--	--	--	--	--	<.25	--	--
JAN 11...	<.042	<.1	<.1	<.056	E.053	<.13	<.038	<.09	<.25	<.11	<.1
FEB 08...	<.042	<.1	E.015	<.056	.176	<.13	E.017	<.09	<.25	<.11	--
MAR 08...	--	--	--	--	--	--	--	--	<.25	--	--
22...	<.042	<.1	<.1	<.056	E.086	<.13	<.038	<.09	<.25	<.11	--
APR 06...	--	--	--	--	--	--	--	--	<.25	--	--
DATE	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7U GF, REC (UG/L) (82673)		
NOV 11...	--	5.8	3.5	<.003	<.002	<.002	<.002	.283	<.002		
DEC 14...	--	5.8	>3.3	<.003	<.002	<.002	<.002	.342	<.002		
JAN 11...	<.37	6.7	1.6	<.003	E.003	<.002	<.002	.300	<.002		
FEB 08...	<.37	4.9	1.1	<.003	E.004	<.002	<.002	.046	<.002		
MAR 08...	--	6.6	1.3	<.003	<.002	<.002	<.002	.355	<.002		
22...	E.021	8.4	1.6	<.003	<.002	<.002	<.002	.678	<.002		
APR 06...	--	7.0	2.6	<.003	.005	.007	<.002	1.10	<.002		
19...	--	8.3	.2	<.003	<.002	<.002	<.002	1.40	<.002		
MAY 12...	--	4.7	.9	<.003	.116	.013	<.002	1.18	<.002		
26...	--	6.6	3.8	<.003	.022	<.002	<.002	.940	<.002		
JUN 07...	--	6.9	3.7	<.003	<.002	<.002	<.002	.822	<.002		
22...	--	6.9	3	<.003	<.002	<.002	<.002	.798	<.002		
JUL 06...	--	7.1	3.2	<.003	.025	<.002	<.002	.702	<.002		
22...	--	--	--	--	--	--	--	--	--		
AUG 04...	--	7.1	1.8	<.003	<.002	<.002	<.002	.491	<.002		
09...	--	5.3	1.8	<.003	.017	.011	<.002	.588	<.002		
31...	--	5.6	1.9	<.003	<.004	E.004	<.002	.354	<.002		

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

MISSISSIPPI RIVER DELTA
073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL, WATER, FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
NOV 11...	<.002	<.008	<.003	<.003	<.48	<.004	.020	<.002	E.038	<.002	<.001
DEC 14...	<.002	<.008	<.003	<.003	<.48	<.004	.014	<.002	E.043	<.002	<.001
JAN 11...	<.002	<.008	<.003	<.003	<.48	<.004	.007	<.002	E.033	E.001	<.001
FEB 08...	<.002	<.008	<.003	<.003	<.48	<.004	.007	<.002	E.008	<.002	<.001
MAR 08...	<.002	<.008	<.003	<.003	<.48	<.004	.007	<.002	E.027	<.002	<.001
22...	<.002	<.008	<.003	<.003	<.48	<.004	.005	<.002	E.031	E.004	<.001
APR 06...	<.002	<.008	<.003	<.003	<.48	<.004	.013	<.002	E.061	.010	<.001
19...	<.002	--	<.003	<.003	--	<.004	.006	<.002	E.063	<.002	<.001
MAY 12...	<.002	--	<.003	E.036	--	<.004	.053	<.002	E.056	.005	<.001
26...	<.002	--	<.003	<.003	--	<.004	.021	<.002	E.036	<.002	<.001
JUN 07...	<.002	--	<.003	<.003	--	<.004	<.004	<.002	E.043	<.002	<.001
22...	<.002	--	<.003	<.003	--	<.004	.025	<.002	E.038	<.002	<.001
JUL 06...	<.002	--	<.003	<.003	--	<.004	.019	<.002	E.086	<.002	<.001
AUG 04...	<.002	--	<.003	<.003	--	<.004	.051	<.002	E.119	<.002	<.001
09...	<.002	--	<.003	<.003	--	<.004	.057	<.002	E.105	<.002	<.001
31...	<.002	--	<.003	<.003	--	<.004	.033	<.002	E.083	<.002	<.001
DATE	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)
NOV 11...	<.017	<.010	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.034
DEC 14...	<.017	.004	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.027
JAN 11...	<.017	E.004	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.022
FEB 08...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.018
MAR 08...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.016
22...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.011
APR 06...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.022
19...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.010
MAY 12...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.335
26...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.107
JUN 07...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.054
22...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.055
JUL 06...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.078
AUG 04...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.075
09...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.156
31...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.080

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

E Estimated.

MISSISSIPPI RIVER DELTA

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
NOV 11...	.016	<.004	<.003	E.001	<.004	<.004	<.004	<.005	<.002	E.006	<.003
DEC 14...	.008	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.004	<.003
JAN 11...	.023	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.003	<.003
FEB 08...	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.002	<.003
MAR 08...	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.002	<.003
22...	E.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.003	<.003
APR 06...	.020	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
19...	.020	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.002	<.003
MAY 12...	.013	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.006	<.003
26...	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.003	<.003
JUN 07...	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.005	<.003
22...	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUL 06...	<.015	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.011	<.003
AUG 04...	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.007	<.003
09...	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.008	<.003
31...	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.007	<.003
DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	
NOV 11...	<.007	<.004	<.013	.010	E.008	E.029	<.013	<.002	<.001	<.002	
DEC 14...	<.007	<.004	<.013	.010	E.005	E.032	<.013	<.002	<.001	<.002	
JAN 11...	<.007	<.004	<.013	.013	E.004	E.044	<.013	<.002	<.001	<.002	
FEB 08...	<.007	<.004	<.013	.019	E.005	<.007	<.013	<.002	<.001	<.002	
MAR 08...	<.007	<.004	<.013	.013	E.009	E.030	<.013	<.002	<.001	<.002	
22...	<.007	<.004	<.013	.010	E.004	E.037	<.013	<.002	<.001	<.002	
APR 06...	<.007	<.004	<.013	.018	.011	E.083	<.013	<.002	<.001	<.002	
19...	<.007	<.004	<.013	.016	E.009	E.071	<.013	<.002	<.001	<.002	
MAY 12...	<.007	<.004	<.013	.057	.013	<.007	<.013	<.002	<.001	E.002	
26...	<.007	<.004	<.013	.040	E.007	<.007	<.013	<.002	<.001	<.002	
JUN 07...	<.007	<.004	<.013	.037	E.011	<.007	<.013	<.002	<.001	<.002	
22...	<.007	<.004	<.013	.036	<.010	<.007	<.013	<.002	<.001	<.002	
JUL 06...	<.007	<.004	<.040	.031	<.077	<.007	<.013	<.002	<.001	<.002	
AUG 04...	<.007	<.004	--	.021	E.023	E.0107	<.013	<.002	<.001	<.002	
09...	<.007	<.004	<.300	.022	.015	<.007	<.013	<.002	<.001	<.002	
31...	<.007	<.004	<.040	.015	.011	<.007	<.013	<.002	<.001	<.002	

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

E Estimated.

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi above mouth, 5.5 mi west of Old River Control Structure, and 5.6 mi west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to current year.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 02600.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons Apr. 6, 1978; minimum daily 0.0 tons Nov. 18-30, 1987.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38000	19000	100000	163000	125000	109000	241000	102000	57000	169000	69000	54000
2	33000	34000	101000	164000	148000	111000	251000	85000	63000	182000	71000	51000
3	31000	37000	114000	150000	166000	109000	259000	86000	77000	177000	69000	46000
4	35000	34000	131000	136000	213000	115000	261000	90000	100000	168000	68000	45000
5	41000	39000	142000	133000	243000	144000	255000	89000	122000	177000	66000	43000
6	43000	50000	138000	129000	274000	159000	241000	86000	135000	186000	65000	41000
7	48000	56000	139000	120000	302000	158000	227000	82000	163000	195000	64000	40000
8	63000	51000	141000	114000	347000	174000	223000	77000	191000	199000	64000	39000
9	77000	48000	147000	113000	340000	206000	215000	79000	223000	198000	61000	36000
10	76000	46000	171000	107000	339000	258000	196000	80000	253000	192000	57000	32000
11	75000	49000	170000	96000	275000	290000	173000	79000	260000	186000	48000	33000
12	72000	53000	172000	93000	277000	313000	164000	82000	250000	190000	40000	32000
13	69000	52000	180000	91000	314000	303000	167000	104000	253000	196000	44000	33000
14	65000	57000	186000	92000	261000	293000	159000	113000	263000	204000	41000	32000
15	61000	63000	186000	89000	222000	307000	154000	106000	232000	186000	40000	31000
16	53000	83000	185000	87000	224000	335000	144000	105000	252000	156000	43000	29000
17	49000	90000	185000	82000	224000	352000	138000	104000	260000	143000	41000	31000
18	43000	97000	178000	80000	226000	381000	129000	103000	247000	137000	41000	28000
19	39000	103000	164000	78000	206000	379000	125000	102000	239000	127000	43000	26000
20	36000	109000	155000	78000	180000	374000	122000	94000	232000	127000	42000	27000
21	33000	114000	146000	76000	173000	365000	116000	89000	218000	120000	43000	27000
22	27000	121000	147000	71000	174000	361000	114000	91000	211000	109000	42000	27000
23	27000	117000	143000	65000	164000	346000	120000	84000	202000	100000	44000	26000
24	21000	115000	143000	62000	164000	330000	117000	78000	206000	90000	45000	25000
25	23000	116000	161000	57000	153000	318000	112000	74000	199000	86000	45000	22000
26	20000	98000	162000	60000	111000	322000	118000	59000	195000	84000	49000	20000
27	17000	91000	150000	63000	101000	334000	123000	59000	185000	82000	54000	24000
28	16000	95000	167000	65000	99000	323000	128000	54000	185000	79000	60000	23000
29	5000	97000	166000	90000	---	301000	127000	55000	176000	74000	59000	24000
30	5000	98000	164000	99000	---	269000	125000	52000	172000	77000	56000	30000
31	12000	---	150000	111000	---	247000	---	54000	---	72000	56000	---
MEAN	40400	68100	154000	97200	216000	271000	168000	83800	194000	144000	52600	32600
MAX	77000	121000	186000	164000	347000	381000	261000	113000	263000	204000	71000	54000
MIN	5000	1000	100000	57000	99000	109000	112000	52000	57000	72000	40000	20000

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA-Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	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)
NOV 04...	1100	73000	133	26200	98
DEC 09...	1100	77000	122	25300	100
JAN 13...	1330	56000	273	41000	100
FEB 05...	0930	82000	170	38000	100
24...	0900	181000	318	155000	86
MAR 17...	1200	171000	212	98000	92
APR 07...	0900	254000	223	153000	82
MAY 19...	1100	413000	192	214000	49
JUN 24...	1200	268000	304	220000	85
AUG 18...	1100	1550000	251	105000	91

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA-Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36000	23000	39000	23000	69000	152000	144000	197000	140000	243000	111000	83000
2	36000	23000	32000	24000	55000	149000	159000	209000	133000	241000	108000	85000
3	36000	23000	33000	37000	47000	139000	169000	209000	132000	244000	106000	82000
4	36000	26000	34000	40000	41000	127000	176000	208000	135000	244000	108000	87000
5	37000	31000	31000	41000	37000	122000	176000	211000	133000	243000	108000	85000
6	37000	34000	29000	49000	32000	120000	170000	217000	113000	244000	112000	85000
7	33000	39000	28000	57000	33000	132000	153000	227000	127000	247000	118000	84000
8	33000	46000	26000	41000	34000	130000	176000	228000	128000	244000	124000	85000
9	33000	52000	25000	27000	42000	127000	177000	225000	121000	247000	124000	81000
10	31000	59000	24000	24000	48000	119000	169000	226000	111000	229000	123000	75000
11	31000	59000	23000	25000	49000	112000	164000	224000	103000	227000	112000	78000
12	30000	70000	25000	28000	50000	106000	162000	228000	103000	228000	107000	75000
13	29000	88000	30000	42000	51000	109000	162000	235000	124000	229000	106000	73000
14	30000	97000	31000	63000	53000	110000	174000	233000	128000	235000	106000	55000
15	25000	103000	33000	94000	61000	108000	176000	231000	134000	234000	104000	33000
16	30000	117000	41000	123000	62000	106000	176000	226000	143000	228000	104000	31000
17	39000	130000	43000	148000	65000	99000	170000	223000	157000	227000	104000	46000
18	34000	136000	42000	154000	86000	100000	177000	220000	164000	214000	105000	44000
19	33000	129000	42000	176000	106000	100000	176000	214000	171000	214000	106000	55000
20	32000	111000	50000	171000	112000	105000	176000	214000	179000	210000	106000	55000
21	28000	107000	51000	167000	137000	112000	179000	218000	184000	195000	110000	55000
22	23000	99000	49000	174000	139000	112000	186000	218000	191000	185000	103000	29000
23	23000	90000	34000	192000	142000	112000	185000	220000	208000	175000	101000	42000
24	25000	83000	29000	194000	155000	111000	183000	224000	220000	171000	100000	63000
25	18000	78000	21000	185000	152000	118000	194000	226000	230000	160000	91000	71000
26	18000	77000	24000	180000	157000	126000	192000	226000	251000	155000	91000	92000
27	20000	74000	15000	157000	158000	126000	192000	208000	246000	142000	90000	97000
28	21000	67000	---	132000	155000	126000	192000	190000	250000	134000	92000	100000
29	23000	61000	---	109000	---	126000	191000	184000	249000	125000	85000	114000
30	23000	47000	8000	90000	---	126000	190000	174000	242000	119000	85000	127000
31	24000	---	13000	81000	---	133000	---	160000	---	118000	85000	---
MEAN	29300	72600	29400	98300	83100	119000	176000	215000	165000	205000	104000	72200
MAX	39000	136000	51000	194000	158000	152000	194000	235000	251000	247000	124000	127000
MIN	18000	23000	2000	23000	32000	99000	144000	160000	103000	118000	85000	29000

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA-Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	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)
NOV 17...	1200	136000	354	130000	97
DEC 08...	0800	106000	324	93000	61
22...	1030	83000	461	103000	99
JAN 13...	1200	70000	543	103000	100
26...	1030	169000	599	273000	94
FEB 09...	1200	259000	227	159000	88
23...	1000	317000	293	251000	55
MAR 09...	1030	177000	203	97000	93
30...	1030	2840000	181	1390000	73
APR 14...	1200	120000	171	55500	100
21...	1100	160000	185	79800	74
MAY 19...	1400	328000	263	233000	83
25...	1200	293000	247	195000	85
JUL 07...	1130	204000	312	172000	95
27...	1115	160000	271	117000	92
AUG 10...	0930	126000	189	64300	94
SEP 21...	1100	50700	93	13000	97

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56000	132000	110000	142000	247000	151000	124000	157000	189000	130000	83000	26000
2	54000	129000	103000	131000	213000	136000	117000	161000	189000	142000	79000	27000
3	57000	105000	102000	104000	202000	122000	101000	165000	194000	147000	73000	27000
4	56000	104000	101000	47000	195000	111000	84000	181000	192000	147000	73000	28000
5	54000	96000	105000	54000	193000	95000	73000	187000	193000	147000	73000	28000
6	46000	100000	104000	72000	193000	91000	66000	187000	194000	149000	68000	26000
7	41000	104000	102000	73000	180000	96000	53000	197000	191000	172000	70000	23000
8	42000	105000	92000	65000	167000	103000	44000	207000	184000	187000	70000	25000
9	51000	106000	81000	57000	159000	97000	47000	211000	183000	191000	69000	24000
10	48000	96000	82000	58000	160000	93000	49000	215000	179000	189000	64000	22000
11	50000	107000	73000	59000	170000	104000	50000	227000	174000	186000	58000	22000
12	44000	110000	59000	77000	195000	114000	51000	241000	193000	186000	62000	22000
13	54000	147000	19000	103000	215000	120000	52000	243000	194000	181000	58000	21000
14	57000	169000	11000	117000	221000	131000	55000	246000	193000	176000	53000	19000
15	75000	163000	24000	103000	235000	136000	58000	255000	205000	172000	52000	18000
16	98000	160000	38000	103000	244000	139000	59000	256000	211000	176000	51000	17000
17	124000	130000	56000	119000	250000	137000	61000	255000	213000	171000	53000	15000
18	130000	132000	73000	161000	257000	145000	61000	238000	211000	165000	50000	15000
19	132000	143000	119000	217000	261000	157000	61000	233000	203000	158000	47000	14000
20	132000	161000	122000	256000	251000	166000	71000	232000	200000	145000	46000	14000
21	126000	172000	110000	282000	257000	165000	80000	231000	197000	139000	44000	13000
22	112000	170000	106000	270000	264000	163000	80000	218000	178000	140000	43000	11000
23	99000	166000	112000	276000	251000	165000	83000	208000	163000	139000	42000	12000
24	95000	162000	122000	262000	237000	166000	96000	204000	163000	130000	40000	14000
25	90000	148000	129000	276000	216000	163000	100000	195000	151000	127000	36000	13000
26	88000	144000	119000	273000	190000	160000	101000	197000	143000	123000	36000	13000
27	89000	139000	99000	302000	177000	154000	123000	201000	144000	117000	35000	13000
28	94000	133000	100000	323000	164000	152000	141000	195000	144000	108000	32000	12000
29	109000	128000	98000	318000	---	147000	146000	184000	124000	101000	31000	12000
30	125000	124000	100000	306000	---	139000	146000	185000	118000	98000	29000	11000
31	133000	---	119000	266000	---	133000	---	187000	---	87000	29000	---
MEAN	82600	133000	90000	170000	213000	134000	94300	210000	180000	186000	53200	18600
MAX	133000	172000	129000	323000	264000	166000	440000	256000	213000	1270000	83000	28000
MIN	41000	96000	11000	47000	159000	91000	47000	157000	118000	87000	29000	11000

MISSISSIPPI RIVER DELTA
07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA
WATER-QUALITY RECORDS

LOCATION.--Lat 30°58'57", long 91°47'54" in NE 1/4 SW 1/4 sec. 7, T. 1 S., R. 7 E., Louisiana meridian, Avoyelles Parish, Hydrologic Unit 08080101, near right bank on downstream side of Kansas City Southern Railway Co. bridge, 0.4 mi east of town of Simmesport, 0.5 mi upstream from State Highway 1, and 4.9 mi downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--Approximately 87,570 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1978 to September 1979, discontinued.

WATER TEMPERATURES: December 1975 to September 1976, October 1977 to September 1984, May 1990 to August 1992, discontinued.

CHLORIDE: October 1974 to September 1984, May 1990 to August 1992, discontinued.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 03045.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 627 micromhos Nov. 17, 1978; minimum daily, 179 micromhos Feb. 21, 1979.

WATER TEMPERATURES: Maximum daily, 32.0 °C July 23, 1981; minimum daily, 2.0 °C Jan. 18-20, Feb. 3, 6, 7, 1978, Jan. 15, 1979, Jan. 14, 1982.

CHLORIDE: Maximum daily, 150 mg/L June 9, 13, 14, 1977; minimum daily, 9.1 mg/L May 14, 1991.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,240,000 tons Dec. 15, 1982; minimum daily, 2,000 tons Oct. 3-5, 1976.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63000	53000	423000	251000	320000	560000	325000	259000	161000	178000	65000	64000
2	66000	60000	451000	240000	324000	519000	322000	261000	168000	182000	66000	60000
3	70000	67000	496000	228000	319000	484000	322000	279000	175000	182000	65000	49000
4	73000	70000	541000	213000	331000	460000	319000	297000	191000	174000	64000	45000
5	76000	75000	550000	205000	340000	463000	314000	316000	200000	174000	64000	42000
6	75000	84000	525000	198000	341000	448000	307000	330000	197000	173000	61000	38000
7	77000	92000	500000	189000	342000	453000	300000	348000	202000	175000	62000	36000
8	85000	95000	465000	181000	369000	437000	293000	331000	206000	178000	60000	32000
9	98000	97000	443000	178000	365000	435000	288000	324000	206000	178000	61000	31000
10	93000	95000	465000	176000	354000	437000	275000	308000	208000	173000	66000	26000
11	88000	101000	440000	171000	300000	428000	257000	294000	215000	161000	63000	26000
12	81000	120000	418000	166000	285000	442000	246000	282000	212000	155000	48000	25000
13	73000	135000	405000	159000	325000	440000	244000	292000	211000	153000	52000	24000
14	68000	143000	393000	153000	351000	433000	235000	294000	209000	152000	54000	25000
15	64000	149000	373000	148000	365000	436000	227000	278000	197000	141000	48000	24000
16	55000	162000	354000	143000	391000	444000	216000	268000	199000	128000	47000	22000
17	48000	178000	346000	146000	420000	449000	208000	254000	201000	116000	50000	24000
18	45000	195000	333000	152000	455000	459000	199000	241000	198000	107000	49000	25000
19	37000	214000	319000	159000	481000	452000	189000	234000	196000	105000	50000	26000
20	33000	225000	308000	160000	489000	447000	181000	220000	195000	98000	51000	24000
21	32000	242000	300000	162000	514000	434000	172000	204000	193000	94000	55000	25000
22	28000	262000	297000	166000	535000	424000	164000	205000	191000	90000	53000	27000
23	29000	271000	290000	159000	539000	408000	161000	199000	186000	84000	59000	25000
24	27000	282000	277000	160000	557000	393000	167000	188000	189000	79000	60000	26000
25	32000	290000	289000	163000	635000	372000	170000	181000	188000	74000	63000	28000
26	40000	278000	281000	184000	659000	357000	182000	175000	188000	75000	64000	23000
27	55000	272000	260000	206000	610000	348000	198000	167000	186000	72000	73000	22000
28	59000	292000	273000	227000	573000	348000	220000	156000	188000	71000	80000	26000
29	50000	326000	270000	292000	---	346000	234000	157000	184000	63000	79000	27000
30	46000	382000	264000	330000	---	337000	252000	157000	181000	69000	76000	32000
31	51000	---	240000	326000	---	330000	---	158000	---	69000	68000	---
MEAN	58600	177000	374000	193000	425000	414000	240000	247000	194000	127000	60500	31000
MAX	98000	382000	550000	330000	659000	560000	325000	348000	215000	182000	80000	64000
MIN	27000	53000	240000	143000	285000	8000	161000	156000	161000	63000	47000	22000

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

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

DATE	TIME	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)
JAN					
07...	1130	223000	412	248000	64
28...	1100	422000	524	597000	53
FEB					
04...	1030	306000	533	440000	53
MAR					
03...	1000	359000	439	425000	46
18...	1100	348000	364	342000	55
APR					
01...	1100	39700	480	51400	59
14...	1100	38000	480	49200	66
MAY					
05...	1100	408000	354	390000	51
13...	1100	436000	265	312000	53
27...	0930	407000	222	243000	51
JUN					
11...	1100	208000	255	143000	86
30...	1130	322000	516	449000	87
JUL					
13...	1130	311000	342	287000	84
22...	0900	274000	345	255000	81
28...	1300	215000	325	188000	93
AUG					
05...	1430	188000	231	117000	90
12...	1100	188000	237	121000	89
19...	1100	182000	206	101000	90
26...	1000	148000	230	92000	91
SEP					
09...	1000	99000	165	44000	97
15...	1200	101000	185	50000	100
24...	1000	76000	132	27000	98

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33000	69000	40000	153000	490000	479000	513000	373000	177000	429000	134000	62000
2	33000	74000	36000	150000	463000	456000	536000	397000	170000	430000	123000	60000
3	34000	79000	37000	162000	449000	425000	545000	395000	172000	421000	113000	52000
4	36000	95000	40000	167000	440000	384000	557000	391000	174000	408000	115000	52000
5	37000	32000	41000	184000	399000	378000	559000	390000	173000	395000	117000	52000
6	37000	32000	39000	209000	367000	364000	549000	379000	166000	378000	119000	45000
7	33000	30000	37000	268000	355000	373000	537000	381000	166000	374000	124000	44000
8	33000	30000	37000	306000	335000	378000	544000	372000	158000	362000	140000	45000
9	34000	34000	46000	309000	346000	381000	550000	358000	156000	345000	146000	44000
10	33000	38000	50000	311000	358000	373000	536000	342000	150000	316000	140000	39000
11	31000	33000	47000	321000	359000	358000	515000	326000	143000	311000	129000	42000
12	33000	31000	49000	330000	377000	343000	501000	321000	137000	293000	120000	54000
13	33000	34000	56000	354000	389000	341000	479000	312000	158000	287000	110000	72000
14	36000	34000	59000	387000	472000	342000	492000	315000	164000	301000	117000	66000
15	28000	33000	57000	480000	527000	340000	475000	318000	175000	312000	110000	50000
16	27000	32000	61000	571000	579000	336000	466000	319000	180000	306000	111000	37000
17	38000	28000	63000	618000	628000	328000	435000	319000	203000	303000	110000	43000
18	39000	30000	59000	631000	708000	342000	441000	316000	211000	292000	103000	36000
19	42000	34000	54000	664000	723000	356000	430000	313000	222000	287000	101000	41000
20	37000	33000	58000	667000	687000	373000	411000	310000	240000	283000	102000	44000
21	38000	35000	56000	656000	706000	403000	395000	310000	254000	265000	107000	46000
22	29000	34000	75000	662000	667000	417000	393000	291000	261000	255000	106000	27000
23	31000	35000	71000	701000	636000	425000	385000	279000	288000	234000	104000	24000
24	44000	34000	84000	709000	619000	428000	373000	273000	308000	232000	104000	27000
25	53000	32000	114000	702000	858000	436000	372000	263000	327000	224000	97000	30000
26	58000	33000	134000	685000	560000	462000	367000	260000	375000	223000	92000	50000
27	63000	38000	142000	646000	537000	473000	359000	243000	390000	202000	87000	57000
28	64000	36000	130000	597000	504000	478000	365000	227000	410000	188000	86000	60000
29	72000	42000	128000	577000	---	485000	373000	215000	429000	160000	78000	77000
30	67000	44000	146000	546000	---	487000	373000	196000	448000	151000	69000	83000
31	75000	---	144000	503000	---	499000	---	191000	---	143000	65000	---
MEAN	41300	39900	70600	459000	519000	500000	461000	415000	233000	294000	109000	48700
MAX	75000	95000	146000	709000	858000	3410000	559000	3530000	448000	430000	146000	83000
MIN	27000	28000	36000	150000	335000	328000	359000	191000	137000	143000	65000	24000

MISSISSIPPI RIVER DELTA
 07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	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					
04...	1030	140000	253	96000	98
18...	1130	213000	360	207000	86
DEC					
02...	1100	128000	193	68000	95
15...	1100	200000	506	273000	77
JAN					
06...	1000	204000	423	233000	74
20...	1200	243000	411	269000	73
FEB					
03...	1030	432000	477	557000	66
03...	1031	432000	495	577000	63
17...	1130	509000	265	364000	52
17...	1131	509000	272	374000	51
MAR					
11...	1100	269000	230	167000	74
11...	1101	269000	237	172000	73
23...	1130	4090000	322	3550000	51
23...	1131	4090000	324	3580000	51
APR					
14...	1400	280000	239	181000	75
21...	0930	273000	172	126000	86
MAY					
11...	1130	386000	347	362000	78
11...	1131	386000	355	370000	77
26...	1000	301000	224	182000	84
JUN					
09...	0930	270000	369	269000	91
JUL					
13...	1000	256000	369	255000	91

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40000	116000	74000	238000	535000	238000	292000	212000	199000	217000	94000	71000
2	36000	114000	67000	231000	539000	223000	277000	223000	202000	224000	91000	78000
3	41000	103000	71000	239000	556000	208000	252000	234000	218000	226000	82000	90000
4	38000	95000	76000	224000	546000	198000	224000	257000	222000	228000	79000	97000
5	41000	90000	85000	223000	540000	177000	218000	277000	233000	226000	82000	104000
6	36000	84000	93000	233000	532000	166000	215000	285000	239000	220000	74000	120000
7	36000	92000	102000	236000	513000	165000	207000	304000	250000	228000	75000	95000
8	36000	98000	112000	228000	492000	166000	191000	320000	259000	239000	77000	110000
9	44000	108000	112000	230000	517000	163000	192000	330000	268000	245000	75000	117000
10	52000	105000	126000	222000	491000	163000	196000	341000	268000	250000	73000	95000
11	61000	113000	142000	218000	466000	167000	197000	361000	264000	249000	64000	95000
12	64000	119000	187000	220000	455000	179000	191000	356000	276000	254000	67000	99000
13	72000	139000	229000	225000	441000	194000	185000	348000	276000	254000	64000	83000
14	76000	175000	238000	231000	420000	227000	181000	337000	276000	243000	62000	76000
15	85000	204000	273000	221000	406000	243000	171000	327000	280000	233000	58000	73000
16	94000	224000	283000	214000	383000	262000	160000	322000	281000	226000	54000	64000
17	113000	208000	295000	216000	363000	277000	151000	317000	277000	215000	57000	65000
18	122000	207000	298000	229000	363000	292000	142000	299000	266000	209000	60000	68000
19	123000	196000	327000	255000	361000	312000	131000	286000	261000	199000	59000	61000
20	125000	194000	333000	269000	347000	331000	127000	275000	252000	183000	60000	66000
21	123000	194000	314000	286000	345000	338000	126000	262000	245000	169000	63000	62000
22	115000	182000	293000	285000	341000	346000	130000	247000	229000	163000	68000	53000
23	102000	168000	281000	305000	322000	355000	136000	228000	213000	158000	69000	49000
24	102000	157000	276000	317000	307000	354000	147000	213000	211000	148000	72000	50000
25	93000	136000	276000	330000	290000	351000	153000	194000	204000	142000	68000	47000
26	88000	123000	275000	327000	266000	348000	152000	182000	201000	134000	75000	50000
27	90000	111000	258000	348000	258000	343000	165000	188000	213000	132000	75000	46000
28	91000	103000	250000	384000	247000	337000	182000	192000	226000	121000	66000	43000
29	97000	93000	250000	414000	---	330000	193000	177000	218000	114000	72000	43000
30	106000	7000	241000	471000	---	318000	199000	181000	213000	109000	70000	34000
31	114000	---	240000	506000	---	308000	---	189000	---	103000	74000	---
MEAN	79200	198000	219000	277000	416000	261000	179000	267000	241000	196000	70300	73500
MAX	125000	2080000	402000	506000	556000	355000	292000	361000	281000	254000	94000	120000
MIN	36000	7000	67000	214000	247000	163000	97000	177000	199000	103000	54000	34000

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.--Indeterminate.

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 been 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 1998 TO SEPTEMBER 1999

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)	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...	1130	191000	388	7.92	15.0	5	70	10.0	2.8	K1400
DEC 09...	0945	129000	423	8.05	15.5	5	33	9.7	1.3	850
JAN 11...	1130	192000	176	7.45	7.5	80	80	10.3	1.1	920
FEB 11...	1130	438000	230	7.54	13.0	50	74	8.7	1.5	270
MAR 16...	1045	336000	316	7.95	10.3	30	62	9.5	1.5	200
29...	1215	422000	284	7.99	11.5	30	39	9.2	1.9	140
APR 16...	1330	317000	228	7.77	20.5	60	54	9.3	1.8	K110
27...	1230	270000	359	7.70	19.0	20	75	7.2	.4	140
MAY 07...	1100	359000	436	7.97	19.5	20	90	8.1	1.4	K150
25...	1200	303000	378	7.90	23.5	5	37	7.0	.8	115
JUN 11...	1100	253000	451	8.00	26.5	5	120	6.8	.6	210
28...	1030	221000	508	8.12	27.5	10	140	6.6	.4	K280
JUL 22...	1030	194000	436	7.91	29.5	5	50	6.0	--	K64
AUG 05...	1030	143000	469	8.20	32.5	5	26	6.4	--	--
SEP 13...	1100	80300	560	7.58	28.7	5	8.1	7.4	--	K40

< 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 1998 TO SEPTEMBER 1999

DATE	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)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV 17...	K820	780	130	33	10	26	3.8	98	43	28	.1
DEC 09...	K52	80	150	40	12	26	3.8	117	48	26	.2
JAN 11...	640	--	55	15	4.4	12	2.3	41	20	12	<.1
FEB 11...	160	120	74	20	5.7	13	2.4	55	25	16	<.1
MAR 16...	100	K50	110	31	9.1	17	2.5	84	35	18	<.1
29...	K58	K13	110	29	8.2	15	2.2	75	32	19	.1
APR 16...	K48	K10	81	21	6.7	14	2.4	58	24	15	<.1
27...	75	170	130	34	11	20	2.8	92	45	22	.1
MAY 07...	K54	--	160	42	13	26	3.0	98	53	32	.1
25...	K48	K32	130	36	11	--	2.5	103	43	21	.1
JUN 11...	K52	K17	170	44	14	--	3.3	119	52	28	.2
28...	160	120	170	45	15	31	3.6	119	61	38	.2
JUL 22...	K24	K31	150	41	13	22	3.7	114	48	25	.2
AUG 05...	110	K45	180	46	15	22	3.3	136	60	23	.2
SEP 13...	K15	K13	200	49	18	37	3.8	140	77	37	.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-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 17...	8.0	233	210	.01	1.1	.02	.4	.3	.14	.08	.085
DEC 09...	8.8	271	242	<.01	1.2	<.02	.3	.3	.08	.08	.089
JAN 11...	6.9	118	98	.01	.33	.06	.8	.4	.25	E.05	.034
FEB 11...	5.6	146	125	.01	1.0	.02	.5	.3	.23	.051	.043
MAR 16...	6.4	192	173	.02	1.1	.03	.8	.3	.30	.053	.049
29...	5.8	172	161	.01	1.1	.03	.6	.3	.16	.045	.041
APR 16...	5.1	144	126	.02	.67	.07	.7	.3	.17	.046	.040
27...	5.7	218	200	<.01	1.3	.03	.8	.3	.25	.057	.053
MAY 07...	6.5	265	243	<.01	2.1	.03	.9	.3	.30	.064	.058
25...	6.0	227	205	<.01	1.8	<.02	.7	.3	.20	.069	.063
JUN 11...	7.5	284	252	<.01	2.2	<.02	.7	.2	.26	.077	.075
28...	7.8	297	284	.02	2.4	.05	.8	.4	.33	.12	.11
JUL 22...	7.8	255	236	<.01	2.0	<.02	.7	.3	.25	.11	.088
AUG 05...	7.3	289	265	<.01	1.7	<.02	.6	.2	.22	.11	.1
SEP 13...	7.0	334	317	<.01	.88	<.02	.5	.2	.15	.093	.092

< 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 1998 TO SEPTEMBER 1999

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 17...	--	--	1	--	--	50	--	--	--	--	12	--
DEC 09...	2	<1	1	73	<1	48	<1	3	<1	2	E10	<1
JAN 11...	7	<1	<1	39	<1	26	<1	4	<1	2	78	<1
FEB 11...	--	--	<1	--	--	21	--	--	--	--	34	--
MAR 16...	--	--	1	--	--	35	--	--	--	--	32	--
29...	--	--	<1	--	--	26	--	--	--	--	25	--
APR 16...	--	--	1	--	--	32	--	--	--	--	54	--
27...	--	--	2	--	--	36	--	--	--	--	32	--
MAY 07...	--	--	<1	--	--	40	--	--	--	--	E9	--
25...	3	<1	<1	60	<1	36	<1	<1	<1	2	E6	<1
JUN 11...	3	<1	2	72	<1	39	<1	<1	<1	2	<10	<1
28...	--	--	<1	--	--	--	--	--	--	--	<10	--
JUL 22...	--	--	2	--	--	43	--	--	--	--	<10	--
AUG 05...	--	--	3	--	--	47	--	--	--	--	<10	--
SEP 13...	--	--	3	--	--	71	--	--	--	--	<10	--
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 ASC) (00689)
NOV 17...	7	--	--	--	<1	--	190	<10	--	--	5.1	6.2
DEC 09...	8	<1	2	2	<1	<1	220	<10	4	1	4.1	2.0
JAN 11...	E3	17	<1	2	<1	<1	98	<10	5	<1	7.9	2.7
FEB 11...	<6	--	--	--	<1	--	100	<10	--	--	4.7	1.6
MAR 16...	E4	--	--	--	1	--	150	<10	--	--	4.5	2.1
29...	E4	--	--	--	<1	--	140	<10	--	--	4.6	1.5
APR 16...	E5	--	--	--	<1	--	120	<10	--	--	6.6	1.7
27...	6	--	--	--	<1	--	170	<10	--	--	5.2	2.7
MAY 07...	7	--	--	--	<1	--	230	<10	--	--	4.6	2.3
25...	E6	<1	1	1	1	<1	170	<10	3	1	3.9	3.9
JUN 11...	E5	<1	2	2	2	<1	220	<10	1	2	4.1	5.3
28...	7	--	--	--	<1	--	260	E6	--	--	4.4	5.7
JUL 22...	9	--	--	--	<1	--	220	<10	--	--	4.0	3.8
AUG 05...	10	--	--	--	2	--	230	<10	--	--	4.0	2.1
SEP 13...	14	--	--	--	1	--	270	<10	--	--	3.9	1.5

< 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 1998 TO SEPTEMBER 1999

DATE	DEETHYL										
	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 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	.014	<.018	E.030	.014	<.003	<.002	<.006	<.004	<.004
DEC 09...	<.007	<.002	.010	E.003	E.031	.018	<.003	<.002	<.006	<.004	<.004
JAN 11...	<.007	<.002	.015	E.002	E.007	.007	<.003	<.002	<.006	<.004	<.004
FEB 11...	<.007	<.002	.016	E.002	E.015	.008	<.003	<.002	<.006	<.004	<.004
MAR 16...	<.007	<.002	.013	E.002	E.018	.023	<.003	<.002	<.006	<.004	<.004
29...	<.007	<.002	.016	E.005	E.014	.011	<.003	<.002	<.006	<.004	<.004
APR 16...	<.007	<.002	.029	<.018	E.014	.023	<.003	<.002	<.006	<.004	<.004
27...	<.007	<.002	.057	E.003	E.031	.035	<.003	<.002	<.006	<.004	<.004
MAY 07...	<.007	<.002	.046	E.006	E.048	.049	<.003	<.002	E.003	<.004	<.004
25...	<.007	<.002	.191	E.009	E.062	.078	<.003	<.002	<.006	<.004	<.004
JUN 11...	<.007	<.002	.020	E.007	E.091	.018	<.003	<.002	<.006	<.004	<.004
28...	<.007	<.002	.021	E.007	E.185	.029	<.003	<.002	<.006	<.004	<.004
JUL 22...	<.007	<.002	.027	E.007	E.193	.103	<.003	<.002	<.006	<.004	<.004
AUG 05...	<.007	<.002	.020	<.018	E.156	.063	<.003	<.002	<.006	<.004	<.004
SEP 13...	<.007	<.002	.014	E.010	E.048	.019	<.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 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	.036	<.005	<.004	.0244	.130	<.002	<.002	<.004	<.003	<.002
DEC 09...	<.001	.046	<.005	<.004	<.002	.111	<.002	<.007	<.004	<.003	<.002
JAN 11...	<.001	.018	<.005	<.004	<.002	.032	<.002	<.002	<.004	<.003	<.002
FEB 11...	<.001	.029	<.005	<.004	<.002	.057	<.002	.005	<.004	<.003	<.002
MAR 16...	<.001	.042	<.005	<.004	<.002	.132	<.002	.008	<.004	<.003	<.002
29...	<.001	.040	<.005	<.004	<.002	.129	<.002	.011	<.004	<.003	<.002
APR 16...	<.001	.094	<.005	<.004	E.004	.289	.011	.009	<.004	<.003	<.002
27...	<.001	.154	<.005	<.004	.005	.482	.008	.038	.008	<.003	E.002
MAY 07...	<.001	.345	<.005	<.004	.005	1.04	.012	.122	.011	<.003	E.004
25...	<.001	.417	<.005	<.004	.006	1.64	.020	.125	.014	<.003	E.001
JUN 11...	<.001	.644	.011	<.004	<.002	.241	.032	.378	<.020	<.003	<.002
28...	<.001	.515	.009	<.004	.004	.196	.030	.174	.018	<.003	<.002
JUL 22...	<.001	.331	<.005	<.004	<.002	.837	.018	.032	.008	<.003	<.002
AUG 05...	<.001	.228	<.010	<.004	<.002	.684	.019	.032	<.004	<.003	E.004
SEP 13...	<.001	.060	.008	<.004	<.002	.219	<.002	<.002	<.004	<.003	<.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 1998 TO SEPTEMBER 1999

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 17...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.004	<.004	<.003
DEC 09...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.007	<.004	<.003
JAN 11...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004	<.003
FEB 11...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.007	<.004	<.003
MAR 16...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.006	<.004	<.003
29...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.018	<.004	<.003
APR 16...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.012	<.004	<.003
27...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.009	<.004	<.003
MAY 07...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.012	<.004	<.003
25...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	E.010	<.004	<.003
JUN 11...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.020	<.004	<.003
28...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	.011	.026	<.003
JUL 22...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	.045	<.003
AUG 05...	<.004	<.002	<.007	<.002	<.006	<.002	<.004	<.010	.008	<.003
SEP 13...	<.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 09...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JAN 11...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
FEB 11...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
MAR 16...	<.002	E.009	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
29...	<.002	E.008	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
APR 16...	<.002	E.019	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
27...	<.002	E.009	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
MAY 07...	E.004	E.010	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
25...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JUN 11...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
28...	<.002	E.015	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
JUL 22...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
AUG 05...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.002	<.002
SEP 13...	<.002	<.003	<.013	<.003	<.017	<.001	<.004	<.003	<.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 1998 TO SEPTEMBER 1999

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 17...	<.004	<.003	<.013	<.001	<.005	.6	<.1	235	121000	90
DEC 09...	<.004	<.003	<.013	<.001	<.005	1.0	<.1	108	37600	82
JAN 11...	<.004	<.003	<.013	<.001	<.005	E.2	<.1	219	114000	85
FEB 11...	<.004	<.003	<.013	<.001	<.005	1.3	<.1	269	318000	--
MAR 16...	<.004	<.003	<.013	<.001	<.005	.3	<.1	--	--	--
29...	<.004	<.003	<.013	<.001	<.005	--	--	--	--	--
APR 16...	<.004	<.003	<.013	<.001	<.005	1.8	<.1	192	164000	65
27...	<.004	<.003	<.013	<.001	<.005	1.2	<.1	150	109000	98
MAY 07...	.005	<.003	<.013	<.001	<.005	1.2	<.1	275	267000	84
25...	<.004	<.003	<.013	<.001	<.005	2.7	<.1	143	117000	86
JUN 11...	<.004	<.003	<.013	<.001	<.005	1.6	<.1	191	130000	96
28...	<.004	<.003	<.013	<.001	<.005	1.8	.1	189	113000	96
JUL 22...	<.004	<.003	<.013	<.001	<.005	1.8	E.1	203	106000	97
AUG 05...	<.004	<.003	<.013	<.001	<.005	5.1	.2	112	43200	94
SEP 13...	<.004	<.003	<.013	<.001	<.005	6.2	.3	--	--	--

< 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 heights only).

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

REMARKS.--Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation 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 elevation, 18.27 ft, Feb 17; minimum, 1.25 ft, Sept. 30.

ELEVATION, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.49	5.79	4.95	7.70	14.83	14.87	15.02	12.25	---	9.30	5.46	2.96
2	3.32	5.74	4.59	7.70	14.96	14.38	14.71	12.53	12.23	9.50	5.31	3.11
3	3.54	5.11	4.48	7.71	15.28	13.94	14.18	12.63	12.21	9.56	4.96	---
4	3.40	4.65	4.64	7.44	15.57	13.39	13.63	12.91	11.97	9.58	4.72	3.17
5	3.69	4.28	4.79	7.53	16.00	12.71	13.36	13.68	11.83	9.54	4.85	3.08
6	3.50	3.89	4.90	7.99	16.38	12.16	13.27	14.00	11.70	9.41	4.79	3.12
7	3.33	3.99	5.01	8.26	16.71	11.89	12.98	14.16	11.62	9.61	4.82	---
8	2.96	4.21	4.78	8.22	16.88	11.70	12.61	14.35	11.47	9.94	4.93	---
9	3.29	4.43	4.32	8.15	17.05	11.53	12.56	14.43	11.34	10.19	4.86	2.98
10	3.66	4.58	4.48	7.95	17.08	11.35	12.63	14.51	11.27	---	4.82	2.63
11	3.99	4.40	4.59	7.94	17.22	11.45	12.68	14.80	11.25	---	4.56	2.71
12	4.22	4.55	5.56	8.04	17.43	11.74	12.57	15.00	11.42	---	4.59	2.79
13	4.52	5.16	6.31	8.19	17.57	12.23	12.36	15.05	11.45	10.61	4.43	2.63
14	4.74	6.37	6.25	8.32	17.62	12.89	12.27	15.05	11.49	10.44	4.21	2.51
15	5.13	7.27	6.50	8.15	17.83	13.25	12.16	15.17	11.56	10.24	3.98	2.25
16	5.73	7.74	6.89	8.03	17.85	13.64	11.93	15.24	11.60	10.17	3.97	2.05
17	6.56	7.35	7.29	8.10	17.89	13.99	11.74	15.35	11.56	10.02	4.08	1.77
18	7.08	7.10	7.64	8.53	18.06	14.32	11.53	15.25	11.35	9.85	4.08	2.08
19	7.14	7.11	8.45	9.11	18.08	14.75	11.31	15.18	11.14	9.62	3.91	2.17
20	7.10	7.38	8.67	9.61	17.80	15.15	11.31	15.12	10.92	9.16	3.85	2.46
21	6.87	7.61	8.60	10.13	17.68	15.29	11.36	15.02	10.71	8.61	3.86	2.66
22	6.36	7.70	8.28	10.40	17.49	15.36	11.41	14.85	10.21	8.30	3.90	1.99
23	5.97	7.61	8.01	10.78	17.21	15.50	11.47	14.55	9.59	8.10	3.89	1.99
24	5.74	7.38	7.97	10.99	16.89	15.64	11.60	14.29	9.29	7.82	3.90	2.09
25	5.23	6.92	7.95	11.12	16.49	15.72	11.65	13.92	9.00	7.56	3.76	2.20
26	5.05	6.50	7.92	11.20	16.03	15.77	11.53	---	9.11	7.22	3.63	2.35
27	5.11	6.11	7.72	11.69	15.64	15.73	11.75	---	9.43	7.02	3.36	2.23
28	4.95	5.84	7.72	12.31	15.28	15.69	12.06	---	9.66	6.68	2.98	2.46
29	5.07	5.64	7.65	12.84	---	15.65	12.18	---	9.45	6.46	3.08	2.34
30	5.38	5.45	7.54	13.84	---	15.50	12.09	---	9.23	6.26	3.01	1.44
31	5.70	---	7.63	14.56	---	15.33	---	---	---	5.92	2.99	---
MAX	7.14	7.74	8.67	14.56	18.08	15.77	15.02	---	---	---	5.46	---
MIN	2.96	3.89	4.32	7.44	14.83	11.35	11.31	---	---	---	2.98	---

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.

PERIOD OF RECORD.--July 1993 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is an assumed gage height.

REMARKS.--Below recordable stage: Aug. 4-Sept. 30.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.42 ft, Mar. 28, 29, 1997, minimum recorded, 5.79 ft, Dec. 9, 10, 11, 12, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.67 ft, Feb. 18; minimum recorded, 5.79 ft, Dec. 9, 10, 11, 12.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.02	5.80	7.35	12.16	12.90	12.88	10.96	---	---	6.11	
2	---	6.03	5.80	7.40	12.33	12.58	12.70	11.06	---	---	6.08	
3	---	5.83	5.80	7.33	12.54	12.31	12.40	11.17	---	---	6.07	
4	---	5.82	5.80	7.12	12.79	11.93	12.05	11.42	---	---	7.15	
5	---	5.82	5.80	7.13	13.06	11.51	11.80	11.69	---	---	8.03	
6	---	5.81	5.80	7.44	13.35	11.10	11.66	11.84	---	---		
7	---	5.81	5.80	7.65	13.59	10.83	11.45	11.78	---	---		
8	---	5.81	5.80	7.63	13.79	10.66	11.21	11.68	---	10.19		
9	---	5.81	5.80	7.62	13.93	10.52	11.12	11.68	---	9.25		
10	---	5.81	5.79	7.45	14.04	10.34	11.09	11.68	---	9.41		
11	---	5.81	5.79	7.43	14.13	---	11.09	11.68	---	9.47		
12	---	5.81	5.82	7.47	14.24	---	11.01	11.68	---	9.54		
13	---	5.81	6.18	7.59	14.33	---	10.88	11.68	---	9.61		
14	---	6.32	6.17	7.69	14.41	---	10.83	11.68	---	9.53		
15	---	7.04	6.36	7.59	14.49	---	10.77	11.68	---	9.40		
16	---	7.43	6.65	7.52	14.56	---	10.61	11.68	---	9.34		
17	---	7.21	6.95	7.56	14.62	---	10.46	11.68	---	9.24		
18	---	7.01	7.22	7.83	14.65	---	10.32	11.68	---	9.14		
19	7.05	7.00	7.83	8.23	14.63	---	10.18	11.68	---	8.98		
20	7.01	7.18	8.02	8.58	14.55	---	10.14	11.68	---	8.71		
21	6.86	7.31	8.01	8.97	14.46	---	10.19	11.68	---	8.34		
22	6.41	7.41	7.81	9.25	14.37	---	10.23	11.68	---	8.05		
23	6.09	7.38	7.61	9.51	14.26	---	10.27	11.68	---	7.86		
24	5.99	7.20	7.58	9.64	14.11	---	10.36	11.68	---	7.67		
25	5.82	6.89	7.53	9.73	13.95	13.08	10.40	11.67	---	7.47		
26	5.82	6.55	7.51	9.79	13.71	13.13	10.36	11.64	---	7.17		
27	5.82	6.22	7.39	10.07	13.45	13.15	10.50	11.80	---	6.98		
28	5.82	5.98	7.40	10.47	13.19	13.17	10.67	---	---	6.71		
29	5.82	5.86	7.33	10.85	---	13.18	10.80	---	---	6.51		
30	5.82	5.81	7.24	11.44	---	13.13	10.85	---	---	6.32		
31	5.93	---	7.31	11.92	---	13.03	---	---	---	6.17		
MAX	---	7.43	8.02	11.92	14.65	---	12.88	---	---	---		
MIN	---	5.81	5.79	7.12	12.16	---	10.14	---	---	---		

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 heights only).

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 recorded, 11.60 ft, Feb. 17, 18; minimum recorded, 3.38 ft, Dec. 15.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	4.69	8.30	9.90	9.74	7.34	7.98	---	4.77	---
2	---	---	---	4.77	8.67	9.62	9.60	7.44	7.85	---	4.70	---
3	---	---	---	4.80	8.97	9.38	9.38	7.57	---	---	4.58	---
4	---	---	---	4.78	9.23	9.03	9.12	7.74	7.60	---	4.47	---
5	---	---	---	4.75	9.52	8.72	8.84	8.03	7.51	---	---	---
6	---	---	---	4.73	9.74	8.37	8.62	8.30	7.41	---	---	---
7	---	---	---	4.80	10.07	7.99	8.42	8.48	---	---	---	---
8	---	---	---	4.86	10.33	7.75	8.19	8.62	7.25	---	---	---
9	---	---	---	4.94	10.54	7.56	7.99	8.76	7.19	6.08	---	---
10	---	---	---	4.99	10.75	7.36	7.86	8.93	---	6.19	---	---
11	---	---	---	4.98	10.89	7.23	7.80	9.16	---	6.25	---	---
12	---	---	---	4.98	11.06	7.22	7.71	9.31	---	6.29	---	---
13	---	---	---	4.99	11.25	---	7.64	9.44	---	6.34	---	---
14	---	---	---	5.01	---	7.29	7.58	9.51	---	6.37	---	---
15	---	---	3.38	5.02	---	7.38	7.51	9.58	---	6.38	---	---
16	---	---	3.42	5.02	11.51	7.59	7.42	9.64	---	6.37	---	---
17	---	---	3.48	5.02	11.59	7.86	7.32	9.72	---	6.37	---	---
18	---	---	3.62	5.03	11.60	8.12	7.23	9.79	---	6.37	---	---
19	---	---	3.79	5.07	11.59	8.40	7.11	9.78	---	6.36	---	---
20	---	---	4.00	5.20	11.56	8.70	7.02	9.76	---	6.31	---	---
21	---	---	4.20	5.37	11.46	8.96	6.94	9.74	---	6.20	---	---
22	---	---	4.41	5.59	---	9.11	6.89	9.67	---	6.03	---	---
23	---	---	4.48	5.79	11.26	9.30	6.89	9.56	---	5.90	---	---
24	---	---	4.52	6.02	11.15	9.51	6.90	9.38	---	5.86	---	---
25	---	---	4.57	6.08	10.90	9.64	6.96	9.18	---	5.82	---	---
26	---	---	4.64	6.30	---	9.73	7.00	8.97	---	5.63	---	---
27	---	---	4.65	6.40	---	9.80	7.04	8.78	---	5.48	---	---
28	---	---	4.69	6.64	10.19	9.87	7.09	8.62	---	5.34	---	---
29	---	---	4.70	6.96	---	9.93	7.18	8.46	---	5.23	---	---
30	---	---	4.69	7.38	---	9.93	7.28	8.28	---	5.06	---	---
31	---	---	4.68	7.85	---	9.86	---	8.17	---	4.94	---	---
MEAN	---	---	---	5.45	---	---	7.74	8.89	---	---	---	---
MAX	---	---	---	7.85	---	---	9.74	9.79	---	---	---	---
MIN	---	---	---	4.69	---	---	6.89	7.34	---	---	---	---

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	347	342	344	350	342	347	311	301	306	---	---	---
2	348	345	346	351	342	348	306	292	301	---	---	---
3	347	345	346	353	349	352	301	295	298	---	---	---
4	349	346	348	356	341	349	302	284	296	---	---	---
5	351	348	350	344	335	340	300	288	293	---	---	---
6	353	350	351	340	334	337	294	275	288	---	---	---
7	354	351	353	338	334	336	294	280	288	---	---	---
8	354	350	353	342	330	334	296	285	291	---	---	---
9	356	347	352	343	340	342	299	276	294	---	---	---
10	353	349	352	352	332	341	300	278	296	---	---	---
11	356	350	354	352	345	349	304	260	292	---	---	---
12	359	353	357	351	338	345	---	---	---	---	---	---
13	360	355	358	345	336	340	---	---	---	---	---	---
14	360	352	357	352	338	348	---	---	---	---	---	---
15	361	345	357	357	340	352	---	---	---	---	---	---
16	361	357	359	349	342	344	---	---	---	---	---	---
17	379	360	373	344	331	339	---	---	---	---	---	---
18	381	378	379	340	326	336	---	---	---	---	---	---
19	384	379	382	341	333	336	---	---	---	---	---	---
20	387	383	385	342	332	336	---	---	---	---	---	---
21	389	383	386	350	319	338	---	---	---	---	---	---
22	388	386	387	320	302	309	---	---	---	---	---	---
23	389	378	387	313	302	307	---	---	---	---	---	---
24	390	386	388	320	304	313	---	---	---	---	---	---
25	392	381	388	314	309	312	---	---	---	---	---	---
26	383	357	364	322	314	320	---	---	---	---	---	---
27	370	364	367	328	321	326	---	---	---	---	---	---
28	370	362	367	327	319	322	---	---	---	---	---	---
29	369	358	363	322	311	317	---	---	---	---	---	---
30	360	343	354	322	307	315	---	---	---	---	---	---
31	---	---	---	319	304	309	---	---	---	---	---	---
MONTH	392	342	364	357	302	334	---	---	---	---	---	---

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	7.5	7.5	7.5	6.8	6.7	6.8	6.9	6.9	6.9
2	---	---	---	7.5	7.4	7.5	6.8	6.7	6.8	6.9	6.8	6.9
3	---	---	---	7.5	7.5	7.5	6.8	6.8	6.8	7.0	6.9	6.9
4	---	---	---	7.5	7.4	7.5	6.9	6.8	6.8	7.2	7.0	7.0
5	---	---	---	7.7	7.4	7.6	6.9	6.7	6.8	7.2	7.1	7.2
6	---	---	---	7.6	7.5	7.6	6.8	6.6	6.7	7.4	6.8	7.1
7	---	---	---	7.6	7.5	7.6	6.7	6.6	6.6	6.8	6.7	6.7
8	---	---	---	7.6	7.3	7.5	6.6	6.6	6.6	6.8	6.7	6.8
9	---	---	---	7.6	7.4	7.5	6.7	6.6	6.6	6.8	6.7	6.8
10	---	---	---	7.5	7.4	7.4	6.7	6.6	6.6	6.8	6.7	6.7
11	---	---	---	7.5	7.4	7.4	6.6	6.6	6.6	6.8	6.8	6.8
12	---	---	---	7.6	7.4	7.5	6.6	6.5	6.6	6.9	6.8	6.8
13	---	---	---	7.6	7.4	7.5	6.7	6.5	6.6	6.9	6.8	6.9
14	---	---	---	7.5	7.4	7.5	6.8	6.6	6.7	6.9	6.8	6.9
15	---	---	---	7.4	7.3	7.4	6.7	6.6	6.7	---	---	---
16	---	---	---	7.4	7.3	7.3	6.7	6.6	6.6	---	---	---
17	---	---	---	7.4	7.3	7.3	6.7	6.5	6.6	---	---	---
18	---	---	---	---	---	---	6.6	6.5	6.6	---	---	---
19	---	---	---	---	---	---	6.7	6.5	6.6	---	---	---
20	---	---	---	---	---	---	6.9	6.7	6.8	---	---	---
21	---	---	---	---	---	---	7.0	6.9	7.0	---	---	---
22	---	---	---	---	---	---	7.0	6.9	6.9	---	---	---
23	---	---	---	---	---	---	7.1	7.0	7.0	---	---	---
24	7.5	7.3	7.4	6.8	6.6	6.7	7.1	6.9	7.0	---	---	---
25	7.6	7.5	7.5	6.7	6.6	6.6	7.0	6.9	6.9	---	---	---
26	7.6	7.5	7.5	6.8	6.7	6.7	7.1	6.9	7.0	---	---	---
27	7.6	7.5	7.5	6.8	6.7	6.7	7.1	6.9	7.0	7.2	6.9	7.1
28	7.6	7.5	7.6	6.8	6.8	6.8	6.9	6.8	6.9	7.1	7.0	7.1
29	---	---	---	6.8	6.8	6.8	6.9	6.8	6.9	7.2	7.1	7.1
30	---	---	---	6.8	6.8	6.8	6.9	6.8	6.9	7.1	7.1	7.1
31	---	---	---	6.8	6.8	6.8	---	---	---	7.1	6.9	7.0
MONTH	---	---	---	---	---	---	7.1	6.5	6.8	---	---	---

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.0	6.9	6.9	7.0	6.9	7.0	7.0	6.9	7.0	---	---	---
2	7.0	6.9	7.0	7.1	7.0	7.0	7.1	7.0	7.0	---	---	---
3	7.1	7.0	7.0	7.1	7.0	7.1	7.0	6.9	7.0	---	---	---
4	7.1	7.1	7.1	7.2	7.1	7.1	7.1	7.0	7.0	---	---	---
5	7.1	7.0	7.1	7.1	7.0	7.1	7.0	6.6	6.8	---	---	---
6	7.1	6.9	7.0	7.1	7.0	7.0	6.6	6.6	6.6	---	---	---
7	7.0	6.9	7.0	7.1	7.0	7.0	6.7	6.6	6.6	---	---	---
8	7.0	7.0	7.0	7.1	6.6	6.8	6.7	6.6	6.6	---	---	---
9	7.1	7.0	7.0	6.9	6.7	6.8	6.9	6.7	6.7	---	---	---
10	7.1	7.0	7.0	6.9	6.7	6.7	7.0	6.7	6.7	---	---	---
11	7.1	7.0	7.1	6.9	6.7	6.8	7.6	6.8	6.9	---	---	---
12	7.2	7.1	7.1	6.8	6.6	6.7	---	---	---	---	---	---
13	7.2	7.1	7.1	6.7	6.6	6.6	---	---	---	---	---	---
14	7.1	7.1	7.1	6.8	6.6	6.8	---	---	---	---	---	---
15	7.2	7.1	7.1	6.8	6.6	6.7	---	---	---	---	---	---
16	7.2	7.1	7.1	6.8	6.6	6.7	---	---	---	---	---	---
17	7.2	6.7	6.9	6.7	6.6	6.6	---	---	---	---	---	---
18	6.9	6.7	6.8	6.7	6.6	6.6	---	---	---	---	---	---
19	6.8	6.7	6.8	6.6	6.6	6.6	---	---	---	---	---	---
20	6.8	6.7	6.8	6.6	6.6	6.6	---	---	---	---	---	---
21	6.8	6.8	6.8	6.6	6.3	6.5	---	---	---	---	---	---
22	6.9	6.8	6.9	6.5	6.4	6.4	---	---	---	---	---	---
23	6.9	6.9	6.9	6.6	6.4	6.5	---	---	---	---	---	---
24	6.9	6.9	6.9	6.9	6.5	6.7	---	---	---	---	---	---
25	7.0	6.9	6.9	6.8	6.6	6.7	---	---	---	---	---	---
26	7.0	6.9	6.9	6.8	6.7	6.7	---	---	---	---	---	---
27	7.0	6.9	6.9	6.9	6.7	6.8	---	---	---	---	---	---
28	7.0	6.9	6.9	6.9	6.8	6.8	---	---	---	---	---	---
29	7.0	6.9	7.0	6.9	6.8	6.9	---	---	---	---	---	---
30	7.0	6.9	7.0	6.9	6.8	6.9	---	---	---	---	---	---
31	---	---	---	7.0	6.9	6.9	---	---	---	---	---	---
MONTH	7.2	6.7	7.0	7.2	6.3	6.8	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	14.5	13.7	14.1	15.1	14.2	14.6	24.5	23.7	24.0
2	---	---	---	15.1	14.3	14.6	15.7	14.9	15.3	24.2	23.5	23.9
3	---	---	---	15.5	14.7	15.0	17.1	15.5	16.2	24.9	23.6	24.2
4	---	---	---	15.2	14.1	14.6	18.1	16.3	17.1	24.1	23.0	23.5
5	---	---	---	15.8	14.5	15.1	19.1	17.2	18.0	24.4	23.1	23.7
6	---	---	---	16.7	15.4	15.9	19.1	18.3	18.6	24.3	24.0	24.2
7	---	---	---	16.6	16.1	16.3	19.5	18.9	19.1	24.3	23.8	24.0
8	---	---	---	16.8	15.9	16.3	21.0	19.5	20.2	24.4	23.9	24.1
9	---	---	---	16.9	16.4	16.7	21.5	20.8	21.2	24.4	24.0	24.2
10	---	---	---	17.9	16.7	17.2	22.1	21.4	21.8	24.4	23.7	24.1
11	---	---	---	18.9	17.8	18.3	22.5	22.0	22.2	23.7	23.0	23.3
12	---	---	---	19.1	18.3	18.6	23.0	22.3	22.7	23.0	22.5	22.7
13	---	---	---	18.7	17.7	18.3	23.4	22.5	22.9	22.6	22.2	22.5
14	---	---	---	17.7	15.5	16.6	23.5	23.0	23.2	22.9	22.2	22.6
15	---	---	---	15.5	14.5	14.9	23.6	22.2	22.9	---	---	---
16	---	---	---	15.4	14.5	14.9	22.2	20.7	21.5	---	---	---
17	---	---	---	15.8	15.2	15.4	20.8	20.0	20.4	---	---	---
18	---	---	---	---	---	---	20.5	19.4	19.9	---	---	---
19	---	---	---	---	---	---	20.7	19.5	20.0	---	---	---
20	---	---	---	---	---	---	21.8	20.4	21.0	---	---	---
21	---	---	---	---	---	---	23.0	21.2	21.8	---	---	---
22	---	---	---	---	---	---	22.9	21.3	22.1	---	---	---
23	---	---	---	---	---	---	24.6	22.4	23.3	---	---	---
24	12.1	11.9	12.0	16.7	16.5	16.6	24.4	23.9	24.2	---	---	---
25	12.9	12.0	12.5	16.9	16.0	16.5	25.7	24.2	24.8	---	---	---
26	13.4	12.7	13.0	16.3	15.1	15.6	25.6	24.9	25.1	---	---	---
27	14.0	13.1	13.5	15.4	14.4	14.8	25.7	24.8	25.2	25.1	24.0	24.7
28	14.5	13.7	14.0	14.9	14.2	14.5	25.5	24.7	25.2	25.1	24.9	25.0
29	---	---	---	14.8	14.2	14.5	25.7	24.9	25.2	25.2	24.9	25.0
30	---	---	---	14.6	14.3	14.4	25.3	24.4	24.8	25.2	24.9	25.1
31	---	---	---	14.6	14.1	14.3	---	---	---	25.2	24.8	24.9
MONTH	---	---	---	---	---	---	25.7	14.2	21.4	---	---	---

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.4	24.9	25.1	29.6	28.0	28.7	30.3	28.8	29.5	---	---	---
2	25.6	25.3	25.5	30.2	28.4	29.2	30.1	28.8	29.3	---	---	---
3	26.3	25.6	25.9	29.5	28.7	29.2	29.8	28.2	29.0	---	---	---
4	26.7	25.9	26.4	29.1	28.4	28.8	30.0	28.4	29.3	---	---	---
5	27.2	26.4	26.9	28.4	27.6	28.1	30.2	28.5	29.4	---	---	---
6	27.7	26.8	27.2	27.6	27.2	27.4	30.8	29.2	30.0	---	---	---
7	27.6	26.8	27.2	28.3	26.9	27.5	31.4	29.2	30.3	---	---	---
8	27.7	27.0	27.4	28.6	27.7	28.0	31.0	29.7	30.4	---	---	---
9	27.5	27.1	27.3	28.7	27.6	28.1	31.4	29.5	30.4	---	---	---
10	27.4	26.9	27.2	28.4	27.5	27.9	30.6	29.4	30.0	---	---	---
11	27.4	26.9	27.1	28.4	27.6	28.0	31.8	28.8	30.0	---	---	---
12	27.4	26.9	27.2	28.3	27.1	27.7	---	---	---	---	---	---
13	27.6	27.0	27.3	27.2	26.6	26.9	---	---	---	---	---	---
14	27.5	27.2	27.3	27.7	27.0	27.3	---	---	---	---	---	---
15	27.3	27.1	27.2	27.8	27.3	27.5	---	---	---	---	---	---
16	27.3	27.1	27.1	27.8	27.2	27.4	---	---	---	---	---	---
17	27.1	26.9	27.0	27.5	27.0	27.3	---	---	---	---	---	---
18	27.0	26.6	26.8	27.1	26.6	26.9	---	---	---	---	---	---
19	27.1	26.7	26.9	26.8	26.1	26.4	---	---	---	---	---	---
20	27.1	26.7	26.9	26.4	26.0	26.2	---	---	---	---	---	---
21	27.1	26.7	26.9	26.8	26.1	26.5	---	---	---	---	---	---
22	27.6	26.9	27.3	27.2	26.6	26.9	---	---	---	---	---	---
23	27.9	27.4	27.7	27.6	27.0	27.3	---	---	---	---	---	---
24	28.3	27.6	27.9	28.1	27.4	27.7	---	---	---	---	---	---
25	28.2	27.4	27.9	27.9	27.1	27.5	---	---	---	---	---	---
26	27.5	26.9	27.2	28.6	27.6	28.0	---	---	---	---	---	---
27	28.2	27.0	27.4	29.0	28.0	28.4	---	---	---	---	---	---
28	28.2	27.2	27.6	28.9	28.1	28.4	---	---	---	---	---	---
29	28.6	27.6	28.0	29.3	28.1	28.6	---	---	---	---	---	---
30	29.0	27.7	28.2	29.9	28.3	29.0	---	---	---	---	---	---
31	---	---	---	30.1	28.6	29.3	---	---	---	---	---	---
MONTH	29.0	24.9	27.1	30.2	26.0	27.8	---	---	---	---	---	---

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	5.8	5.1	5.4	8.5	7.7	8.2	2.4	.9	1.6
2	---	---	---	5.6	4.8	5.3	8.1	7.1	7.7	2.4	1.2	1.7
3	---	---	---	5.9	5.2	5.5	7.9	7.1	7.4	3.8	1.6	2.9
4	---	---	---	5.8	4.8	5.3	7.8	6.5	7.1	4.2	2.7	3.4
5	---	---	---	5.8	4.7	5.2	7.7	5.9	6.6	4.6	3.4	4.0
6	---	---	---	4.9	4.1	4.4	5.9	5.0	5.5	4.1	1.1	2.8
7	---	---	---	4.9	4.1	4.5	5.1	4.3	4.6	1.9	.9	1.2
8	---	---	---	5.2	3.5	4.4	5.5	4.3	4.7	1.8	1.0	1.4
9	---	---	---	---	---	---	5.4	3.9	4.6	1.9	.9	1.2
10	---	---	---	---	---	---	5.2	3.2	4.2	1.8	.8	1.2
11	---	---	---	---	---	---	3.8	3.0	3.5	1.9	1.4	1.6
12	---	---	---	---	---	---	4.5	2.7	3.7	2.0	1.4	1.7
13	---	---	---	---	---	---	6.8	2.9	4.2	2.1	1.5	1.8
14	---	---	---	---	---	---	7.1	4.7	5.3	2.2	1.3	1.8
15	---	---	---	---	---	---	5.0	3.3	4.3	---	---	---
16	---	---	---	---	---	---	4.0	3.1	3.5	---	---	---
17	---	---	---	---	---	---	3.7	2.8	3.2	---	---	---
18	---	---	---	---	---	---	4.1	2.7	3.2	---	---	---
19	---	---	---	---	---	---	3.8	2.2	2.8	---	---	---
20	---	---	---	---	---	---	5.4	2.3	3.3	---	---	---
21	---	---	---	---	---	---	5.5	4.2	4.7	---	---	---
22	---	---	---	---	---	---	4.8	3.8	4.3	---	---	---
23	---	---	---	---	---	---	5.5	4.4	4.8	---	---	---
24	6.9	6.1	6.7	7.2	6.5	6.8	5.3	2.6	4.2	---	---	---
25	6.8	5.9	6.5	8.2	7.1	7.6	4.0	2.0	2.8	---	---	---
26	6.8	5.7	6.3	9.3	7.8	8.5	4.9	2.9	3.9	---	---	---
27	6.5	5.3	6.1	9.4	8.6	8.9	4.9	2.0	3.8	3.1	1.7	2.6
28	6.3	5.5	6.0	9.3	8.7	9.0	2.5	1.2	1.9	2.5	1.6	2.1
29	---	---	---	9.5	8.7	9.0	2.5	.7	1.3	2.3	1.6	1.9
30	---	---	---	9.2	8.6	8.9	2.3	.9	1.6	2.0	1.5	1.7
31	---	---	---	9.0	8.3	8.6	---	---	---	1.8	1.2	1.5
MONTH	---	---	---	---	---	---	8.5	.7	4.4	---	---	---

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.8	1.2	1.4	.8	.1	.4	.8	---	---	---	---	---
2	1.3	.9	1.1	1.7	.4	.9	.8	---	---	---	---	---
3	1.8	.9	1.3	1.8	.6	1.2	.4	---	---	---	---	---
4	1.9	.9	1.4	1.8	.9	1.4	.5	---	---	---	---	---
5	2.0	1.0	1.4	1.2	.2	.7	1.4	---	---	---	---	---
6	1.9	.9	1.4	.7	.1	.2	1.8	.1	.8	---	---	---
7	1.6	.9	1.2	.2	.1	.1	2.1	.1	1.0	---	---	---
8	1.1	.6	.9	2.3	.1	1.0	1.8	.1	.8	---	---	---
9	1.2	.5	.8	3.3	1.2	2.2	2.5	.1	1.1	---	---	---
10	.9	.4	.6	3.3	.6	2.1	1.7	.1	.6	---	---	---
11	1.2	.3	.6	2.8	1.6	2.2	6.3	.1	1.7	---	---	---
12	.5	.2	.3	2.4	.1	.8	---	---	---	---	---	---
13	1.2	.2	.6	1.1	---	---	---	---	---	---	---	---
14	.6	.2	.3	1.9	.1	1.0	---	---	---	---	---	---
15	.7	.2	.2	1.6	.1	.8	---	---	---	---	---	---
16	.2	.2	.2	.9	---	---	---	---	---	---	---	---
17	.3	.1	.2	.8	---	---	---	---	---	---	---	---
18	.3	.1	.2	.4	---	---	---	---	---	---	---	---
19	.3	.1	.1	.1	---	---	---	---	---	---	---	---
20	.2	.1	.1	.1	---	---	---	---	---	---	---	---
21	.3	.1	.1	.1	---	---	---	---	---	---	---	---
22	.3	.1	.1	.1	---	---	---	---	---	---	---	---
23	.1	.1	.1	.3	---	---	---	---	---	---	---	---
24	.2	.1	.1	1.4	---	---	---	---	---	---	---	---
25	.8	.1	.4	.5	.1	.2	---	---	---	---	---	---
26	1.4	.2	.9	.3	---	---	---	---	---	---	---	---
27	.7	.1	.3	.3	---	---	---	---	---	---	---	---
28	.4	.1	.2	.4	---	---	---	---	---	---	---	---
29	.5	.1	.2	.3	---	---	---	---	---	---	---	---
30	.6	.1	.3	.5	---	---	---	---	---	---	---	---
31	---	---	---	.6	---	---	---	---	---	---	---	---
MONTH	2.0	.1	.6	3.3	---	---	---	---	---	---	---	---

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 heights only).

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).

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 gage height, 11.05 ft, Feb. 18; minimum gage height, -.76 ft, Sept. 30.

GAGE HEIGHT, IN FEET ABOVE DATUM, OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.46	3.80	2.99	4.56	8.66	9.19	9.25	7.61	7.56	5.60	2.97	---
2	2.28	3.83	2.79	4.69	8.82	8.93	9.09	7.74	7.46	5.64	2.84	---
3	2.50	3.34	2.79	4.44	9.05	8.61	8.83	7.83	7.42	5.65	2.65	---
4	2.44	3.09	2.88	4.23	9.24	8.31	8.51	8.13	7.28	5.62	2.45	---
5	2.70	2.68	2.87	4.24	9.51	7.97	8.28	8.47	7.19	5.57	2.60	---
6	2.64	2.41	3.00	4.56	9.78	7.56	8.14	8.58	7.10	5.48	2.63	---
7	2.38	2.47	3.10	4.74	9.99	7.27	7.95	8.61	7.04	5.56	2.66	---
8	1.89	2.66	2.89	4.72	10.15	7.21	7.71	8.72	6.97	5.71	2.76	2.14
9	2.04	2.83	2.46	4.68	10.29	7.09	7.65	8.80	6.90	5.87	2.70	1.95
10	2.29	3.06	2.67	4.47	10.38	6.92	7.63	8.88	6.87	6.01	2.62	1.84
11	2.45	2.65	2.70	4.52	10.49	6.95	7.64	9.13	6.82	6.03	2.51	1.92
12	2.61	2.80	3.27	4.55	10.53	7.05	7.54	9.24	6.90	6.04	2.48	1.97
13	2.72	3.20	3.56	4.69	10.63	7.34	7.45	9.28	6.93	6.09	2.32	1.89
14	2.83	3.91	3.59	4.77	10.76	7.62	7.45	9.28	6.94	6.03	2.10	1.79
15	2.85	4.37	3.70	4.68	10.89	7.72	7.40	9.31	6.99	5.91	1.96	1.52
16	3.51	4.59	3.93	4.67	10.94	8.01	7.14	9.39	6.98	5.84	2.05	1.37
17	4.10	4.39	4.15	4.72	10.96	8.26	7.02	9.47	6.93	5.74	2.08	1.15
18	4.44	4.27	4.41	4.90	11.01	8.46	6.89	9.42	6.83	5.66	2.09	1.49
19	4.46	4.28	4.93	5.18	10.95	8.71	6.77	9.36	6.72	5.53	1.99	1.64
20	4.43	4.40	5.02	5.44	10.88	8.93	6.74	9.35	6.61	5.34	2.00	1.92
21	4.27	4.40	5.03	5.78	10.73	9.02	6.81	9.31	6.50	5.00	2.03	2.16
22	3.84	4.53	4.80	6.10	10.68	9.15	6.91	9.18	6.27	4.76	2.06	1.46
23	3.64	4.54	4.64	6.26	10.59	9.27	6.95	8.99	5.92	4.57	2.12	1.49
24	3.63	4.36	4.60	6.28	10.39	9.37	6.99	8.80	5.73	4.44	2.11	1.56
25	3.45	4.16	4.53	6.35	10.20	9.40	7.04	8.58	5.61	4.32	2.08	1.72
26	3.36	3.88	4.55	6.39	9.93	9.43	7.04	8.39	5.74	4.11	1.87	1.85
27	3.37	3.62	4.51	6.65	9.69	9.49	7.22	8.26	5.82	3.95	1.63	1.76
28	3.26	3.45	4.55	7.08	9.40	9.54	7.31	8.17	5.85	3.78	---	2.01
29	3.35	3.39	4.47	7.44	---	9.54	7.45	7.87	5.73	3.64	---	1.77
30	3.53	3.33	4.41	8.00	---	9.44	7.47	7.71	5.58	3.49	---	.95
31	3.70	---	4.51	8.42	---	9.37	---	7.63	---	3.31	---	---
MAX	4.46	4.59	5.03	8.42	11.01	9.54	9.25	9.47	7.56	6.09	---	---
MIN	1.89	2.41	2.46	4.23	8.66	6.92	6.74	7.61	5.58	3.31	---	---

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 heights only).

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, 12.83 ft, Feb. 17, 18; minimum gage height, 2.53 ft, Aug. 28, 31, Sept. 1, 7-8, 11, 13-15, 20-22, 27-29.

GAGE HEIGHT, IN FEET ABOVE DATUM, OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.25	4.70	4.44	5.89	9.48	11.10	10.95	8.78	9.24	7.32	5.01	2.63
2	3.11	4.76	4.17	5.99	9.74	10.84	10.81	8.88	9.11	7.31	4.85	2.77
3	3.29	4.47	4.03	5.96	10.01	10.62	10.59	8.98	9.01	7.32	4.65	2.96
4	3.19	4.15	4.00	5.85	10.27	10.27	10.33	9.15	8.90	7.34	4.43	2.93
5	3.45	3.86	4.03	5.80	10.55	9.93	10.04	9.38	8.79	7.34	4.39	2.84
6	3.37	3.53	4.06	5.83	10.86	9.58	9.85	9.60	8.71	7.30	4.38	2.83
7	3.22	3.51	4.16	5.93	11.17	9.27	9.65	9.74	8.63	7.29	4.31	2.66
8	2.81	3.62	4.05	5.97	11.43	9.02	9.43	9.86	8.55	7.35	4.33	2.75
9	2.93	3.77	3.68	6.04	11.73	8.86	9.27	9.99	8.47	7.44	4.23	2.70
10	3.20	3.94	3.76	5.95	11.98	8.68	9.17	10.14	8.41	7.55	4.15	2.60
11	3.42	3.76	3.78	5.91	12.10	8.58	9.12	10.39	8.37	7.63	4.08	2.60
12	3.54	3.78	4.24	5.91	12.24	8.58	9.05	10.54	8.36	7.68	3.99	2.64
13	3.68	4.08	4.66	5.97	12.35	8.63	8.96	10.64	8.37	7.74	3.89	2.57
14	3.85	4.75	4.73	6.05	12.46	8.80	8.89	10.69	8.37	7.75	3.69	2.56
15	4.07	5.28	4.84	6.04	12.59	8.94	8.85	10.74	8.38	7.71	3.50	---
16	4.44	5.56	5.04	6.00	12.69	9.14	8.73	10.80	8.39	7.68	3.48	---
17	4.91	5.57	5.27	6.01	12.79	9.39	8.62	10.88	8.40	7.63	3.50	---
18	5.28	5.45	5.44	6.11	12.83	9.62	8.50	10.94	8.37	7.60	3.49	---
19	5.35	5.45	5.83	6.29	12.81	9.87	8.38	10.93	8.30	7.53	3.35	---
20	5.34	5.54	6.02	6.50	12.75	10.13	8.30	10.92	8.22	7.39	3.27	2.80
21	5.28	5.64	6.12	6.72	12.65	10.35	8.25	10.88	8.15	7.15	3.30	2.77
22	5.06	5.73	6.09	6.96	12.55	10.52	8.26	10.82	8.05	6.92	3.31	---
23	4.82	5.76	5.98	7.19	12.44	10.69	8.28	10.69	7.81	6.72	3.33	---
24	4.77	5.71	---	7.30	12.28	10.83	8.32	10.54	7.58	---	3.33	---
25	4.55	5.58	5.95	7.41	12.09	10.94	8.35	10.36	7.44	---	3.27	---
26	4.39	5.40	5.95	7.50	11.85	11.01	8.35	10.15	7.66	---	3.12	---
27	4.38	5.17	5.91	7.65	11.61	11.06	8.42	9.98	7.68	6.07	2.90	---
28	4.28	4.98	5.96	7.89	11.38	11.11	8.51	9.81	7.63	5.85	2.60	2.62
29	4.28	4.83	5.92	8.23	---	11.15	8.61	9.65	7.53	5.66	2.70	2.58
30	4.42	4.70	5.87	8.65	---	11.14	8.69	9.48	7.39	5.49	2.66	---
31	4.59	---	5.87	9.11	---	11.06	---	9.38	---	5.31	2.65	---
MAX	5.35	5.76	---	9.11	12.83	11.15	10.95	10.94	9.24	---	5.01	---
MIN	2.81	3.51	---	5.80	9.48	8.58	8.25	8.78	7.39	---	2.60	---

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.--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: Oct. 8, 9; Dec. 17, 19, Dec. 22-Jan. 3; Jan. 5, Apr. 14-May 4, and Aug. 31-Sept. 6. 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, 186,000 ft³/s, Feb. 17; maximum gage height, 6.70 ft, Feb. 17; minimum discharge, -12,900 ft³/s, Sept. 30; minimum gage height, 0.93 ft, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45800	77800	65100	---	141000	155000	150000	---	128000	98100	66700	---
2	45900	72500	59000	---	145000	150000	148000	---	126000	101000	63400	---
3	49300	66600	57300	---	148000	146000	141000	---	125000	104000	61700	---
4	47700	61200	57500	---	160000	142000	138000	---	125000	107000	61100	---
5	51600	62100	58700	---	165000	137000	133000	134000	123000	108000	55800	---
6	49900	57400	56500	---	165000	132000	134000	136000	123000	106000	52400	---
7	52500	56900	57400	81400	166000	130000	134000	139000	123000	104000	49600	38100
8	---	57700	60700	82300	168000	124000	128000	145000	122000	107000	50800	43400
9	---	57600	55900	92900	170000	121000	126000	145000	121000	107000	51600	42600
10	55900	59700	63100	89400	171000	118000	125000	144000	120000	110000	52400	36700
11	54400	64400	61100	89100	172000	118000	129000	147000	120000	112000	49800	37600
12	57400	63500	72800	89500	177000	121000	130000	154000	121000	112000	52700	37600
13	58800	62800	77700	89100	177000	122000	129000	154000	121000	110000	53700	33800
14	59500	73800	75900	88300	181000	131000	---	153000	122000	112000	55700	35800
15	61600	82700	78900	88300	181000	134000	---	148000	120000	111000	48900	34500
16	65500	87400	75700	86000	180000	136000	---	153000	121000	110000	45300	32200
17	70100	85200	---	86300	183000	139000	---	153000	119000	110000	47100	28700
18	77000	81900	---	88500	182000	142000	---	152000	115000	108000	45600	26800
19	80200	81600	---	91300	179000	148000	---	151000	113000	105000	43700	25700
20	81400	81000	90900	97900	181000	152000	---	147000	113000	99100	43000	23900
21	82400	85000	---	98400	177000	153000	---	147000	110000	93100	44000	24800
22	80500	84200	---	97600	179000	153000	---	147000	107000	95500	42000	26600
23	73200	82900	---	111000	178000	154000	---	148000	104000	92200	41600	23700
24	70600	80000	---	113000	175000	157000	---	147000	100000	91500	43700	25200
25	66100	79100	---	114000	172000	162000	---	142000	98100	86000	41300	18200
26	69100	77400	---	113000	169000	166000	---	140000	95000	84500	43400	23800
27	81400	75100	---	114000	167000	163000	---	141000	99100	75200	42700	20900
28	80500	71300	---	116000	162000	164000	---	139000	104000	78900	38800	20400
29	79900	68200	---	120000	---	170000	---	135000	104000	75000	38000	31300
30	83000	67200	---	134000	---	160000	---	133000	101000	71300	34800	23800
31	86000	---	---	140000	---	158000	---	131000	---	68100	---	---
TOTAL	---	2164200	---	---	4771000	4458000	---	---	3443200	3052500	---	---
MEAN	---	72140	---	---	170400	143800	---	---	114800	98470	---	---
MAX	---	87400	---	---	183000	170000	---	---	128000	112000	---	---
MIN	---	56900	---	---	141000	118000	---	---	95000	68100	---	---

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.52	3.13	1.96	2.80	4.91	5.45	5.49	4.39	4.47	3.65	2.18	1.99
2	2.33	3.08	1.98	3.15	5.07	5.36	5.42	4.50	4.48	3.57	2.06	2.23
3	2.54	2.57	2.12	2.29	5.20	5.14	5.35	4.55	4.38	3.51	2.04	2.30
4	2.64	2.57	2.22	2.17	5.33	4.90	5.19	5.03	4.25	3.43	1.82	2.17
5	2.87	1.98	2.06	2.30	5.48	4.82	5.05	5.37	4.21	3.36	2.19	2.07
6	2.90	1.90	2.31	2.71	5.64	4.46	4.88	5.29	4.09	3.24	2.23	1.99
7	2.41	1.95	2.33	2.73	5.81	4.14	4.67	5.11	4.05	3.35	2.32	1.91
8	1.85	2.15	1.92	2.74	5.89	4.38	4.53	5.14	4.06	3.50	2.40	2.15
9	2.03	2.33	1.59	2.52	6.00	4.30	4.55	5.25	4.06	3.73	2.37	1.78
10	2.19	2.64	1.87	2.41	6.09	4.15	4.53	5.36	4.06	3.88	2.19	1.89
11	2.27	1.76	1.98	2.57	6.19	4.19	4.54	5.66	3.94	3.84	2.26	2.01
12	2.16	1.99	2.10	2.59	6.18	4.21	4.34	5.61	4.00	3.77	2.14	2.03
13	2.12	2.42	1.81	2.80	6.19	4.66	4.33	5.55	4.01	3.78	1.94	2.07
14	2.30	2.73	1.99	2.77	6.30	4.44	4.62	5.49	4.07	3.73	1.68	1.90
15	2.47	2.74	1.96	2.70	6.42	4.23	4.47	5.56	4.07	3.68	1.69	1.64
16	2.81	2.72	2.11	2.83	6.50	4.52	3.97	5.65	4.06	3.67	1.95	1.55
17	3.20	2.54	2.17	2.92	6.60	4.72	3.86	5.69	4.02	3.58	1.92	1.40
18	3.31	2.64	2.62	2.89	6.62	4.87	3.74	5.68	3.96	3.57	1.85	1.79
19	3.10	2.65	2.93	2.95	6.57	5.08	3.71	5.58	3.99	3.50	1.84	2.01
20	2.95	2.66	2.90	3.07	6.53	5.15	3.74	5.55	3.97	3.51	1.95	2.32
21	2.71	2.40	2.98	3.42	6.44	5.10	3.80	5.51	3.99	3.29	1.98	2.50
22	2.22	2.76	2.80	3.95	6.35	5.25	4.12	5.41	3.83	3.06	2.08	1.81
23	2.47	2.77	2.64	3.56	6.37	5.37	4.12	5.28	3.65	2.84	2.19	1.92
24	2.66	2.58	---	3.37	6.20	5.43	4.01	5.12	3.63	2.87	2.14	1.94
25	2.80	2.57	---	3.43	6.09	5.47	4.03	4.96	3.69	2.95	2.24	2.24
26	2.80	2.34	---	3.44	5.95	5.45	4.23	4.85	3.92	2.77	1.88	2.27
27	2.70	2.15	2.61	3.64	5.80	5.51	4.42	4.72	3.82	2.59	1.66	2.22
28	2.64	2.10	2.72	3.99	5.62	5.63	4.29	4.61	3.70	2.64	1.68	2.50
29	2.75	2.20	2.56	4.29	---	5.64	4.32	4.59	3.58	2.62	1.86	1.97
30	2.84	2.25	2.66	4.57	---	5.56	4.25	4.51	3.51	2.48	1.95	1.34
31	2.92	---	2.69	4.73	---	5.52	---	4.47	---	2.41	1.78	---
MAX	3.31	3.13	---	4.73	6.62	5.64	5.49	5.69	4.48	3.88	2.40	2.50
MIN	1.85	1.76	---	2.17	4.91	4.14	3.71	4.39	3.51	2.41	1.66	1.34

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 1998 TO SEPTEMBER 1999

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, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML) (31501)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DISSOLVED (MG/L AS Ca) (00915)
APR 14...	1300	278	7.72	21.2	50	--	6.6	1.3	K68	K77	88	24
MAY 05...	1015	379	7.97	20.5	20	16	7.6	--	230	K160	140	36
18...	1145	366	7.33	22.5	30	7.6	6.9	1.6	--	K33	140	37
JUL 26...	1130	452	7.68	30.4	5	94	6.07	.3	--	--	160	42
SEP 08...	1130	511	8.07	29.5	.0	14	6.7	.4	73	K18	190	48
DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD (MG/L AS CaCO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
APR 14...	6.9	18	2.3	61	33	25	.10	5.1	170	154	69	E.03
MAY 05...	11	18	2.6	98	43	26	.14	6.5	235	211	160	<.01
18...	11	15	2.6	99	41	21	.16	6.8	235	204	170	<.01
JUL 26...	14	26	3.8	114	55	27	.19	7.8	287	252	160	<.01
SEP 08...	16	30	4.1	144	67	27	.21	8.5	329	293	26	<.01

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

E Estimated.

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

MISSISSIPPI RIVER DELTA
07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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- 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 TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
APR 14...	.02	.66	.64	.02	.03	.46	E.31	.15	E.07	E.08	<.04
MAY 05...	.01	2.1	2.1	.04	<.01	1.1	E.26	.24	.07	E.19	E.06
18...	<.01	2.2	2.2	.02	.01	.77	E.28	.20	E.05	.18	.06
JUL 26...	<.01	1.7	1.7	.02	<.01	.66	.22	.22	.09	.20	.09
SEP 08...	<.01	1.2	1.2	.04	<.01	.37	<.20	.12	.10	--	.10
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)
APR 14...	8.4	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
MAY 05...	7.4	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
18...	7.4	E.004	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
JUL 26...	6.6	<.05	<.05	<.05	<.05	<.09	<.05	<.05	<.05	<.05	<.05
SEP 08...	4.6	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
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 ATRAZINE, 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)
APR 14...	<.05	<.05	E.026	<.05	<.05	<.05	<.05	E.035	<.05	<.05	.099
MAY 05...	<.05	<.05	.075	<.05	<.05	E.043	.095	E.12	<.05	E.021	.47
18...	<.05	<.05	.167	<.05	E.010	.062	.130	E.078	<.05	E.024	.51
JUL 26...	<.05	<.05	E.028	E.019	E.020	.085	.175	E.075	<.05	E.012	.24
SEP 08...	<.05	<.05	<.05	<.05	<.05	<.05	.098	<.20	<.05	<.05	.086
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)	
APR 14...	.24	.10	<.01	<.01	<.05	<.05	<.01	<.05	2	<.1	
MAY 05...	.91	.07	<.01	<.01	E.029	.15	<.01	<.05	.82	<.1	
18...	1.1	.081	<.01	<.01	E.029	.145	<.01	<.05	.87	<.1	
JUL 26...	.60	<.01	<.01	<.01	E.015	E.028	<.01	<.05	.75	<.1	
SEP 08...	.21	<.05	<.03	<.03	<.05	<.05	<.04	<.05	1.1	<.1	

< 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 1998 TO
SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 08...	1200	55000	105	15600	100
NOV 12...	1340	56500	164	25000	100
DEC 10...	1100	58500	207	32700	100
MAR 25...	1330	162000	303	133000	80
APR 14...	1300	123000	179	59000	100
MAY 05...	1015	132000	299	107000	92
18...	1145	154000	300	125000	87
JUN 23...	1215	99500	182	48900	98
JUL 26...	1130	80900	315	69000	100
AUG 31...	1115	43100	160	19000	100
SEP 08...	1130	30900	112	9400	99

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. 1-8, Dec. 1-2, Dec. 25-Mar. 9, May 14, July 24-Sept. 1. 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 discharge recorded, 257,000 ft³/s, Mar. 26, 28; maximum elevation, 6.37 ft, Feb. 19; minimum discharge recorded, 5,300 ft³/s, Sep. 18; minimum elevation, 1.04 ft, Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	76200	---	---	---	---	218000	163000	168000	123000	---	---
2	---	81200	---	---	---	---	221000	167000	164000	127000	---	51100
3	---	86400	77800	---	---	---	209000	167000	170000	127000	---	58800
4	---	78300	76300	---	---	---	203000	168000	168000	129000	---	60300
5	---	84500	86400	---	---	---	195000	185000	166000	125000	---	59500
6	---	72300	82900	---	---	---	189000	204000	167000	125000	---	62100
7	---	73100	85200	---	---	---	184000	201000	165000	122000	---	58600
8	---	70200	96400	---	---	---	175000	204000	163000	120000	---	56400
9	58600	67900	86300	---	---	---	169000	203000	157000	120000	---	64500
10	63800	65800	88200	---	---	167000	167000	205000	156000	123000	---	53200
11	67600	85600	83900	---	---	167000	171000	207000	155000	131000	---	52500
12	72300	82800	98900	---	---	171000	174000	216000	150000	136000	---	48800
13	76500	76500	115000	---	---	160000	172000	216000	148000	135000	---	46000
14	75000	88600	114000	---	---	188000	166000	---	148000	136000	---	49100
15	78700	105000	117000	---	---	193000	168000	228000	150000	133000	---	50700
16	79500	115000	118000	---	---	191000	172000	230000	150000	131000	---	48200
17	81300	111000	122000	---	---	197000	167000	231000	150000	128000	---	46900
18	93200	102000	116000	---	---	195000	154000	224000	151000	127000	---	39600
19	103000	99400	125000	---	---	197000	145000	226000	148000	128000	---	37200
20	105000	106000	127000	---	---	215000	145000	230000	146000	125000	---	39100
21	107000	114000	127000	---	---	224000	150000	222000	138000	121000	---	40600
22	109000	104000	132000	---	---	220000	146000	218000	138000	117000	---	43100
23	88600	105000	122000	---	---	224000	152000	210000	131000	124000	---	35400
24	85900	99900	124000	---	---	228000	156000	206000	133000	---	---	41500
25	76300	90100	---	---	---	235000	151000	201000	127000	---	---	29300
26	78400	95000	---	---	---	239000	150000	196000	123000	---	---	36100
27	78200	90100	---	---	---	234000	152000	192000	124000	---	---	36300
28	78400	85800	---	---	---	241000	160000	185000	129000	---	---	34000
29	76400	83700	---	---	---	238000	160000	175000	128000	---	---	53600
30	79500	79000	---	---	---	240000	163000	172000	124000	---	---	40100
31	81800	---	---	---	---	228000	---	172000	---	---	---	---
TOTAL	---	2674400	---	---	---	---	5104000	---	4435000	---	---	---
MEAN	---	89150	---	---	---	---	170100	---	147800	---	---	---

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.50	2.91	1.96	2.72	4.49	5.47	5.34	4.10	4.44	3.64	2.27	1.99
2	2.31	2.99	1.95	3.04	4.67	5.38	5.27	4.19	4.43	3.57	2.14	2.22
3	2.51	2.58	2.07	2.47	4.80	5.22	5.21	4.23	4.34	3.53	2.10	2.31
4	2.56	2.54	2.18	2.23	4.95	4.97	5.06	4.57	4.23	3.46	1.92	2.22
5	2.76	2.07	2.04	2.23	5.09	4.90	4.94	4.96	4.17	3.42	2.18	2.11
6	2.82	1.89	2.24	2.55	5.23	4.65	4.81	4.93	4.10	3.33	2.24	2.05
7	2.53	1.88	2.29	2.63	5.40	4.36	4.63	4.79	4.03	3.35	2.31	1.94
8	1.99	2.07	1.99	2.65	5.47	4.39	4.52	4.81	4.02	3.43	2.40	2.11
9	2.01	2.21	1.57	2.58	5.59	4.35	4.51	4.91	4.03	3.60	2.39	1.81
10	2.13	2.56	1.80	2.40	5.67	4.18	4.45	5.02	4.03	3.74	2.25	1.89
11	2.19	1.81	1.81	2.51	5.76	4.17	4.44	5.31	3.95	3.73	2.29	1.98
12	2.13	1.92	2.06	2.52	5.76	4.15	4.27	5.32	3.96	3.70	2.19	2.01
13	2.06	2.27	1.79	2.71	5.78	4.50	4.21	5.32	3.96	3.70	2.04	2.02
14	2.20	2.61	1.90	2.73	5.84	4.44	4.40	5.27	4.00	3.64	1.79	1.92
15	2.32	2.67	1.87	2.67	5.96	4.18	4.43	5.32	3.99	3.60	1.74	1.68
16	2.59	2.68	1.99	2.75	6.05	4.30	4.03	5.38	3.99	3.57	1.97	1.54
17	2.93	2.52	2.10	2.84	6.17	4.45	3.95	5.44	3.95	3.52	1.96	1.39
18	3.06	2.56	2.39	2.85	6.19	4.59	3.82	5.45	3.89	3.50	1.91	1.76
19	2.93	2.58	2.73	2.85	6.20	4.76	3.77	5.42	3.90	3.48	1.89	1.97
20	2.84	2.62	2.71	2.97	6.17	4.86	3.75	5.40	3.88	3.52	1.99	2.26
21	2.68	2.37	2.79	3.22	6.12	4.87	3.83	5.38	3.91	3.34	2.03	2.54
22	2.28	2.63	2.56	3.69	6.02	5.00	4.00	5.30	3.85	3.19	2.07	1.86
23	2.37	2.69	2.55	3.55	6.09	5.13	4.00	5.21	3.72	3.01	2.22	1.91
24	2.54	2.53	2.43	3.30	5.94	5.18	3.93	5.07	3.66	2.97	2.18	1.91
25	2.66	2.53	2.35	3.29	5.89	5.24	3.91	4.94	3.71	3.00	2.27	2.14
26	2.69	2.34	2.42	3.27	5.78	5.23	4.03	4.83	3.95	2.89	1.98	2.21
27	2.62	2.16	2.50	3.39	5.71	5.27	4.22	4.72	3.89	2.76	1.75	2.17
28	2.54	2.07	2.63	3.62	5.62	5.36	4.09	4.62	3.78	2.73	1.72	2.43
29	2.64	2.14	2.54	3.89	---	5.42	4.11	4.57	3.69	2.66	1.89	2.07
30	2.72	2.20	2.51	4.13	---	5.38	4.03	4.51	3.59	2.55	1.97	1.35
31	2.77	---	2.63	4.31	---	5.38	---	4.46	---	2.46	1.82	---
MAX	3.06	2.99	2.79	4.31	6.20	5.47	5.34	5.45	4.44	3.74	2.40	2.54
MIN	1.99	1.81	1.57	2.23	4.49	4.15	3.75	4.10	3.59	2.46	1.72	1.35

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 1998 TO SEPTEMBER 1999

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, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLI-FORM, TOTAL, IMMEDIATE (COLS./100 ML) (31501)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) (31673)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)
APR 13...	1400	259	7.43	21.0	40	--	6.1	1.1	140	93	K22	85
MAY 04...	1200	363	7.58	20.0	20	17	7.2	--	550	--	110	130
MAY 19...	1000	365	7.61	23.0	30	6.7	6.6	.9	<5	K40	K42	140
JUL 27...	1100	443	7.63	30.6	10	84	5.9	.2	K65	K34	--	150
SEP 09...	0930	524	8.05	29.5	0	19	7	--	K64	--	K7	190
DATE	CALCIUM DISSOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DISSOLVED (MG/L AS Mg) (00925)	SODIUM, DISSOLVED (MG/L AS Na) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD (MG/L AS CaCO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS Cl) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG C, SUSPENDED (MG/L) (00530)
APR 13...	23	6.7	16	2.4	63	29	22	.10	5.1	159	145	110
MAY 04...	35	11	18	2.6	101	42	24	.15	6.3	230	208	170
MAY 19...	38	12	15	2.6	98	41	21	.15	6.9	241	204	140
JUL 27...	40	13	24	3.6	118	53	25	.20	7.6	285	245	160
SEP 09...	49	16	31	4.2	150	72	27	.21	8.5	327	303	37

< 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 1998 TO SEPTEMBER 1999

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)	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)
APR 13...	<.01	.02	.58	.62	.04	.02	.57	E.30	.16	E.05	E.12	E.04
MAY 04...	<.01	.01	1.9	1.9	.05	<.01	--	E.23	.28	.05	E.19	.06
19...	<.01	<.01	--	1.9	.03	<.01	<.20	E.31	.17	E.05	.16	.06
JUL 27...	<.01	<.01	1.7	1.7	.02	<.01	.66	.25	.21	.08	.19	.08
SEP 09...	<.01	<.01	1.2	1.2	.03	<.01	.46	.27	.13	.10	E.17	E.11

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)
APR 13...	9.8	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
MAY 04...	4.8	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
19...	8.5	E.005	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
JUL 27...	6.9	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05
SEP 09...	4.7	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05

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)
APR 13...	<.05	<.05	<.05	E.027	<.05	<.05	<.05	<.05	E.042	<.05
MAY 04...	<.05	<.05	<.05	.071	<.05	<.05	E.040	.067	E.11	<.05
19...	<.05	<.05	<.05	.19	<.05	<.05	.062	.14	E.097	<.05
JUL 27...	<.05	<.05	<.05	E.024	E.020	E.011	.097	.19	E.068	<.05
SEP 09...	<.05	<.05	<.05	<.05	<.05	<.05	<.05	.087	<.20	<.05

< 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 1998 TO SEPTEMBER 1999

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)
APR 13...	<.05	.097	.24	.113	<.01	<.01	<.05	<.05	<.01	<.05
MAY 04...	E.019	.31	.79	.08	<.01	<.01	E.025	.14	<.01	<.05
19...	E.032	.44	1.19	.043	<.01	<.01	E.032	.141	<.01	<.05
JUL 27...	<.05	.23	.56	.06	<.01	<.01	E.012	E.036	<.01	<.05
SEP 09...	<.05	.082	.21	<.05	<.03	<.03	<.05	<.05	<.04	<.05

DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
------	--	--

APR 13...	1.6	<.1
MAY 04...	.6	<.1
19...	1.3	<.1
JUL 27...	1.4	<.1
SEP 09...	2.9	.2

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 08...	67000	132	24000	100
NOV 11...	91000	222	54000	100
DEC 10...	79000	168	36000	100
JAN 13...	118000	1114	355000	100
MAR 25...	213000	395	227000	70
APR 13...	171000	233	108000	98
MAY 04...	164000	303	134000	95
19...	224000	268	162000	85
JUN 23...	--	175	--	98
JUL 27...	112000	384	116000	100
SEP 01...	58000	153	24000	100
09...	68000	247	45000	100

< 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 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, 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, 12,100 ft³/s, Oct. 6; maximum elevation, 3.11 ft, May 11; maximum negative discharge, -4,870 ft³/s, Sept. 1; minimum elevation, 0.52 ft, Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3290	3090	1160	1280	2820	3690	5110	4050	2790	3310	2390	1050
2	2790	3200	1060	1480	2830	3670	4900	3620	2760	3310	2180	1400
3	2740	2190	1060	1340	2730	3700	3930	3740	2670	3150	2220	1200
4	2600	2030	856	1370	2900	3480	4750	4240	2550	3220	1920	1010
5	2570	1760	938	1200	3080	3590	4110	4750	2540	3220	1640	1150
6	3320	1310	961	1240	3060	3900	5000	5550	2320	2870	1600	1060
7	2090	1320	871	1260	3290	3680	3850	5200	2110	3080	1750	922
8	879	1300	815	1290	3270	4280	4010	4180	2130	2890	1470	1320
9	1930	1400	960	1530	3140	4880	5050	4630	1890	3030	1640	1230
10	2740	1680	944	1350	3290	4630	3950	4200	2060	3050	900	1390
11	3320	1320	968	1300	3380	4640	4630	4000	3040	3290	1410	1380
12	2620	1690	1030	1210	3940	4320	3790	3780	4830	2960	1560	1020
13	2930	1880	1210	1360	3700	5380	3480	4310	4440	2770	1530	1390
14	3410	1520	1150	1400	3640	5350	3860	4440	5310	2800	1620	1100
15	3620	1520	1180	1460	3740	4680	5190	4490	5050	2940	1790	942
16	3420	1290	1160	1400	3870	4800	3020	4580	5280	2760	1790	757
17	4240	1440	1150	1280	4010	4960	3380	4680	5180	2500	1590	548
18	4130	1590	1190	1500	4180	5220	3450	4930	5130	2330	1570	1040
19	3940	1380	1270	1400	4150	5620	3300	5560	4770	2230	1570	1200
20	3920	1290	1200	1570	4060	5720	3310	5190	4620	1700	1600	1500
21	3600	1190	1230	1370	4210	6170	2650	5210	4050	1760	1530	1660
22	3450	1670	1440	1800	3910	6050	2760	4920	3210	1740	1550	601
23	3320	1510	1580	2080	4010	5910	2970	5100	3700	1480	1530	347
24	3470	1360	1440	1830	3780	5930	3170	4220	3660	1290	1600	462
25	2980	1350	1460	2010	3700	6210	3030	4660	3730	1580	1710	1210
26	2900	1240	1270	2100	3720	6060	2890	4420	3830	1460	1390	1100
27	---	1200	1280	2210	3790	5180	3630	4160	3520	1570	1450	703
28	2630	1210	1330	2270	3860	5060	2890	4210	3300	1310	1840	722
29	2670	1130	1410	2340	---	4560	3250	3570	3420	1930	1170	576
30	3020	1230	1390	2600	---	4510	3290	3160	3220	2610	1660	163
31	2940	---	1350	2730	---	4980	---	2980	---	2590	1450	---
TOTAL	---	47290	36313	50560	100060	150810	112600	136730	107110	76730	50620	30153
MEAN	---	1576	1171	1631	3574	4865	3753	4411	3570	2475	1633	1005

MISSISSIPPI RIVER DELTA

073816503 BAYOU PENCHANT SOUTH OF MORGAN CITY, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.71	2.03	1.12	1.50	2.16	2.73	2.65	2.13	2.35	2.20	1.27	1.34
2	1.65	2.11	1.12	1.84	2.25	2.74	2.67	2.19	2.39	2.13	1.18	1.57
3	1.76	1.83	1.24	1.32	2.30	2.68	2.71	2.20	2.34	2.06	1.17	1.62
4	1.81	1.73	1.39	1.06	2.35	2.54	2.72	2.50	2.27	1.99	1.04	1.57
5	1.98	1.42	1.26	.99	2.38	2.60	2.70	2.78	2.23	1.94	1.29	1.49
6	2.09	1.18	1.43	1.28	2.41	2.46	2.63	2.77	2.18	1.86	1.36	1.41
7	2.00	1.15	1.49	1.39	2.47	2.25	2.50	2.60	2.15	1.89	1.45	1.33
8	1.53	1.30	1.30	1.42	2.49	2.38	2.44	2.58	2.16	1.96	1.51	1.47
9	1.45	1.41	.86	1.41	2.55	2.42	2.48	2.63	2.19	2.08	1.52	1.26
10	1.50	1.73	1.05	1.19	2.61	2.34	2.46	2.70	2.21	2.17	1.45	1.26
11	1.50	1.15	1.00	1.30	2.68	2.35	2.45	2.94	2.13	2.17	1.50	1.36
12	1.43	1.18	1.20	1.31	2.67	2.32	2.29	2.90	2.13	2.12	1.40	1.40
13	1.31	1.40	.80	1.50	2.61	2.57	2.27	2.85	2.13	2.09	1.22	1.43
14	1.39	1.69	.83	1.50	2.62	2.46	2.47	2.78	2.17	2.04	.96	1.38
15	1.46	1.67	.79	1.42	2.70	2.14	2.50	2.79	2.16	2.00	.94	1.15
16	1.72	1.60	.85	1.53	2.78	2.20	2.14	2.84	2.15	2.01	1.17	1.02
17	1.99	1.43	.93	1.63	2.91	2.26	2.06	2.85	2.12	1.98	1.17	.87
18	2.10	1.50	1.16	1.62	2.94	2.31	1.92	2.86	2.08	1.99	1.13	1.14
19	1.97	1.52	1.50	1.56	2.96	2.41	1.87	2.82	2.12	1.98	1.12	1.34
20	1.85	1.56	1.43	1.59	2.96	2.40	1.87	2.80	2.12	2.05	1.21	1.61
21	1.70	1.24	1.54	1.78	2.96	2.31	1.96	2.78	2.18	1.92	1.24	1.84
22	1.32	1.45	1.36	2.21	2.86	2.36	2.16	2.72	2.15	1.79	1.28	1.41
23	1.39	1.57	1.33	2.02	2.93	2.44	2.18	2.67	2.11	1.59	1.40	1.39
24	1.60	1.41	1.20	1.74	2.87	2.46	2.10	2.59	2.12	1.60	1.40	1.37
25	1.77	1.46	1.08	1.68	2.86	2.49	2.07	2.51	2.22	1.70	1.49	1.54
26	1.84	1.31	1.14	1.61	2.85	2.44	2.21	2.46	2.46	1.65	1.27	1.62
27	---	1.16	1.26	1.66	2.83	2.45	2.36	2.39	2.42	1.58	1.07	1.60
28	1.76	1.11	1.43	1.82	2.81	2.53	2.23	2.33	2.30	1.56	1.03	1.81
29	1.83	1.19	1.35	2.00	---	2.60	2.20	2.34	2.22	1.53	1.18	1.60
30	1.89	1.29	1.27	2.11	---	2.63	2.08	2.34	2.15	1.45	1.24	.97
31	1.94	---	1.44	2.10	---	2.64	---	2.32	---	1.40	1.15	---
MAX	---	2.11	1.54	2.21	2.96	2.74	2.72	2.94	2.46	2.20	1.52	1.84
MIN	---	1.11	.79	.99	2.16	2.14	1.87	2.13	2.08	1.40	.94	.87

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 fender 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, 11,500 ft³/s, June 15, 1999; maximum elevation, 5.01 ft, Sept. 12, 1998; maximum negative discharge, -6,670 ft³/s, May 11, 1999; minimum elevation, -1.50 ft, Nov. 16, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 11,500 ft³/s, June 15; maximum elevation, 3.66 ft, May 4; maximum negative discharge, -6,570 ft³/s, May 11; minimum elevation recorded, -1.44 ft, Mar. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	---	---	---	2210	2370	899	-632	2360	2660	1740	-1440
2	264	---	---	---	1400	869	1020	674	1840	2150	1570	-661
3	-8.8	---	---	---	1500	3680	-429	825	1530	919	1130	-267
4	-15	---	---	---	1780	1050	874	-1560	2070	1290	738	154
5	-453	---	---	---	766	-313	66	-363	2150	1560	1840	629
6	-404	---	---	---	626	1560	1660	2650	2210	2660	414	1120
7	1380	---	---	---	34	2070	1320	4290	1190	869	444	1010
8	1210	---	---	---	1360	-621	1370	1520	629	1130	884	1050
9	---	---	---	---	580	1040	57	227	210	1290	1480	1900
10	---	---	---	---	1110	1480	1240	-368	817	1830	1890	873
11	---	---	---	---	-140	934	1340	693	1790	1670	1470	243
12	---	---	---	---	3580	527	1700	2580	2110	2480	789	267
13	---	---	---	---	3100	-333	1270	2910	2540	2680	1560	428
14	---	---	---	---	2120	4340	-1080	3090	2670	2050	2600	278
15	---	---	---	---	497	5670	1620	2030	3090	2030	1900	527
16	---	---	---	1240	763	2450	4340	688	2800	539	64	-254
17	---	---	---	709	1190	1600	2130	457	3390	1060	12	-159
18	---	---	---	1740	1970	2370	1890	3140	2120	1100	617	305
19	---	---	---	1830	3220	1340	1280	2860	1250	922	476	-174
20	---	---	---	1600	2060	2210	1250	2730	-537	392	763	-97
21	---	---	---	-805	3570	3240	1130	1310	-1530	581	278	-308
22	---	---	---	-923	4040	1960	-623	1810	-379	1320	533	683
23	---	---	---	2640	453	1290	223	2440	684	2700	525	-482
24	---	---	---	2620	3080	1590	2320	3210	1080	2000	731	3.6
25	---	---	---	2190	1780	2310	1620	2160	984	2330	320	168
26	---	---	---	1660	1740	3530	-156	1750	1630	1890	1020	-351
27	---	---	---	1840	1140	1600	1440	2750	2460	2390	1680	78
28	---	---	---	1290	3270	-403	2160	2350	2830	2160	855	-963
29	---	---	---	246	---	822	3350	2380	3030	1880	1430	-164
30	---	---	---	807	---	1230	2070	1620	3280	1150	1080	276
31	---	---	---	4140	---	1610	---	2210	---	893	93	---
TOTAL	---	---	---	---	48799	53072	37351	52431	50298	50575	30926	4672.6
MEAN	---	---	---	---	1743	1712	1245	1691	1677	1631	998	156

MISSISSIPPI RIVER DELTA

07381695 GULF INTRACOASTAL WATERWAY AT CYPRE MORT, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.54	---	---	---	.82	.94	1.43	1.39	1.25	1.57	.66	1.35
2	1.47	---	---	---	1.22	1.50	1.52	1.39	1.54	1.50	.54	1.58
3	1.61	---	---	---	1.28	.22	2.10	1.48	1.29	1.32	.71	1.56
4	1.95	---	---	---	.96	1.30	1.80	2.66	1.14	1.16	.42	1.36
5	2.23	---	---	---	1.26	1.65	1.91	2.78	1.16	.96	.95	1.19
6	2.29	---	---	---	1.30	1.02	1.35	1.70	.97	.74	1.03	1.00
7	1.26	---	---	---	1.28	.54	1.13	1.07	1.11	1.10	1.15	.95
8	.55	---	---	---	.97	2.05	1.45	1.61	1.26	1.25	1.12	1.13
9	---	---	---	---	1.14	1.40	1.60	1.83	1.33	1.46	.93	.65
10	---	---	---	---	1.15	1.44	1.59	2.01	1.38	1.51	.75	.95
11	---	---	---	---	1.39	1.58	1.35	2.00	.99	1.35	1.01	1.23
12	---	---	---	---	-.64	1.58	.83	1.64	1.04	1.01	.89	1.28
13	---	---	---	---	-.34	2.07	1.30	1.27	.94	.93	.58	1.33
14	---	---	---	---	.51	-.30	2.41	1.19	.99	1.07	.19	1.03
15	---	---	---	---	1.14	-.72	.93	1.50	.87	1.21	.45	.70
16	---	---	---	1.08	1.24	.94	-.12	1.75	.87	1.35	.94	.75
17	---	---	---	1.34	1.27	1.12	.10	1.77	.82	1.23	.97	.63
18	---	---	---	.87	1.17	1.12	.28	1.40	.92	1.37	.77	.98
19	---	---	---	.94	.46	1.32	.52	1.08	1.32	1.26	.79	1.25
20	---	---	---	.92	1.18	.89	.66	1.28	1.46	1.50	.95	1.57
21	---	---	---	1.65	-.07	.12	1.25	1.25	1.68	1.19	.96	1.69
22	---	---	---	2.39	.59	1.01	1.96	1.02	1.45	.94	1.07	.94
23	---	---	---	.32	1.34	1.23	1.62	1.00	1.40	.44	1.22	1.29
24	---	---	---	.43	.67	1.03	1.10	.55	1.59	.70	1.15	1.30
25	---	---	---	.64	1.11	.66	1.19	.86	1.83	.98	1.27	1.75
26	---	---	---	.61	1.10	.11	1.90	.90	1.96	.87	.84	1.80
27	---	---	---	.80	1.30	.85	1.74	.61	1.75	.69	.53	1.66
28	---	---	---	1.24	.63	1.51	1.19	.64	1.42	.71	.66	2.07
29	---	---	---	1.59	---	1.16	1.03	.92	1.22	.83	.84	1.15
30	---	---	---	1.26	---	.96	.82	1.05	1.19	.86	.97	.56
31	---	---	---	.37	---	1.16	---	.97	---	.87	1.00	---
MAX	---	---	---	---	1.39	2.07	2.41	2.78	1.96	1.57	1.27	2.07
MIN	---	---	---	---	-.64	-.72	-.12	.55	.82	.44	.19	.56

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. Reverse flow: Nov. 13-15, 1922.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	63	166	650	1220	314	360	114	217	471	e191	105
2	140	84	156	735	1220	303	348	107	232	415	e193	106
3	131	87	147	831	1200	305	329	100	226	365	e192	104
4	138	87	139	879	1170	290	521	97	214	326	e186	102
5	135	86	126	881	1150	276	858	97	201	291	e178	100
6	130	83	118	861	1120	262	975	87	188	263	e170	99
7	141	80	116	858	1090	240	1000	75	164	234	e163	98
8	144	79	134	900	1060	240	981	69	111	210	e154	97
9	138	79	138	938	1030	424	952	62	101	193	e149	96
10	126	105	149	940	1000	431	919	85	98	184	e140	95
11	116	120	427	922	972	409	884	137	111	167	126	93
12	109	138	737	897	941	391	843	154	150	163	126	91
13	103	177	843	870	909	532	788	151	197	165	126	88
14	98	253	899	840	877	842	700	143	230	163	125	86
15	93	380	912	810	846	929	611	132	249	150	125	84
16	88	501	890	778	813	930	530	123	290	139	124	80
17	82	535	863	742	785	906	463	117	303	136	124	77
18	78	523	833	682	756	876	406	110	282	139	123	73
19	77	486	805	605	717	840	357	105	255	108	122	68
20	76	443	773	538	652	794	315	100	229	69	121	56
21	74	397	733	482	584	712	278	93	206	62	121	54
22	71	354	669	455	520	621	246	89	187	72	121	48
23	68	320	596	445	468	546	226	84	174	69	121	43
24	67	290	545	422	421	485	209	80	164	64	120	42
25	66	265	493	401	380	467	190	109	166	85	118	39
26	65	243	447	374	347	462	172	148	305	105	117	34
27	64	222	410	348	328	436	166	146	566	113	115	38
28	64	204	466	323	328	404	151	167	637	110	114	38
29	64	190	569	368	---	379	135	174	603	103	112	36
30	63	179	671	828	---	379	123	174	538	e135	110	21
31	62	---	691	1110	---	367	---	182	---	e163	107	---
TOTAL	3030	7053	15661	21713	22904	15792	15036	3611	7594	5432	4234	2191
MEAN	97.7	235	505	700	818	509	501	116	253	175	137	73.0
MAX	159	535	912	1110	1220	930	1000	182	637	471	193	106
MIN	62	63	116	323	328	240	123	62	98	62	107	21
AC-FT	6010	13990	31060	43070	45430	31320	29820	7160	15060	10770	8400	4350
CFSM	.41	.98	2.10	2.92	3.41	2.12	2.09	.49	1.05	.73	.57	.30
IN.	.47	1.09	2.43	3.37	3.55	2.45	2.33	.56	1.18	.84	.66	.34

e Estimated

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1999, BY WATER YEAR (WY)

MEAN	193	305	519	651	689	649	619	553	333	271	226	190
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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1923 - 1999			
ANNUAL TOTAL			158882			124251						
ANNUAL MEAN			435			340			435			
HIGHEST ANNUAL MEAN									720 1983			
LOWEST ANNUAL MEAN									178 1981			
HIGHEST DAILY MEAN			1680 Jan 15			1220 Feb 1			25000 May 19 1953			
LOWEST DAILY MEAN			47 Jun 18			21 Sep 30			.00 Nov 13 1922			
ANNUAL SEVEN-DAY MINIMUM			53 Jun 12			35 Sep 24			31 Jan 10 1959			
INSTANTANEOUS PEAK FLOW						1230 Feb 1			28200 May 18 1953			
INSTANTANEOUS PEAK STAGE						16.73 Feb 1			26.72 May 18 1953			
INSTANTANEOUS LOW FLOW						20 Sep 30						
INSTANTANEOUS LOW STAGE						4.35 Sep 30						
ANNUAL RUNOFF (AC-FT)			315100			246500			315200			
ANNUAL RUNOFF (CFSM)			1.81			1.42			1.81			
ANNUAL RUNOFF (INCHES)			24.63			19.26			24.64			
10 PERCENT EXCEEDS			1060			866			975			
50 PERCENT EXCEEDS			175			190			273			
90 PERCENT EXCEEDS			66			78			86			

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.60	4.94	6.71	12.12	16.65	8.69	9.07	5.89	7.44	10.42	---	5.84
2	6.32	5.37	6.55	12.86	16.68	8.56	8.95	5.76	7.64	9.83	---	5.85
3	6.16	5.42	6.41	13.67	16.50	8.58	8.74	5.64	7.56	9.30	---	5.82
4	6.29	5.42	6.29	14.07	16.34	8.40	10.52	5.59	7.40	8.83	---	5.80
5	6.23	5.40	6.09	14.09	16.15	8.22	13.33	5.59	7.22	8.41	---	5.76
6	6.15	5.34	5.96	13.93	15.94	8.04	14.28	5.41	7.04	8.05	---	5.74
7	6.33	5.27	5.92	13.90	15.73	7.76	14.49	5.19	6.68	7.68	---	5.73
8	6.38	5.27	6.22	14.24	15.50	7.73	14.32	5.06	5.84	7.35	---	5.72
9	6.28	5.27	6.28	14.54	15.27	9.69	14.09	4.93	5.67	7.10	---	5.70
10	6.08	5.72	6.45	14.56	15.04	9.76	13.83	5.35	5.62	6.97	---	5.67
11	5.91	5.98	9.88	14.41	14.81	9.55	13.55	6.27	5.84	6.73	6.16	5.64
12	5.79	6.28	12.88	14.21	14.56	9.38	13.21	6.53	6.47	6.67	6.16	5.61
13	5.69	6.87	13.78	14.00	14.31	10.64	12.77	6.48	7.16	6.70	6.16	5.57
14	5.61	7.91	14.23	13.76	14.06	13.21	12.07	6.36	7.62	6.67	6.16	5.54
15	5.53	9.44	14.33	13.50	13.80	13.91	11.35	6.18	7.87	6.46	6.14	5.49
16	5.43	10.71	14.16	13.24	13.53	13.92	10.66	6.04	8.40	6.29	6.13	5.43
17	5.31	11.04	13.94	12.93	13.30	13.73	10.06	5.93	8.55	6.25	6.13	5.37
18	5.24	10.93	13.69	12.40	13.05	13.49	9.52	5.82	8.30	6.29	6.12	5.30
19	5.22	10.56	13.47	11.70	12.71	13.20	9.05	5.73	7.95	5.79	6.10	5.21
20	5.19	10.13	13.19	11.08	12.14	12.81	8.59	5.64	7.61	5.06	6.09	5.00
21	5.15	9.64	12.85	10.52	11.51	12.16	8.18	5.53	7.29	4.93	6.09	4.97
22	5.09	9.17	12.29	10.25	10.90	11.43	7.81	5.45	7.02	5.12	6.09	4.85
23	5.04	8.76	11.63	10.15	10.38	10.80	7.56	5.36	6.84	5.06	6.08	4.76
24	5.02	8.40	11.14	9.90	9.90	10.26	7.33	5.27	6.68	4.96	6.07	4.72
25	5.00	8.08	10.63	9.68	9.46	10.10	7.06	5.79	6.71	5.38	6.05	4.68
26	4.98	7.79	10.17	9.40	9.08	10.05	6.80	6.44	8.48	5.74	6.02	4.60
27	4.97	7.51	9.78	9.10	8.86	9.81	6.72	6.41	11.34	5.87	5.99	4.66
28	4.96	7.27	10.36	8.80	8.86	9.51	6.48	6.73	12.01	5.82	5.97	4.65
29	4.96	7.07	11.37	9.27	---	9.26	6.24	6.84	11.69	5.70	5.94	4.63
30	4.94	6.90	12.31	13.64	---	9.27	6.04	6.83	11.07	---	5.92	4.37
31	4.93	---	12.48	15.84	---	9.15	---	6.95	---	---	5.87	---
MAX	6.60	11.04	14.33	15.84	16.68	13.92	14.49	6.95	12.01	---	---	5.85
MIN	4.93	4.94	5.92	8.80	8.86	7.73	6.04	4.93	5.62	---	---	4.37

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.--53 years, 1,120 ft³/s, 807,600 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, 4,240 ft³/s, Feb. 6, elevation, 24.10 ft; maximum elevation, 26.46 ft, Mar. 15, minimum discharge, unknown, minimum elevation, 16.29 ft, Dec. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e350	e150	e200	1670	3780	663	838	e127	402	597	e340	e130
2	e190	e170	e170	2250	3960	660	694	e115	447	506	e320	e110
3	e230	e130	e200	3120	4110	616	601	e110	391	435	e280	e92
4	e200	e100	e190	3040	4180	571	1040	e120	270	389	e250	e86
5	e180	e92	e160	2830	4220	540	2700	e140	e290	344	e220	e88
6	e250	e90	e140	2540	4220	598	3070	e130	e230	e300	e190	e93
7	e300	e98	e155	2780	4130	517	3010	e110	e190	e270	e175	e94
8	e290	e92	e145	3100	3960	436	2740	e90	e150	e240	e160	e100
9	e280	e170	e180	3250	3630	874	2480	e110	e120	e210	e180	e96
10	e250	e250	224	3390	3120	1020	2220	e150	e150	e200	e150	e92
11	e200	e400	1170	3420	2540	777	1970	e250	e200	e220	e125	e86
12	e150	e600	2780	3210	2070	970	1630	e240	e250	389	e98	e96
13	e120	e1000	3160	2780	1800	2490	1290	e220	352	925	e96	e94
14	e130	1520	3140	2190	1620	3350	1050	e200	556	522	e110	e92
15	e120	2960	3030	1660	1430	3510	853	e180	876	e350	e105	e88
16	e110	2840	2860	1350	1280	3690	694	e140	898	e160	e130	e84
17	e96	2630	2630	1180	1430	3730	544	e130	747	e300	e125	e80
18	e90	2310	2410	1060	1770	3550	445	e120	559	e280	e140	e76
19	e98	1910	2270	966	1520	3140	418	e113	453	e160	e130	e72
20	e115	1600	2050	899	1270	2460	372	e105	329	e80	e120	e62
21	e107	1340	1720	763	1040	1760	318	e100	e250	e90	e135	e70
22	e96	1110	1400	1000	757	1220	237	e96	e210	e100	e160	e64
23	e82	905	1130	2370	615	930	e250	e110	e190	e82	e130	e45
24	e76	662	999	1950	515	785	e230	e150	e170	e90	e125	e50
25	e86	452	1040	1420	439	683	e210	e230	e220	e150	e120	e42
26	e80	363	952	1070	404	762	e180	e200	308	e140	e130	e37
27	e76	306	813	804	412	734	e200	e170	1080	e130	e125	e50
28	e72	e270	1870	674	550	559	e170	362	1020	e115	e120	e46
29	e80	e240	2700	687	---	501	e150	308	905	e110	e115	e40
30	e74	e220	2400	2620	---	699	e140	e270	774	e150	e110	e37
31	e80	---	2030	3570	---	897	---	e240	---	e350	e140	---
TOTAL	4658	24980	44318	63613	60772	43692	30744	5136	12987	8384	4854	2292
MEAN	150	833	1430	2052	2170	1409	1025	166	433	270	157	76.4
MAX	350	2960	3160	3570	4220	3730	3070	362	1080	925	340	130
MIN	72	90	140	674	404	436	140	90	120	80	96	37
AC-FT	9240	49550	87900	126200	120500	86660	60980	10190	25760	16630	9630	4550

e Estimated

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION, IN FEET SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.44	18.29	17.23	19.63	24.00	17.97	18.88	18.52	18.95	18.68	18.31	18.31
2	18.47	18.35	16.55	20.91	24.16	18.47	18.72	18.50	18.69	18.66	18.38	18.34
3	18.47	18.35	16.57	23.43	24.18	18.56	18.66	18.47	18.49	18.61	18.40	18.34
4	18.47	18.35	16.78	23.52	24.21	18.57	18.99	18.46	18.47	18.63	18.39	18.34
5	18.46	18.34	16.74	22.80	24.16	18.64	21.17	18.46	18.47	18.57	18.37	18.33
6	18.49	18.33	16.82	21.71	24.01	18.69	21.97	18.46	18.44	18.52	18.37	18.31
7	17.94	18.33	16.67	23.92	23.83	18.61	21.88	18.45	18.50	18.49	18.37	18.31
8	18.21	18.34	16.57	26.02	23.51	18.50	21.56	18.43	18.51	18.55	18.36	18.34
9	18.45	18.34	16.93	26.17	22.91	18.84	21.06	18.41	18.51	18.56	18.35	18.38
10	18.44	18.45	16.80	25.74	21.95	19.19	20.61	18.44	18.52	18.57	18.35	18.33
11	18.45	18.52	17.83	24.90	20.82	18.84	20.15	18.55	18.60	18.58	18.36	18.35
12	18.44	18.39	20.72	23.81	19.89	18.87	19.77	18.59	18.52	18.72	18.36	18.37
13	18.42	18.29	21.86	22.45	19.36	22.41	19.31	18.55	18.66	19.37	18.37	18.32
14	18.42	19.97	21.94	20.86	19.04	26.08	18.99	18.56	18.79	18.77	18.36	18.27
15	18.42	22.50	21.64	19.35	18.80	26.42	18.78	18.48	19.16	18.55	18.33	18.25
16	18.43	23.09	21.14	18.71	18.61	26.17	18.73	18.44	19.06	18.58	18.32	18.27
17	18.43	22.56	20.67	18.56	18.84	25.50	18.60	18.50	18.79	18.49	18.33	18.28
18	18.43	21.49	20.26	18.37	19.84	24.60	18.47	18.51	18.63	18.46	18.33	18.25
19	18.41	20.57	19.90	18.48	19.50	23.43	18.46	18.49	18.56	18.60	18.33	18.25
20	18.39	19.90	19.49	18.07	18.97	21.99	18.61	18.46	18.53	18.60	18.32	18.32
21	18.39	19.47	18.80	17.99	18.57	20.66	18.61	18.44	18.45	18.50	18.33	18.32
22	18.37	19.30	18.10	18.51	18.22	19.72	18.59	18.44	18.40	18.52	18.33	18.26
23	18.36	19.04	17.72	21.71	18.00	19.29	18.56	18.40	18.59	18.44	18.32	18.22
24	18.37	18.75	17.82	21.46	17.84	18.87	18.50	18.38	18.42	18.47	18.33	18.17
25	18.36	18.66	17.83	20.13	17.70	18.73	18.47	18.38	18.46	18.53	18.29	18.13
26	18.35	18.60	17.83	18.63	17.54	18.92	18.47	18.39	18.75	18.50	18.29	18.14
27	18.34	18.62	17.46	18.07	17.37	18.82	18.50	18.43	19.32	18.46	18.30	18.15
28	18.33	18.48	20.39	18.08	17.43	18.65	18.52	18.63	19.04	---	18.29	18.16
29	18.33	18.19	22.75	17.54	---	18.57	18.50	18.68	19.03	18.46	18.29	18.27
30	18.32	17.81	22.48	20.99	---	18.74	18.49	18.56	18.81	18.43	18.29	18.28
31	18.31	---	21.23	23.48	---	18.91	---	18.72	---	18.40	18.27	---
MEAN	18.38	19.19	18.89	21.10	20.47	20.33	19.29	18.49	18.67	---	18.34	18.28
MAX	18.49	23.09	22.75	26.17	24.21	26.42	21.97	18.72	19.32	---	18.40	18.38
MIN	17.94	17.81	16.55	17.54	17.37	17.97	18.46	18.38	18.40	---	18.27	18.13

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. No gage-height record: Oct. 11-14, July 9-18, and July 28 to Aug. 10. 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.--56 years, 439 ft³/s, 318,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft³/s, May 18, 1953, gage height, 22.68 ft, present datum; minimum, 2.7 ft³/s, Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,110 ft³/s, Jan. 30, gage height, 17.08 ft; minimum 3.7 ft³/s, Sep. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	15	110	725	1650	509	343	186	543	233	e43	24
2	43	18	105	871	1670	432	265	175	455	160	e46	33
3	42	19	100	1010	1690	379	209	123	315	115	e39	49
4	40	21	95	977	1820	310	890	114	202	92	e32	43
5	39	39	89	990	1790	254	1300	130	128	74	e26	41
6	41	31	85	989	1730	215	1100	143	79	65	e24	45
7	63	20	85	1090	1680	184	1060	130	55	74	e19	47
8	52	15	108	1210	1620	168	1010	101	71	69	e17	48
9	50	13	263	1120	1550	600	941	58	92	e57	e24	54
10	50	17	281	1070	1470	737	879	46	115	e46	e36	57
11	e41	25	854	1020	1390	583	804	167	122	e40	37	68
12	e32	36	1170	958	1320	449	679	296	374	e36	34	71
13	e28	37	1130	892	1240	816	479	368	517	e33	49	56
14	e25	433	1090	816	1170	1170	323	268	795	e31	58	43
15	22	1020	1080	688	1100	1100	226	188	810	e54	45	37
16	21	995	1060	483	1030	1090	176	122	437	e40	39	32
17	21	930	1020	342	1040	1030	153	96	295	e28	39	26
18	18	926	967	270	985	969	137	88	229	e51	32	21
19	18	905	925	235	872	896	115	68	183	141	26	17
20	20	856	855	205	756	799	130	51	131	105	27	10
21	20	793	773	188	566	604	140	56	92	72	27	5.4
22	16	676	611	408	396	401	149	54	209	68	27	4.6
23	13	477	423	1000	285	282	102	67	396	67	22	5.0
24	16	328	332	803	282	230	81	63	90	69	17	5.0
25	15	237	303	701	292	543	97	61	95	68	13	4.8
26	14	187	278	556	227	539	92	53	369	76	24	6.4
27	13	158	240	424	195	384	155	49	921	83	32	7.8
28	13	141	552	326	356	297	148	126	660	e62	30	5.9
29	14	127	809	345	---	244	155	292	478	e44	45	5.5
30	16	117	809	1830	---	276	186	242	333	e36	41	11
31	16	---	792	1810	---	328	---	512	---	e31	30	---
TOTAL	878	9612	17394	24352	30172	16818	12524	4493	9591	2220	1000	883.4
MEAN	28.3	320	561	786	1078	543	417	145	320	71.6	32.3	29.4
MAX	63	1020	1170	1830	1820	1170	1300	512	921	233	58	71
MIN	13	13	85	188	195	168	81	46	55	28	13	4.6
AC-FT	1740	19070	34500	48300	59850	33360	24840	8910	19020	4400	1980	1750

CAL YR 1998 TOTAL 155323.6 MEAN 426 MAX 1950 MIN 13 AC-FT 308100
WTR YR 1999 TOTAL 129937.4 MEAN 356 MAX 1830 MIN 4.6 AC-FT 257700

e Estimated

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.85	1.33	2.39	6.86	12.58	5.52	4.36	3.09	5.74	3.48	---	1.42
2	1.81	1.39	2.34	8.31	11.87	5.01	3.75	2.99	5.16	2.85	---	1.55
3	1.79	1.40	2.29	8.79	11.94	4.63	3.29	2.51	4.14	2.43	---	1.75
4	1.76	1.43	2.24	8.33	12.67	4.10	7.81	2.42	3.22	2.21	---	1.66
5	1.74	1.73	2.18	8.40	12.25	3.66	10.56	2.58	2.56	2.02	---	1.65
6	1.77	1.61	2.13	8.40	12.01	3.33	9.04	2.71	2.07	1.93	---	1.69
7	2.09	1.43	2.14	9.39	11.82	3.07	8.80	2.58	1.81	2.02	---	1.71
8	1.94	1.32	2.36	10.59	11.59	2.93	8.51	2.30	1.98	1.97	---	1.73
9	1.90	1.30	3.73	9.31	11.26	6.02	8.12	1.84	2.21	---	---	1.80
10	1.91	1.35	3.88	8.84	10.91	6.94	7.76	1.70	2.43	---	---	1.84
11	---	1.51	7.63	8.55	10.55	5.99	7.33	2.89	2.50	---	1.59	1.95
12	---	1.69	9.91	8.22	10.17	5.13	6.58	3.99	4.55	---	1.56	1.99
13	---	1.71	9.25	7.84	9.79	8.84	5.32	4.55	5.57	---	1.74	1.82
14	---	4.75	8.95	7.40	9.40	12.00	4.20	3.77	7.24	---	1.84	1.67
15	1.45	9.12	8.93	6.64	9.02	9.70	3.43	3.10	7.35	---	1.69	1.60
16	1.44	8.48	8.82	5.35	8.63	8.96	3.00	2.50	5.03	---	1.62	1.54
17	1.43	8.06	8.59	4.35	8.76	8.63	2.80	2.24	3.98	---	1.62	1.45
18	1.39	8.04	8.27	3.79	8.37	8.28	2.65	2.17	3.46	---	1.53	1.38
19	1.38	7.91	8.03	3.50	7.72	7.86	2.44	1.95	3.06	2.68	1.45	1.32
20	1.43	7.64	7.63	3.25	7.05	7.30	2.58	1.76	2.58	2.34	1.46	1.22
21	1.42	7.27	7.15	3.10	5.88	6.12	2.67	1.83	2.21	2.00	1.47	1.13
22	1.34	6.56	6.16	4.61	4.75	4.78	2.76	1.80	3.09	1.95	1.46	1.12
23	1.28	5.31	4.94	8.47	3.91	3.88	2.30	1.94	4.64	1.94	1.40	1.13
24	1.34	4.24	4.28	7.33	3.88	3.46	2.09	1.90	2.19	1.96	1.32	1.12
25	1.34	3.52	4.05	6.72	3.96	5.70	2.26	1.87	2.24	1.95	1.26	1.12
26	1.31	3.09	3.85	5.82	3.44	5.71	2.21	1.79	4.33	2.04	1.42	1.15
27	1.29	2.84	3.54	4.95	3.17	4.67	2.81	1.75	8.01	2.11	1.53	1.18
28	1.29	2.68	5.72	4.23	4.44	4.00	2.74	2.49	6.47	---	1.51	1.14
29	1.32	2.55	7.36	4.34	---	3.58	2.81	3.97	5.32	---	1.70	1.14
30	1.34	2.46	7.36	15.47	---	3.84	3.09	3.56	4.28	---	1.65	1.23
31	1.35	---	7.26	15.06	---	4.25	---	5.53	---	---	1.51	---
MAX	---	9.12	9.91	15.47	12.67	12.00	10.56	5.53	8.01	---	---	1.99
MIN	---	1.30	2.13	3.10	3.17	2.93	2.09	1.70	1.81	---	---	1.12

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 heights only).

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, 16.86 ft, Mar. 17; minimum, 11.09 ft, Sept. 25.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.80	11.46	12.54	14.67	14.95	14.36	14.25	12.55	12.86	13.65	12.05	11.42
2	12.70	11.48	12.40	14.79	15.07	14.19	14.17	12.57	13.05	13.46	12.03	11.42
3	12.59	11.46	12.28	15.23	15.14	14.10	14.05	12.58	13.17	13.29	12.03	11.38
4	12.51	11.44	12.18	15.42	15.18	13.96	13.89	12.55	13.16	13.13	11.98	11.38
5	12.43	11.42	12.09	15.45	15.23	13.84	13.84	12.52	13.04	12.99	11.93	11.42
6	12.51	11.41	12.01	15.39	15.31	13.77	13.96	12.52	12.90	12.86	11.88	11.42
7	13.22	11.39	11.95	15.92	15.29	13.64	13.96	12.54	12.79	12.72	11.82	11.45
8	13.26	11.39	11.92	16.46	15.22	13.50	13.80	12.47	12.68	12.57	11.78	11.55
9	13.09	11.39	11.87	16.56	15.13	13.44	13.68	12.38	12.60	12.47	11.73	11.60
10	12.94	11.43	11.86	16.52	15.06	13.42	13.57	12.37	12.54	12.44	11.68	11.55
11	12.80	11.47	11.98	16.45	15.00	13.43	13.47	12.50	12.51	12.39	11.63	11.49
12	12.66	11.47	12.83	16.35	14.92	13.44	13.31	12.62	12.52	12.44	11.62	11.44
13	12.54	11.50	14.06	16.20	14.87	14.46	13.15	12.80	12.47	13.04	11.59	11.40
14	12.45	11.67	14.41	15.96	14.88	16.32	13.04	12.93	12.42	13.39	11.57	11.37
15	12.37	12.87	14.47	15.66	14.91	16.66	12.95	12.96	12.37	13.42	11.57	11.33
16	12.29	14.04	14.42	15.32	14.95	16.81	12.85	12.92	12.33	13.33	11.54	11.31
17	12.21	14.43	14.27	14.99	15.03	16.84	12.83	12.85	12.30	13.21	11.52	11.29
18	12.15	14.55	14.07	14.65	15.18	16.81	12.73	12.79	12.26	13.12	11.49	11.25
19	12.08	14.51	13.96	14.33	15.29	16.78	12.59	12.72	12.21	12.99	11.47	11.22
20	12.01	14.37	13.87	14.13	15.32	16.72	12.49	12.66	12.17	12.88	11.45	11.20
21	11.94	14.16	13.79	13.97	15.29	16.61	12.40	12.64	12.11	12.80	11.47	11.18
22	11.88	13.95	13.67	13.95	15.24	16.45	12.32	12.61	12.05	12.72	11.46	11.15
23	11.82	13.72	13.51	14.35	15.17	16.25	12.26	12.59	12.08	12.62	11.43	11.12
24	11.76	13.51	13.38	14.66	15.08	15.99	12.21	12.56	12.23	12.52	11.42	11.11
25	11.72	13.33	13.33	14.76	14.97	15.68	12.15	12.51	12.59	12.46	11.41	11.11
26	11.69	13.17	13.33	14.76	14.85	15.32	12.11	12.47	13.25	12.37	11.45	11.12
27	11.65	13.03	13.35	14.67	14.70	15.00	12.09	12.43	13.84	12.28	11.50	11.12
28	11.60	12.90	14.04	14.45	14.54	14.69	12.21	12.44	14.00	12.20	11.53	11.13
29	11.56	12.77	14.92	14.30	---	14.43	12.41	12.51	13.94	12.14	11.53	11.24
30	11.52	12.65	14.90	14.31	---	14.33	12.50	12.57	13.81	12.11	11.49	11.27
31	11.49	---	14.82	14.72	---	14.29	---	12.65	---	12.08	11.44	---
MAX	13.26	14.55	14.92	16.56	15.32	16.84	14.25	12.96	14.00	13.65	12.05	11.60
MIN	11.49	11.39	11.86	13.95	14.54	13.42	12.09	12.37	12.05	12.08	11.41	11.11

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: Jan. 7-12. 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.--50 years, 896 ft³/s, 649,150 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, 1,950 ft³/s, Jan. 7; maximum elevation, 20.13 ft, Jan. 8; minimum discharge, 704 ft³/s, Dec. 3; minimum elevation, 12.63 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	967	1000	849	990	1200	775	1010	e1030	e1240	982	945	927
2	980	1010	747	1110	1200	879	1010	e1040	e1110	986	948	933
3	983	1010	706	1330	1180	916	1000	e1040	e1060	980	954	934
4	984	1010	746	1280	1170	914	1010	e1030	e1030	985	950	944
5	979	1000	748	1220	1170	932	1060	e1030	e1030	981	944	940
6	1010	1000	756	1130	1140	937	1110	e1020	e1020	976	942	935
7	998	1000	755	1590	1120	926	1100	e1020	e1020	968	947	959
8	925	1010	740	1040	1090	915	1110	e1020	e1030	977	948	967
9	963	1010	756	850	1050	925	1090	e1010	e1030	982	947	944
10	975	1020	756	883	982	961	1070	e1030	e1030	980	944	933
11	974	1030	767	882	921	984	1040	e1060	e1040	980	946	931
12	973	1020	902	e1410	869	1050	1040	e1060	e1030	989	947	934
13	971	1010	1040	1620	841	1340	1020	e1030	e1060	1040	948	934
14	974	1070	1080	1320	826	1820	1010	e1030	e1060	1000	947	928
15	974	1200	1060	1050	822	1750	999	e1020	e1100	965	942	923
16	973	1230	1010	914	818	1630	1000	e1010	e1210	972	939	921
17	974	1210	967	893	892	1490	994	e1010	e1150	967	941	925
18	974	1150	936	868	921	1390	981	e1020	985	960	942	924
19	972	1110	911	900	911	1300	973	e1010	974	976	942	921
20	967	1090	888	860	881	1220	999	e1020	972	981	941	928
21	967	1080	851	850	857	1150	1010	e1020	971	978	942	933
22	972	1090	803	877	840	1100	1010	e1020	962	977	942	922
23	999	1070	773	1060	827	1060	e1060	e1020	983	965	940	904
24	1010	1040	826	1100	810	1030	e1050	e1010	974	1000	941	905
25	1010	1040	825	996	795	1000	e1030	e1010	1010	1020	940	904
26	1010	1030	834	858	775	1020	e1030	e1020	1220	985	935	902
27	1010	1040	811	815	751	1020	e1040	e1020	1200	974	930	904
28	1010	1020	1020	851	739	1000	e1040	e1040	1030	972	926	908
29	1010	988	1220	779	---	998	e1030	e1070	1010	973	924	932
30	1010	929	1200	897	---	1010	e1030	e1060	996	964	924	926
31	1010	---	1120	1130	---	1010	---	e1120	---	958	924	---
TOTAL	30508	31517	27403	32353	26398	34452	30956	31950	31537	30393	29172	27825
MEAN	984	1051	884	1044	943	1111	1032	1031	1051	980	941	928
MAX	1010	1230	1220	1620	1200	1820	1110	1120	1240	1040	954	967
MIN	925	929	706	779	739	775	973	1010	962	958	924	902
AC-FT	60510	62510	54350	64170	52360	68340	61400	63370	62550	60280	57860	55190

e Estimated

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.77	13.92	13.26	13.87	14.99	13.29	13.97	---	---	13.84	13.68	13.60
2	13.83	13.96	12.82	14.38	14.99	13.74	13.94	---	---	13.86	13.69	13.63
3	13.84	13.96	12.64	15.29	14.92	13.91	13.92	---	---	13.83	13.72	13.64
4	13.85	13.95	12.81	15.09	14.89	13.90	13.95	---	---	13.85	13.70	13.68
5	13.83	13.93	12.82	14.82	14.87	13.97	14.17	---	---	13.84	13.68	13.66
6	13.96	13.93	12.86	14.47	14.77	13.99	14.36	---	---	13.81	13.67	13.64
7	13.91	13.93	12.85	17.89	14.69	13.95	14.35	---	---	13.78	13.69	13.74
8	13.60	13.94	12.79	20.06	14.57	13.90	14.38	---	---	13.82	13.69	13.77
9	13.76	13.95	12.85	19.98	14.43	13.94	14.30	---	---	13.84	13.69	13.68
10	13.81	14.00	12.85	19.47	14.16	14.08	14.20	---	---	13.83	13.68	13.63
11	13.80	14.06	12.90	18.68	13.92	14.17	14.09	---	---	13.83	13.69	13.62
12	13.80	14.01	13.49	17.69	13.70	14.43	14.07	---	---	13.87	13.69	13.64
13	13.79	13.95	14.09	16.56	13.58	15.52	14.02	---	---	14.09	13.69	13.63
14	13.80	14.20	14.25	15.45	13.51	17.30	13.97	---	---	13.94	13.69	13.61
15	13.81	14.75	14.16	14.44	13.49	17.01	13.91	---	---	13.77	13.67	13.59
16	13.80	14.86	13.97	13.90	13.48	16.51	13.93	---	---	13.80	13.66	13.58
17	13.80	14.79	13.78	13.81	13.79	15.98	13.89	---	---	13.78	13.66	13.60
18	13.81	14.56	13.64	13.70	13.92	15.55	13.83	---	13.85	13.75	13.67	13.59
19	13.80	14.38	13.53	13.84	13.88	15.18	13.80	---	13.81	13.81	13.67	13.58
20	13.78	14.28	13.43	13.66	13.76	14.82	13.91	---	13.80	13.84	13.67	13.61
21	13.78	14.24	13.27	13.62	13.65	14.54	13.96	---	13.79	13.82	13.67	13.63
22	13.80	14.28	13.06	13.73	13.57	14.32	13.96	---	13.75	13.82	13.67	13.58
23	13.91	14.22	12.93	14.46	13.52	14.16	---	---	13.84	13.77	13.66	13.51
24	13.94	14.09	13.16	14.61	13.44	14.02	---	---	13.81	13.92	13.66	13.51
25	13.95	14.06	13.16	14.22	13.37	13.93	---	---	13.95	14.00	13.66	13.51
26	13.95	14.05	13.20	13.65	13.29	14.01	---	---	14.85	13.85	13.64	13.50
27	13.95	14.07	13.10	13.46	13.19	14.00	---	---	14.77	13.81	13.62	13.50
28	13.95	14.01	13.99	13.62	13.13	13.93	---	---	14.06	13.80	13.60	13.52
29	13.95	13.87	14.83	13.30	---	13.91	---	---	13.95	13.80	13.59	13.62
30	13.94	13.61	14.75	13.81	---	13.94	---	---	13.90	13.77	13.59	13.60
31	13.94	---	14.41	14.73	---	13.97	---	---	---	13.74	13.59	---
MAX	13.96	14.86	14.83	20.06	14.99	17.30	---	---	---	14.09	13.72	13.77
MIN	13.60	13.61	12.64	13.30	13.13	13.29	---	---	---	13.74	13.59	13.50

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 Glaises 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, June 26-27.

AVERAGE DISCHARGE.--40 years, 491 ft³/s, 355,730 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, 1988, and 1999.

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, 1,770 ft³/s, Jan. 9, gage height, 12.51 ft; minimum discharge, 146 ft³/s, Aug. 30, gage height, 9.41 ft, Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	315	241	416	600	278	236	210	631	276	340	176
2	299	294	188	564	621	343	239	215	428	267	338	172
3	307	280	179	614	612	474	227	217	332	258	345	166
4	330	275	291	607	613	381	236	215	279	257	309	169
5	321	270	321	559	602	357	237	216	255	256	290	172
6	421	262	322	511	597	349	277	229	242	246	275	181
7	506	267	336	1150	572	328	274	211	230	232	277	183
8	339	271	331	1690	434	303	267	203	229	221	279	205
9	310	277	324	1750	403	341	269	203	225	235	282	200
10	312	296	345	1680	404	304	257	244	252	246	276	180
11	316	300	345	1590	369	407	255	418	255	237	274	175
12	317	288	425	1410	352	794	238	237	236	232	267	181
13	310	285	468	1210	311	1020	227	206	252	254	272	186
14	308	361	515	1020	292	1260	222	195	276	253	275	188
15	314	415	513	830	292	1240	238	189	370	232	270	181
16	315	423	486	691	298	1080	214	189	403	238	266	173
17	315	418	442	631	409	963	210	189	461	240	274	183
18	319	388	375	623	443	905	197	203	291	257	280	185
19	319	357	372	612	398	849	190	197	254	269	278	174
20	318	339	359	618	362	793	199	194	241	261	278	168
21	314	330	343	586	333	743	205	194	270	262	287	161
22	301	376	327	598	293	554	203	195	228	257	290	e160
23	301	354	289	622	310	290	216	195	216	320	288	e152
24	316	333	324	583	312	264	219	195	215	451	295	e152
25	323	314	316	554	304	250	215	197	368	424	298	155
26	331	313	315	477	300	236	216	211	e702	352	285	163
27	333	313	315	407	293	235	233	249	e633	336	195	168
28	333	312	400	399	291	239	222	258	393	361	174	172
29	334	288	524	400	---	242	224	303	318	359	152	266
30	334	266	540	409	---	245	212	397	298	336	141	207
31	334	---	487	518	---	240	---	481	---	338	143	---
TOTAL	10134	9580	11358	24329	11420	16307	6874	7255	9783	8763	8293	5354
MEAN	327	319	366	785	408	526	229	234	326	283	268	178
MAX	506	423	540	1750	621	1260	277	481	702	451	345	266
MIN	284	262	179	399	291	235	190	189	215	221	141	152
AC-FT	20100	19000	22530	48260	22650	32340	13630	14390	19400	17380	16450	10620

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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.14	10.18	10.07	10.31	10.53	10.15	10.12	10.10	10.57	10.12	10.22	9.98
2	10.16	10.15	9.98	10.48	10.55	10.24	10.13	10.11	10.35	10.11	10.22	9.98
3	10.17	10.13	9.96	10.54	10.54	10.39	10.11	10.10	10.23	10.10	10.23	9.97
4	10.20	10.12	10.15	10.54	10.54	10.28	10.13	10.10	10.16	10.09	10.18	9.97
5	10.19	10.11	10.19	10.48	10.53	10.25	10.13	10.10	10.12	10.09	10.16	9.98
6	10.31	10.10	10.19	10.43	10.53	10.25	10.18	10.12	10.10	10.08	10.14	9.99
7	10.42	10.11	10.21	11.04	10.50	10.22	10.18	10.09	10.08	10.05	10.15	10.00
8	10.21	10.12	10.20	11.51	10.33	10.19	10.17	10.08	10.08	10.04	10.15	10.04
9	10.17	10.13	10.19	11.55	10.30	10.24	10.17	10.07	10.07	10.06	10.15	10.03
10	10.17	10.15	10.22	11.50	10.30	10.19	10.16	10.13	10.11	10.08	10.14	9.99
11	10.18	10.16	10.22	11.43	10.25	10.31	10.16	10.34	10.11	10.06	10.14	9.98
12	10.18	10.14	10.32	11.29	10.23	10.74	10.14	10.12	10.08	10.06	10.13	10.00
13	10.17	10.14	10.37	11.13	10.17	10.95	10.13	10.07	10.11	10.10	10.14	10.00
14	10.17	10.24	10.43	10.96	10.15	11.17	10.12	10.05	10.14	10.10	10.14	10.01
15	10.18	10.31	10.43	10.77	10.15	11.15	10.14	10.03	10.27	10.07	10.14	10.00
16	10.18	10.32	10.40	10.63	10.16	11.01	10.10	10.03	10.31	10.07	10.13	9.98
17	10.18	10.31	10.34	10.56	10.30	10.90	10.10	10.03	10.38	10.08	10.14	10.00
18	10.19	10.28	10.26	10.55	10.34	10.85	10.08	10.06	10.16	10.10	10.15	10.00
19	10.19	10.24	10.26	10.54	10.29	10.79	10.07	10.04	10.10	10.12	10.15	9.98
20	10.18	10.21	10.24	10.55	10.24	10.74	10.09	10.03	10.08	10.11	10.15	9.97
21	10.18	10.20	10.22	10.51	10.21	10.69	10.10	10.04	10.12	10.11	10.16	9.96
22	10.16	10.26	10.19	10.53	10.16	10.49	10.10	10.04	10.06	10.10	10.16	9.86
23	10.16	10.23	10.14	10.55	10.18	10.19	10.12	10.04	10.04	10.20	10.16	9.52
24	10.18	10.20	10.19	10.51	10.19	10.16	10.12	10.04	10.04	10.35	10.17	9.84
25	10.19	10.18	10.18	10.48	10.17	10.13	10.11	10.04	10.24	10.33	10.18	9.96
26	10.20	10.18	10.18	10.38	10.17	10.11	10.11	10.06	11.84	10.24	10.16	9.97
27	10.20	10.18	10.18	10.30	10.16	10.11	10.14	10.11	10.69	10.22	10.01	9.98
28	10.20	10.18	10.29	10.29	10.17	10.13	10.12	10.13	10.28	10.25	9.97	9.99
29	10.20	10.14	10.44	10.29	---	10.13	10.12	10.19	10.18	10.25	9.93	10.14
30	10.21	10.11	10.46	10.30	---	10.14	10.10	10.30	10.16	10.22	9.91	10.05
31	10.21	---	10.40	10.43	---	10.13	---	10.41	---	10.22	9.92	---
MAX	10.42	10.32	10.46	11.55	10.55	11.17	10.18	10.41	11.84	10.35	10.23	10.14
MIN	10.14	10.10	9.96	10.29	10.15	10.11	10.07	10.03	10.04	10.04	9.91	9.52

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 0.00 ft NAVD 1988.

REMARKS.--No estimated daily discharge. Records poor. No velocity record Oct. 5-6.. 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, 2,950 ft³/s, Apr. 28, 1998; maximum gage height, 4.64 ft, Oct. 25, 1997; no flow at times during year; maximum negative daily discharge, -91 ft³/s, Sept. 21, 1999; minimum gage height, -0.36 ft, Dec. 14, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,150 ft³/s, June 26; maximum gage height, 3.38 ft, June 26; no flow at times during year; maximum negative discharge, -562 ft³/s, Sept. 28; minimum gage height, 0.14 ft, Dec. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	27	138	220	450	221	180	145	407	438	269	.30
2	150	127	52	291	408	231	183	167	486	629	290	-25
3	134	195	15	338	287	664	100	143	483	516	233	38
4	125	132	93	256	454	348	186	-32	394	347	301	144
5	---	285	148	139	473	250	261	61	318	285	140	133
6	---	183	83	72	442	327	323	302	280	320	210	150
7	851	139	120	289	477	335	351	252	209	340	151	121
8	605	143	344	429	422	100	217	160	206	286	143	81
9	402	98	393	555	305	280	268	121	263	234	225	240
10	283	117	292	469	302	210	209	158	243	417	410	113
11	215	216	286	436	236	312	306	486	308	424	272	75
12	251	164	389	386	406	567	362	327	188	343	247	108
13	259	57	526	335	402	347	215	374	222	328	299	72
14	186	173	418	314	226	673	7.9	277	239	314	287	183
15	109	305	432	262	188	604	331	201	185	213	206	182
16	55	297	399	200	168	517	341	154	229	217	151	109
17	36	265	391	167	301	486	375	168	489	359	159	83
18	137	170	176	261	460	406	278	219	449	524	229	-42
19	131	151	245	288	474	386	172	250	249	429	203	-28
20	165	190	212	416	267	413	164	181	110	254	183	-69
21	298	210	245	315	442	433	92	203	158	263	229	-91
22	319	122	296	350	226	322	61	210	301	256	187	44
23	127	185	231	729	211	289	227	173	207	327	145	-8.3
24	106	175	345	532	290	263	312	252	111	526	171	60
25	90	170	273	508	211	296	240	145	209	696	175	-37
26	134	215	192	448	228	295	79	146	1430	316	273	21
27	156	190	134	327	226	164	263	244	784	416	212	11
28	155	135	597	217	284	151	280	270	535	432	104	-49
29	110	109	515	377	---	239	241	252	468	443	83	150
30	95	79	387	465	---	246	210	278	467	360	38	165
31	86	---	321	474	---	236	---	537	---	256	41	---
TOTAL	---	5024	8688	10865	9266	10611	6834.9	6824	10627	11508	6266	1934.00
MEAN	---	167	280	350	331	342	228	220	354	371	202	64.5

MISSISSIPPI RIVER DELTA

07385765 BAYOU TECHE NEAR JEANERETTE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.42	1.99	.99	1.27	1.47	1.33	1.53	1.45	1.79	2.30	1.04	1.28
2	1.54	2.13	.92	1.78	1.63	1.56	1.64	1.60	1.96	2.18	.92	1.45
3	1.76	1.68	1.09	1.31	1.53	1.71	1.84	1.64	1.84	1.96	.91	1.57
4	1.84	1.60	1.23	.89	1.58	1.40	1.94	2.00	1.68	1.76	.79	1.60
5	---	1.19	1.17	.72	1.48	1.68	1.99	2.39	1.58	1.57	.97	1.48
6	---	.83	1.29	1.09	1.49	1.62	1.96	2.36	1.46	1.34	1.14	1.36
7	2.38	.92	1.47	1.35	1.59	1.27	1.72	1.98	1.40	1.34	1.25	1.25
8	1.79	1.09	1.39	1.74	1.45	1.55	1.69	1.86	1.45	1.47	1.35	1.36
9	1.50	1.22	.81	2.08	1.40	1.80	1.92	1.99	1.56	1.69	1.30	1.17
10	1.45	1.56	.92	1.80	1.42	1.68	1.83	2.12	1.66	1.89	1.26	1.05
11	1.48	1.08	.75	1.81	1.51	1.84	1.89	2.39	1.60	1.87	1.29	1.20
12	1.42	1.06	.94	1.66	1.44	1.94	1.53	2.34	1.52	1.72	1.28	1.33
13	1.20	1.23	.43	1.67	.89	2.26	1.47	2.16	1.48	1.57	1.11	1.39
14	1.21	1.57	.38	1.51	.81	2.15	1.97	1.92	1.50	1.53	.81	1.31
15	1.34	1.58	.31	1.20	1.09	1.83	2.07	1.91	1.46	1.53	.70	.97
16	1.65	1.39	.40	1.34	1.33	1.87	1.36	1.97	1.47	1.60	.91	.83
17	1.98	1.17	.48	1.50	1.58	1.89	1.06	2.03	1.48	1.56	1.10	.75
18	2.19	1.21	.69	1.50	1.56	1.82	.83	2.01	1.39	1.62	1.04	.90
19	2.03	1.28	1.16	1.31	1.46	1.82	.85	1.79	1.47	1.59	.97	1.12
20	1.83	1.35	1.13	1.33	1.40	1.67	.96	1.72	1.53	1.64	1.05	1.37
21	1.57	.91	1.27	1.50	1.31	1.31	1.20	1.71	1.72	1.52	1.14	1.65
22	1.05	1.14	1.12	2.01	1.06	1.29	1.66	1.60	1.69	1.36	1.20	1.27
23	.98	1.27	.90	2.02	1.41	1.48	1.81	1.50	1.67	1.07	1.32	1.26
24	1.30	1.11	.70	1.48	1.27	1.48	1.66	1.33	1.74	1.24	1.36	1.31
25	1.61	1.16	.46	1.25	1.35	1.39	1.52	1.18	2.03	1.61	1.43	1.47
26	1.76	1.06	.55	1.08	1.42	1.07	1.78	1.27	2.94	1.46	1.25	1.67
27	1.76	.89	.87	1.04	1.53	1.06	2.00	1.17	2.96	1.29	.98	1.66
28	1.71	.83	1.37	1.26	1.50	1.37	1.75	1.13	2.76	1.21	.83	1.86
29	1.76	.92	1.20	1.55	---	1.54	1.60	1.28	2.56	1.21	.93	1.80
30	1.82	1.11	1.03	1.74	---	1.40	1.34	1.50	2.37	1.18	.97	1.14
31	1.88	---	1.24	1.50	---	1.41	---	1.69	---	1.16	1.07	---
MAX	---	2.13	1.47	2.08	1.63	2.26	2.07	2.39	2.96	2.30	1.43	1.86
MIN	---	.83	.31	.72	.81	1.06	.83	1.13	1.39	1.07	.70	.75

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, electromagnetic flowmeter, 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: Jan. 7-14, Mar. 14-17. Bayou Fusilier is a distributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this distributary, see Bayou Teche at Arnaudville (station 07385500). In extreme floods, reverse flow observed.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 900 ft³/s, Dec. 28, 1982; maximum elevation, 21.97 ft, Oct. 31, 1985; no flow at times several years; maximum negative daily discharge, -470 ft³/s, July 15, 1989; minimum elevation, 9.03 ft, Nov. 26, 27, 28, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 19.82 ft, Jan. 8; minimum, 11.69 ft, Dec. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	261	273	213	269	388	217	279	269	406	265	251	245
2	266	276	171	339	387	258	277	270	327	267	252	247
3	267	276	149	441	381	273	274	270	275	265	255	248
4	267	276	175	405	376	273	277	269	268	267	253	251
5	265	273	174	371	374	279	298	268	267	266	251	249
6	278	274	179	332	364	281	319	266	264	264	250	247
7	276	273	178	e254	354	278	317	265	265	260	252	257
8	244	274	167	e250	341	273	320	264	267	264	253	260
9	259	275	178	e204	326	277	312	263	267	266	252	251
10	263	280	179	e212	298	291	302	267	268	265	251	247
11	263	286	183	e212	275	301	291	275	270	266	252	246
12	262	281	234	e338	254	341	289	275	268	269	252	248
13	261	275	290	e377	243	476	284	267	276	290	252	247
14	262	302	307	e269	237	e573	279	268	275	275	252	245
15	262	365	298	352	235	e580	273	266	287	259	250	243
16	262	372	279	280	234	e563	275	262	315	262	250	243
17	262	364	260	266	264	e531	271	263	300	260	250	244
18	262	338	248	254	276	446	266	265	267	259	251	244
19	261	318	238	266	271	407	262	263	262	264	251	243
20	260	308	228	251	259	370	273	264	261	266	250	245
21	259	303	214	246	249	339	277	265	261	264	251	247
22	261	308	195	257	242	315	277	265	258	264	251	243
23	272	302	185	336	237	298	277	264	266	259	250	236
24	274	289	204	348	230	284	273	262	263	273	250	236
25	276	285	204	305	224	275	269	262	278	282	250	236
26	276	285	208	250	217	283	268	265	381	267	248	235
27	276	286	199	232	208	282	270	266	378	262	246	235
28	276	281	285	247	203	275	270	271	290	261	245	237
29	275	267	372	218	---	273	269	294	276	261	244	247
30	275	244	362	265	---	277	268	292	271	258	244	245
31	275	---	324	360	---	280	---	327	---	256	244	---
TOTAL	8258	8809	7080	9006	7947	10469	8456	8372	8577	8226	7753	7347
MEAN	266	294	228	291	284	338	282	270	286	265	250	245

e Estimated

MISSISSIPPI RIVER DELTA

07386200 BAYOU FUSILIER, AT WEIR AT ARNAUDVILLE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.97	13.09	12.48	13.06	14.09	12.52	13.15	13.05	14.24	13.02	12.88	12.82
2	13.02	13.12	12.01	13.65	14.09	12.95	13.13	13.06	13.58	13.04	12.89	12.84
3	13.03	13.12	11.74	14.51	14.04	13.10	13.10	13.06	13.11	13.02	12.91	12.85
4	13.03	13.12	12.05	14.23	14.00	13.09	13.13	13.05	13.04	13.04	12.90	12.88
5	13.02	13.10	12.05	13.96	13.99	13.15	13.32	13.05	13.04	13.03	12.88	12.86
6	13.13	13.10	12.10	13.63	13.90	13.17	13.51	13.03	13.01	13.00	12.87	12.84
7	13.11	13.09	12.09	17.25	13.81	13.14	13.50	13.02	13.01	12.97	12.89	12.93
8	12.81	13.11	11.95	19.71	13.71	13.09	13.52	13.01	13.03	13.01	12.89	12.97
9	12.95	13.11	12.09	19.65	13.58	13.13	13.45	12.99	13.04	13.03	12.89	12.88
10	13.00	13.16	12.11	19.10	13.33	13.26	13.36	13.04	13.05	13.02	12.88	12.84
11	12.99	13.22	12.15	18.25	13.11	13.35	13.26	13.12	13.07	13.02	12.89	12.83
12	12.99	13.16	12.70	17.22	12.91	13.71	13.24	13.11	13.04	13.05	12.89	12.85
13	12.98	13.11	13.25	16.07	12.80	14.69	13.19	13.03	13.13	13.25	12.89	12.84
14	12.99	13.36	13.41	14.89	12.74	16.52	13.15	13.04	13.11	13.11	12.89	12.82
15	12.99	13.91	13.32	13.79	12.71	16.17	13.10	13.02	13.22	12.96	12.87	12.80
16	12.98	13.96	13.15	13.16	12.71	15.50	13.11	12.98	13.48	12.99	12.86	12.79
17	12.99	13.90	12.97	13.03	13.00	14.91	13.08	12.99	13.34	12.97	12.87	12.81
18	12.99	13.68	12.84	12.91	13.12	14.54	13.02	13.02	13.03	12.95	12.87	12.81
19	12.98	13.51	12.74	13.03	13.08	14.24	12.99	13.00	12.99	13.01	12.88	12.80
20	12.97	13.41	12.65	12.88	12.96	13.95	13.09	13.01	12.98	13.02	12.87	12.82
21	12.96	13.37	12.50	12.83	12.86	13.69	13.14	13.02	12.98	13.01	12.87	12.84
22	12.98	13.42	12.29	12.94	12.79	13.48	13.13	13.02	12.95	13.00	12.87	12.80
23	13.08	13.36	12.17	13.66	12.74	13.33	13.13	13.00	13.03	12.96	12.87	12.73
24	13.10	13.24	12.39	13.76	12.67	13.20	13.09	12.99	12.99	13.09	12.87	12.73
25	13.12	13.21	12.39	13.39	12.60	13.11	13.05	12.99	13.13	13.18	12.87	12.73
26	13.12	13.20	12.43	12.86	12.52	13.19	13.04	13.01	14.03	13.03	12.85	12.72
27	13.12	13.22	12.33	12.69	12.43	13.18	13.07	13.03	14.01	12.99	12.83	12.72
28	13.12	13.17	13.17	12.83	12.38	13.11	13.06	13.08	13.25	12.98	12.82	12.74
29	13.12	13.03	13.97	12.54	---	13.09	13.06	13.29	13.12	12.98	12.81	12.83
30	13.11	12.80	13.88	13.00	---	13.13	13.04	13.27	13.07	12.95	12.81	12.81
31	13.11	---	13.55	13.86	---	13.16	---	13.58	---	12.93	12.81	---
MAX	13.13	13.96	13.97	19.71	14.09	16.52	13.52	13.58	14.24	13.25	12.91	12.97
MIN	12.81	12.80	11.74	12.54	12.38	12.52	12.99	12.98	12.95	12.93	12.81	12.72

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.--June 1996 to September 1997 (daily records unpublished), October 1997 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Below recordable stage: Dec. 3-10, 22-23.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 20.46 ft, Oct. 26, 1996; minimum, undetermined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 19.69 ft, Jan. 8; minimum, undetermined.

ELEVATION, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.69	5.78	5.36	6.13	7.35	5.31	6.21	5.72	12.49	6.66	5.29	5.34
2	5.81	5.89	5.07	10.09	7.16	5.61	6.08	5.74	10.36	6.45	5.26	5.54
3	5.77	5.84		11.96	6.95	5.98	6.05	5.75	8.10	6.26	5.32	5.49
4	5.84	5.69		9.75	6.82	5.97	6.06	5.77	7.01	6.25	5.34	5.51
5	5.97	5.62		8.24	6.75	6.03	6.15	5.93	6.43	6.20	5.27	5.83
6	6.29	5.56		7.29	6.67	6.06	6.33	5.96	6.10	5.92	5.25	5.49
7	8.54	5.54		15.70	6.57	5.97	6.35	5.81	5.96	5.74	5.24	5.41
8	7.14	5.63		19.60	6.49	5.95	6.34	5.69	6.02	5.75	5.26	7.19
9	6.29	5.66		19.01	6.37	6.08	6.30	5.69	5.92	6.07	5.29	6.51
10	5.98	6.02		17.95	6.16	6.08	6.19	6.01	5.83	6.74	5.21	5.77
11	5.85	6.43		16.72	5.95	6.84	6.09	6.81	5.93	6.44	5.20	5.42
12	5.78	5.96		15.65	5.73	11.41	5.99	6.92	6.25	6.39	5.23	5.34
13	5.68	5.77		14.54	5.47	12.55	5.93	6.65	6.73	7.06	5.23	5.32
14	5.57	7.69	5.98	13.28	5.36	14.64	5.93	6.16	6.82	6.66	5.20	5.27
15	5.55	9.26	5.90	11.57	5.37	13.66	5.94	5.92	6.42	5.98	5.10	5.19
16	5.58	7.66	5.72	9.87	5.40	12.43	5.82	5.82	7.37	5.73	5.10	5.16
17	5.68	6.92	5.52	8.56	6.90	11.16	5.70	5.79	8.02	5.79	5.14	5.19
18	5.73	6.53	5.39	7.48	8.26	9.82	5.64	5.75	7.10	7.35	5.18	5.19
19	5.69	6.26	5.38	6.71	6.80	8.58	5.60	5.63	6.50	7.76	5.21	5.22
20	6.83	6.13	5.30	6.23	6.08	7.54	5.67	5.56	6.08	6.70	5.20	5.24
21	6.08	6.23	5.16	5.90	5.78	6.79	5.76	5.57	5.85	6.15	5.22	5.29
22	5.54	7.40		6.37	5.55	6.38	5.86	5.58	5.80	5.88	5.31	5.27
23	5.49	6.54		9.20	5.49	6.30	5.96	5.52	5.71	5.62	5.27	5.19
24	5.58	6.06	5.17	8.30	5.43	6.19	5.92	5.45	5.62	5.64	5.30	5.19
25	5.66	5.85	5.18	7.25	5.35	6.03	5.81	5.37	6.40	7.58	5.38	5.23
26	5.69	5.84	5.11	6.34	5.32	5.93	5.77	5.40	10.45	7.09	5.25	5.31
27	5.70	5.85	5.07	5.73	5.26	5.93	5.87	5.46	10.83	6.16	5.20	5.31
28	5.69	5.81	6.82	5.64	5.31	5.92	5.79	6.73	8.58	5.65	5.19	5.34
29	5.68	5.72	8.27	5.57	---	6.01	5.75	8.04	7.52	5.52	5.21	6.82
30	5.70	5.60	7.46	6.34	---	6.62	5.73	8.44	6.99	5.51	5.22	6.87
31	5.72	---	6.74	7.40	---	6.52	---	10.06	---	5.42	5.26	---
MAX	8.54	9.26	---	19.60	8.26	14.64	6.35	10.06	12.49	7.76	5.38	7.19
MIN	5.49	5.54	---	5.57	5.26	5.31	5.60	5.37	5.62	5.42	5.10	5.16

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 NAVD 1988. Prior to Oct. 1, 1998, datum of gage was sea level (U.S. Army Corps of Engineers' benchmark). 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 positive discharge, 802 ft³/s, Apr. 21, 1966; maximum negative discharge, -60 ft³/s, Jan. 31, 1993 (backwater from Vermilion River); minimum daily (unaffected by backwater), 0.03 ft³/s, June 1, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 12.90 ft, Jan. 9; minimum, 7.38 ft, Dec. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	386	374	300	263	387	476	505	425	460	422	566
2	380	378	372	268	262	390	480	502	431	477	423	561
3	381	384	296	259	263	414	482	503	446	489	422	561
4	381	386	185	271	262	406	485	510	460	491	422	561
5	377	387	188	283	264	435	485	508	482	501	422	562
6	375	391	187	287	262	461	490	500	491	515	420	564
7	346	390	185	186	357	459	496	508	500	519	419	565
8	351	389	186	40	412	458	497	513	502	532	416	558
9	368	388	192	40	408	468	498	507	496	533	416	555
10	377	382	189	39	406	485	501	531	505	534	419	561
11	380	381	192	37	402	478	496	566	515	525	420	562
12	383	384	193	35	397	178	494	534	505	532	418	563
13	387	383	200	33	403	34	494	527	498	530	421	564
14	390	380	200	31	403	37	484	532	515	526	423	563
15	391	367	199	31	398	37	480	534	485	536	424	567
16	389	379	198	31	396	37	494	531	505	539	421	567
17	383	386	225	34	389	37	500	535	475	536	419	567
18	380	385	252	37	366	38	495	545	483	522	420	568
19	382	381	243	41	379	41	495	541	498	515	422	565
20	384	377	246	44	389	43	498	536	510	516	422	562
21	384	380	246	46	389	46	523	534	481	522	419	559
22	391	367	246	46	400	436	518	538	516	490	417	556
23	393	373	248	177	392	479	514	544	526	393	417	540
24	390	378	249	245	395	480	509	559	529	407	418	557
25	388	380	251	250	390	479	508	536	571	405	417	562
26	387	381	250	253	396	482	506	517	653	397	492	556
27	388	383	248	254	406	484	506	516	466	410	575	557
28	389	384	236	254	381	483	508	524	430	439	572	553
29	390	382	240	250	---	473	508	524	438	418	567	538
30	389	377	289	248	---	465	509	491	457	419	567	536
31	388	---	302	257	---	472	---	470	---	420	567	---
TOTAL	11838	11449	7307	4607	10230	10102	14929	16221	14794	15048	13839	16776
MEAN	382	382	236	149	365	326	498	523	493	485	446	559

MISSISSIPPI RIVER DELTA
07386700 RUTH CANAL NEAR RUTH, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.53	8.39	7.69	8.62	9.60	7.78	7.57	7.92	9.41	8.42	8.84	8.39
2	8.54	8.33	7.50	9.20	9.64	8.05	7.62	7.93	8.86	8.42	8.84	8.37
3	8.53	8.26	7.99	9.51	9.61	8.20	7.73	7.95	8.66	8.38	8.84	8.38
4	8.56	8.23	8.71	9.40	9.58	7.88	7.81	8.00	8.37	8.31	8.79	8.37
5	8.58	8.20	8.75	9.19	9.57	7.76	7.83	8.03	8.26	8.28	8.78	8.38
6	8.78	8.17	8.79	8.97	9.55	7.81	7.87	7.92	8.12	8.26	8.78	8.38
7	9.05	8.20	8.80	11.33	9.25	7.66	7.87	7.80	8.05	8.21	8.78	8.41
8	8.62	8.24	8.71	12.77	8.56	7.76	7.86	7.79	8.02	8.32	8.78	8.48
9	8.52	8.24	8.68	12.87	8.49	7.81	7.90	7.77	7.86	8.36	8.78	8.44
10	8.52	8.30	8.73	12.74	8.45	7.58	7.89	7.84	7.92	8.42	8.77	8.38
11	8.50	8.25	8.74	12.44	8.36	8.04	7.82	8.44	7.99	8.34	8.77	8.38
12	8.48	8.19	9.03	12.01	8.17	10.06	7.71	7.99	7.96	8.36	8.76	8.38
13	8.44	8.17	9.24	11.46	8.05	10.45	7.70	7.80	8.04	8.41	8.76	8.39
14	8.44	8.41	9.33	10.89	8.04	11.52	7.72	7.70	8.28	8.32	8.75	8.37
15	8.44	8.69	9.31	10.36	8.09	11.50	7.69	7.70	9.27	8.34	8.74	8.36
16	8.46	8.66	9.22	10.01	8.11	11.25	7.62	7.66	8.69	8.33	8.75	8.35
17	8.48	8.55	8.88	9.90	8.54	10.92	7.62	7.72	8.86	8.31	8.77	8.36
18	8.49	8.38	8.63	9.83	8.68	10.71	7.52	7.80	8.57	8.33	8.77	8.36
19	8.44	8.25	8.65	9.85	8.46	10.57	7.53	7.69	8.45	8.41	8.77	8.35
20	8.43	8.11	8.55	9.85	8.25	10.41	7.60	7.62	8.37	8.38	8.78	8.33
21	8.41	8.12	8.54	9.84	8.11	10.06	8.03	7.62	8.49	8.34	8.79	8.32
22	8.33	8.31	8.42	9.89	8.06	8.84	8.15	7.62	8.28	8.36	8.80	8.23
23	8.32	8.19	8.35	9.73	8.09	7.94	8.19	7.62	8.26	8.56	8.80	7.93
24	8.39	8.07	8.43	9.61	8.04	7.83	8.05	7.72	8.24	8.73	8.82	8.26
25	8.40	8.00	8.42	9.47	7.91	7.69	7.96	7.75	8.85	8.93	8.82	8.33
26	8.41	7.97	8.44	9.21	8.06	7.59	7.97	7.75	11.41	8.81	8.69	8.35
27	8.42	7.96	8.47	8.98	8.29	7.55	8.06	7.78	9.38	8.87	8.38	8.35
28	8.40	7.96	8.80	8.97	7.75	7.64	7.99	8.00	8.80	9.37	8.33	8.38
29	8.40	7.93	9.31	8.96	---	7.59	7.93	8.26	8.67	8.89	8.30	8.62
30	8.40	7.85	9.14	9.01	---	7.52	7.91	8.24	8.60	8.85	8.31	8.48
31	8.39	---	8.85	9.38	---	7.55	---	8.85	---	8.85	8.34	---
MAX	9.05	8.69	9.33	12.87	9.64	11.52	8.19	8.85	11.41	9.37	8.84	8.62
MIN	8.32	7.85	7.50	8.62	7.75	7.52	7.52	7.62	7.86	8.21	8.30	7.93

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 current year (gage heights only).

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, 8.70 ft, May 31, 1999; minimum elevation, 0.88 ft, Dec. 13.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.64	3.13	2.31	2.65	2.46	2.13	3.23	3.05	6.81	5.37	2.54	3.06
2	3.56	3.28	2.05	4.69	2.63	2.63	3.23	3.11	6.10	5.10	2.48	3.17
3	3.54	2.79	2.06	5.01	2.54	2.95	3.45	3.10	5.69	4.89	2.47	3.19
4	3.53	2.74	1.99	4.53	2.63	2.65	3.56	3.43	5.13	4.71	2.42	3.13
5	3.79	2.51	1.73	3.94	2.47	3.24	3.58	3.88	4.64	4.46	2.45	3.09
6	4.31	2.16	1.97	3.65	2.55	3.03	3.47	3.79	4.27	4.14	2.58	2.96
7	5.28	2.47	2.18	6.71	2.64	2.64	3.26	3.24	4.01	3.95	2.60	3.06
8	4.48	2.69	1.85	7.12	2.63	3.15	3.21	3.13	3.91	3.86	2.70	3.45
9	3.90	2.66	1.04	7.18	2.68	3.33	3.29	3.29	3.75	---	2.58	3.38
10	3.67	3.14	1.60	7.33	2.69	3.01	3.16	3.55	3.66	---	2.38	3.04
11	3.53	2.87	1.29	7.41	2.78	3.94	3.22	4.34	3.57	---	2.37	3.06
12	3.37	2.73	1.65	7.42	2.51	6.36	2.96	4.07	3.80	---	2.42	3.04
13	3.08	2.78	.97	7.35	1.64	6.68	2.94	3.82	4.06	---	2.23	3.02
14	2.94	3.45	1.17	7.19	1.74	7.02	3.37	3.52	4.12	---	2.00	2.98
15	2.91	4.06	1.22	6.90	2.38	6.78	3.36	3.47	3.84	3.73	1.97	2.76
16	3.13	3.64	1.26	6.52	2.54	6.57	2.61	3.50	5.06	3.71	2.33	2.68
17	3.40	3.22	1.34	5.98	3.50	6.30	2.42	3.55	5.56	3.73	2.49	2.71
18	3.54	2.98	1.62	5.25	4.21	5.85	2.28	3.48	5.09	4.17	2.36	2.73
19	3.32	2.94	2.44	4.36	3.64	5.26	2.38	3.23	4.69	4.38	2.25	2.87
20	3.19	2.85	1.99	3.66	3.04	4.47	2.49	3.17	4.36	4.33	2.33	2.95
21	3.08	2.73	2.09	3.22	2.74	3.54	2.72	3.17	4.15	4.10	2.52	3.10
22	2.50	3.58	1.71	3.43	2.04	3.39	3.24	3.04	4.10	3.74	2.59	2.89
23	2.38	3.23	1.37	3.84	2.74	3.81	3.42	2.90	3.83	3.19	2.62	2.85
24	2.85	2.76	1.40	3.45	2.35	3.63	3.23	2.74	3.69	2.89	2.65	2.96
25	3.03	2.59	1.12	3.03	2.35	3.37	3.01	2.66	3.95	3.40	2.68	3.00
26	3.09	2.49	1.36	2.55	2.45	3.03	3.18	2.76	5.96	3.48	2.47	3.24
27	3.06	2.30	1.80	2.17	2.57	2.92	3.36	2.73	6.33	3.10	2.51	3.19
28	2.94	2.26	3.15	2.26	2.41	3.28	3.09	3.10	6.21	2.80	2.50	3.45
29	2.94	2.40	3.34	2.65	---	3.39	2.95	3.66	5.97	2.81	2.65	4.29
30	2.99	2.60	2.90	2.81	---	3.39	2.80	4.43	5.65	2.69	2.68	3.88
31	3.01	---	2.88	2.51	---	3.29	---	6.01	---	2.66	2.88	---
MAX	5.28	4.06	3.34	7.42	4.21	7.02	3.58	6.01	6.81	---	2.88	4.29
MIN	2.38	2.16	.97	2.17	1.64	2.13	2.28	2.66	3.57	---	1.97	2.68

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 2.74 ft below NAVD 1988. Prior to 1996 datum of gage was 2.85 ft below sea level. Prior to 1982, datum of gage was 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 poor. Discharges are affected by tide at all stages: diversions above and below station for irrigation. Reverse flow at times during year. Satellite telemetry and rain gage 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 discharge, 2,580 ft³/s, Mar. 15; maximum gage height, 11.75 ft, May 31; maximum negative discharge, -4,690 ft³/s, May 31; no flow at times during the year; minimum gage height, 3.14 ft, Dec. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	544	415	417	477	310	571	850	659	947	1210	552	536
2	494	496	393	347	274	496	822	652	1460	1150	528	532
3	400	593	336	1110	264	749	713	646	1140	990	514	568
4	349	483	303	1180	253	699	750	481	974	1030	552	654
5	289	513	312	996	224	632	738	443	882	1150	585	716
6	115	499	287	780	219	782	884	646	674	1050	530	718
7	799	453	312	545	203	814	929	758	545	979	486	722
8	1180	439	321	1220	263	549	907	623	530	922	494	885
9	1050	456	283	921	263	741	858	532	457	846	577	929
10	959	412	251	1520	287	771	867	500	428	774	536	816
11	878	642	257	1750	260	593	788	464	440	674	586	742
12	836	501	295	1620	337	534	830	745	386	589	620	711
13	805	435	356	1590	328	144	767	708	473	783	629	655
14	729	401	320	1510	384	1550	618	659	526	771	631	688
15	706	688	353	1460	418	2410	788	544	472	659	550	713
16	578	646	360	1270	425	2370	943	419	319	544	518	677
17	523	603	360	1090	514	2190	787	377	880	587	537	613
18	541	540	310	908	984	1940	747	379	1320	611	586	534
19	603	517	331	745	1010	1690	681	384	1120	720	563	565
20	671	492	391	538	811	1460	680	342	921	694	555	689
21	627	494	314	356	748	1240	683	353	782	634	525	615
22	582	575	372	225	650	1150	608	421	779	561	545	724
23	477	546	322	467	528	1160	680	393	739	510	531	698
24	441	503	349	499	645	1100	782	406	699	527	517	697
25	447	456	333	374	545	1070	753	389	566	654	526	606
26	475	446	333	289	560	1010	652	398	439	663	530	572
27	470	438	295	225	513	895	748	450	927	584	619	594
28	509	417	255	171	615	744	813	498	1210	484	569	498
29	490	400	723	127	---	871	761	484	1330	527	557	659
30	475	397	709	160	---	986	742	395	1580	580	586	1090
31	432	---	543	311	---	943	---	-77	---	554	571	---
TOTAL	18474	14896	11096	24781	12835	32854	23169	15071	23945	23011	17205	20416
MEAN	596	497	358	799	458	1060	772	486	798	742	555	681

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.05	5.75	4.81	5.21	4.96	4.71	5.74	5.57	9.24	7.74	5.02	5.57
2	5.98	5.88	4.59	7.33	5.19	5.26	5.76	5.62	8.35	7.49	4.97	5.66
3	6.02	5.29	4.72	7.24	5.11	5.46	6.03	5.63	7.97	7.32	4.95	5.69
4	6.02	5.28	4.71	6.71	5.20	5.18	6.14	6.04	7.47	7.11	4.90	5.62
5	6.33	4.98	4.41	6.27	5.06	5.83	6.16	6.52	7.01	6.85	4.96	5.53
6	6.93	4.60	4.72	6.13	5.14	5.53	5.99	6.35	6.65	6.52	5.10	5.39
7	7.76	4.98	4.91	9.20	5.22	5.13	5.75	5.72	6.44	6.36	5.13	5.52
8	6.81	5.21	4.55	9.18	5.13	5.78	5.71	5.66	6.35	6.29	5.25	5.85
9	6.27	5.18	3.67	9.01	5.21	5.87	5.81	5.85	6.21	6.34	5.08	5.73
10	6.08	5.70	4.31	9.09	5.22	5.53	5.67	6.11	6.12	6.47	4.89	5.44
11	5.97	5.25	3.98	9.22	5.36	6.50	5.74	6.95	6.00	6.46	4.88	5.52
12	5.80	5.21	4.32	9.29	4.99	8.96	5.45	6.55	6.22	6.39	4.94	5.51
13	5.48	5.30	3.38	9.29	4.08	9.31	5.46	6.25	6.42	6.42	4.72	5.49
14	5.38	5.99	3.74	9.19	4.26	9.45	5.99	5.95	6.42	6.29	4.46	5.44
15	5.38	6.33	3.78	8.97	4.99	8.94	5.89	5.96	6.22	6.17	4.47	5.19
16	5.67	5.95	3.85	8.70	5.14	8.74	5.00	6.02	7.58	6.19	4.89	5.12
17	5.97	5.57	3.91	8.28	6.04	8.55	4.87	6.08	7.89	6.21	5.03	5.14
18	6.11	5.39	4.26	7.63	6.52	8.15	4.69	5.97	7.36	6.64	4.87	5.18
19	5.84	5.39	5.12	6.82	6.01	7.66	4.83	5.70	7.04	6.77	4.75	5.34
20	5.63	5.32	4.62	6.18	5.51	6.93	4.95	5.66	6.77	6.80	4.85	5.45
21	5.52	5.14	4.76	5.84	5.22	6.02	5.21	5.65	6.63	6.55	5.07	5.63
22	4.93	5.96	4.33	6.15	4.55	5.86	5.82	5.51	6.56	6.16	5.13	5.36
23	4.89	5.67	4.00	6.28	5.36	6.28	5.97	5.34	6.26	5.63	5.17	5.36
24	5.43	5.20	3.99	5.78	4.90	6.10	5.72	5.16	6.13	5.35	5.18	5.47
25	5.61	5.09	3.68	5.47	4.96	5.82	5.50	5.10	6.44	5.80	5.19	5.52
26	5.67	4.98	3.97	5.07	5.04	5.45	5.75	5.22	8.46	5.86	4.94	5.78
27	5.69	4.78	4.47	4.75	5.17	5.39	5.89	5.16	8.59	5.51	4.92	5.71
28	5.50	4.75	5.85	4.90	4.97	5.86	5.57	5.47	8.46	5.25	4.92	6.03
29	5.51	4.93	5.78	5.33	---	5.91	5.43	5.98	8.25	5.29	5.10	6.81
30	5.57	5.17	5.30	5.44	---	5.85	5.27	6.80	7.97	5.17	5.13	6.24
31	5.61	---	5.41	4.97	---	5.75	---	8.64	---	5.14	5.37	---
MAX	7.76	6.33	5.85	9.29	6.52	9.45	6.16	8.64	9.24	7.74	5.37	6.81
MIN	4.89	4.60	3.38	4.75	4.08	4.71	4.69	5.10	6.00	5.14	4.46	5.12

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 current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 14.07 ft, Oct. 26, 1996; minimum, -0.68 ft, Dec. 12, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 8.09 ft, Mar. 13; minimum, -0.50 ft, Dec. 13.

ELEVATION, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.36	2.74	1.42	1.98	1.52	1.42	2.30	2.25	5.66	3.18	1.47	2.33
2	2.35	2.69	1.33	4.30	1.91	2.20	2.40	2.26	3.76	3.05	1.44	2.43
3	2.67	1.80	1.77	2.69	1.88	1.79	2.92	2.30	3.34	2.99	1.50	2.48
4	2.78	1.99	1.87	1.48	1.86	1.84	2.97	3.04	2.93	2.86	1.41	2.32
5	3.27	1.36	1.47	1.75	1.92	2.67	3.01	3.58	2.67	2.54	1.63	2.09
6	4.04	1.10	1.95	2.40	1.97	1.97	2.51	3.03	2.45	2.16	1.81	1.90
7	4.42	1.77	2.05	5.63	2.00	1.55	2.15	2.02	2.49	2.30	1.88	1.97
8	2.59	2.00	1.55	4.90	1.63	2.86	2.23	2.28	2.54	2.36	1.96	2.25
9	2.26	1.97	.67	3.66	1.84	2.48	2.38	2.70	2.50	2.62	1.64	1.88
10	2.33	2.58	1.49	3.05	1.87	2.12	2.21	2.93	2.55	2.89	1.49	1.81
11	2.36	1.41	1.07	3.47	2.17	3.15	2.30	3.95	2.32	2.71	1.55	2.12
12	2.17	1.95	1.23	3.64	1.16	5.96	1.84	3.03	2.47	2.73	1.58	2.14
13	1.76	2.15	-.16	3.72	.20	6.22	2.09	2.52	2.58	2.54	1.22	2.15
14	1.84	2.82	.62	3.56	.91	5.53	3.02	2.23	2.37	2.34	.84	2.03
15	2.02	2.52	.50	3.20	1.90	3.26	2.38	2.50	2.24	2.42	1.09	1.64
16	2.61	1.98	.63	3.41	2.01	3.17	.83	2.73	3.89	2.64	1.73	1.62
17	2.99	1.69	.59	3.38	2.68	3.38	1.05	2.84	3.64	2.63	1.82	1.63
18	3.09	1.84	1.35	2.89	2.54	3.08	.90	2.55	2.74	2.90	1.50	1.77
19	2.64	1.95	2.12	2.39	1.89	3.02	1.20	2.16	2.75	2.97	1.41	2.01
20	2.20	1.91	1.49	2.13	1.92	2.45	1.38	2.25	2.78	3.28	1.60	2.19
21	2.04	1.45	1.79	2.45	1.48	1.54	1.83	2.24	2.96	2.75	1.77	2.48
22	1.27	2.32	1.11	3.17	.91	1.84	2.73	1.99	2.86	2.19	1.87	1.88
23	1.59	2.09	.93	2.38	2.25	2.41	2.70	1.75	2.52	1.64	1.95	2.09
24	2.26	1.57	.74	1.46	1.46	2.23	2.17	1.43	2.53	1.67	1.90	2.18
25	2.45	1.73	.44	1.61	1.79	1.85	1.94	1.58	2.98	2.05	1.86	2.34
26	2.52	1.55	.90	1.52	1.85	1.37	2.55	1.71	5.35	1.95	1.51	2.66
27	2.46	1.28	1.59	1.48	2.04	1.72	2.53	1.53	4.52	1.68	1.28	2.48
28	2.26	1.36	3.01	1.91	1.49	2.67	1.96	1.67	3.71	1.61	1.34	2.92
29	2.33	1.70	1.97	2.43	---	2.44	1.87	2.16	3.34	1.72	1.62	3.46
30	2.41	1.99	1.36	2.26	---	2.21	1.70	3.10	3.13	1.63	1.71	2.25
31	2.50	---	2.06	1.31	---	2.07	---	5.32	---	1.67	2.04	---
MAX	4.42	2.82	3.01	5.63	2.68	6.22	3.02	5.32	5.66	3.28	2.04	3.46
MIN	1.27	1.10	-.16	1.31	.20	1.37	.83	1.43	2.24	1.61	.84	1.62

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 3.46 ft below sea level (levels by Louisiana Department of Transportation and Development, Office of Highways). Prior to 1997 datum of gage is 3.34 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. 27, Nov. 13-17, Nov. 19-25, Dec. 16-22, Jan. 5-11, and June 16. No velocity records: Oct. 27, Nov. 13-17, Nov. 19-25, Dec. 16-22, Jan. 5-11, and June 16. 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 discharge, 7,720 ft³/s, Mar. 13; maximum gage height, 8.27 ft, Mar. 12; no flow at times during the year; maximum negative discharge, -1,550 ft³/s, Apr. 21; minimum gage height, 2.38 ft, Feb. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	811	271	787	665	589	453	745	736	4000	1470	690	881
2	982	1160	484	3080	608	476	609	843	2020	1430	770	885
3	1010	870	473	3030	340	1670	294	549	1800	1410	625	894
4	730	779	467	1790	994	-222	773	-40	1630	1480	688	1010
5	1200	1300	647	---	316	947	788	509	1290	1400	480	966
6	2350	686	94	---	523	1120	1120	1510	1210	1200	641	1010
7	3890	617	592	---	877	556	797	1010	1260	1020	556	987
8	1880	811	1030	---	635	222	605	481	1300	1020	672	1330
9	1350	586	210	---	568	1300	959	572	1080	972	837	1300
10	1180	905	551	---	531	308	480	931	1060	1610	757	711
11	999	1090	363	---	552	2170	990	2540	1250	1380	614	929
12	1170	728	1140	2260	1560	5050	862	1700	1160	1390	1000	956
13	1030	---	578	2330	347	4760	425	1440	1590	1410	997	927
14	821	---	338	2590	234	5360	419	933	1230	1040	898	1080
15	573	---	499	2300	449	3230	1560	793	1010	1010	540	951
16	251	---	---	2000	561	1910	722	592	---	1100	808	849
17	428	---	---	1860	1240	1940	1010	789	2270	1310	995	950
18	966	688	---	1860	1440	1760	610	1090	1500	1460	1000	746
19	952	---	---	1390	1580	1620	614	835	1360	1650	809	750
20	948	---	---	1190	503	1590	663	735	1100	2330	736	665
21	1170	---	---	403	1560	1310	282	889	1110	1640	824	724
22	1160	---	---	536	-70	625	334	906	1460	1180	760	841
23	349	---	473	1950	895	1140	862	848	1080	1050	716	686
24	591	---	1140	947	721	1120	1090	955	844	795	867	862
25	755	---	440	960	491	1210	710	575	1090	1010	839	436
26	813	951	462	729	552	1070	457	847	4250	992	966	871
27	---	805	344	475	695	386	1130	832	2690	868	947	910
28	760	591	2850	179	1030	767	935	804	1980	740	660	810
29	719	459	1690	330	---	1210	897	1010	1970	830	898	2240
30	756	667	1060	1060	---	1120	544	2100	1680	776	759	1630
31	572	---	894	944	---	947	---	4590	---	756	987	---
TOTAL	---	---	---	---	20321	47125	22286	32904	---	37729	24336	28787
MEAN	---	---	---	---	726	1520	743	1061	---	1217	785	960

MISSISSIPPI RIVER DELTA

07386980 VERMILION RIVER AT PERRY, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.15	5.78	4.27	4.83	4.31	4.29	5.07	5.14	6.09	5.28	4.16	5.12
2	5.11	5.49	4.27	6.00	4.71	5.05	5.22	5.05	5.54	5.24	4.08	5.23
3	5.48	4.56	4.78	3.73	4.77	4.01	5.84	5.14	5.24	5.21	4.24	5.26
4	5.70	4.83	4.89	3.02	4.56	4.87	5.79	6.07	4.97	5.05	4.13	5.02
5	6.19	3.93	4.45	---	4.86	5.46	5.82	6.50	4.90	4.76	4.47	4.76
6	6.53	3.94	5.06	---	4.84	4.63	5.15	5.66	4.76	4.42	4.60	4.53
7	6.40	4.66	5.04	---	4.76	4.33	4.81	4.62	4.94	4.78	4.68	4.50
8	4.80	4.77	4.29	---	4.40	5.84	4.98	5.15	5.04	4.87	4.64	4.67
9	4.81	4.89	3.81	---	4.67	5.09	5.08	5.59	5.10	5.12	4.28	4.28
10	4.99	5.28	4.55	---	4.67	4.95	5.01	5.76	5.13	5.34	4.19	4.52
11	5.11	3.99	4.18	---	5.02	5.83	4.98	6.41	4.85	5.07	4.32	4.83
12	4.84	4.84	3.97	4.87	3.28	7.83	4.52	5.55	4.81	4.88	4.26	4.88
13	4.48	---	2.72	5.08	2.99	7.17	4.94	5.01	4.79	4.77	3.88	4.91
14	4.66	---	3.67	4.67	3.83	6.13	5.96	4.85	4.68	4.76	3.54	4.71
15	4.96	---	3.45	4.29	4.77	3.80	4.77	5.20	4.56	4.93	3.96	4.33
16	5.67	---	---	5.05	4.86	4.82	3.31	5.52	---	5.11	4.52	4.39
17	6.04	---	---	5.26	5.00	5.12	3.61	5.59	4.95	5.03	4.58	4.31
18	6.05	4.71	---	4.78	4.78	4.99	3.64	5.15	4.77	5.17	4.22	4.53
19	5.52	---	---	4.64	4.11	5.15	3.90	4.79	5.05	5.19	4.19	4.77
20	5.01	---	---	4.57	4.76	4.60	4.08	4.90	5.28	5.75	4.41	5.01
21	4.79	---	---	5.31	3.87	3.79	4.65	4.88	5.58	5.11	4.50	5.30
22	3.98	---	---	6.05	3.74	4.52	5.68	4.60	5.31	4.63	4.62	4.54
23	4.62	---	3.89	4.50	5.05	4.98	5.54	4.37	5.08	4.10	4.75	4.89
24	5.16	---	3.38	3.95	4.16	4.77	4.88	4.02	5.18	4.28	4.65	4.91
25	5.35	---	3.45	4.23	4.64	4.37	4.74	4.35	5.48	4.59	4.60	5.22
26	5.38	4.32	3.87	4.26	4.68	3.83	5.52	4.37	6.81	4.47	4.22	5.48
27	---	4.13	4.57	4.34	4.86	4.54	5.29	4.17	6.10	4.24	3.96	5.25
28	5.15	4.30	5.51	4.86	4.08	5.53	4.71	4.24	5.40	4.31	4.13	5.72
29	5.25	4.69	4.37	5.36	---	5.08	4.62	4.66	5.05	4.40	4.34	5.54
30	5.32	4.93	3.86	4.91	---	4.86	4.52	5.26	5.00	4.35	4.49	4.39
31	5.47	---	4.81	3.88	---	4.72	---	6.38	---	4.38	4.72	---
MAX	---	---	---	---	5.05	7.83	5.96	6.50	---	5.75	4.75	5.72
MIN	---	---	---	---	2.99	3.79	3.31	4.02	---	4.10	3.54	4.28

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 current year. 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, -1.60 ft, Dec. 13, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.71 ft, May 4; minimum elevation, -1.60 ft, Dec. 13.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.28	.53	1.56	2.62	1.71	2.19	1.09	-.31	.56	2.08	.03	1.12
2	2.03	.77	1.49	3.05	.88	1.72	1.53	-.40	.67	2.71	-.62	1.01
3	2.69	.46	1.63	1.79	-.12	.91	1.82	-.14	1.02	-.19	-1.59	-1.06
4	2.79	.73	1.91	2.01	.13	1.19	1.82	.01	1.09	.29	-1.58	-.84
5	2.94	1.14	2.20	.92	-.74	.20	1.69	-.34	.75	1.49	-.27	.47
6	2.75	1.82	2.30	1.65	-.54	.42	2.09	.43	1.35	1.79	.47	1.21
7	1.96	.34	1.27	1.83	-.16	.88	2.06	.26	1.25	1.60	.18	.86
8	1.60	-.26	.62	1.97	-.14	.98	1.89	-1.25	.29	1.49	-.75	1.02
9	1.87	.22	.97	2.22	.37	1.23	1.32	-.45	.36	1.57	-1.49	-.41
10	1.87	.11	1.13	2.59	.24	1.42	1.49	-.34	.77	1.04	-1.29	.11
11	1.99	.40	1.31	1.30	-.38	.25	1.37	-.08	.71	1.36	-.07	.74
12	1.97	-.16	.93	1.62	.34	1.03	1.60	-1.29	.16	1.43	-.14	.73
13	1.45	.03	.80	1.86	.85	1.47	.17	-1.60	-.74	1.55	.24	1.07
14	1.72	.38	1.05	1.98	.78	1.44	.51	-.52	.08	1.21	-.17	.57
15	1.83	.92	1.40	1.48	.41	.97	.71	-.91	-.09	1.72	-.84	.27
16	2.30	1.22	1.96	1.10	.05	.67	.86	-.84	.04	1.85	-.05	1.06
17	2.77	1.75	2.33	1.10	-.32	.54	.65	-1.47	-.30	1.98	.36	1.33
18	2.68	1.63	2.27	1.80	.16	1.03	2.12	-.12	.94	1.57	-.14	.87
19	2.21	1.14	1.75	1.83	-.01	.99	2.12	-.05	1.08	1.65	-.09	.87
20	2.06	.62	1.38	1.78	-.04	.73	1.86	-.49	.70	1.55	-.02	.86
21	1.58	.42	1.01	1.42	-.23	.34	1.86	-.10	.96	2.38	1.05	1.63
22	.86	-.53	.21	1.81	-.03	.98	1.36	-1.32	-.01	3.02	1.82	2.37
23	2.35	.52	1.10	1.81	-.16	.94	1.16	-.46	.47	1.89	-.79	.18
24	2.39	.73	1.54	1.67	-.34	.59	.48	-1.39	-.47	1.01	-.45	.41
25	2.55	.78	1.73	1.67	.01	.82	.79	-.34	.11	1.15	-.22	.61
26	2.56	.71	1.69	1.44	-.26	.53	1.32	-.18	.43	1.13	-.30	.58
27	2.41	.49	1.53	1.12	-.12	.45	1.61	.33	.99	1.56	-.21	.79
28	2.24	.71	1.52	1.17	.16	.61	1.62	.30	.73	2.04	.16	1.27
29	2.32	1.00	1.65	1.42	.36	.92	1.04	-.27	.52	2.35	.51	1.61
30	2.47	1.00	1.71	1.73	.56	1.06	1.97	-1.22	.23	2.01	.06	1.23
31	2.42	1.23	1.83	---	---	---	1.97	-.14	.96	1.46	-.86	.38
MONTH	2.94	-.53	1.48	3.05	-.74	.92	2.12	-1.60	.50	3.02	-1.59	.74

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPRE MORT POINT, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.67	-.24	.89	1.78	-.08	.87	1.91	.76	1.41	2.04	.56	1.45
2	1.94	.35	1.22	2.16	.46	1.43	1.93	.89	1.52	1.97	.69	1.44
3	2.06	.78	1.29	---	---	---	2.64	1.19	2.11	2.13	.54	1.53
4	1.58	.21	.95	2.46	.01	1.34	2.46	1.32	1.81	3.71	1.31	2.70
5	1.68	.88	1.28	2.02	1.05	1.64	2.43	1.21	1.91	3.49	1.52	2.69
6	1.83	.74	1.26	1.32	.62	.98	1.83	.70	1.32	2.10	1.03	1.67
7	1.57	.87	1.16	---	---	---	1.77	.34	1.12	1.99	.06	1.09
8	1.35	.24	.89	2.66	1.25	2.11	2.04	.59	1.39	2.31	.95	1.63
9	1.67	.42	1.10	2.10	1.06	1.37	1.96	1.00	1.45	2.47	1.23	1.89
10	1.77	.35	1.12	2.38	.32	1.44	2.57	.64	1.56	2.54	1.68	2.09
11	2.08	.59	1.36	2.31	.67	1.57	2.07	.63	1.30	2.84	1.16	1.97
12	---	---	---	2.58	.58	1.65	1.52	.12	.89	2.26	.77	1.62
13	---	---	---	3.41	.67	2.03	2.01	.48	1.35	1.84	.07	1.23
14	---	---	---	---	---	---	2.80	1.79	2.35	1.72	.07	1.18
15	1.72	.01	1.03	---	---	---	2.21	-1.47	.71	2.23	.37	1.52
16	1.87	.32	1.21	1.54	.08	.85	1.04	-1.49	-.23	2.60	.54	1.82
17	1.79	.55	1.25	1.81	.39	1.03	.50	-.55	.04	2.58	.72	1.84
18	1.80	.33	1.07	1.76	.34	1.07	1.12	-.98	.18	2.32	.52	1.40
19	---	---	---	1.96	.57	1.27	1.12	-.63	.45	1.91	-.12	1.09
20	2.00	.35	1.21	1.49	-.31	.83	1.30	-.55	.55	2.20	.19	1.29
21	---	---	---	.82	-1.07	-.01	2.08	-.02	1.17	1.96	.69	1.26
22	---	---	---	1.75	-.29	.95	2.59	1.50	1.98	1.77	.49	1.04
23	2.02	.77	1.31	1.84	.45	1.20	2.27	.83	1.61	1.89	.09	.83
24	---	---	---	1.75	.10	.97	1.68	.37	1.08	1.09	-.18	.57
25	1.65	.03	1.04	1.44	-.04	.63	1.67	.49	1.17	1.49	.09	.81
26	1.77	.03	1.06	1.01	-.87	.13	2.53	1.40	1.91	1.33	-.06	.77
27	1.75	.39	1.21	2.04	-.18	.87	2.41	.48	1.67	.95	-.15	.57
28	---	---	---	2.36	.88	1.62	1.65	.41	1.18	1.25	-.28	.62
29	---	---	---	2.00	.44	1.17	1.75	-.05	1.07	1.45	-.24	.86
30	---	---	---	1.41	.48	1.01	2.02	-.33	.98	1.64	.07	1.00
31	---	---	---	1.63	.58	1.11	---	---	---	1.63	-.13	.87
MONTH	---	---	---	---	---	---	2.80	-1.49	1.23	3.71	-.28	1.37
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.78	-.04	1.19	2.44	.35	1.41	1.63	.50	1.22	2.04	.69	1.40
2	2.34	.61	1.51	2.02	.55	1.40	1.78	.63	1.12	2.06	.81	1.59
3	2.00	.45	1.24	1.89	.67	1.32	1.83	.90	1.30	2.27	.61	1.55
4	1.82	.30	1.08	1.73	.57	1.15	1.58	.51	1.06	2.11	.18	1.31
5	1.86	.31	1.12	1.52	.49	.93	2.16	.73	1.56	1.88	-.06	1.17
6	1.71	.32	.94	1.17	.28	.72	2.33	.65	1.63	1.74	-.13	.93
7	1.76	.57	1.14	1.55	.47	1.04	2.44	.68	1.73	1.61	-.13	.93
8	1.81	.93	1.30	1.63	.40	1.19	2.53	.50	1.69	1.99	.03	1.08
9	1.76	.71	1.36	2.19	.29	1.37	2.07	-.07	1.25	1.07	-.09	.58
10	1.94	.42	1.35	2.28	.20	1.40	1.84	-.09	1.01	1.98	-.09	.98
11	1.62	-.17	.95	2.02	-.12	1.19	2.03	-.09	1.23	1.78	.61	1.21
12	1.70	-.18	.97	1.67	-.41	.90	1.77	.17	1.08	1.70	.72	1.25
13	1.75	-.18	.85	1.57	-.52	.82	1.32	.00	.75	1.89	.75	1.35
14	1.70	-.15	.89	1.66	-.31	.98	1.05	.03	.52	1.86	.54	1.08
15	1.61	-.39	.81	1.74	-.03	1.15	1.76	.16	.89	1.10	.38	.75
16	1.69	-.30	.81	1.96	.54	1.31	1.89	.82	1.36	1.17	.47	.80
17	1.57	-.26	.83	1.80	.50	1.16	1.80	.60	1.36	1.24	.16	.71
18	1.64	-.07	.98	1.78	.83	1.30	1.64	.58	1.16	1.61	.40	1.08
19	2.05	.70	1.32	1.80	.85	1.21	1.81	.31	1.16	2.06	.56	1.35
20	2.05	1.09	1.55	1.93	.76	1.41	1.96	.17	1.29	2.34	1.12	1.72
21	2.30	1.37	1.75	1.49	.35	1.10	2.09	.33	1.34	2.82	.10	1.90
22	1.82	.77	1.44	1.44	.00	.85	2.19	.47	1.46	2.12	-.10	1.24
23	1.82	.56	1.36	1.34	-.41	.36	2.38	.58	1.64	2.31	.78	1.65
24	1.93	.74	1.51	1.42	-.42	.62	2.21	.64	1.53	2.23	1.00	1.69
25	2.34	.78	1.73	1.64	-.34	.85	2.53	.32	1.60	2.96	1.20	2.21
26	2.72	.66	1.77	1.57	-.20	.82	2.03	-.12	1.19	2.76	1.76	2.27
27	2.35	.41	1.55	1.11	-.92	.10	1.27	-.12	.47	2.85	1.32	2.14
28	2.18	-.06	1.21	1.37	-.80	.21	1.38	-.11	.69	3.25	1.78	2.59
29	1.83	-.06	1.00	1.41	-1.21	.26	1.38	.00	.87	2.78	.49	1.72
30	1.95	-.14	1.03	1.86	-.70	1.19	1.93	.30	.98	2.41	.58	1.23
31	---	---	---	1.91	.52	1.43	1.52	.53	1.03	---	---	---
MONTH	2.72	-.39	1.22	2.44	-1.21	1.00	2.53	-.12	1.20	3.25	-.13	1.38

MISSISSIPPI RIVER DELTA
07387040 VERMILION BAY NEAR CYPREMORT 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, 24,700 microsiemens, Aug. 29, 1999; minimum, 283 microsiemens, Mar. 17, 1998.

WATER TEMPERATURES: Maximum, 33.2°C, July 6, 1998; minimum, 6.0°C, Jan. 5, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 24,700 microsiemens, Aug. 29; minimum, 1,030 microsiemens, Apr. 4.

WATER TEMPERATURES: Maximum, 32.8°C, Aug. 7; minimum, 6.0°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	19200	12900	16300	9550	6990	8370	6840	6430	6610	11300	8250	10500
2	21200	13900	17400	8610	6150	7890	6780	6500	6640	10100	5080	8210
3	19900	14800	16500	9050	8200	8700	6760	5440	6520	9820	7670	9380
4	16200	11500	14700	9300	8900	9140	6950	4860	6540	9560	9210	9380
5	15700	13900	14600	9390	8880	9210	6940	6110	6820	10100	7210	9520
6	14000	10600	12600	9090	8230	8550	6800	4390	6120	10800	5980	8430
7	13300	12700	13100	8830	7920	8140	6740	6210	6600	10200	5980	9060
8	13100	11600	12700	9210	8010	8560	6680	6370	6580	9000	7050	8500
9	11600	9230	10400	8980	8160	8730	6620	6160	6380	8800	7050	8470
10	11300	8900	9470	8630	6370	8100	6510	6210	6390	9450	7230	8450
11	9740	8910	9520	8670	8470	8570	6550	6230	6460	8950	6450	8250
12	9930	9580	9760	8760	7490	8400	6520	5910	6300	9200	5990	8460
13	9780	9610	9690	8770	6270	7870	6790	5960	6340	9350	5040	7860
14	9990	9670	9870	9440	7380	8810	9520	5970	6240	8860	7550	8120
15	9940	9600	9770	9430	8900	9280	17800	6590	10100	8820	5200	8200
16	9940	9340	9590	9390	9060	9200	10700	6600	8310	8840	3620	7200
17	9910	7690	8830	9240	8970	9090	8240	6260	6850	8510	6010	8050
18	10500	6920	8640	9200	9060	9150	13600	7050	10000	7370	5560	6640
19	10800	8810	10100	9170	9090	9130	13400	7510	10200	7890	6130	7360
20	10600	10100	10400	9120	8910	9040	15200	11800	14300	8040	7160	7770
21	10800	10400	10500	9040	8700	8890	14800	11000	13900	8150	5500	7560
22	10700	10400	10500	8900	8000	8540	14600	12300	14200	8090	3640	6480
23	11100	10400	10700	8540	7970	8220	14300	12100	13900	7650	4630	6710
24	10600	9920	10300	8230	7970	8110	14200	13500	14000	7480	6900	7210
25	10100	9380	9710	8090	7660	7890	13700	10900	12500	7160	6890	7010
26	9680	9270	9500	7720	7420	7600	12400	8110	10700	7000	6750	6830
27	9690	9470	9590	7510	7000	7280	11100	7800	10000	6940	6780	6870
28	9690	9550	9630	7290	7030	7140	11400	8050	10900	6910	6200	6800
29	10000	9340	9770	7290	7050	7170	11500	11000	11200	6650	5600	6350
30	9910	8350	9480	7290	6610	6890	11800	10800	11300	6530	6210	6420
31	9760	7900	9210	---	---	---	11800	11300	11500	6650	6430	6530
MONTH	21200	6920	11100	9550	6150	8390	17800	4390	9170	11300	3620	7830

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 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	6560	6290	6430	4330	4190	4250	5670	3990	5070	6780	5470	5800
2	6330	6210	6270	4460	4210	4370	5640	3120	4390	9660	6120	7650
3	6250	6100	6150	4580	4410	4490	5440	2670	3870	9210	5180	7380
4	6190	5620	5890	4690	3650	4460	5650	1030	3770	7770	2050	4620
5	5740	5020	5600	4860	2840	4280	4990	2360	4000	4280	2480	3480
6	5650	3880	5220	5010	4760	4900	5560	4660	5210	5770	3890	4730
7	5440	5130	5330	4920	4540	4800	5290	4250	4900	6060	4500	5410
8	5450	5180	5310	4980	1830	3600	5090	3020	4390	6770	5150	6160
9	5450	5360	5390	4140	1830	2750	5070	3950	4670	6560	4410	5990
10	5380	5110	5260	4010	3000	3520	4670	4260	4430	6170	3420	4950
11	5170	3800	4870	4260	3070	3960	4520	3580	3940	7090	3840	5840
12	5410	3910	4910	4090	1400	3210	3870	3520	3730	7210	5350	6730
13	5060	4120	4540	4290	2450	3450	3950	3140	3790	7520	6900	7190
14	4490	4120	4280	4230	3680	3970	3750	2250	3090	7660	6900	7480
15	4570	4300	4380	4310	1300	3590	3720	2450	3130	7600	5870	7240
16	4630	4260	4490	4840	3550	3920	3760	3410	3590	7380	4070	6160
17	4670	4390	4570	4370	3990	4120	3760	3190	3410	6990	2990	5010
18	5180	4550	4810	7590	3990	4670	3690	3200	3390	6080	3970	5220
19	5100	4800	4940	6280	4810	5720	3490	3060	3270	6060	5160	5720
20	5010	4800	4950	5460	4340	4690	7710	3140	3960	6000	4620	5610
21	4940	4610	4780	4720	4290	4450	13000	7170	8940	5770	4510	5480
22	5680	4650	5040	4780	3950	4370	11800	6640	8870	5770	5520	5660
23	5400	4490	5040	5530	4520	4990	12600	6640	10300	5720	5580	5660
24	4990	4640	4740	5460	5260	5370	10900	8270	9530	5640	5100	5360
25	4770	4600	4660	5400	5040	5230	11500	6900	9030	5450	5100	5270
26	4760	4300	4590	5130	4350	4940	7650	3740	5960	5450	5250	5350
27	4430	3800	4260	4980	4560	4860	6060	1790	4060	5940	5330	5650
28	4550	4140	4300	4750	2760	3950	4860	4580	4780	5880	5300	5600
29	---	---	---	3720	2390	2860	5210	4790	5000	5400	5130	5210
30	---	---	---	4000	1450	3070	5600	4790	5410	5170	5040	5100
31	---	---	---	5380	3770	4370	---	---	---	5110	4940	5030
MONTH	6560	3800	5040	7590	1300	4230	13000	1030	5060	9660	2050	5730
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	4950	4600	4760	2800	2290	2590	13300	2300	6570	23400	21300	22700
2	4800	4380	4600	2680	2180	2440	13600	7370	9530	22900	19500	21900
3	4780	4420	4620	2450	1990	2200	12400	8520	10100	22700	18800	20900
4	4710	4340	4510	2540	2060	2270	19400	11200	15100	22700	21300	22300
5	4610	4060	4410	2730	2490	2560	17600	13800	15800	22800	21200	22400
6	4390	4090	4240	3490	2700	2930	20700	14500	16300	22800	22200	22500
7	4210	3220	3940	3930	2710	3310	18800	15600	17100	22500	22100	22300
8	4290	2910	3880	4250	3480	3890	19000	15800	17500	22200	21600	22000
9	4710	2730	4000	4230	2430	3590	18000	16200	17300	21900	21200	21600
10	4940	2290	4150	4100	2820	3800	18200	16100	17100	22300	17700	22000
11	5270	4610	5060	4160	3520	3830	17700	17000	17300	22600	22000	22200
12	5330	4910	5160	3550	3230	3400	18600	17100	17600	22800	22200	22600
13	5500	4970	5290	3400	3160	3250	18700	17200	18000	22700	20600	22200
14	5290	5060	5180	3700	3050	3340	22000	17400	18600	22500	21600	22200
15	5080	4610	4830	4240	3420	3680	21800	18000	20100	23400	22100	22800
16	5370	4640	4860	4150	3720	3850	21600	20200	20700	23400	21900	22800
17	5170	4810	5010	3720	3490	3600	20800	19100	20100	22600	21300	21800
18	5170	4890	5040	3520	2810	3390	19500	18000	18500	22300	21500	21700
19	5260	4280	5050	3430	2590	3310	18800	18200	18300	21800	21500	21600
20	5170	4030	4970	3290	3000	3170	20800	18200	18900	21700	21300	21500
21	5190	3650	4740	3380	3080	3210	20900	19100	20100	21400	19600	21100
22	6110	3890	5060	3410	3320	3370	24400	19600	22000	21300	21000	21100
23	5990	3720	5210	3480	2990	3340	23700	21400	22800	21700	21000	21400
24	5930	3340	5200	3300	2980	3140	22700	21600	22200	21700	21300	21400
25	5160	2150	4090	3210	2870	3010	22200	20000	21100	21700	20200	21300
26	4730	4010	4430	3100	2910	2980	21600	19300	20600	21600	20300	21200
27	4490	3560	4000	3000	2680	2880	24000	18700	21100	22100	20000	21300
28	3720	3130	3410	2760	2520	2640	23500	20600	22100	22200	18800	21300
29	3420	3010	3210	3120	2440	2640	24700	20000	21900	21800	21200	21400
30	3160	2590	2830	7320	1700	3900	24000	20700	22700	21300	20300	20900
31	---	---	---	6800	1710	4710	24000	23100	23400	---	---	---
MONTH	6110	2150	4520	7320	1700	3230	24700	2300	18400	23400	17700	21800

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPREPOINT, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	31.5	27.8	28.5	24.5	22.9	23.6	22.3	21.1	21.7	13.8	12.0	12.7
2	30.1	28.3	28.7	24.1	23.0	23.5	22.7	21.8	22.2	13.6	11.9	13.1
3	28.5	27.6	28.1	23.0	21.4	22.2	23.0	21.8	22.4	11.9	8.5	9.7
4	27.7	26.8	27.4	21.9	20.9	21.5	23.3	22.2	22.7	8.5	6.7	7.4
5	27.5	26.1	26.8	20.9	17.7	19.3	23.6	22.5	23.0	7.9	6.0	6.9
6	27.3	26.3	26.8	18.0	16.7	17.4	23.7	22.8	23.3	8.6	6.5	7.5
7	26.4	25.0	25.7	17.2	16.3	16.8	24.2	23.2	23.6	10.1	8.0	9.0
8	25.0	23.8	24.3	18.5	16.7	17.5	23.8	19.5	22.3	11.7	9.4	10.2
9	24.4	23.0	23.6	19.6	18.3	18.7	19.5	17.0	17.8	11.9	9.9	11.0
10	24.2	22.9	23.5	19.7	18.7	19.4	17.8	16.4	17.3	9.9	7.6	8.4
11	24.3	23.2	23.6	18.7	17.1	17.7	16.5	15.8	16.2	10.1	8.5	9.2
12	24.5	23.2	23.8	17.4	15.8	16.9	16.2	14.8	15.8	11.8	9.3	10.3
13	24.9	23.1	24.0	16.6	15.6	16.3	14.8	13.0	13.6	12.6	10.9	11.6
14	25.2	23.9	24.5	17.3	16.6	17.0	13.9	12.4	13.2	13.5	12.0	12.6
15	25.3	24.0	24.4	17.8	17.2	17.4	14.3	12.6	13.5	12.8	11.4	12.3
16	26.4	24.5	25.3	18.0	17.5	17.8	14.8	12.4	13.5	13.8	11.9	12.8
17	26.4	25.1	25.8	18.1	17.7	17.9	13.3	12.3	12.9	14.6	13.0	13.8
18	26.5	25.5	25.9	19.0	17.5	18.2	13.8	12.5	13.3	16.0	14.2	15.0
19	27.4	25.7	26.2	20.1	18.3	19.2	15.1	13.1	14.1	16.6	15.2	15.8
20	27.1	25.9	26.4	20.9	19.4	19.9	16.1	13.9	14.9	17.1	16.0	16.5
21	26.5	24.8	25.7	19.4	17.2	18.3	16.9	15.5	16.1	18.4	16.9	17.7
22	24.8	20.6	22.5	18.3	16.6	17.5	16.5	12.2	14.8	18.8	18.0	18.5
23	20.6	19.1	19.9	19.3	18.0	18.6	12.4	10.9	11.8	18.6	15.3	16.9
24	20.5	19.3	19.9	20.0	18.5	19.2	10.9	8.1	10.0	15.3	13.9	14.7
25	21.2	19.6	20.5	20.2	19.4	19.7	8.1	7.3	7.7	16.5	14.7	15.4
26	21.8	20.4	21.1	21.0	19.6	20.3	7.7	7.0	7.4	16.3	15.3	15.8
27	22.0	20.8	21.4	21.6	20.5	21.0	9.2	7.6	8.2	17.7	15.9	16.8
28	22.2	21.1	21.7	21.7	20.9	21.3	10.4	8.7	9.8	19.0	17.3	18.2
29	23.2	21.6	22.2	21.6	20.8	21.2	11.5	10.2	10.7	19.7	18.5	19.0
30	23.4	22.4	22.8	21.8	20.6	21.2	11.9	9.9	10.9	20.0	19.0	19.4
31	24.4	22.4	23.2	---	---	---	12.3	10.6	11.4	19.0	17.7	18.4
MONTH	31.5	19.1	24.3	24.5	15.6	19.2	24.2	7.0	15.4	20.0	6.0	13.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	19.2	17.6	18.4	19.4	17.0	18.1	21.2	18.5	19.6	25.4	23.8	24.5
2	18.9	18.2	18.6	19.0	17.6	18.4	22.3	20.2	21.1	24.9	23.5	24.1
3	18.3	17.6	17.9	18.7	17.2	18.0	22.4	21.4	21.9	24.7	22.9	23.7
4	19.2	17.9	18.4	17.2	15.7	16.4	23.3	21.8	22.4	23.8	23.3	23.6
5	19.0	17.9	18.5	17.4	16.1	16.8	23.5	22.5	23.0	25.2	23.7	24.3
6	20.0	18.6	19.1	20.2	17.3	18.2	23.8	23.1	23.3	25.8	24.6	25.1
7	20.4	19.3	19.8	18.3	16.9	17.4	25.1	23.1	23.7	25.6	24.1	24.9
8	21.4	20.1	20.6	17.4	16.4	17.0	25.6	23.7	24.5	25.8	24.5	25.1
9	21.6	20.6	21.0	20.7	17.3	18.2	25.4	24.3	24.8	26.2	24.5	25.2
10	22.3	21.0	21.5	19.3	17.5	18.2	25.7	24.5	25.1	25.8	25.1	25.3
11	22.3	21.5	21.9	19.9	18.4	19.0	27.5	25.1	26.1	25.2	24.0	24.4
12	21.8	14.8	17.9	19.7	18.9	19.2	26.3	25.3	25.9	24.8	23.9	24.2
13	15.6	14.1	14.8	19.8	17.8	19.2	25.9	24.6	25.3	26.6	24.1	25.0
14	15.1	13.4	14.2	17.8	13.2	15.4	24.9	24.4	24.6	27.9	25.1	26.0
15	15.6	13.7	14.7	14.5	10.4	12.7	24.5	22.4	23.8	27.5	25.3	26.1
16	16.5	14.6	15.5	15.4	13.1	14.1	22.4	18.6	19.5	27.9	26.1	26.7
17	16.1	15.7	15.9	16.7	14.2	15.1	19.0	17.5	18.2	28.6	26.4	27.2
18	16.6	15.2	15.8	18.1	15.4	16.3	20.0	17.1	18.5	28.1	26.8	27.4
19	16.4	14.9	15.7	19.0	16.5	17.3	20.5	18.4	19.5	28.0	26.4	27.2
20	16.4	15.0	15.7	19.4	17.4	18.3	21.5	19.7	20.6	29.2	27.6	28.2
21	15.7	13.3	14.9	19.2	17.2	18.1	22.6	20.5	21.6	28.7	27.4	28.0
22	13.3	9.3	11.5	19.4	17.9	18.6	23.2	21.3	22.3	29.7	27.5	28.6
23	13.5	11.7	12.4	19.0	17.9	18.3	24.8	22.7	23.6	30.0	28.0	28.9
24	14.5	12.2	13.4	20.4	18.6	19.5	26.5	24.1	24.9	30.1	27.8	29.0
25	15.5	13.4	14.4	21.2	19.8	20.5	26.7	24.6	25.4	29.7	28.4	28.9
26	16.6	15.0	15.8	20.1	18.4	19.4	26.4	25.1	25.7	29.4	27.8	28.6
27	17.9	16.3	17.0	18.6	17.5	18.0	26.8	25.2	26.0	30.0	28.0	28.6
28	18.4	16.5	17.4	18.1	17.3	17.7	28.2	25.7	26.9	28.5	27.0	27.9
29	---	---	---	18.7	18.0	18.3	28.8	27.1	27.8	28.4	26.8	27.6
30	---	---	---	18.7	18.0	18.4	27.6	25.0	26.0	28.6	27.1	27.7
31	---	---	---	20.0	18.1	18.7	---	---	---	28.6	26.6	27.6
MONTH	22.3	9.3	16.9	21.2	10.4	17.7	28.8	17.1	23.4	30.1	22.9	26.4

MISSISSIPPI RIVER DELTA

07387040 VERMILION BAY NEAR CYPREMORT POINT, LA

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.8	27.7	28.3	30.7	28.8	29.7	31.5	30.1	30.8	29.9	28.3	29.1
2	28.7	27.2	28.0	30.4	29.0	29.7	31.3	30.1	30.6	28.9	27.8	28.5
3	28.8	27.5	28.2	30.5	29.2	29.8	31.7	30.3	30.9	28.9	27.5	28.1
4	29.2	27.4	28.4	29.9	29.1	29.5	32.2	29.9	31.0	29.0	28.1	28.6
5	29.8	27.9	28.8	29.6	28.6	29.1	31.9	29.8	30.8	30.7	28.4	29.2
6	31.0	28.9	29.7	28.6	28.2	28.4	32.4	30.2	31.1	30.9	29.0	29.8
7	30.1	28.7	29.3	29.1	27.9	28.4	32.8	30.1	31.2	30.4	29.7	30.1
8	30.3	28.7	29.3	29.5	28.3	28.9	32.1	30.9	31.3	30.6	29.4	30.0
9	29.5	28.6	29.2	29.8	28.7	29.1	31.1	30.4	30.8	30.0	28.9	29.5
10	28.7	27.8	28.4	29.5	28.5	29.0	30.6	29.9	30.2	29.5	27.6	28.6
11	28.8	27.8	28.3	30.7	28.7	29.6	30.8	29.4	30.1	29.6	27.8	28.6
12	28.7	27.9	28.3	29.9	28.8	29.4	31.1	29.9	30.5	30.0	27.8	28.7
13	29.6	27.8	28.4	28.8	28.1	28.4	31.4	29.6	30.5	29.8	28.3	29.1
14	30.2	27.9	29.0	29.2	27.7	28.3	31.6	30.0	30.6	29.5	28.0	28.7
15	29.9	29.1	29.5	30.5	27.6	28.7	30.9	28.6	30.1	28.4	26.3	27.1
16	29.3	28.4	28.8	29.2	28.0	28.5	30.6	29.1	29.7	27.4	24.8	25.9
17	29.4	28.1	28.7	29.7	28.2	28.9	32.3	29.3	30.3	26.4	24.4	25.5
18	28.7	27.3	28.1	29.5	28.4	28.8	31.7	29.9	30.8	26.1	24.5	25.4
19	29.1	27.5	28.4	29.1	28.2	28.6	31.6	30.3	30.9	27.3	25.1	26.0
20	29.4	28.0	28.7	28.7	28.1	28.4	31.5	30.0	30.6	27.9	26.5	27.1
21	29.1	28.0	28.4	29.3	27.8	28.5	31.1	30.0	30.5	27.6	26.6	27.2
22	28.7	27.6	28.2	31.5	28.6	29.9	31.3	30.0	30.5	26.6	23.7	24.6
23	29.9	28.2	29.0	32.5	29.6	30.8	31.5	30.0	30.6	23.9	22.5	23.3
24	30.6	28.7	29.5	31.8	29.9	30.6	32.2	30.1	30.9	24.4	22.6	23.3
25	29.8	28.5	29.2	30.6	29.2	29.9	32.1	29.7	30.8	24.6	23.0	23.5
26	28.9	27.9	28.4	31.8	29.0	30.2	32.1	30.2	31.0	25.8	23.4	24.3
27	30.1	28.3	29.1	32.3	29.8	30.9	31.7	30.2	30.8	27.1	24.5	25.5
28	30.8	28.8	29.7	31.6	30.3	30.9	31.5	29.5	30.6	26.2	25.5	25.9
29	30.9	29.2	30.1	32.0	30.0	30.9	31.4	29.6	30.6	26.0	23.7	25.2
30	31.0	29.1	30.0	31.2	30.2	30.6	30.8	29.9	30.2	23.8	22.2	22.7
31	---	---	---	31.6	30.0	30.6	30.0	29.1	29.6	---	---	---
MONTH	31.0	27.2	28.8	32.5	27.6	29.5	32.8	28.6	30.6	30.9	22.2	27.0

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 heights only).

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).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 17.76 ft, Apr. 4, 1997; minimum recorded, 2.45 ft, Sept. 18, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 15.84 ft, Feb. 18; minimum recorded, 2.45 ft, Sept. 18.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.90	6.79	6.27	8.07	---	---	13.79	11.48	11.86	---	---	---
2	5.90	6.84	6.01	8.09	---	---	13.63	11.58	11.70	---	---	---
3	5.90	6.47	5.98	8.12	---	---	13.37	11.71	11.61	---	---	---
4	5.90	6.09	5.97	7.96	---	---	13.05	11.94	11.49	---	---	---
5	5.90	5.96	6.00	7.93	---	---	12.74	12.21	11.35	---	---	---
6	5.90	5.93	6.05	8.12	---	---	12.53	12.40	11.26	---	---	---
7	5.90	5.93	6.18	8.33	---	---	12.32	12.54	11.17	---	---	---
8	5.89	5.93	6.06	8.36	---	---	12.08	12.70	11.06	---	---	4.80
9	5.89	5.92	5.97	8.38	---	---	11.94	12.84	10.95	---	---	4.67
10	5.89	5.96	5.96	8.27	---	---	11.85	13.00	10.89	---	---	4.48
11	5.89	5.92	4.98	8.24	---	---	11.82	13.25	10.84	---	---	4.55
12	5.89	---	---	8.26	---	---	11.75	13.40	10.87	---	---	4.60
13	5.89	5.40	5.25	8.33	---	---	11.62	13.51	10.88	---	---	4.49
14	5.92	5.40	6.89	8.40	---	---	11.55	13.56	10.89	---	---	4.40
15	6.14	5.41	7.00	8.38	---	---	11.47	13.60	10.92	---	---	4.13
16	6.58	5.41	7.25	8.34	---	---	11.33	13.67	10.94	---	---	3.96
17	7.14	5.40	7.55	8.34	---	---	11.18	13.74	10.95	---	---	3.17
18	7.56	7.70	7.76	8.49	15.83	---	11.04	13.77	10.89	---	---	---
19	7.66	7.70	8.26	8.78	15.81	---	10.89	13.76	10.76	---	---	---
20	7.65	7.81	8.48	9.04	15.74	---	10.81	13.73	10.65	---	---	---
21	7.55	7.91	8.56	9.35	15.63	---	10.81	13.70	10.49	---	---	---
22	7.23	8.03	---	---	15.52	---	10.82	13.61	---	---	---	---
23	6.92	8.05	---	---	15.39	---	10.85	13.45	---	---	---	---
24	6.84	7.94	6.09	---	15.21	---	10.90	13.29	---	---	---	---
25	6.55	7.72	6.62	---	15.01	13.84	10.96	13.08	---	---	---	---
26	6.36	7.44	7.07	---	---	13.92	10.95	12.84	---	---	---	---
27	6.37	7.16	8.10	---	---	13.96	11.05	12.65	---	---	---	---
28	6.26	6.92	---	---	---	14.01	11.18	12.47	---	---	---	---
29	6.28	6.76	8.07	---	---	14.03	11.30	12.28	---	---	---	---
30	6.46	6.62	8.00	---	---	14.02	11.38	12.11	---	---	---	---
31	6.67	---	8.04	---	---	13.92	---	12.00	---	---	---	---
MAX	7.66	---	---	---	---	---	13.79	13.77	---	---	---	---
MIN	5.89	---	---	---	---	---	10.81	11.48	---	---	---	---

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.--Records fair, except during periods of estimated daily discharge, which are poor. Small diversion above station. Several measurements of water temperature were made during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	6.3	9.3	100	74	55	202	6.3	378	67	39	e.78
2	5.6	8.7	8.7	1130	34	21	200	5.9	193	73	18	e.70
3	29	7.2	8.5	2280	53	39	105	5.2	101	58	18	e.62
4	592	6.8	8.4	1130	36	37	103	4.8	58	41	35	e4.5
5	204	6.2	8.3	254	30	24	99	4.8	42	65	28	e1.1
6	263	6.2	8.3	140	28	26	167	5.0	35	117	6.8	e.60
7	1590	6.1	15	2680	25	17	101	5.1	32	140	19	e.52
8	1350	6.0	62	4700	18	11	98	8.7	13	67	16	e.50
9	277	6.0	120	4500	15	21	94	6.7	11	221	5.6	e.80
10	74	18	59	2640	14	12	96	6.0	5.6	233	8.6	e3.2
11	31	180	398	869	12	18	78	19	37	169	13	e2.5
12	18	52	667	247	19	14	46	138	34	300	7.9	e1.5
13	8.3	24	365	146	11	1000	46	150	38	1880	22	e2.0
14	9.8	641	129	103	11	3300	33	97	73	2580	7.4	e2.6
15	12	2210	70	84	11	3190	50	63	154	1590	1.5	e2.2
16	9.1	2330	44	64	10	1520	49	55	99	672	e.90	1.9
17	11	933	33	55	231	439	42	41	140	316	e.80	1.5
18	13	206	23	43	552	181	15	32	65	750	e1.4	1.2
19	15	104	55	53	135	155	7.7	21	37	705	e.92	1.0
20	22	71	90	72	56	164	8.3	7.4	18	455	e1.2	.89
21	14	50	53	56	28	137	4.9	14	12	300	e.90	.74
22	8.9	43	33	102	16	102	4.4	13	11	294	e.74	.60
23	7.3	39	34	476	12	124	4.4	6.7	19	149	e1.5	.51
24	6.9	28	64	160	11	152	4.9	5.0	31	137	5.8	.48
25	6.7	22	73	79	11	128	4.9	6.9	109	232	1.5	.47
26	6.6	19	69	41	11	185	5.2	6.6	573	115	e1.1	.47
27	6.5	14	44	21	17	119	17	5.4	426	161	e.80	.45
28	6.5	10	771	22	130	153	47	35	202	110	e.68	.43
29	6.5	9.6	1860	33	---	206	52	83	123	85	e.60	12
30	6.4	9.6	1040	132	---	422	19	77	82	86	e.58	47
31	6.3	---	204	159	---	263	---	207	---	56	e.56	---
TOTAL	4621.1	7072.7	6426.5	22571	1611	12235	1803.7	1141.5	3151.6	12224	265.78	93.76
MEAN	149	236	207	728	57.5	395	60.1	36.8	105	394	8.57	3.13
MAX	1590	2330	1860	4700	552	3300	202	207	573	2580	39	47
MIN	4.7	6.0	8.3	21	10	11	4.4	4.8	5.6	41	.56	.43
AC-FT	9170	14030	12750	44770	3200	24270	3580	2260	6250	24250	527	186
CFSM	1.14	1.80	1.58	5.56	.44	3.01	.46	.28	.80	3.01	.07	.02
IN.	1.31	2.01	1.82	6.41	.46	3.47	.51	.32	.89	3.47	.08	.03

e Estimated

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	131	192	378	465	440	313	332	316	200	226	170	174
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	8.57	1.14
(WY)	1939	1951	1959	1981	1947	1955	1963	1943	1948	1944	1999	1993

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1939 - 1999

ANNUAL TOTAL	120900.4	73217.64	
ANNUAL MEAN	331	201	277
HIGHEST ANNUAL MEAN			523
LOWEST ANNUAL MEAN			87.0
HIGHEST DAILY MEAN	5130	Sep 13	4700
LOWEST DAILY MEAN	1.3	Jun 18	.43
ANNUAL SEVEN-DAY MINIMUM	1.6	Jun 17	.49
INSTANTANEOUS PEAK FLOW			4770
INSTANTANEOUS PEAK STAGE			18.54
INSTANTANEOUS LOW FLOW			.43
INSTANTANEOUS LOW STAGE			b.72
ANNUAL RUNOFF (AC-FT)	239800	145200	201000
ANNUAL RUNOFF (CFSM)	2.53	1.53	2.12
ANNUAL RUNOFF (INCHES)	34.33	20.79	28.78
10 PERCENT EXCEEDS	1010	408	758
50 PERCENT EXCEEDS	44	33	46
90 PERCENT EXCEEDS	4.1	1.5	4.0

a No flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

b Also occurred Sep 28, 29

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.17	1.29	1.46	3.99	3.42	2.94	5.92	1.25	8.10	3.34	2.54	---
2	1.24	1.42	1.43	11.84	2.38	1.98	5.85	1.22	5.71	3.47	1.82	---
3	1.78	1.35	1.42	16.22	2.88	2.47	4.08	1.17	3.97	3.09	1.83	---
4	10.08	1.32	1.41	13.02	2.43	2.46	4.04	1.14	2.93	2.63	2.41	---
5	5.82	1.28	1.41	6.48	2.27	2.08	3.93	1.14	2.53	3.23	2.16	---
6	5.99	1.28	1.41	4.76	2.21	2.13	5.32	1.15	2.34	4.43	1.30	---
7	14.79	1.28	1.69	15.73	2.11	1.83	3.96	1.16	2.24	4.88	1.82	---
8	13.96	1.27	3.00	18.49	1.88	1.61	3.90	1.39	1.62	3.31	1.76	---
9	6.56	1.27	4.41	18.32	1.79	1.96	3.83	1.27	1.56	6.18	1.23	---
10	3.36	1.67	2.95	16.46	1.71	1.65	3.88	1.23	1.25	6.38	1.36	---
11	2.20	5.46	7.84	11.86	1.65	1.87	3.43	1.78	2.25	5.37	1.62	---
12	1.79	2.80	10.73	6.48	1.89	1.73	2.58	4.61	2.28	6.68	1.38	---
13	1.41	1.99	7.83	4.95	1.61	9.57	2.59	4.99	2.38	15.40	1.97	---
14	1.48	8.54	4.58	4.10	1.60	17.32	2.23	3.90	3.28	16.59	1.34	---
15	1.58	16.06	3.27	3.68	1.59	17.21	2.69	3.04	5.04	14.74	.90	---
16	1.45	16.23	2.58	3.16	1.58	14.45	2.66	2.82	3.95	10.72	---	.95
17	1.53	12.05	2.27	2.92	5.13	8.55	2.46	2.45	4.88	7.41	---	.90
18	1.61	5.86	1.99	2.63	9.68	5.55	1.67	2.21	3.28	11.28	---	.86
19	1.72	4.10	2.85	2.89	4.70	5.09	1.34	1.84	2.52	11.02	---	.84
20	1.93	3.31	3.76	3.39	2.97	5.26	1.36	1.32	1.92	8.86	---	.81
21	1.66	2.73	2.80	2.96	2.19	4.74	1.15	1.59	1.67	7.23	---	.79
22	1.44	2.55	2.28	3.75	1.80	4.01	1.11	1.58	1.64	7.15	---	.76
23	1.35	2.45	2.29	9.03	1.65	4.49	1.10	1.27	1.94	5.03	---	.74
24	1.33	2.14	3.09	5.16	1.61	5.03	1.15	1.16	2.34	4.81	1.24	.73
25	1.31	1.94	3.34	3.56	1.60	4.55	1.15	1.29	3.94	6.33	.90	.73
26	1.31	1.84	3.24	2.57	1.59	5.61	1.17	1.27	9.93	4.41	---	.73
27	1.30	1.65	2.56	1.98	1.79	4.39	1.62	1.18	8.55	5.25	---	.72
28	1.30	1.51	9.93	2.00	4.64	5.04	2.59	2.22	5.90	4.31	---	.72
29	1.30	1.48	15.49	2.32	---	5.95	2.73	3.56	4.56	3.78	---	1.46
30	1.29	1.48	12.59	4.61	---	8.55	1.78	3.35	3.70	3.79	---	2.77
31	1.29	---	5.78	5.17	---	6.70	---	5.97	---	3.04	---	---
MAX	14.79	16.23	15.49	18.49	9.68	17.32	5.92	5.97	9.93	16.59	---	---
MIN	1.17	1.27	1.41	1.98	1.58	1.61	1.10	1.14	1.25	2.63	---	---

MERMENTAU RIVER BASIN
08010000 BAYOU DESCANNES NEAR EUNICE, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1949, 1955-56, 1966-68, 1998 to current year.

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JUL 1998										
29...	1000	536	7.2	9.1	3.1	140	32	--	13	--
SEP										
12...	1400	108	7.2	--	--	26	6.3	120	2.4	78
NOV										
17...	1515	130	6.94	17.6	5.3	31	7.5	90	2.9	76
DEC										
16...	1345	--	7.31	--	--	36	8.9	120	3.4	79
JAN 1999										
13...	1200	131	6.91	11.1	10.2	35	8.3	100	3.4	74
FEB										
10...	1245	332	7.18	20.5	5.4	81	20	56	7.6	250
MAR										
10...	1245	341	7.13	18.4	6.3	85	21	18	8.1	230
24...	1430	315	6.96	19.9	5.6	77	19	11	7.1	210
APR										
07...	1430	336	7.38	--	5.2	99	25	14	9.1	260
20...	1215	487	7.59	20.8	3.0	160	--	12	14	690
MAY										
13...	1145	468	7.19	22.8	5.6	120	28	20	11	340
26...	0715	450	7.26	25.3	2.8	120	28	13	12	970
JUN										
09...	1145	371	7.37	27.9	4.4	110	27	12	10	900
24...	1145	--	6.96	29.3	5.3	97	23	12	9.7	610
JUL										
07...	1815	341	7.14	29.2	7.1	84	20	10	8.5	170
28...	1445	273	7.87	30.2	8.0	76	18	12	7.6	230
AUG										
10...	1400	307	7.78	31.0	3.6	88	21	E7	8.8	510
SEP										
01...	1130	324	7.77	28.5	2.4	98	24	E6	9.5	2400
DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	
JUL 1998										
29...	--	--	181	--	--	3.8	--	--	--	
SEP										
12...	5.0	9.0	31	8.6	.1	3.6	.14	.6	.47	
NOV										
17...	4.7	9.9	34	12	.1	3.6	.10	.7	.30	
DEC										
16...	4.1	13	38	15	<.1	6.6	.12	.8	.38	
JAN 1999										
13...	3.2	11	42	13	.2	2.8	<.02	<.1	<.05	
FEB										
10...	5.1	30	98	36	.3	4.7	.06	.7	.73	
MAR										
10...	4.4	33	89	44	.2	5.9	.08	.7	.19	
24...	5.8	27	--	23	.4	23	<.02	.9	.37	
APR										
07...	5.0	27	103	33	.6	6.3	.03	1.1	.70	
20...	6.1	40	161	45	.7	6.4	.07	1.2	.39	
MAY										
13...	5.8	43	138	52	.6	7.3	.52	2.3	.54	
26...	5.4	44	146	41	.5	10	.25	1.0	.75	
JUN										
09...	4.3	39	139	41	.5	3.9	<.02	1.2	.39	
24...	3.4	33	--	31	.4	3.2	.16	1.0	.31	
JUL										
07...	3.0	36	106	37	.4	2.0	.07	.4	.30	
28...	3.5	26	87	27	.3	2.1	.12	.8	.56	
AUG										
10...	3.0	28	100	32	.3	1.1	.05	.5	.10	
SEP										
01...	3.5	27	123	31	.3	3.3	.22	1	.38	

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

MERMENTAU RIVER BASIN

08010000 BAYOU DESCANNES NEAR EUNICE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	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)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP 1998									
12...	.35	.12	.10	8.5	81	--	--	--	--
NOV									
17...	.26	.15	.13	11	92	950	--	.9	.1
DEC									
16...	.31	.12	.11	11	110	430	425	.4	<.1
JAN 1999									
13...	.19	.16	.01	7.9	87	K24	160	.9	E.1
FEB									
10...	.31	.10	.10	15	197	--	80	3.9	.4
MAR									
10...	.25	.06	.06	11	205	--	--	6	.6
24...	.63	.07	.01	8.3	189	200	340	3.4	.2
APR									
07...	.61	.07	.05	8.5	207	135	K100	3.3	.2
20...	.23	.06	.04	11	301	K70	K80	1.6	.3
MAY									
13...	.29	.08	.01	10	271	--	150	4.9	.5
26...	.20	.10	.08	13	283	150	--	4.5	.3
JUN									
09...	.34	.10	.02	16	257	--	62	2.5	.2
24...	.25	.08	.03	16	209	120	320	6.0	1.2
JUL									
07...	.23	.07	.05	21	220	K15	210	9.0	1.1
28...	.33	.10	.08	17	169	233	100	7.4	.7
AUG									
10...	.22	.10	.07	17	177	--	--	5.1	.8
SEP									
01...	.30	.11	.08	18	195	--	--	10.0	2.2

DATE	2,4,5-T DIS- SOLVED (UG/L) (39742)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB CARBO- FURAN, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)
NOV										
17...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
DEC										
16...	<.035	<.15	<.24	<.44	<.035	<.1	<.021	<.55	<.030	<.035
JAN 1999										
13...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
FEB										
10...	<.035	<.15	<.24	<.32	<.035	<.2	<.021	<.55	<.014	<.035
MAR										
10...	<.035	.12	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
24...	<.035	<.15	<.24	<.22	<.035	<.1	<.021	<.9	<.014	<.035
APR										
07...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035

< 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).

MERMENTAU RIVER BASIN

08010000 BAYOU DESCANNES NEAR EUNICE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AM BEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
NOV 17...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
DEC 16...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
JAN 1999 13...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
FEB 10...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
MAR 10...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
24...	<.035	<.12	<.42	<.23	<.017	<.13	<1.2	<.032	<.035
APR 07...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
DATE	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)
NOV 17...	<.02	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
DEC 16...	<.02	<.42	<.013	<.18	<.018	<.17	<.14	<.026	<.017
JAN 1999 13...	.12	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
FEB 10...	<.15	<.42	<.013	.080	<.020	<.17	<.14	<.026	<.017
MAR 10...	.11	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
24...	.09	<.42	<.32	<.035	<.018	<.17	<.14	<.026	<.230
APR 07...	<.02	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017

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MERMENTAU RIVER BASIN

08010000 BAYOU DESCANNES NEAR EUNICE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)		
NOV 17...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25		
DEC 16...	<.015	<.024	<.31	<.018	<.05	<.120	<.035	<.021	<.25		
JAN 1999 13...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25		
FEB 10...	<.015	<.024	<.31	<.240	<.05	<.035	<.035	<.021	<.25		
MAR 10...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25		
24...	<.280	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25		
APR 07...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25		
DATE	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
JUL 1998 29...	7.1	--	--	--	--	--	--	--	--	--	--
SEP 12...	--	--	<.003	<.002	<.002	<.002	.015	<.002	<.002	--	E.206
NOV 17...	7.5	2.6	<.003	<.002	<.002	<.002	.015	<.002	<.002	<.008	E.007
DEC 16...	8.7	3.1	<.003	<.002	<.002	<.002	.014	<.002	<.002	<.008	E.015
JAN 1999 13...	8.7	1.4	<.003	<.002	<.002	<.002	.006	<.002	<.002	<.008	<.003
FEB 10...	8.8	1.6	<.003	<.002	<.002	<.002	.015	<.002	<.002	<.008	E.007
MAR 10...	8.8	1.3	<.003	<.002	<.002	<.002	.020	<.002	<.002	<.008	<.003
24...	9.2	6.4	<.003	<.002	<.002	<.002	.023	<.002	<.002	<.008	<.003
APR 07...	12	5.1	<.003	<.002	<.002	<.002	.035	<.002	<.002	<.008	<.003
20...	16	1.3	<.003	<.002	<.002	<.002	.042	<.002	<.002	--	<.003
MAY 13...	15	2.8	<.003	<.002	<.002	<.002	.051	<.002	<.002	--	E.008
26...	9.4	1.3	<.003	<.002	<.002	<.002	.066	<.002	<.002	--	E.008
JUN 09...	11	3.5	<.003	<.002	<.002	<.002	.037	<.002	<.002	--	<.003
24...	9.3	3.5	<.003	<.002	<.002	<.002	.024	<.002	<.002	--	E.047
JUL 07...	8.5	3.5	<.003	<.002	<.002	<.002	.020	<.002	<.002	--	<.003
28...	7.7	3	<.003	<.002	<.002	<.002	.011	<.002	<.002	--	<.003
AUG 10...	6.1	1.9	<.003	<.002	<.002	<.002	.006	<.002	<.002	--	<.003
SEP 01...	7.8	2.5	<.003	<.002	<.002	<.002	<.010	<.002	<.002	--	<.003

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

MERMENTAU RIVER BASIN

08010000 BAYOU DESCANNES NEAR EUNICE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
SEP 12...	E.109	--	<.004	<.004	<.002	<.002	.039	<.001	<.017	<.002
NOV 17...	<.003	<.48	<.004	<.004	<.002	<.002	.022	<.001	<.017	<.002
DEC 16...	<.003	<.48	<.004	<.004	<.002	<.002	.015	<.001	<.017	<.002
JAN 1999 13...	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
FEB 10...	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
MAR 10...	<.003	<.48	<.004	<.004	<.002	E.004	.005	<.001	<.017	<.002
24...	<.003	<.48	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.002
APR 07...	E.027	<.48	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.002
20...	<.003	--	<.004	<.004	<.002	E.005	<.002	<.001	<.017	<.002
MAY 13...	<.003	--	<.004	<.004	<.002	E.010	<.009	<.001	<.017	<.002
26...	<.003	--	<.004	<.004	<.002	E.006	.03	<.001	<.017	<.002
JUN 09...	<.003	--	.006	<.004	<.002	E.009	.004	<.001	<.017	.005
24...	E.965	--	.013	<.004	<.002	E.009	<.002	<.001	<.017	<.002
JUL 07...	E.151	--	<.004	<.004	<.002	E.007	<.002	<.001	<.017	<.002
28...	<.003	--	<.004	<.004	<.002	<.007	<.002	<.001	<.017	<.002
AUG 10...	E.011	--	<.004	<.004	<.002	E.003	<.002	<.001	<.017	<.002
SEP 01...	<.003	--	<.004	<.004	<.002	<.005	<.002	<.001	<.017	<.002
DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
SEP 12...	<.004	.017	<.003	<.004	<.002	<.005	<.001	.0434	.096	E.004
NOV 17...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.213	<.004
DEC 16...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.316	<.004
JAN 1999 13...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.034	<.004
FEB 10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.915	<.004
MAR 10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.030	<.004
24...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.069	<.004
APR 07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.051	<.004
20...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.065	<.004
MAY 13...	<.004	.022	<.003	<.004	<.002	<.005	<.001	<.006	.020	<.004
26...	<.004	<.006	<.003	<.004	<.002	<.005	<.001	<.006	.037	.039
JUN 09...	<.004	.060	<.003	<.004	<.002	<.005	<.001	<.006	.026	<.004
24...	<.004	.030	<.003	<.004	<.002	<.005	<.001	<.006	.027	<.004
JUL 07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.029	<.004
28...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.036	<.004
AUG 10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.008	<.004
SEP 01...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.008	<.004

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

MERMENTAU RIVER BASIN

08010000 BAYOU DESCANNES NEAR EUNICE, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P.P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
SEP 12...	.015	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.009	<.003
NOV 17...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.011	<.003
DEC 16...	.008	<.003	E.002	<.004	<.004	<.004	<.005	<.002	E.015	<.003
JAN 1999 13...	.007	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.002	<.003
FEB 10...	.007	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.003	<.003
MAR 10...	.009	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
24...	--	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.004	<.003
APR 07...	.872	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
20...	.374	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAY 13...	5.25	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.056	<.003
26...	4.75	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.154	<.003
JUN 09...	2.83	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.014	<.003
24...	2.47	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUL 07...	.583	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
28...	.060	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
AUG 10...	.050	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
SEP 01...	.036	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
SEP 12...	<.007	<.004	<.013	<.005	.462	<.007	<.013	<.002	<.001	<.002
NOV 17...	<.007	<.004	<.013	<.005	.168	<.007	<.013	<.002	<.001	<.002
DEC 16...	<.007	<.004	<.013	<.005	.234	<.007	<.013	<.002	<.001	<.002
JAN 1999 13...	<.007	<.004	<.013	<.005	.081	<.007	<.013	<.002	<.001	<.002
FEB 10...	<.007	<.004	<.013	<.005	.220	<.007	<.013	<.002	<.001	<.002
MAR 10...	<.007	<.004	<.013	<.005	.189	<.007	<.013	<.002	<.001	E.002
24...	<.007	<.004	<.013	<.005	.063	<.007	<.013	<.002	<.001	<.002
APR 07...	<.007	<.004	<.013	<.005	.152	<.007	<.013	<.002	<.001	<.002
20...	<.007	<.004	<.013	<.005	.338	<.007	<.013	<.002	<.001	<.002
MAY 13...	E.00	.112	<.013	<.005	6.33	<.007	<.013	.015	<.001	<.002
26...	<.007	<.004	<.013	<.005	1.58	<.007	<.013	.011	<.001	<.002
JUN 09...	<.007	<.004	<.013	<.005	.654	<.007	<.013	.007	<.001	<.002
24...	<.007	<.004	<.013	<.005	1.29	<.007	<.013	<.007	<.001	<.002
JUL 07...	<.007	<.004	<.013	<.005	E.054	<.007	<.013	<.002	<.001	<.002
28...	<.007	<.004	<.013	<.005	E.352	<.007	<.013	<.002	<.001	<.002
AUG 10...	<.007	<.004	<.013	<.005	.194	<.007	<.013	<.002	<.001	<.002
SEP 01...	<.007	<.004	<.013	<.005	.116	<.007	<.013	<.002	<.001	<.002

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

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, except for the periods of estimated daily discharge, which are poor. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Several measurements of water temperature were made during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e600	23	36	2090	1780	408	1810	63	511	500	140	5.9
2	e670	42	34	2110	1750	382	1520	58	645	299	110	6.6
3	e729	75	35	2670	1600	316	1040	59	605	210	89	6.8
4	e1220	81	35	3120	1500	259	681	59	383	208	83	6.2
5	e715	56	37	3040	1460	219	846	54	226	182	84	9.5
6	e847	43	37	2680	1430	175	1340	53	156	182	64	16
7	e1930	34	33	3670	1340	130	1490	56	121	235	48	14
8	e1690	27	37	5660	1100	104	1340	43	139	227	34	12
9	e1200	23	86	6850	646	124	1190	41	145	196	26	9.8
10	e442	37	112	6510	323	466	1070	53	126	194	21	7.7
11	e208	338	388	5620	201	714	692	77	141	199	21	12
12	e130	350	1290	4900	163	707	379	176	184	260	21	10
13	e76	242	1880	4360	134	1310	265	270	269	623	16	6.8
14	64	693	2060	3860	113	3180	269	254	466	1280	17	4.9
15	54	1640	1920	3330	92	4520	246	202	437	1460	15	3.8
16	43	2060	1580	2760	77	4730	211	152	367	1270	10	3.2
17	37	2060	1290	2170	160	4600	164	110	511	889	8.1	2.8
18	32	1750	886	1380	645	4360	114	89	702	666	11	2.7
19	30	1180	425	714	785	4080	115	80	533	876	12	2.5
20	36	565	282	371	714	3750	124	70	344	963	10	2.3
21	37	273	269	201	519	3340	110	58	236	775	11	2.2
22	35	151	234	163	302	2860	110	60	199	574	8.6	2.0
23	27	100	180	361	185	2320	86	54	281	435	7.4	1.9
24	21	76	148	555	130	1600	72	46	309	415	7.9	2.2
25	17	68	177	549	101	911	71	46	348	966	14	2.4
26	14	62	273	457	79	557	64	41	901	1260	21	2.5
27	14	50	350	333	78	430	58	38	1430	1060	19	2.6
28	14	41	605	242	270	371	60	161	1520	645	15	3.4
29	17	36	1470	235	---	406	61	332	1270	365	11	31
30	20	35	2030	973	---	1080	64	334	845	256	7.5	103
31	21	---	2210	1580	---	1670	---	421	---	205	6.4	---
TOTAL	10990	12211	20429	73514	17677	50079	15662	3610	14350	17875	968.9	298.7
MEAN	355	407	659	2371	631	1615	522	116	478	577	31.3	9.96
MAX	1930	2060	2210	6850	1780	4730	1810	421	1520	1460	140	103
MIN	14	23	33	163	77	104	58	38	121	182	6.4	1.9
AC-FT	21800	24220	40520	145800	35060	99330	31070	7160	28460	35460	1920	592
CFSM	.67	.77	1.25	4.50	1.20	3.07	.99	.22	.91	1.09	.06	.02
IN.	.78	.86	1.44	5.19	1.25	3.53	1.11	.25	1.01	1.26	.07	.02

e Estimated

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	318	521	1129	1503	1511	1165	1087	1045	528	534	409	417
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	9.96
(WY)	1949	1951	1959	1981	1968	1962	1946	1951	1948	1944	1947	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1939 - 1999

ANNUAL TOTAL	402386	237664.6	
ANNUAL MEAN	1102	651	844
HIGHEST ANNUAL MEAN			1639
LOWEST ANNUAL MEAN			283
HIGHEST DAILY MEAN	10400	Jan 15	6850 Jan 9
LOWEST DAILY MEAN	14	Oct 26	1.9 Sep 23
ANNUAL SEVEN-DAY MINIMUM	17	Oct 24	2.2 Sep 19
INSTANTANEOUS PEAK FLOW			6970 Jan 9
INSTANTANEOUS PEAK STAGE			23.24 Jan 9
INSTANTANEOUS LOW FLOW			1.8 Sep 23
INSTANTANEOUS LOW STAGE			1.56 Sep 23
ANNUAL RUNOFF (AC-FT)	798100	471400	611800
ANNUAL RUNOFF (CFSM)	2.09	1.24	1.60
ANNUAL RUNOFF (INCHES)	28.40	16.78	21.77
10 PERCENT EXCEEDS	3320	1790	2590
50 PERCENT EXCEEDS	181	201	168
90 PERCENT EXCEEDS	33	12	12

a Also occurred June 8-31, 1943; June 22-29, 1948

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.48	2.99	17.80	16.64	8.13	16.72	3.22	9.13	9.00	4.79	1.90
2	---	3.08	2.94	17.84	16.56	7.88	15.67	3.11	10.34	6.83	4.31	1.95
3	---	3.80	2.99	18.82	16.06	7.19	13.19	3.13	9.81	5.67	3.94	1.96
4	---	3.93	2.97	19.49	15.64	6.55	10.64	3.14	7.15	5.65	3.85	1.93
5	---	3.44	3.04	19.37	15.44	6.05	11.90	3.01	5.24	5.25	3.88	2.07
6	---	3.11	3.04	18.83	15.27	5.45	14.84	3.01	4.20	5.25	3.50	2.33
7	---	2.87	2.94	20.17	14.86	4.81	15.58	3.05	3.64	6.02	3.14	2.24
8	---	2.63	3.04	22.29	13.58	4.37	14.86	2.75	3.93	5.91	2.76	2.19
9	---	2.49	4.12	23.15	10.30	4.65	14.10	2.70	4.04	5.46	2.52	2.08
10	---	2.84	4.61	22.92	7.24	8.67	13.43	3.00	3.73	5.44	2.36	2.00
11	---	7.66	7.92	22.29	5.82	10.93	10.71	3.48	3.96	5.51	2.36	2.17
12	---	7.84	15.04	21.65	5.29	10.87	7.76	5.15	4.64	6.34	2.35	2.09
13	---	6.51	17.20	21.07	4.88	14.03	6.43	6.48	5.77	10.02	2.21	1.96
14	3.54	10.46	17.66	20.47	4.53	19.51	6.48	6.28	8.04	14.51	2.23	1.85
15	3.31	16.09	17.36	19.77	4.15	21.24	6.17	5.56	7.75	15.44	2.16	1.76
16	3.05	17.48	16.41	18.91	3.87	21.48	5.69	4.78	7.00	14.48	1.95	1.70
17	2.89	17.46	15.07	17.73	5.12	21.33	4.97	4.09	8.68	12.26	1.88	1.66
18	2.73	16.54	12.69	14.99	10.30	21.07	4.17	3.72	10.83	10.53	2.02	1.65
19	2.68	14.04	8.72	10.88	11.50	20.75	4.18	3.56	8.91	12.16	2.07	1.63
20	2.88	9.99	7.14	7.74	10.92	20.33	4.34	3.35	6.72	12.81	2.00	1.61
21	2.89	6.92	6.98	5.81	9.20	19.79	4.10	3.11	5.38	11.41	2.02	1.60
22	2.86	5.18	6.51	5.30	7.02	19.09	4.09	3.16	4.86	9.71	1.94	1.58
23	2.60	4.34	5.72	7.60	5.59	18.10	3.67	3.02	5.97	8.39	1.90	1.57
24	2.38	3.91	5.22	9.55	4.82	15.93	3.40	2.82	6.33	8.13	1.93	1.60
25	2.25	3.75	5.67	9.49	4.31	12.35	3.38	2.82	6.76	12.72	2.18	1.62
26	2.15	3.64	7.01	8.61	3.92	9.56	3.25	2.69	12.14	14.46	2.49	1.63
27	2.12	3.37	7.96	7.38	3.88	8.32	3.10	2.61	15.28	13.37	2.43	1.64
28	2.13	3.13	10.29	6.34	6.62	7.70	3.16	4.78	15.74	10.31	2.27	1.72
29	2.25	2.99	15.89	6.22	---	8.07	3.17	7.25	14.51	7.65	2.10	2.65
30	2.35	2.96	17.65	12.58	---	13.31	3.23	7.27	11.92	6.41	1.97	4.11
31	2.42	---	18.07	15.93	---	16.28	---	8.22	---	5.74	1.92	---
MAX	---	17.48	18.07	23.15	16.64	21.48	16.72	8.22	15.74	15.44	4.79	4.11
MIN	---	2.48	2.94	5.30	3.87	4.37	3.10	2.61	3.64	5.25	1.88	1.57

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: June 7-10, and 12-15. No velocity record for the periods: Jan. 3-23, May 16-17, June 5-15. 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 discharge recorded, 10,900 ft³/s, Jan. 2; maximum negative discharge recorded, -5,550 ft³/s, Aug. 11; no flow at times during the year; maximum gage height, 5.11 ft, Jan. 11; minimum, 0.92 ft, Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-288	-1060	678	4030	2620	43	2860	329	3400	-140	-1640	-97
2	-486	1020	232	7920	3090	263	3400	-20	2960	-243	-1740	-113
3	98	800	278	---	2650	2170	1820	-764	1690	-154	-1180	-94
4	-335	810	-179	---	3580	256	2960	-1190	1680	-658	-1130	-327
5	357	331	-484	---	2200	57	1950	-937	---	-692	-1090	-181
6	1800	237	-1000	---	1920	1110	3090	1390	---	-665	-1320	-179
7	3440	-226	-464	---	1800	1050	1440	439	---	-1020	-1840	-814
8	2820	-468	1520	---	1930	-390	586	-127	---	-1440	-2090	1230
9	2910	-966	903	---	1350	1120	2860	141	---	-1640	-2270	1560
10	3190	687	1280	---	651	292	1700	375	---	-1210	-2470	-354
11	2900	1210	543	---	-158	2050	3050	822	---	-1200	-3060	-704
12	2900	656	1520	---	2100	5340	2210	1300	---	-80	-2250	-714
13	1440	229	2290	---	1130	4360	640	893	---	-228	-992	-433
14	463	2180	2940	---	257	7690	-205	976	---	753	-362	13
15	195	4430	3170	---	449	8230	2740	-138	---	1500	231	94
16	-797	3540	3150	---	649	7150	940	---	5.6	2250	-524	-135
17	-383	3560	3140	---	1860	8030	957	---	658	2780	-390	-127
18	310	4170	2690	---	955	9150	318	1770	452	1800	-469	-119
19	696	4560	2680	---	2530	8410	-714	659	79	1270	-965	-229
20	1840	4810	1540	---	2180	7630	-674	-400	103	219	-816	-379
21	1660	3170	677	---	2450	6880	-1250	-521	27	1170	-979	92
22	1180	1750	2430	---	416	5400	-1070	-361	-1070	964	-1090	89
23	-23	1060	1190	---	1010	5120	-210	-470	-1350	943	-1160	-307
24	77	347	1200	3490	-14	4740	-144	-338	-2050	965	-726	-527
25	185	-225	835	2200	-503	4730	-908	-262	-159	2050	-669	-655
26	39	466	909	1630	-642	4050	-990	-253	553	323	-722	-348
27	-147	304	936	1660	-621	1870	-39	-47	1590	282	-355	-600
28	-290	510	2290	1150	1520	1220	-326	1800	1210	277	-425	-1060
29	-519	-242	2880	5.7	---	1890	598	1710	3260	-492	-434	206
30	-440	-176	3030	2300	---	3570	1340	3020	1830	-1180	-811	291
31	-455	---	3760	3270	---	3370	---	2840	---	-1620	-474	---
TOTAL	24337	37474	46564	---	37359	116851	28929	---	---	4884	-34212	-4921
MEAN	785	1249	1502	---	1334	3769	964	---	---	158	-1104	-164

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.93	2.35	1.81	2.17	2.05	1.90	2.31	1.47	1.84	2.42	1.82	1.33
2	2.89	2.32	1.82	2.57	2.08	1.97	2.35	1.52	1.86	2.32	1.76	1.39
3	2.89	2.16	1.82	2.59	2.10	1.71	2.62	1.57	1.85	2.22	1.70	1.39
4	2.96	2.11	1.88	2.45	2.05	1.86	2.59	1.77	1.81	2.20	1.64	1.40
5	3.24	1.93	1.88	2.48	2.08	1.97	2.64	1.71	1.79	2.13	1.63	1.47
6	3.22	1.94	1.98	2.59	2.14	1.89	2.42	1.42	1.72	2.04	1.65	1.44
7	3.16	1.99	2.00	3.11	2.24	1.62	2.35	1.28	---	2.05	1.67	1.46
8	3.03	2.07	1.69	3.85	2.16	1.96	2.41	1.36	---	2.08	1.66	1.50
9	2.96	2.03	1.68	4.44	2.16	1.95	2.46	1.41	---	2.15	1.65	1.40
10	2.92	2.10	1.61	4.82	2.12	1.87	2.37	1.46	---	2.22	1.65	1.40
11	2.87	1.92	1.63	5.05	2.20	2.03	2.24	1.71	1.84	2.26	1.69	1.47
12	2.77	1.92	1.76	4.89	1.65	2.36	2.07	1.79	---	2.24	1.72	1.43
13	2.63	2.05	1.73	4.34	1.71	2.62	2.08	1.84	---	2.26	1.66	1.38
14	2.54	2.25	1.80	3.67	1.77	2.67	2.28	1.85	---	2.28	1.53	1.24
15	2.49	2.32	1.82	3.16	1.89	2.60	2.04	1.95	---	2.30	1.45	1.22
16	2.57	2.32	1.85	2.97	1.87	2.59	1.74	1.97	2.02	2.34	1.52	1.22
17	2.60	2.31	1.80	2.86	1.87	2.70	1.68	2.02	1.99	2.35	1.56	1.21
18	2.61	2.33	1.88	2.71	2.02	2.74	1.71	1.82	1.93	2.35	1.52	1.22
19	2.55	2.37	1.97	2.57	1.93	2.72	1.78	1.73	1.98	2.33	1.51	1.21
20	2.45	2.30	1.90	2.53	1.95	2.65	1.76	1.77	1.98	2.35	1.49	1.19
21	2.33	2.10	1.94	2.67	1.74	2.49	1.84	1.79	1.99	2.37	1.46	1.09
22	2.10	2.16	1.47	2.79	1.87	2.44	1.95	1.71	2.06	2.31	1.48	1.05
23	2.10	2.13	1.53	2.52	1.95	2.46	1.96	1.68	2.07	2.18	1.49	1.15
24	2.19	2.10	1.44	2.36	1.89	2.42	1.78	1.54	2.08	2.11	1.44	1.19
25	2.22	2.09	1.54	2.24	1.94	2.27	1.75	1.58	2.17	2.22	1.43	1.19
26	2.21	2.01	1.67	2.17	1.94	2.12	1.84	1.55	2.44	2.18	1.38	1.24
27	2.22	1.96	1.75	2.15	2.03	2.11	1.69	1.47	2.58	2.10	1.26	1.20
28	2.25	1.91	1.94	2.13	1.84	2.18	1.61	1.48	2.58	2.02	1.26	1.29
29	2.25	1.92	2.03	2.28	---	2.18	1.52	1.60	2.51	1.99	1.24	1.17
30	2.23	1.95	2.02	2.31	---	2.19	1.37	1.66	2.44	1.95	1.24	1.20
31	2.25	---	2.09	2.10	---	2.22	---	1.78	---	1.90	1.26	---
MAX	3.24	2.37	2.09	5.05	2.24	2.74	2.64	2.02	---	2.42	1.82	1.50
MIN	2.10	1.91	1.44	2.10	1.65	1.62	1.37	1.28	---	1.90	1.24	1.05

MERMENTAU RIVER BASIN
08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1979-93, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1980 to September 1982.

WATER TEMPERATURES: April 1980 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 642 micromhos Oct. 2, 1981; minimum daily, 51 micromhos Feb. 20, 1982.

WATER TEMPERATURES: Maximum daily, 31.0°C July 12, 14, 15, 17-20, 1980; minimum daily, 6.0°C Jan. 17, 1982.

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JUL 10...	1300	390	7.46	31.9	6.5	89	21	--	8.8	--
SEP 12...	1700	137	7.22	--	--	--	--	--	--	--
NOV 12...	0900	201	6.65	19.4	2.2	50	13	80	4.5	67
DEC 15...	0930	235	6.64	15.0	3.1	54	13	110	5.3	302
JAN 12...	1000	68	6.12	11.8	7.1	17	4.0	210	1.6	18
FEB 09...	1000	69	6.28	17.9	4.4	17	4.3	410	1.6	93
MAR 09...	0915	157	6.93	16.5	3.9	37	8.9	130	3.5	43
23...	1215	67	6.49	16.8	4.9	16	4.0	210	1.5	43
APR 08...	0745	--	7.07	23.0	2.1	44	11	65	4.1	100
21...	0730	--	7.11	22.5	1.5	72	18	52	6.8	270
MAY 14...	0730	565	7.03	24.7	1.5	150	34	14	14	350
26...	1500	464	7.58	28.0	5.0	110	26	20	11	460
JUN 08...	0930	286	7.01	26.9	3.3	69	17	22	6.6	210
23...	1115	209	7.09	28.0	4.9	55	13	40	5.4	280
JUL 08...	1500	235	7.13	29.8	5.9	58	14	52	5.8	180
29...	1200	156	7.59	29.2	2.4	41	9.7	39	4.0	62
AUG 10...	0800	205	7.63	31.2	6.7	55	13	41	5.4	210
SEP 02...	1300	226	7.63	31.1	3.2	59	14	18	5.8	250

MERMENTAU RIVER BASIN
08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued
WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 10...	--	--	117	--	--	3.6	--	--	--
SEP 12...	--	--	41	--	--	--	.14	.5	.18
NOV 12...	4.8	16	61	18	<.1	3.3	.19	.8	.13
DEC 15...	4.7	23	65	26	.2	4.2	.18	.7	.17
JAN 12...	2.6	4.9	16	5.8	<.1	2.3	.04	.4	.06
FEB 09...	2.0	5.5	17	6.8	<.1	2.8	.07	.6	.09
MAR 09...	2.9	15	38	--	.2	4.4	.13	.7	.44
23...	1.8	5.8	14	--	<.1	2.4	<.02	.4	.10
APR 08...	3.8	17	44	21	.3	4.4	.11	.8	.38
21...	4.6	27	86	30	.4	3.1	.09	.9	.38
MAY 14...	6.8	59	191	62	.6	5.4	.12	1.4	.37
26...	5.6	47	--	50	.5	5.5	.32	1.2	.33
JUN 08...	3.7	28	82	32	.4	4.1	.04	.9	.58
23...	3.2	--	66	23	.3	3.5	.06	.8	.31
JUL 08...	2.4	23	77	22	.3	3.0	.15	1.6	.19
29...	2.8	14	48	16	.2	1.9	.10	.5	.26
AUG 10...	3.5	19	65	20	.2	2.0	.15	.6	<.05
SEP 02...	3.4	21	74	22	.2	3.1	.09	.6	<.05
DATE	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)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
NOV 12...	.17	.08	.08	14	142	135	--	2.1	E.2
DEC 15...	.26	.07	.07	18	155	200	205	.4	<.1
JAN 12...	.16	.10	.08	5.0	52	--	--	.5	<.1
FEB 09...	.18	.05	.04	6.0	--	104	88	.4	<.1
MAR 09...	.20	.06	.06	8.0	104	--	--	1.2	<.1
23...	.17	.04	.01	4.8	--	100	110	1.6	.1
APR 08...	.47	.05	.04	7.3	116	<5	K55	1.5	<.1
21...	.29	.07	.05	8.0	171	K4	K4	.4	<.1
MAY 14...	.23	.11	.06	11	344	K40	K4	1	.1
26...	.26	.09	.07	12	265	--	--	25	2.5
JUN 08...	.23	.09	.05	12	180	5	15	.5	<.1
23...	.20	.08	.04	12	144	3	240	1.6	.3
JUL 08...	.27	.14	.12	13	167	K30	70	6	.5
29...	.20	.09	.07	9.5	103	75	K55	.7	<.1
AUG 10...	.21	.13	.10	12	124	--	--	4.6	1
SEP 02...	.25	.14	.12	12	135	--	--	3.7	.3

< 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)

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

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)	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)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)
DEC 15...	6	<1	1	90	<1	<1	1	<1	2	<1	<1	<1
JAN 1999 12...	186	<1	1	39	<1	<1	2	<1	1	<1	<1	<1
DATE	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)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)
DEC 15...	1	<1	<1	3	--	--	--	--	--	--	--	--
JAN 1999 12...	<1	<1	<1	3	<.064	<.128	<.132	<.088	<.052	<.32	<.072	<.26
FEB 09...	--	--	--	--	<.064	<.128	<.132	<.088	<.052	<.32	<.072	<.26
MAR 23...	--	--	--	--	<.032	<.064	<.066	<.044	<.026	<.16	<.036	<.13
DATE	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	2,4,5-T DIS- SOLVED (UG/L) (39742)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
NOV 12...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
DEC 15...	--	--	--	<.035	<.15	<.24	--	--	<.17	--	<.035	--
JAN 1999 12...	<.136	<.064	<.156	<.035	<.15	<.24	<1.4	<1.4	<.09	<10	<.035	<2.4
FEB 09...	<.136	<.064	<.156	<.035	<.15	<.24	<1.4	<1.4	<.23	<10	<.035	<2.4
MAR 09...	--	--	--	<.035	.05	<.24	--	--	<.014	--	<.035	--
23...	<.068	<.032	<.078	<.035	<.15	<.24	<.7	<.7	<.014	E4.82	<.035	<1.2
APR 08...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
DATE	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)
NOV 12...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
DEC 15...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
JAN 1999 12...	<.1	<.021	<.55	<.014	<.54	<.24	<.38	<.112	<.088	<.108	E.110	<.064
FEB 09...	<.1	<.021	<.55	<.014	<.54	<.24	<.38	<.112	<.088	<.108	E.028	<.064
MAR 09...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
23...	<.1	<.021	<.57	<.014	<.27	<.12	<.19	<.056	<.044	<.054	E.087	<.032
APR 08...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--

< 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)

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	BENZENE N-BUTYL WATER UNFLTRD	BENZENE N-PROPY WATER UNFLTRD	BENZENE O-DI- CHLORO- WATER UNFLTRD	BENZENE SEC BUTYL- WATER UNFLTRD	BENZENE TERT- BUTYL- WATER UNFLTRD	BENZENE TOTAL (UG/L) (34030)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	BROMO- FORM TOTAL (UG/L) (32104)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	
	REC (UG/L) (77342)	REC (UG/L) (77224)	REC (UG/L) (34536)	REC (UG/L) (77350)	REC (UG/L) (77353)		REC (UG/L) (04029)	TOTAL (UG/L) (81555)	RECOVER (UG/L) (50002)		TOTAL (UG/L) (32104)	REC (UG/L) (49311)	REC (UG/L) (49309)
NOV 12...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12	
DEC 15...	--	--	--	--	--	--	<.10	--	--	--	<.035	<.12	
JAN 1999 12...	<.38	<.084	<.096	<.096	<.2	E.031	<.035	<.072	<.2	<.2	<.035	<.12	
FEB 09...	<.38	<.084	<.096	<.096	<.2	<.200	<.035	<.072	<.2	<.2	<.035	<.12	
MAR 09...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12	
23...	<.19	<.042	<.048	<.048	<.1	E.019	<.035	<.036	<.1	<.1	<.035	<.12	
APR 08...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12	
DATE	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CHLORO- BENZENE TOTAL (UG/L) (34301)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- ETHANE TOTAL (UG/L) (34311)	CHLORO- FORM TOTAL (UG/L) (32106)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DACTHAL MONO- ACID, WAT.FLT GF 0.7U REC (UG/L) (49304)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)		
NOV 12...	--	<.42	--	--	--	--	--	--	<.23	<.017	--		
DEC 15...	--	<.42	--	--	--	--	--	--	<.23	<.017	--		
JAN 1999 12...	<.176	<.42	<.056	<.36	<.24	<.104	<.076	<.18	<.23	<.017	<.42		
FEB 09...	<.176	<.42	<.056	<.36	<.24	E.012	<.076	<.18	<.23	<.017	<.42		
MAR 09...	--	<.42	--	--	--	--	--	--	<.23	<.017	--		
23...	<.088	<.42	<.028	<.18	<.12	<.052	<.038	<.09	<.23	<.017	<.21		
APR 08...	--	<.42	--	--	--	--	--	--	<.23	<.017	--		
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	DICHLOR PROP. WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT.FLT GF 0.7U REC (UG/L) (49299)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)		
NOV 12...	--	<.035	<1.2	--	--	<.032	--	<.035	.05	<.42	--		
DEC 15...	--	<.035	<1.2	--	--	<.032	--	<.035	.24	<.42	--		
JAN 1999 12...	<.1	<.035	<1.2	<.096	<.28	<.032	<.196	<.035	.05	<.42	<.088		
FEB 09...	<.1	<.035	<1.2	<.096	<.28	<.032	<.196	<.035	<.02	<.42	<.088		
MAR 09...	--	<.035	<1.2	--	--	<.032	--	<.035	.11	<.42	--		
23...	<.05	<.035	<1.2	<.048	<.14	<.032	<.098	<.035	.10	<.42	<.044		
APR 08...	--	<.035	<1.2	--	--	<.032	--	<.035	.15	<.42	--		

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

MERMENTAU RIVER BASIN
08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued
WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	ETHANE, 1,1,2,2- TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL- BENZENE TOTAL (UG/L) (34371)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)
NOV 12...	--	--	--	--	--	--	<.013	<.035	--	--	--
DEC 15...	--	--	--	--	--	--	<.013	<.035	--	--	--
JAN 1999											
12...	<.26	<.72	<.34	<.108	<.22	<.060	<.013	<.32	<.064	<.18	<.28
FEB 09...	<.26	<.72	<.34	<.108	<.22	<.060	<.013	<.035	<.064	<.18	<.28
MAR 09...	--	--	--	--	--	--	<.013	<.035	--	--	--
23...	<.13	<.36	<.17	<.054	<.11	E.019	<.013	<.035	<.032	<.9	<.14
APR 08...	--	--	--	--	--	--	<.013	<.035	--	--	--
DATE	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	METH- ACRYLO- NITRATE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)
NOV 12...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
DEC 15...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
JAN 1999											
12...	<.4	<.018	<.17	<.14	<.56	<.7	<.14	<.088	<.026	<.26	<.8
FEB 09...	<.4	<.018	<.17	<.14	<.56	<.7	<.14	<.088	<.026	<.017	<.8
MAR 09...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
23...	<.2	<.018	<.17	<.14	<.28	<.35	<.57	<.044	<.026	<.20	<.14
APR 08...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
DATE	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	METHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)
NOV 12...	--	--	--	--	--	--	--	--	--	<.015	<.024
DEC 15...	--	--	--	--	--	--	--	--	--	<.03	<.024
JAN 1999											
12...	<.42	<.34	<.3	<.5	<.76	<.32	<.74	<.120	<.5	<.015	<.024
FEB 09...	<.42	<.34	<.3	<.5	<.76	<.32	<.74	E.087	<.5	<.015	<.024
MAR 09...	--	--	--	--	--	--	--	--	--	<.015	<.024
23...	<.21	<.17	<.15	<.25	<.38	<.16	<.37	E.075	<.25	<.015	<.024
APR 08...	--	--	--	--	--	--	--	--	--	<.015	<.024

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MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	P-ISO-PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	1,3-DI-CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	PROPENE 3-CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS- SOLVED (UG/L) (39762)
NOV 12...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
DEC 15...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
JAN 1999 12...	<.084	<.31	<.018	<.120	<.05	<.22	<.24	<.4	<.10	<.035	<.021
FEB 09...	<.084	<.31	<.24	E.040	<.05	<.22	<.24	<.4	<.035	<.035	<.021
MAR 09...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
23...	<.042	<.38	<.018	E.029	<.05	<.11	<.12	<.2	<.035	<.035	<.021
APR 08...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
DATE	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	TOLUENE TOTAL (UG/L) (34010)	TRANS-1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	TRI-CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TRI-CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
NOV 12...	--	--	--	--	--	--	--	--	<.25	--	--
DEC 15...	--	--	--	--	--	--	--	--	<.25	--	<1
JAN 1999 12...	<.084	<.2	<.2	<.112	E.053	<.26	<.076	<.18	<.25	<.22	<1
FEB 09...	<.084	<.2	<.2	<.112	E.050	<.26	<.076	<.18	<.25	<.22	--
MAR 09...	--	--	--	--	--	--	--	--	<.25	--	--
23...	<.042	<.1	<.1	<.056	E.074	<.13	<.038	<.09	<.25	<.11	--
APR 08...	--	--	--	--	--	--	--	--	<.25	--	--

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MERMENTAU RIVER BASIN
08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued
WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
JUL 1998									
10...	--	7.3	--	--	--	--	--	--	--
SEP									
12...	--	--	--	<.003	<.002	<.002	<.002	.008	<.002
NOV									
12...	--	9.6	.8	<.003	<.002	<.002	<.002	.289	<.002
DEC									
15...	--	9.5	1.5	<.003	<.002	<.002	<.002	.232	<.002
JAN 1999									
12...	<.74	7.9	2.3	<.003	<.002	<.002	<.002	.017	<.002
FEB									
09...	<.74	11	2.4	<.003	<.002	<.002	<.002	.007	<.002
MAR									
09...	--	9.6	1.6	<.003	<.002	<.002	<.002	.295	<.002
23...	<.37	9.6	.9	<.003	<.002	.012	<.002	.059	<.002
APR									
08...	--	10	2.9	<.003	<.002	.007	<.002	.108	<.002
21...	--	14	4.5	<.003	<.002	.008	<.002	.063	<.002
MAY									
14...	--	16	2.1	<.003	<.002	.019	<.002	.071	<.002
26...	--	14	2.6	<.003	<.002	.013	<.002	.108	<.002
JUN									
08...	--	10	1.2	<.003	<.002	.110	<.002	.260	<.002
23...	--	9.0	1.4	<.003	<.002	.108	<.002	.041	<.002
JUL									
08...	--	9.5	3.9	<.003	<.002	<.002	<.002	.047	<.002
29...	--	7.2	1.4	<.003	<.002	<.002	<.002	.010	<.002
AUG									
10...	--	7.0	1.2	<.003	<.002	<.002	<.002	.016	<.002
SEP									
02...	--	7.3	.8	<.003	<.002	<.002	<.002	.014	<.002

DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
SEP 1998											
12...	<.002	--	E.038	E.066	--	<.004	<.004	<.002	<.002	.008	<.001
NOV											
12...	<.002	<.008	E.022	<.003	<.48	<.004	<.004	<.002	E.005	<.002	<.001
DEC											
15...	<.002	<.008	<.003	<.003	<.48	<.004	<.004	<.002	E.006	<.002	<.001
JAN 1999											
12...	<.002	<.008	<.003	<.003	<.48	<.004	<.004	<.002	E.004	E.003	<.001
FEB											
09...	<.002	<.008	<.003	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001
MAR											
09...	<.002	<.008	E.007	<.003	<.48	<.004	<.004	<.002	E.003	.005	<.001
23...	<.002	<.008	<.003	<.003	<.48	<.004	<.004	<.002	E.005	.005	<.001
APR											
08...	<.002	<.008	<.003	<.003	<.48	<.004	<.004	<.002	E.007	.006	<.001
21...	<.002	--	<.003	<.003	--	<.004	<.004	<.002	E.007	<.002	<.001
MAY											
14...	<.002	--	<.003	<.003	--	<.004	<.004	<.002	E.010	<.002	<.001
26...	<.002	--	<.003	E.051	--	<.004	<.004	<.002	E.010	<.006	<.001
JUN											
08...	<.002	--	E.031	E.705	--	<.010	<.004	<.002	E.019	.006	<.001
23...	<.002	--	E.034	E.744	--	.013	<.004	<.002	E.011	<.002	<.001
JUL											
08...	<.002	--	E.011	E.111	--	<.004	<.004	<.002	E.008	<.002	<.001
29...	<.002	--	E.047	E.147	--	<.004	<.004	<.002	<.006	<.002	<.001
AUG											
10...	<.002	--	E.008	E.012	--	<.004	<.004	<.002	E.004	.007	<.001
SEP											
02...	<.002	--	<.003	E.019	--	<.004	<.004	<.002	E.006	<.002	<.001

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MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)
SEP 1998											
12...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.064
NOV											
12...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.032
DEC											
15...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.023
JAN 1999											
12...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.025
FEB											
09...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.027
MAR											
09...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.083
23...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.017
APR											
08...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.050
21...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.047
MAY											
14...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.033
26...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.052
JUN											
08...	<.017	<.002	<.004	.019	<.003	<.004	<.002	<.005	<.001	<.006	.441
23...	<.017	<.002	<.004	.146	<.003	<.004	<.002	.013	<.001	<.006	.209
JUL											
08...	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.112
29...	<.017	<.002	<.004	.028	<.003	<.004	<.002	.011	<.001	<.006	.040
AUG											
10...	<.017	<.002	<.004	.008	<.003	<.004	<.002	.005	<.001	<.006	.059
SEP											
02...	<.017	<.002	<.004	.009	<.003	<.004	<.002	<.005	<.001	<.006	.040
DATE	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
SEP 1998											
12...	.008	.050	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
NOV											
12...	.015	.005	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.004	<.003
DEC											
15...	<.004	.011	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JAN 1999											
12...	<.004	E.003	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
FEB											
09...	<.004	E.003	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAR											
09...	.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.008	<.003
23...	<.004	.142	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
APR											
08...	.013	.422	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.004	<.003
21...	.008	2.07	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAY											
14...	<.004	1.36	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
26...	.006	5.27	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUN											
08...	.018	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.015	<.003
23...	.013	3.16	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUL											
08...	<.004	.431	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
29...	<.004	.045	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
AUG											
10...	<.004	.046	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
SEP											
02...	<.004	.039	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003

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

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
SEP 1998										
12...	<.007	<.004	<.013	<.005	.383	<.007	<.013	<.002	<.001	E.004
NOV										
12...	<.007	<.004	<.013	.064	.206	<.007	<.013	<.002	<.001	<.002
DEC										
15...	<.007	<.004	<.013	<.005	.138	<.007	<.013	<.002	<.001	<.002
JAN 1999										
12...	<.007	<.004	<.013	.006	.058	<.007	<.013	<.002	<.001	<.002
FEB										
09...	<.007	<.004	<.013	<.005	.031	<.007	<.013	<.002	<.001	<.002
MAR										
09...	<.007	<.004	<.013	.007	.105	<.007	<.013	<.002	<.001	<.002
23...	<.007	<.004	<.013	<.005	.057	<.007	<.013	<.002	<.001	<.002
APR										
08...	<.007	<.004	<.013	<.005	.048	<.007	<.013	<.002	<.001	<.002
21...	<.007	<.004	<.013	<.005	.064	<.007	<.013	<.002	<.001	<.002
MAY										
14...	<.007	<.004	<.013	<.005	.256	<.007	<.013	.152	<.001	<.002
26...	<.007	<.004	<.013	<.005	.298	<.007	<.013	.062	<.001	<.002
JUN										
08...	<.007	<.004	<.013	<.005	.653	<.007	<.013	.026	<.001	<.002
23...	<.007	<.004	<.013	<.005	.205	<.007	<.013	<.007	<.001	<.002
JUL										
08...	<.007	<.004	<.013	<.005	.449	<.007	<.013	<.002	<.001	<.002
29...	<.007	<.004	<.013	<.005	E.651	<.007	<.013	<.002	<.001	<.002
AUG										
10...	<.007	<.004	<.013	<.005	.826	<.007	<.013	<.002	<.001	<.002
SEP										
02...	<.007	<.004	<.013	<.005	.681	<.007	<.013	<.002	<.001	<.002

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

E Estimated.

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 September 1999 (discontinued). 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, -22 ft³/s, Dec. 16, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 1,740 ft³/s, Jan. 8; maximum gage height, 12.42 ft, Mar. 14; maximum negative discharge, -39 ft³/s, Dec. 9; minimum gage height, 5.05 ft, Sept. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.1	-14	-6.8	-7.7	6.3	-4.7	32	6.3	280	68	39	2.9
2	-4.5	-12	-7.1	281	7.4	.83	45	1.2	111	42	56	7.3
3	-7.0	-13	-9.5	296	-1.0	29	55	2.2	52	26	73	5.0
4	5.1	-12	-14	82	5.7	5.8	42	8.4	38	26	57	2.4
5	21	-13	-11	8.4	.26	1.5	20	5.1	24	79	44	1.6
6	69	-18	-10	5.7	2.8	5.6	41	8.4	21	40	25	5.0
7	531	-16	-9.1	957	-6.1	-3.0	32	4.0	21	35	19	8.4
8	194	-12	-3.4	1310	-1.8	-3.2	23	2.0	28	52	22	151
9	44	-11	-20	337	-6.4	9.0	35	3.7	40	71	46	63
10	19	-12	-14	62	-4.1	2.3	50	9.8	74	79	15	22
11	4.5	2.1	-13	20	-6.1	22	48	75	107	68	13	11
12	-3.1	-11	-7.4	5.6	-3.7	343	22	63	73	69	7.6	7.7
13	1.8	-14	-4.6	8.1	-6.8	560	6.6	42	146	152	7.3	6.6
14	-9.6	30	-11	9.5	-11	635	8.2	27	154	94	6.7	5.0
15	-8.6	85	-18	4.0	-8.4	150	47	18	101	70	5.9	2.9
16	-.82	17	-22	9.2	-7.0	42	26	12	89	52	6.1	1.6
17	-5.6	-2.8	-18	6.6	243	22	3.5	12	57	46	2.8	2.9
18	-5.4	-8.1	-19	8.5	570	31	7.2	6.8	37	44	24	2.2
19	-2.3	-9.1	-13	5.2	99	24	-.48	8.6	21	143	19	2.7
20	-2.3	-10	-11	3.0	21	17	28	9.5	12	693	11	4.1
21	-5.0	-4.3	-11	4.7	5.4	4.5	24	3.1	14	300	11	-.39
22	-9.2	176	-9.8	13	-5.7	-2.2	17	5.7	24	112	7.0	-5.1
23	-17	50	-20	68	-4.7	.16	25	.09	29	78	7.2	-6.6
24	-13	7.6	-13	22	-7.9	10	18	5.6	26	86	3.8	-7.6
25	-10	-2.5	-12	7.4	-13	2.2	7.4	-.48	68	259	1.9	-5.4
26	-11	-6.8	-15	-.44	-8.5	30	2.1	4.0	383	122	3.7	-4.4
27	-12	-6.4	-12	.99	-6.8	33	7.9	2.0	515	68	6.2	-1.9
28	-13	-7.3	83	5.7	4.3	31	14	-3.0	281	57	6.8	-5.7
29	-15	-7.1	71	3.3	---	54	9.7	7.7	167	299	5.9	26
30	-13	-7.1	17	4.8	---	146	8.1	56	105	133	.75	95
31	-14	---	3.5	4.7	---	75	---	340	---	65	-2.2	---
MEAN	22.8	4.61	-5.17	114	30.6	73.3	23.5	24.1	103	114	17.8	13.3

MERMENTAU RIVER BASIN

08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.07	6.35	5.95	6.47	6.21	5.99	7.38	5.54	8.09	7.32	6.70	5.46
2	7.01	6.47	5.91	7.83	6.20	6.02	7.21	5.63	7.41	7.01	6.46	5.54
3	7.03	6.31	5.92	9.05	6.16	6.01	7.09	5.66	6.77	6.80	6.32	5.57
4	7.14	6.23	5.96	7.87	6.19	5.89	7.00	5.80	6.42	6.65	6.06	5.57
5	7.47	6.07	5.97	7.31	6.13	6.00	6.85	5.78	6.14	6.69	5.83	5.62
6	7.65	6.01	6.01	6.96	6.21	6.07	6.75	5.63	5.98	6.62	5.80	5.69
7	9.51	6.03	6.11	10.01	6.32	5.79	6.59	5.42	5.94	6.50	5.81	5.87
8	8.48	6.13	5.99	11.90	6.26	5.94	6.57	5.41	6.05	6.47	5.82	6.34
9	7.76	6.10	5.78	10.08	6.23	6.08	6.65	5.52	6.08	6.77	5.92	6.91
10	7.38	6.23	5.79	8.66	6.21	5.94	6.59	5.70	6.30	7.02	5.81	6.57
11	7.12	6.12	5.74	8.18	6.26	6.76	6.53	6.41	6.33	6.96	5.84	6.10
12	6.97	6.03	5.94	8.07	6.09	9.67	6.26	6.72	6.35	7.03	5.85	5.72
13	6.87	6.08	5.88	7.98	5.82	10.78	6.16	6.68	6.80	7.79	5.78	5.57
14	6.73	6.44	5.90	7.76	5.84	12.16	6.29	6.49	7.16	7.67	5.68	5.43
15	6.63	6.93	5.90	7.45	5.92	10.88	6.48	6.33	6.97	7.63	5.62	5.38
16	6.62	6.70	5.93	7.16	5.94	9.84	6.17	6.26	7.15	7.33	5.65	5.37
17	6.68	6.53	5.89	6.98	6.71	9.01	5.83	6.23	6.98	7.14	5.71	5.37
18	6.72	6.42	5.93	6.88	8.16	8.38	5.81	6.14	6.67	7.09	5.71	5.35
19	6.68	6.41	6.05	6.69	7.00	7.88	5.85	5.93	6.37	7.17	5.66	5.36
20	6.64	6.40	5.98	6.64	6.50	7.48	5.89	5.92	6.21	9.06	5.64	5.32
21	6.52	6.36	6.02	6.68	6.16	7.14	5.92	5.95	6.16	8.36	5.62	5.23
22	6.35	7.39	5.86	6.92	5.95	6.86	6.01	5.88	6.23	7.66	5.64	5.13
23	6.19	6.84	5.65	7.20	6.08	6.79	6.10	5.82	6.29	7.19	5.64	5.21
24	6.26	6.51	5.60	6.94	5.96	6.84	5.98	5.69	6.28	6.94	5.56	5.29
25	6.30	6.31	5.64	6.66	6.02	6.76	5.86	5.62	6.61	7.62	5.55	5.29
26	6.29	6.20	5.75	6.43	6.04	6.77	5.92	5.74	8.96	7.34	5.51	5.36
27	6.30	6.09	5.84	6.31	6.12	6.67	5.85	5.66	9.85	7.08	5.41	5.33
28	6.31	6.03	7.10	6.25	6.11	6.66	5.74	5.69	8.81	6.88	5.36	5.41
29	6.32	6.01	7.57	6.34	---	7.01	5.69	5.87	8.13	8.00	5.35	5.83
30	6.31	6.05	7.12	6.49	---	7.76	5.51	6.32	7.69	7.64	5.31	6.48
31	6.32	---	6.75	6.39	---	7.66	---	8.10	---	7.13	5.32	---
MAX	9.51	7.39	7.57	11.90	8.16	12.16	7.38	8.10	9.85	9.06	6.70	6.91
MIN	6.19	6.01	5.60	6.25	5.82	5.79	5.51	5.41	5.94	6.47	5.31	5.13

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: June 26-Aug. 4.

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 discharge, 1,090 ft³/s, Mar. 14; maximum gage height, 11.00 ft, Sept. 15; maximum negative discharge, -282 ft³/s, Nov. 2; minimum gage height, 3.71 ft, June 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	-102	-13	109	60	49	203	19	201	---	---	-9.8
2	18	-31	-23	129	58	34	180	22	194	---	---	-9.0
3	24	1.7	-29	283	51	67	144	15	150	---	---	-6.3
4	-16	-28	-31	273	58	21	134	10	123	---	---	-6.2
5	55	-7.1	-20	200	51	31	112	25	85	---	3.6	-6.8
6	120	-46	-51	143	54	63	118	36	67	---	-9.8	8.3
7	345	-68	-14	185	57	51	112	23	60	---	-13	24
8	549	-56	32	402	57	17	90	11	71	---	-11	29
9	440	-39	17	423	54	50	85	18	73	---	8.6	63
10	268	-25	54	314	55	34	102	40	92	---	-9.7	57
11	146	14	44	187	46	95	113	98	94	---	-14	29
12	85	-18	59	144	70	563	80	128	112	---	-11	9.2
13	81	-57	64	175	45	755	45	138	133	---	-16	.89
14	46	-12	60	161	37	939	18	124	178	---	-6.3	-3.1
15	17	105	55	154	34	947	91	104	170	---	-1.2	-6.1
16	-49	81	50	134	37	767	89	73	170	---	-13	-10
17	-33	57	54	103	71	571	48	67	169	---	-4.8	-6.5
18	-25	10	38	102	152	427	32	71	146	---	6.3	-13
19	-2.9	-20	55	82	147	342	30	53	111	---	-5.0	-8.0
20	39	.25	52	73	109	245	39	38	79	---	-4.2	-8.8
21	25	19	51	63	83	195	35	33	63	---	-6.5	-9.7
22	18	103	71	71	44	153	29	42	63	---	-4.1	-17
23	-26	114	40	104	54	134	40	35	75	---	-4.4	-21
24	-49	81	51	107	40	139	55	33	76	---	-8.9	-17
25	-31	33	40	96	39	130	40	8.7	79	---	-12	-15
26	-31	24	39	80	49	129	17	38	---	---	-13	-12
27	-35	5.0	43	64	52	121	42	38	---	---	-9.0	-9.2
28	-46	-11	142	59	70	113	34	36	---	---	-21	-13
29	-48	-26	247	54	---	138	38	59	---	---	-16	13
30	-44	-18	210	67	---	171	29	92	---	---	-21	44
31	-66	---	155	70	---	216	---	157	---	---	-29	---
TOTAL	1823.1	83.85	1554.87	4611	1734	7707	2224	1684.7	---	---	---	69.89
MEAN	58.8	2.79	50.2	149	61.9	249	74.1	54.3	---	---	---	2.33

MERMENTAU RIVER BASIN

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.75	5.08	4.64	5.10	4.88	4.66	5.65	4.23	5.31	5.70	5.16	4.12
2	5.70	5.16	4.61	5.41	4.88	4.71	5.59	4.30	5.33	5.50	4.93	4.20
3	5.71	5.00	4.62	5.98	4.85	4.64	5.54	4.34	5.14	5.33	4.76	4.21
4	5.81	4.93	4.66	6.00	4.87	4.59	5.54	4.48	4.91	5.22	4.60	4.22
5	6.11	4.76	4.67	5.74	4.82	4.70	5.49	4.46	4.72	5.14	4.47	4.28
6	6.14	4.72	4.72	5.54	4.90	4.74	5.35	4.27	4.61	5.12	4.47	4.30
7	6.30	4.75	4.80	5.83	4.99	4.47	5.20	4.09	4.57	5.04	4.48	4.40
8	6.39	4.84	4.65	6.61	4.94	4.65	5.20	4.11	4.62	5.00	4.48	4.45
9	6.19	4.81	4.49	6.97	4.92	4.75	5.27	4.19	4.61	5.14	4.50	4.80
10	5.94	4.92	4.48	6.88	4.89	4.63	5.19	4.32	4.71	5.30	4.46	4.85
11	5.76	4.80	4.45	6.78	4.95	4.97	5.14	4.70	4.75	5.35	4.50	4.60
12	5.64	4.74	4.60	6.76	4.73	6.63	4.92	4.97	4.82	5.37	4.51	4.34
13	5.52	4.80	4.55	6.63	4.51	7.33	4.84	5.04	5.07	5.58	4.44	4.23
14	5.41	5.04	4.59	6.35	4.53	7.86	4.97	4.97	5.32	5.71	4.34	4.09
15	5.32	5.26	4.61	6.02	4.63	7.92	5.04	4.90	5.30	5.74	4.28	4.04
16	5.33	5.28	4.64	5.78	4.64	7.51	4.73	4.89	5.30	5.65	4.32	4.04
17	5.39	5.18	4.60	5.64	4.82	6.97	4.50	4.88	5.31	5.56	4.37	4.03
18	5.42	5.11	4.65	5.54	5.31	6.51	4.48	4.77	5.13	5.49	4.34	4.02
19	5.37	5.12	4.75	5.37	5.36	6.14	4.53	4.58	4.94	5.39	4.31	4.02
20	5.32	5.10	4.69	5.31	5.07	5.84	4.54	4.58	4.85	5.48	4.29	3.99
21	5.21	4.98	4.72	5.38	4.78	5.61	4.58	4.62	4.81	5.74	4.27	3.91
22	5.03	5.19	4.51	5.59	4.63	5.41	4.68	4.54	4.87	5.75	4.29	3.83
23	4.90	5.26	4.35	5.64	4.75	5.34	4.76	4.49	4.91	5.54	4.29	3.91
24	4.97	5.11	4.28	5.47	4.66	5.35	4.62	4.36	4.91	5.31	4.23	3.97
25	5.01	4.97	4.34	5.26	4.70	5.30	4.53	4.33	5.05	5.47	4.22	3.98
26	5.00	4.88	4.46	5.08	4.72	5.21	4.59	4.38	5.65	5.60	4.17	4.03
27	5.01	4.78	4.55	4.98	4.79	5.12	4.50	4.30	6.24	5.48	4.07	4.00
28	5.03	4.72	5.12	4.94	4.75	5.12	4.40	4.34	6.41	5.29	4.04	4.08
29	5.03	4.71	5.65	5.03	---	5.29	4.34	4.48	6.22	5.43	4.03	4.21
30	5.02	4.75	5.55	5.14	---	5.45	4.17	4.64	5.94	5.61	4.01	4.50
31	5.03	---	5.30	5.02	---	5.64	---	5.00	---	5.45	4.02	---
MAX	6.39	5.28	5.65	6.97	5.36	7.92	5.65	5.04	6.41	5.75	5.16	4.85
MIN	4.90	4.71	4.28	4.94	4.51	4.47	4.17	4.09	4.57	5.00	4.01	3.83

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: Mar. 2; no velocity record: Mar. 2 and 3. 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 discharge, 4,460 ft³/s, Jan. 9; maximum gage height, 10.11 ft, Oct. 5; no flow at times during the year; maximum negative discharge, -1,680 ft³/s, Oct. 4; minimum gage height, 7.65 ft, Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	-232	14	-161	276	-84	-28	-191	-15	212	104	-168
2	118	433	-17	1210	101	---	28	-103	-80	156	77	-171
3	98	130	-24	2530	-214	---	-241	-201	-86	264	3.8	-17
4	-128	-9.6	-21	2390	-31	-402	56	-301	-69	205	-111	-19
5	460	-88	-16	1450	-196	-145	162	-64	-164	212	-177	5.0
6	775	-253	-85	1120	-35	166	450	-92	-47	233	-174	-18
7	1670	-344	11	1820	135	-331	282	-258	60	92	-79	-15
8	1710	29	66	3210	91	-524	113	-241	91	102	5.0	-16
9	1190	-114	-188	4030	43	181	234	-175	66	121	-31	7.1
10	634	475	-140	3460	12	-150	203	-83	-12	253	-210	-28
11	303	862	-117	2730	82	333	328	-6.2	135	527	-147	-26
12	366	290	380	1740	428	1840	40	221	191	431	-12	37
13	333	-31	49	1340	-147	2810	-193	266	-5.9	778	-65	-92
14	159	201	-118	1050	-156	3760	-264	97	325	843	-130	-238
15	-15	684	-179	375	-161	3420	569	46	400	716	-236	-231
16	-269	680	-70	175	59	2640	-111	-78	199	452	-136	-214
17	-285	370	-83	171	42	1800	-155	47	196	351	-43	-210
18	229	116	-265	316	53	1190	-168	91	-81	244	-83	-173
19	245	1.1	48	197	-44	520	-100	-95	-44	190	-117	-109
20	254	142	-52	218	-109	346	-80	-124	-2.3	34	-119	-148
21	197	-189	10	-380	108	148	-249	-150	-88	232	-100	-179
22	158	-143	46	227	-273	-118	-357	-145	-87	208	-26	-232
23	-284	-115	-184	774	-76	53	-6.7	-54	20	273	-51	-131
24	-249	-68	-185	212	-106	235	100	-241	-51	251	-45	-37
25	-109	-37	-188	174	-41	212	-13	-191	70	1040	-31	-95
26	-120	85	-186	40	-12	36	-69	-61	777	1140	-106	-63
27	-129	2.3	-122	138	21	-183	8.6	-126	1060	985	-97	-114
28	-105	45	683	-22	97	-86	-74	-114	901	532	-209	-78
29	-35	-90	839	15	---	342	-171	-87	816	246	-96	-2.3
30	-36	19	291	567	---	232	-295	-61	454	176	-143	-148
31	-188	---	77	722	---	170	---	21	---	162	-127	---
TOTAL	7132	2850.8	274	31838	-53	---	-1.1	-2453.2	4928.8	11661	-2711.2	-2923.2
MEAN	230	95.0	8.84	1027	-1.89	---	-0.037	-79.1	164	376	-87.5	-97.4

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.68	9.12	8.56	8.90	8.76	8.59	8.98	8.26	8.52	9.08	8.53	8.09
2	9.64	9.04	8.57	9.03	8.74	---	9.04	8.25	8.54	9.06	8.46	8.14
3	9.67	8.93	8.60	9.06	8.81	8.31	9.28	8.34	8.54	9.00	8.41	8.12
4	9.78	8.85	8.64	9.07	8.77	8.64	9.30	8.54	8.51	8.96	8.37	8.11
5	10.02	8.69	8.63	9.23	8.82	8.72	9.36	8.43	8.52	8.87	8.35	8.15
6	10.00	8.70	8.73	9.27	8.86	8.60	9.14	8.13	8.48	8.78	8.36	8.13
7	9.93	8.81	8.73	9.37	8.86	8.47	9.02	8.00	8.49	8.79	8.39	8.14
8	9.84	8.81	8.42	9.64	8.82	8.76	9.05	8.09	8.53	8.82	8.37	8.12
9	9.74	8.81	8.47	9.66	8.84	8.63	9.03	8.18	8.52	8.88	8.30	8.07
10	9.66	8.86	8.44	9.67	8.84	8.61	9.00	8.24	8.56	8.95	8.32	8.12
11	9.61	8.77	8.44	9.73	8.89	8.70	8.90	8.48	8.57	8.97	8.38	8.18
12	9.50	8.78	8.41	9.79	8.34	9.14	8.80	8.53	8.58	8.96	8.37	8.17
13	9.38	8.85	8.40	9.71	8.42	9.41	8.84	8.57	8.67	8.99	8.30	8.10
14	9.30	8.96	8.49	9.52	8.53	9.27	8.99	8.60	8.69	9.01	8.21	7.99
15	9.28	9.00	8.51	9.42	8.65	9.31	8.61	8.70	8.71	9.04	8.20	7.94
16	9.38	9.01	8.54	9.43	8.61	9.31	8.41	8.79	8.72	9.05	8.24	7.96
17	9.46	9.01	8.48	9.42	8.58	9.26	8.32	8.80	8.70	9.03	8.27	7.96
18	9.43	8.99	8.66	9.28	8.69	9.17	8.36	8.54	8.67	9.02	8.19	7.94
19	9.34	9.02	8.65	9.22	8.60	9.11	8.41	8.48	8.71	9.03	8.16	7.92
20	9.23	8.93	8.65	9.19	8.70	9.02	8.42	8.50	8.74	9.06	8.16	7.89
21	9.10	8.84	8.69	9.36	8.46	8.91	8.53	8.52	8.76	9.05	8.17	7.82
22	8.92	8.89	8.27	9.46	8.64	8.99	8.70	8.42	8.79	8.97	8.20	7.76
23	8.90	8.86	8.29	9.09	8.66	9.04	8.69	8.35	8.78	8.82	8.20	7.84
24	8.97	8.83	8.20	9.04	8.62	9.00	8.52	8.25	8.79	8.74	8.14	7.89
25	8.99	8.82	8.27	8.94	8.66	8.87	8.47	8.29	8.87	8.88	8.10	7.95
26	8.99	8.75	8.40	8.90	8.67	8.80	8.56	8.26	9.11	8.90	8.02	7.98
27	9.00	8.69	8.53	8.89	8.71	8.86	8.39	8.20	9.22	8.81	7.94	7.93
28	9.01	8.66	8.68	8.91	8.52	8.98	8.31	8.23	9.21	8.70	7.97	8.02
29	9.01	8.70	8.78	9.05	---	8.93	8.24	8.34	9.13	8.64	7.93	7.87
30	8.99	8.69	8.76	8.99	---	8.88	8.16	8.38	9.09	8.62	7.94	7.91
31	9.03	---	8.82	8.80	---	8.86	---	8.47	---	8.59	8.00	---
MAX	10.02	9.12	8.82	9.79	8.89	---	9.36	8.80	9.22	9.08	8.53	8.18
MIN	8.90	8.66	8.20	8.80	8.34	---	8.16	8.00	8.48	8.59	7.93	7.76

MERMENTAU RIVER BASIN
08012470 BAYOU LACCASSINE NEAR LAKE ARTHUR, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998-current year.

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
AUG 19...	1000	271	6.66	29.1	2.8	57	14	--	5.5	--
SEP 12...	1730	148	7.03	--	--	29	7.1	240	2.8	51
NOV 12...	1430	187	6.65	18.0	2.4	41	10	180	3.8	150
DEC 15...	1300	165	6.35	14.8	2.7	36	8.9	290	3.2	210
JAN 12...	1000	86.0	6.38	12.5	5.1	16	3.9	240	1.5	31
FEB 09...	1500	150	6.55	20.9	4.6	32	8.0	200	3.1	170
MAR 09...	1245	142	6.88	18.1	6.3	29	6.9	120	2.8	29
24...	0800	122	7.09	19.0	3.1	26	6.3	110	2.4	96
APR 08...	1200	--	6.73	24.9	2.3	47	12	54	4.4	170
21...	1100	190	7.22	22.2	4.4	43	11	21	4.0	120
MAY 13...	1430	184	6.52	24.5	3.8	35	8.2	27	3.6	41
26...	1115	220	7.46	28.7	5.4	42	9.8	27	4.3	180
JUN 08...	1245	254	6.91	28.8	6.3	44	9.6	18	4.9	180
24...	0830	253	6.97	29.3	5.3	49	11	23	5.0	150
JUL 08...	1230	207	6.63	28.1	4.6	46	11	110	4.4	170
29...	0815	138	7.08	28.4	.8	32	7.7	93	3.1	100
AUG 10...	1000	141	7.33	32.0	5.2	31	7.4	73	3.0	81
SEP 02...	0930	212	7.28	30.2	3.4	43	9.5	14	4.7	17
DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	
AUG 19...	--	--	66	--	--	3.0	--	--	--	
SEP 12...	1.2	15	34	19	.2	3.2	.10	.6	.11	
NOV 12...	4.8	16	46	23	.2	3.6	.20	1	.15	
DEC 15...	4.8	14	38	21	.3	3.9	.23	.8	.08	
JAN 12...	3.3	7.0	14	9.4	<.1	3.9	.08	.5	.06	
FEB 09...	3.2	14	31	19	.2	4.0	.26	.9	.11	
MAR 09...	3.2	14	--	20	.2	3.5	.05	.7	.31	
24...	2.6	13	--	17	.2	4.6	.12	.7	.11	
APR 08...	4.5	22	42	34	.4	6.1	.06	.8	.40	
21...	3.8	22	--	30	.3	4.8	.02	.8	.33	
MAY 13...	3.1	20	34	28	.2	6.8	.18	.9	.40	
26...	3.1	24	--	32	.2	7.0	.10	.7	.25	
JUN 08...	3.7	26	40	41	.2	7.8	<.02	.6	.19	
24...	3.3	28	47	39	.3	6.4	.02	.8	<.05	
JUL 08...	1.3	21	50	26	.3	3.7	.12	.2	<.05	
29...	4.0	13	35	17	.2	3.8	.15	.7	.07	
AUG 10...	3.7	13	32	17	.2	4.1	<.02	.4	<.05	
SEP 02...	2.9	26	48	33	.2	4.3	.03	.5	<.05	

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

MERMENTAU RIVER BASIN

08012470 BAYOU LACCASSINE NEAR LAKE ARTHUR, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	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)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	
SEP 1998										
12...	.12	.05	.04	8.4	95	--	--	--	--	
NOV										
12...	.16	E.04	.04	12	134	--	--	1.6	E.1	
DEC										
15...	.23	.06	.06	9.7	119	K5	K10	.8	<.1	
JAN										
12...	.16	.06	.05	4.5	61	--	--	.4	<.1	
FEB										
09...	.34	.05	.04	7.3	102	K20	K40	.9	<.1	
MAR										
09...	.35	.03	.04	8.1	105	--	--	1.4	.1	
24...	.31	.04	.02	6.0	90	--	--	1.7	<.1	
APR										
08...	.75	.05	.04	8.2	140	K33	K8	1.1	<.1	
21...	.51	.04	.03	7.7	131	<5	K15	.1	<.1	
MAY										
13...	.34	.04	.03	6.9	121	--	K22	1	<.1	
26...	.3	.06	.05	7.8	137	--	--	.3	<.1	
JUN										
08...	.31	.08	.05	7.3	154	5	70	1.5	<.1	
24...	.28	.06	.02	8.8	153	K10	K85	1.3	.1	
JUL										
08...	.26	.11	.10	13	148	K10	60	2.6	.4	
29...	.24	.12	.09	8.3	91	52	K15	1.7	.2	
AUG										
10...	.21	.09	.06	8.1	90	--	--	10	.5	
SEP										
02...	.096	.04	.02	9.5	124	--	--	1.9	.2	
DATE	2,4,5-T DIS-SOLVED (UG/L) (39742)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	3HYDRXY CARBO- FURAN WAT.FLT GF 0.7U REC (UG/L) (49308)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDI- CARB SULFONE WAT.FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT.FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)
NOV										
12...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
DEC										
15...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
JAN 1999										
12...	<.035	<.15	<.24	<.36	<.035	<.1	<.021	<.55	<.014	<.035
FEB										
09...	<.035	<.15	<.24	<.10	<.035	<.1	<.021	<.55	<.014	<.035
MAR										
09...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.035
24...	<.035	<.15	<.24	<.11	<.035	<.1	<.021	<.89	<.014	<.91
APR										
08...	<.035	<.15	<.24	<.014	<.035	<.1	<.021	<.55	<.014	<.34

< 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).

MERMENTAU RIVER BASIN

08012470 BAYOU LACCASSINE NEAR LAKE ARTHUR, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOR-AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DACTHAL-MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLOR-PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
NOV 12...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
DEC 15...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
JAN 1999 12...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
FEB 09...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
MAR 09...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
24...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
APR 08...	<.035	<.12	<.42	<.23	<.017	<.035	<1.2	<.032	<.035
DATE	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)
NOV 12...	1.4	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
DEC 15...	.35	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
JAN 1999 12...	.18	<.42	<.013	<.130	<.018	<.17	<.14	<.026	<.017
FEB 09...	.06	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
MAR 09...	.04	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
24...	.52	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
APR 08...	.23	<.42	<.013	<.035	<.018	<.17	<.14	<.026	<.017
DATE	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS-SOLVED (UG/L) (39762)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
NOV 12...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	.30
DEC 15...	<.040	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25
JAN 1999 12...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25
FEB 09...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25
MAR 09...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25
24...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25
APR 08...	<.015	<.024	<.31	<.018	<.05	<.035	<.035	<.021	<.25

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

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
AUG 1998											
19...	9.4	--	--	--	--	--	--	--	--	--	--
SEP											
12...	--	--	<.003	<.002	<.002	<.002	.060	<.002	<.002	--	E.015
NOV											
12...	11	1.6	<.003	<.002	<.002	<.002	2.78	<.002	<.002	<.008	E.008
DEC											
15...	13	1.5	<.003	<.002	<.002	<.002	E.293	<.002	<.002	<.008	<.003
JAN 1999											
12...	7.7	2.8	<.003	<.002	<.002	<.002	.226	<.002	<.002	<.008	<.003
FEB											
09...	9.8	3.0	<.003	<.002	<.002	<.002	.065	<.002	<.002	<.008	<.003
MAR											
09...	15	2.5	<.003	<.002	<.002	<.002	.057	<.002	<.002	<.008	E.009
24...	9.1	1.5	<.003	<.002	<.002	<.002	.487	<.002	<.002	<.008	<.003
APR											
08...	11	5.0	<.003	<.002	<.002	<.002	.150	<.002	<.002	<.008	<.003
21...	24	5.1	<.003	<.002	<.002	<.002	.164	<.002	<.002	--	<.003
MAY											
13...	9.9	4.8	<.003	<.002	.010	<.002	.298	<.002	<.002	--	<.003
26...	8.5	2.5	<.003	<.002	.011	<.002	.306	<.002	<.002	--	<.003
JUN											
08...	8.9	1.9	<.003	<.002	.007	<.002	.302	<.002	<.002	--	<.003
24...	8.8	2.9	<.003	<.002	<.009	<.002	.251	<.002	<.002	--	E.126
JUL											
08...	9.4	.6	<.003	<.002	<.002	<.002	.244	<.002	<.002	--	E.011
29...	7.9	1	<.003	<.002	.009	<.002	.040	<.002	<.002	--	E.048
AUG											
10...	7.1	1.3	<.003	<.002	<.002	<.002	.039	<.002	<.002	--	E.002
SEP											
02...	8.8	1.0	<.003	<.002	<.002	<.002	.046	<.002	<.002	--	<.003

DATE	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
SEP 1998										
12...	E.026	--	<.004	<.004	<.002	E.005	<.002	<.001	<.017	<.002
NOV										
12...	<.003	<.48	<.004	<.004	<.002	E.037	.007	<.001	<.017	<.002
DEC										
15...	E.013	<.48	<.004	<.004	<.002	E.019	<.002	<.001	<.017	<.002
JAN 1999										
12...	<.003	<.48	<.004	<.004	<.002	E.021	<.002	<.001	<.017	<.002
FEB										
09...	<.003	<.48	<.004	<.004	<.002	E.006	<.002	<.001	<.017	<.002
MAR										
09...	<.003	<.48	<.004	<.004	<.002	E.006	<.002	<.001	<.017	<.002
24...	<.003	<.48	<.004	<.004	<.002	E.014	<.002	<.001	<.017	<.002
APR										
08...	<.003	<.48	<.004	<.004	<.002	E.007	<.002	<.001	<.017	<.002
21...	<.003	--	<.004	<.004	<.002	E.010	<.002	<.001	<.017	<.002
MAY										
13...	<.003	--	<.004	<.004	<.002	E.021	<.002	<.001	<.017	<.002
26...	<.003	--	<.004	<.004	<.002	E.017	<.002	<.001	<.017	<.002
JUN										
08...	<.003	--	<.004	<.004	<.002	E.020	<.002	<.001	<.017	<.002
24...	E.116	--	<.004	<.004	<.002	E.022	<.002	<.001	<.017	<.002
JUL										
08...	E.062	--	<.004	<.004	<.002	E.018	<.002	<.001	<.017	<.002
29...	<.003	--	<.004	<.004	<.002	E.009	<.002	<.001	<.017	<.002
AUG										
10...	<.003	--	<.004	<.004	<.002	E.0071	<.002	<.001	<.017	<.002
SEP										
02...	<.003	--	<.004	<.004	<.002	E.087	<.002	<.001	<.017	<.002

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

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFO S WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
SEP 1998										
12...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.080	.011
NOV										
12...	<.004	<.003	<.003	<.004	<.002	.010	<.001	<.006	.014	.012
DEC										
15...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.012	E.004
JAN 1999										
12...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.018	<.005
FEB										
09...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.009	<.004
MAR										
09...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.010	<.004
24...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.020	.150
APR										
08...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.032	.051
21...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.022	.060
MAY										
13...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.020	.023
26...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.021	.013
JUN										
08...	<.004	<.003	<.003	<.004	<.002	.006	<.001	<.006	.018	<.015
24...	<.004	<.003	<.003	<.004	<.002	.018	<.001	.013	.070	.029
JUL										
08...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.673	.062
29...	<.004	<.003	<.003	<.004	<.002	.024	<.001	<.006	.098	.023
AUG										
10...	<.004	<.003	<.003	<.004	<.002	E.004	<.001	<.006	.092	.009
SEP										
02...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.049	<.004
DATE	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P.P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
SEP 1998										
12...	.017	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
NOV										
12...	.189	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
DEC										
15...	E.005	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JAN 1999										
12...	E.003	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
FEB										
09...	E.003	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.002	<.003
MAR										
09...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
24...	.022	<.003	<.006	<.004	<.004	<.009	<.005	<.002	E.006	<.003
APR										
08...	2.96	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.003	<.003
21...	3.45	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.003	<.003
MAY										
13...	.240	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
26...	1.37	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUN										
08...	.779	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
24...	1.00	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUL										
08...	1.16	<.003	<.006	<.004	<.004	<.004	<.005	<.002	.020	<.003
29...	.084	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.020	<.003
AUG										
10...	.042	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.010	<.003
SEP										
02...	.006	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.006	<.003

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

MERMENTAU RIVER BASIN

08012470 BAYOU LACCASSINE NEAR LAKE ARTHUR, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
SEP 1998										
12...	<.007	<.004	<.013	<.005	.080	<.007	<.013	<.002	<.001	<.002
NOV										
12...	<.007	<.004	<.013	.013	.036	<.007	<.013	<.002	<.001	<.002
DEC										
15...	<.007	<.004	<.013	<.005	E.034	<.007	<.013	<.002	<.001	<.002
JAN 1999										
12...	<.007	<.004	<.013	<.005	.030	<.007	<.013	<.002	<.001	E.001
FEB										
09...	<.007	<.004	<.013	<.005	.039	<.007	<.013	<.002	<.001	<.002
MAR										
09...	<.007	<.004	<.013	.005	.036	<.007	<.013	<.002	<.001	<.002
24...	<.007	<.004	<.013	.167	.027	<.007	<.013	<.002	<.001	<.002
APR										
08...	<.007	<.004	<.013	.055	.025	<.007	<.013	<.002	<.001	<.002
21...	<.007	<.004	<.013	.061	E.021	<.007	<.013	<.002	<.001	<.002
MAY										
13...	<.007	<.004	<.013	.048	.066	<.007	<.013	.006	<.001	<.002
26...	<.007	<.004	<.013	.041	.077	<.007	<.013	.042	<.001	<.002
JUN										
08...	<.007	.107	<.013	.028	.085	<.007	<.013	.024	<.001	<.002
24...	<.007	<.004	<.013	.031	.070	<.007	<.013	<.009	<.001	<.002
JUL										
08...	<.007	<.004	<.013	<.005	.076	<.007	<.013	<.002	<.001	<.002
29...	<.007	<.004	<.013	<.005	E.056	<.007	<.013	<.002	<.001	<.002
AUG										
10...	<.007	<.004	<.013	<.005	E.052	<.007	<.013	<.002	<.001	<.002
SEP										
02...	<.007	<.004	<.013	<.005	.217	<.007	<.013	<.002	<.001	<.002

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

E Estimated.

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. Gage-height 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)
Nov 17	1430	15,300	16.52	Jan 31	0830	10,200	15.80
Dec 15	0630	15,100	16.70	Feb 2	2200	8,300	15.38
Jan 8	0800	4,060	14.15	Apr 7	2300	*19,800	*17.24

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	44	172	1340	6320	209	1010	90	134	216	44	25
2	68	54	158	1740	7090	274	1150	86	146	144	42	25
3	67	50	147	2320	7270	400	1240	78	164	96	39	24
4	73	48	137	2460	4970	579	2540	74	197	73	38	24
5	79	54	130	2550	3660	713	5260	71	217	62	36	24
6	110	64	125	2960	2900	748	8670	68	194	55	35	26
7	152	62	133	3750	2250	566	16400	65	135	52	34	28
8	169	62	200	3970	1460	387	16300	63	90	52	33	29
9	250	62	266	3650	846	311	8670	61	70	61	32	28
10	303	57	374	3520	548	255	5130	61	64	90	31	28
11	262	55	1000	3190	412	215	3740	68	68	125	31	26
12	199	163	2510	3070	338	208	2850	68	66	155	30	28
13	142	408	6240	3200	288	760	1840	76	77	149	30	28
14	102	860	11500	3160	250	1520	821	84	122	82	29	27
15	83	1350	14400	2790	218	1530	360	88	168	62	29	26
16	72	3270	9780	2210	197	1540	234	83	133	55	28	30
17	66	14300	5720	1480	188	1810	187	77	96	54	28	29
18	61	13100	4020	889	185	2240	161	70	83	93	28	27
19	58	9250	3190	568	178	2920	144	63	77	249	27	26
20	55	6340	2560	411	171	2940	131	59	67	233	27	25
21	54	4710	1910	340	168	2270	122	57	60	143	27	24
22	52	3720	1220	420	165	1200	114	54	56	103	26	23
23	51	2990	841	537	163	523	106	53	54	83	26	22
24	51	2230	695	646	164	298	99	51	54	83	26	22
25	50	1280	649	760	161	330	94	49	55	88	26	22
26	50	638	669	819	150	515	91	48	71	73	25	22
27	49	356	708	904	145	490	91	47	141	59	25	22
28	48	261	917	1040	155	551	89	50	259	55	25	22
29	47	216	1150	1290	---	579	85	61	305	52	27	26
30	46	190	1240	6020	---	701	88	67	283	50	27	30
31	44	---	1310	9550	---	881	---	76	---	48	25	---
TOTAL	2987	66244	74071	71554	41010	28463	77817	2066	3706	2995	936	768
MEAN	96.4	2208	2389	2308	1465	918	2594	66.6	124	96.6	30.2	25.6
MAX	303	14300	14400	9550	7270	2940	16400	90	305	249	44	30
MIN	44	44	125	340	145	208	85	47	54	48	25	22
AC-FT	5920	131400	146900	141900	81340	56460	154400	4100	7350	5940	1860	1520
CFSM	.19	4.43	4.79	4.63	2.94	1.84	5.20	.13	.25	.19	.06	.05
IN.	.22	4.94	5.52	5.33	3.06	2.12	5.80	.15	.28	.22	.07	.06

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1999, BY WATER YEAR (WY)

MEAN	221	516	1113	1588	1616	1349	1147	987	388	255	150	191
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 1998 CALENDAR YEAR				FOR 1999 WATER YEAR				WATER YEARS 1944 - 1999			
ANNUAL TOTAL	404218				372617				790			
ANNUAL MEAN	1107				1021				1659			
HIGHEST ANNUAL MEAN									227			
LOWEST ANNUAL MEAN									1970			
HIGHEST DAILY MEAN	15800				16400				55900			
LOWEST DAILY MEAN	20				22				15			
ANNUAL SEVEN-DAY MINIMUM	21				22				16			
INSTANTANEOUS PEAK FLOW					19800				59500			
INSTANTANEOUS PEAK STAGE					17.24				21.55			
INSTANTANEOUS LOW FLOW					22				15			
INSTANTANEOUS LOW STAGE					4.74				3.86			
ANNUAL RUNOFF (AC-FT)	801800				739100				572100			
ANNUAL RUNOFF (CFSM)	2.22				2.05				1.58			
ANNUAL RUNOFF (INCHES)	30.13				27.78				21.50			
10 PERCENT EXCEEDS	3130				3020				2110			
50 PERCENT EXCEEDS	137				133				170			
90 PERCENT EXCEEDS	25				28				32			

a Also occurred on Sep 28, 1954.

b Also occurred on Sep 28-29.

* Occurred many days in Sep.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.01	5.33	7.50	12.18	14.88	7.91	11.52	6.30	6.99	7.97	5.34	4.83
2	5.88	5.56	7.32	12.64	15.08	8.51	11.79	6.21	7.16	7.12	5.27	4.83
3	5.84	5.48	7.17	13.19	15.13	9.38	11.96	6.07	7.40	6.39	5.22	4.82
4	5.97	5.43	7.04	13.30	14.48	10.25	13.07	6.00	7.78	5.98	5.17	4.81
5	6.09	5.57	6.94	13.36	13.97	10.73	14.35	5.95	8.00	5.75	5.13	4.81
6	6.61	5.78	6.87	13.61	13.58	10.85	15.25	5.88	7.74	5.59	5.10	4.86
7	7.25	5.75	6.98	14.02	13.13	10.19	16.68	5.82	7.00	5.52	5.08	4.93
8	7.45	5.75	7.80	14.11	12.30	9.32	16.67	5.77	6.29	5.53	5.05	4.96
9	8.30	5.74	8.45	13.97	11.13	8.81	15.23	5.72	5.92	5.73	5.03	4.92
10	8.75	5.63	9.20	13.91	10.12	8.35	14.32	5.73	5.78	6.27	5.01	4.92
11	8.41	5.59	11.45	13.75	9.46	7.98	13.80	5.86	5.88	6.86	5.00	4.88
12	7.80	7.30	13.22	13.68	9.01	7.89	13.34	5.87	5.84	7.25	4.98	4.92
13	7.10	9.37	14.83	13.75	8.63	10.65	12.60	6.03	6.04	7.18	4.97	4.93
14	6.50	11.11	16.03	13.73	8.30	12.29	10.98	6.18	6.80	6.14	4.96	4.90
15	6.16	12.08	16.57	13.51	8.01	12.30	9.12	6.26	7.45	5.74	4.95	4.88
16	5.97	13.25	15.68	13.10	7.78	12.31	8.15	6.17	6.97	5.59	4.92	4.99
17	5.82	16.34	14.71	12.33	7.68	12.59	7.67	6.05	6.40	5.56	4.92	4.96
18	5.72	16.12	14.13	11.25	7.65	12.96	7.36	5.92	6.17	6.28	4.91	4.89
19	5.65	15.38	13.74	10.20	7.57	13.39	7.13	5.77	6.05	8.29	4.90	4.86
20	5.60	14.68	13.36	9.45	7.49	13.40	6.95	5.69	5.85	8.14	4.89	4.83
21	5.56	14.18	12.82	9.03	7.45	12.97	6.82	5.63	5.70	7.11	4.89	4.81
22	5.52	13.79	11.96	9.50	7.41	11.78	6.69	5.58	5.61	6.52	4.88	4.78
23	5.51	13.43	11.13	10.08	7.39	9.96	6.56	5.55	5.56	6.16	4.87	4.77
24	5.49	12.94	10.67	10.50	7.40	8.71	6.45	5.50	5.56	6.16	4.87	4.76
25	5.47	11.94	10.51	10.89	7.36	8.89	6.36	5.45	5.59	6.25	4.86	4.75
26	5.47	10.44	10.58	11.08	7.22	9.99	6.30	5.43	5.92	5.97	4.85	4.75
27	5.45	9.11	10.72	11.32	7.15	9.88	6.31	5.41	7.04	5.68	4.84	4.75
28	5.43	8.41	11.32	11.63	7.28	10.15	6.27	5.48	8.39	5.59	4.84	4.74
29	5.40	7.99	11.85	12.01	---	10.25	6.20	5.72	8.77	5.52	4.90	4.86
30	5.37	7.71	12.03	14.69	---	10.69	6.26	5.86	8.59	5.48	4.88	4.98
31	5.34	---	12.14	15.66	---	11.24	---	6.02	---	5.42	4.84	---
MAX	8.75	16.34	16.57	15.66	15.13	13.40	16.68	6.30	8.77	8.29	5.34	4.99
MIN	5.34	5.33	6.87	9.03	7.15	7.89	6.20	5.41	5.56	5.42	4.84	4.74

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, except for the periods of estimated discharge, which are poor. Due to nature of stream and installation restrictions, lowest recordable stage is 1.73 ft; prior to 1998 there were no restrictions. 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)
Dec. 17	0830	10,500	17.68	Apr. 10	0600	*18,100	*18.54
Feb. 2	1830	10,900	17.23				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	266	109	486	1530	e6340	e331	1700	e239	177	338	93	e43
2	226	112	405	1800	10100	e369	1450	e215	194	327	88	e42
3	213	117	358	2800	9510	e406	1170	e207	186	292	83	e42
4	216	122	325	3060	7360	427	1390	190	203	242	79	e43
5	207	122	300	2910	7130	493	2950	184	211	197	75	e44
6	227	114	284	2620	6780	537	5040	179	225	166	71	e43
7	362	109	273	3330	5090	583	e7510	174	245	148	68	e43
8	426	113	267	4450	3810	637	e10200	168	250	134	66	e47
9	403	118	281	4580	2960	724	12900	164	228	127	63	e46
10	335	120	350	4320	2280	808	17000	163	206	123	61	e45
11	327	127	899	3950	1580	635	11300	165	180	120	59	e44
12	356	123	1820	3540	1010	560	6880	173	162	143	57	e44
13	356	117	2310	3180	688	2250	4540	172	168	257	56	e44
14	317	246	2700	2890	529	4140	3310	168	271	348	54	e42
15	270	778	3330	2680	452	3500	2500	165	383	267	53	e39
16	228	1170	6060	2640	404	2710	1710	169	352	194	51	e39
17	197	1400	10200	2610	e407	1960	990	170	421	166	51	e37
18	177	1560	9940	2410	e381	1540	609	169	391	211	50	e37
19	163	3320	7600	2010	e354	1400	447	163	248	294	49	e38
20	154	8000	5590	1470	e328	1460	372	157	200	230	48	e39
21	144	8270	4170	1010	e341	1680	330	152	176	248	47	e39
22	136	6860	3210	757	347	1960	303	145	163	291	47	e38
23	130	5310	2540	e770	315	2080	281	141	156	236	47	e36
24	125	4070	1950	e961	292	1760	265	137	146	182	56	e36
25	122	3150	1460	e948	274	1160	250	132	162	245	47	e36
26	119	2490	1100	e729	266	771	e239	128	216	253	e45	e36
27	117	1940	898	e748	261	814	e231	128	453	186	e45	e36
28	115	1350	1430	e881	e306	921	e231	147	723	148	e45	e38
29	113	909	2340	e1040	---	772	e247	139	572	133	e42	e41
30	112	634	2460	e2130	---	1040	e263	136	376	119	e41	e47
31	110	---	2010	e4570	---	1740	---	142	---	100	e42	---
TOTAL	6769	52980	77346	73324	69895	40168	96608	5081	8044	6465	1779	1224
MEAN	218	1766	2495	2365	2496	1296	3220	164	268	209	57.4	40.8
MAX	426	8270	10200	4580	10100	4140	17000	239	723	348	93	47
MIN	110	109	267	729	261	331	231	128	146	100	41	36
AC-FT	13430	105100	153400	145400	138600	79670	191600	10080	15960	12820	3530	2430
CFSM	.29	2.35	3.31	3.14	3.32	1.72	4.28	.22	.36	.28	.08	.05
IN.	.33	2.62	3.82	3.62	3.45	1.98	4.77	.25	.40	.32	.09	.06

e Estimated

CALCASIEU RIVER BASIN
08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1999, BY WATER YEAR (WY)

MEAN	332	704	1550	2104	2244	1923	1675	1557	652	511	335	321
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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1923 - 1999

ANNUAL TOTAL	485977			439683								
ANNUAL MEAN	1331			1205						1159		
HIGHEST ANNUAL MEAN										2409		1983
LOWEST ANNUAL MEAN										337		1970
HIGHEST DAILY MEAN	20900	Jan	13	17000	Apr	10	67600	May	20	1953		
LOWEST DAILY MEAN	19	Jul	13	36	Sep	23	19	Jul	13	1998		
ANNUAL SEVEN-DAY MINIMUM	21	Jul	7	37	Sep	22	21	Jul	7	1998		
INSTANTANEOUS PEAK FLOW				18100	Apr	10	72800	May	19	1953		
INSTANTANEOUS PEAK STAGE				18.54	Apr	10	26.53	May	19	1953		
INSTANTANEOUS LOW FLOW				unknown			18	Jul	13	1998		
INSTANTANEOUS LOW STAGE				*1.73	Sep	13	*1.73	Sep	13	1999		
ANNUAL RUNOFF (AC-FT)	963900			872100			839700					
ANNUAL RUNOFF (CFSM)	1.77			1.60			1.54					
ANNUAL RUNOFF (INCHES)	24.01			21.72			20.91					
10 PERCENT EXCEEDS	3730			3330			3010					
50 PERCENT EXCEEDS	248			267			329					
90 PERCENT EXCEEDS	35			47			60					

* Lowest recordable stage; also occurred many times from Sep 14-30.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.30	2.24	4.28	8.39	---	---	8.87	---	2.74	3.79	2.31	
2	3.06	2.27	3.89	9.10	17.04	---	8.17	---	2.87	3.73	2.26	
3	2.98	2.30	3.65	11.37	16.85	---	7.26	---	2.81	3.54	2.21	
4	2.99	2.34	3.47	11.87	16.06	4.46	7.92	2.84	2.92	3.26	2.16	
5	2.94	2.35	3.33	11.58	15.95	4.76	11.58	2.80	2.98	2.98	2.11	
6	3.06	2.28	3.24	11.01	15.77	4.95	14.60	2.76	3.06	2.78	2.07	
7	3.82	2.24	3.18	12.30	14.62	5.14	---	2.73	3.18	2.65	2.03	
8	4.15	2.28	3.14	14.06	13.11	5.36	---	2.69	3.21	2.56	2.00	
9	4.04	2.31	3.22	14.21	11.68	5.70	17.65	2.66	3.08	2.51	1.98	
10	3.69	2.33	3.60	13.89	10.29	6.02	18.36	2.65	2.94	2.48	1.95	
11	3.64	2.39	6.09	13.34	8.52	5.35	17.25	2.67	2.77	2.46	1.92	
12	3.80	2.35	9.18	12.68	6.73	5.04	15.77	2.73	2.65	2.64	1.90	
13	3.79	2.31	10.19	12.08	5.56	9.95	14.05	2.72	2.69	3.38	1.88	
14	3.59	3.12	10.55	11.54	4.91	13.63	12.30	2.69	3.32	3.89	1.87	
15	3.32	5.70	11.55	11.14	4.57	12.62	10.76	2.67	3.95	3.45	1.85	
16	3.07	7.26	15.31	11.05	4.35	11.19	8.87	2.69	3.78	3.01	1.83	
17	2.87	8.02	17.59	11.00	---	9.55	6.58	2.70	4.14	2.83	1.82	
18	2.74	8.48	17.50	10.59	---	8.44	5.04	2.70	4.00	3.11	1.82	
19	2.65	12.00	16.53	9.67	---	8.03	4.28	2.65	3.22	3.61	1.81	
20	2.58	16.74	15.20	8.20	---	8.21	3.89	2.62	2.93	3.25	1.79	
21	2.51	16.88	13.64	6.68	---	8.80	3.67	2.58	2.77	3.36	1.78	
22	2.45	16.13	12.12	5.73	4.07	9.56	3.52	2.53	2.69	3.61	1.78	
23	2.41	14.95	10.84	---	3.91	9.86	3.40	2.50	2.64	3.29	1.77	
24	2.37	13.50	9.53	---	3.79	9.04	3.30	2.47	2.57	2.96	1.89	
25	2.34	12.02	8.19	---	3.69	7.23	3.21	2.43	2.69	3.34	1.78	
26	2.33	10.76	7.04	---	3.64	5.79	---	2.40	3.05	3.40		
27	2.31	9.50	6.28	---	3.61	5.96	---	2.40	4.34	3.00		
28	2.29	7.83	8.00	---	---	6.37	---	2.54	5.58	2.75		
29	2.27	6.11	10.44	---	---	5.80	---	2.48	4.92	2.65		
30	2.26	4.94	10.69	---	---	6.76	---	2.46	3.99	2.55		
31	2.24	---	9.67	---	---	8.99	---	2.51	---	2.39		
MAX	4.15	16.88	17.59	---	---	---	---	---	5.58	3.89		
MIN	2.24	2.24	3.14	---	---	---	---	---	2.57	2.39		

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 good. 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. 14	2030	10,500	19.24	Mar. 14	1730	3,470	12.52
Feb. 1	0230	15,100	20.56	Apr. 6	0700	*16,800	*20.94

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	215	369	991	12200	392	1420	343	735	378	235	163
2	284	229	358	1640	7840	475	1170	327	1020	326	228	164
3	291	230	348	2780	5360	432	744	318	560	294	222	163
4	297	266	339	2600	2460	392	1890	311	413	276	217	166
5	293	288	330	2470	1290	437	6690	309	348	264	213	167
6	335	246	325	2140	1010	412	14800	305	314	259	212	179
7	376	229	322	1660	804	366	9570	302	295	252	211	195
8	368	221	361	1470	690	353	6620	303	283	262	204	183
9	503	219	575	1480	648	365	3430	301	273	315	198	176
10	391	219	782	1510	610	372	1380	309	268	444	195	179
11	328	215	1210	1200	577	422	930	326	270	390	192	184
12	296	221	2620	881	543	1260	716	354	278	624	190	181
13	279	304	4030	756	512	2890	628	406	299	888	189	171
14	269	674	8480	695	486	3380	571	398	413	714	188	166
15	261	1800	8910	652	461	3040	530	381	364	505	185	161
16	255	2120	6430	616	445	2740	501	341	348	372	182	157
17	248	2460	3060	583	481	2350	491	311	343	415	180	163
18	247	2770	1280	557	476	1330	466	297	372	864	178	162
19	266	2050	1010	538	465	704	437	288	395	716	177	156
20	272	968	898	517	455	600	418	282	308	683	172	153
21	261	692	896	499	433	540	401	278	275	454	170	151
22	259	598	831	540	414	497	391	274	258	399	170	149
23	252	545	741	654	412	462	384	268	254	408	168	148
24	241	511	695	897	408	435	374	264	258	354	171	147
25	233	483	702	847	394	421	367	262	280	312	173	147
26	228	455	829	626	378	479	359	260	446	468	169	149
27	223	433	750	538	377	1140	351	257	1250	390	165	148
28	221	414	1570	497	396	1130	343	290	1550	301	164	147
29	219	398	2360	493	---	595	370	339	1060	271	161	160
30	216	382	2010	2230	---	558	372	407	497	255	159	168
31	214	---	1590	7170	---	1080	---	443	---	244	158	---
TOTAL	8720	20855	55011	40727	41025	30049	57114	9854	14027	13097	5796	4903
MEAN	281	695	1775	1314	1465	969	1904	318	468	422	187	163
MAX	503	2770	8910	7170	12200	3380	14800	443	1550	888	235	195
MIN	214	215	322	493	377	353	343	257	254	244	158	147
AC-FT	17300	41370	109100	80780	81370	59600	113300	19550	27820	25980	11500	9730
CFSM	.55	1.36	3.48	2.58	2.87	1.90	3.73	.62	.92	.83	.37	.32
IN.	.64	1.52	4.01	2.97	2.99	2.19	4.17	.72	1.02	.96	.42	.36

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1999, BY WATER YEAR (WY)

MEAN	398	653	1104	1270	1331	1210	1078	1094	650	491	406	379
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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1940 - 1999			
ANNUAL TOTAL			325222			301178						
ANNUAL MEAN			891			825			837			
HIGHEST ANNUAL MEAN									1643			
LOWEST ANNUAL MEAN									286			
HIGHEST DAILY MEAN			8910		Dec 15	14800		Apr 6	108000		May 19	1953
LOWEST DAILY MEAN			115		Aug 5	147		Sep 24	88		Oct 19	1956
ANNUAL SEVEN-DAY MINIMUM			118		Jul 31	148		Sep 22	90		Oct 14	1956
INSTANTANEOUS PEAK FLOW						16800		Apr 6	144000		May 18	1953
INSTANTANEOUS PEAK STAGE						20.94		Apr 6	32.80		May 18	1953
INSTANTANEOUS LOW FLOW						a146		Sep 25	88		Oct 19	1956
INSTANTANEOUS LOW STAGE						b2.55		Sep 25	c2.41		Sep 9	1982
ANNUAL RUNOFF (AC-FT)			645100		597400			606000				
ANNUAL RUNOFF (CFSM)			1.75		1.62			1.64				
ANNUAL RUNOFF (INCHES)			23.72		21.97			22.29				
10 PERCENT EXCEEDS			2280		1610			1850				
50 PERCENT EXCEEDS			309		377			375				
90 PERCENT EXCEEDS			138		177			167				

a Also occurred Sep 26, 27, 28.

b Also occurred Sep 26, 27, 28.

c Also occurred Sep 10-11, 1982.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.54	3.08	3.67	6.07	19.76	4.13	7.38	3.85	5.61	4.05	3.15	2.67
2	3.49	3.18	3.62	7.95	17.53	4.58	6.75	3.76	6.41	3.75	3.10	2.68
3	3.53	3.19	3.58	11.10	15.01	4.35	5.70	3.70	5.01	3.55	3.06	2.67
4	3.56	3.39	3.53	10.65	10.13	4.13	8.58	3.66	4.25	3.43	3.03	2.69
5	3.54	3.51	3.49	10.31	7.04	4.38	16.24	3.65	3.88	3.34	3.00	2.70
6	3.75	3.29	3.47	9.42	6.40	4.24	20.47	3.63	3.68	3.31	2.99	2.78
7	3.93	3.18	3.45	8.09	5.94	3.98	18.70	3.61	3.55	3.26	2.99	2.89
8	3.89	3.13	3.63	7.52	5.64	3.91	16.36	3.62	3.47	3.33	2.94	2.81
9	4.44	3.11	4.52	7.56	5.45	3.98	12.09	3.60	3.41	3.68	2.90	2.76
10	4.00	3.11	5.29	7.66	5.26	4.02	7.29	3.65	3.37	4.41	2.89	2.78
11	3.71	3.08	6.67	6.71	5.10	4.30	6.22	3.75	3.39	4.12	2.87	2.81
12	3.55	3.13	10.67	5.71	4.93	6.79	5.71	3.92	3.44	5.19	2.86	2.79
13	3.46	3.59	13.28	5.30	4.77	11.35	5.35	4.21	3.58	6.13	2.85	2.73
14	3.41	4.95	17.86	5.09	4.63	12.34	5.07	4.17	4.25	5.64	2.84	2.69
15	3.37	8.51	18.39	4.93	4.51	11.66	4.86	4.07	3.97	4.73	2.82	2.66
16	3.33	9.40	16.17	4.79	4.42	11.00	4.71	3.84	3.88	4.01	2.80	2.63
17	3.30	10.29	11.36	4.66	4.61	9.98	4.66	3.66	3.85	4.25	2.79	2.67
18	3.29	11.06	6.97	4.56	4.58	7.22	4.53	3.57	4.01	5.90	2.78	2.67
19	3.40	9.16	6.14	4.48	4.53	5.66	4.38	3.51	4.15	5.68	2.76	2.63
20	3.43	5.92	5.77	4.40	4.47	5.21	4.28	3.47	3.64	5.49	2.73	2.61
21	3.37	4.96	5.76	4.33	4.36	4.91	4.18	3.44	3.42	4.47	2.72	2.59
22	3.36	4.62	5.55	4.49	4.25	4.69	4.12	3.41	3.30	4.17	2.72	2.58
23	3.32	4.42	5.25	4.93	4.25	4.51	4.08	3.37	3.27	4.22	2.71	2.57
24	3.26	4.28	5.09	5.77	4.22	4.37	4.03	3.35	3.31	3.91	2.73	2.56
25	3.21	4.17	5.11	5.60	4.15	4.29	3.99	3.33	3.46	3.67	2.74	2.56
26	3.17	4.05	5.54	4.83	4.05	4.59	3.94	3.32	4.41	4.53	2.72	2.58
27	3.14	3.95	5.28	4.48	4.04	6.69	3.89	3.29	7.00	4.12	2.69	2.57
28	3.12	3.87	7.74	4.32	4.15	6.66	3.85	3.52	7.77	3.59	2.68	2.56
29	3.11	3.80	10.01	4.30	---	5.18	4.00	3.82	6.51	3.39	2.66	2.65
30	3.09	3.73	9.07	9.52	---	5.00	4.02	4.22	4.69	3.28	2.64	2.70
31	3.07	---	7.87	16.14	---	6.55	---	4.41	---	3.21	2.64	---
MAX	4.44	11.06	18.39	16.14	19.76	12.34	20.47	4.41	7.77	6.13	3.15	2.89
MIN	3.07	3.08	3.45	4.30	4.04	3.91	3.85	3.29	3.27	3.21	2.64	2.56

CALCASIEU RIVER BASIN
08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1949, 1955-57, 1966-69, 1998 to current year.

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
AUG 04...	1200	62	6.25	27.1	7.5	12	3.1	--	.97	--
SEP 13...	1115	20	5.75	--	--	5	1.1	210	.42	110
NOV 18...	0900	33	5.35	15.6	8.31	8	2.1	310	.75	140
DEC 16...	0930	26	5.22	9.91	9.67	6	1.4	220	.59	104
JAN 13...	0900	48	5.72	12.5	9.50	10	2.6	220	.89	114
FEB 10...	0945	42	5.61	19.2	7.39	9	2.2	280	.81	70
MAR 10...	0945	46	5.97	17.1	8.9	10	2.6	190	.90	50
24...	1100	48	6.72	18.5	7.7	10	2.4	200	.85	65
APR 07...	1100	18	5.50	22.0	5.1	5	1.2	310	.45	54
20...	1000	48	6.54	18.0	7.4	10	2.5	290	.86	58
MAY 13...	0915	47	5.76	20.8	5.9	9	2.4	140	.86	34
25...	1545	52	7.05	24.2	8.9	11	2.7	180	.95	55
JUN 09...	0900	53	6.60	24.9	7.3	12	3.1	92	1.0	79
23...	1415	53	6.56	25.5	8.1	11	2.9	110	.96	69
JUL 08...	0915	56	6.54	25.6	8.7	11	3.0	80	.95	62
AUG 10...	1330	58	7.29	27.7	7.52	11	2.9	44	.97	73
SEP 01...	1545	59	7.14	25.5	7.7	11	2.8	94	.99	78

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
AUG 04...	--	--	--	--	--	1.4	--	--	--
SEP 13...	5.0	1.1	2	1.2	<.1	1.3	.03	.3	.06
NOV 18...	1	2.0	--	2.8	<.1	4.0	<.02	.4	.05
DEC 16...	.9	1.4	--	2.1	<.1	3.4	.02	.3	.05
JAN 13...	.8	4.8	8	6.3	<.1	3.1	<.02	.2	.08
FEB 10...	.8	4.1	9	5.1	<.1	1.6	<.02	.1	.09
MAR 10...	1.2	5.2	11	5.6	<.1	1.4	<.02	.2	.12
24...	1	4.9	10	5.2	<.1	--	<.02	.1	.14
APR 07...	.7	1.1	--	1.3	<.1	1.7	<.02	.4	.06
20...	1.2	5.2	12	5.0	<.1	1.2	<.02	.1	.12
MAY 13...	1.4	5.3	14	5.3	<.1	1.1	.02	.2	.08
25...	1.2	5.9	14	5.9	<.1	1.2	.02	.2	.07
JUN 09...	1.2	5.0	14	5.1	<.1	2.3	<.02	.2	.08
23...	1.3	5.6	16	6.2	<.1	1.3	<.02	E.09	.10
JUL 08...	1.4	5.6	15	5.4	<.1	1.5	.03	E.06	.11
AUG 10...	1.3	6.2	16	6.0	<.1	1.3	<.02	E.10	.07
SEP 01...	1.5	6.5	--	5.7	<.1	.7	<.02	.1	.08
DATE	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)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS / 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP 13...	.05	.02	.02	2.7	--	--	--	--	--
NOV 18...	.06	<.05	<.01	6.4	--	678	--	.2	<.1
DEC 16...	<.05	<.05	<.01	4.7	--	700	525	<.1	<.1
JAN 13...	.026	.008	.01	16	52	K83	K48	E.1	<.1
FEB 10...	.0323	.0136	.02	18	49	--	K45	.3	<.1
MAR 10...	.044	.014	.03	19	56	--	--	.5	<.1
24...	.034	.014	<.01	20	53	K64	K54	.3	<.1
APR 07...	.036	.014	<.01	3.4	--	K5	100	E.2	<.1
20...	.038	.017	.01	22	55	K40	K25	.2	<.1
MAY 13...	.045	.016	.02	21	--	--	--	.5	<.1
25...	.032	.015	.02	24	57	K18	K26	.6	<.1
JUN 09...	.046	.014	.01	23	54	--	46	.2	<.1
23...	.044	.017	.02	23	63	--	92	.5	<.1
JUL 08...	.048	.017	.02	24	--	K85	110	.5	<.1
AUG 10...	.037	.013	.01	27	59	--	--	1.3	.2
SEP 01...	.041	.017	<.01	27	59	--	--	1	.1

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

E Estimated.

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

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

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)	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)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)
DEC 16...	225	<1	<1	36	<1	<1	<1	<1	1	<1	<1	<1
JAN 1999 13...	66	<1	2	50	<1	<1	<1	<1	<1	<1	<1	<1
DATE	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)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)
JAN 1999 13...	1	<1	<1	9	<.032	<.064	<.066	<.044	<.026	<.16	<.036	<.13
FEB 10...	--	--	--	--	<.032	<.064	<.066	<.044	<.026	<.16	<.036	<.13
MAR 24...	--	--	--	--	<.032	<.064	<.066	<.044	<.026	<.16	<.036	<.13
DATE	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	2,4,5-T DIS- SOLVED (UG/L) (39742)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
NOV 18...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
DEC 16...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
JAN 1999 13...	<.068	<.032	<.078	<.035	<.15	<.24	<.7	<.7	<.014	<.5	<.035	<.12
FEB 10...	<.068	<.032	<.078	<.035	<.15	<.24	<.7	<.7	<.014	<.5	<.035	<.12
MAR 10...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
24...	<.068	<.032	<.078	<.035	<.15	<.24	<.7	<.7	<.10	<.5	<.035	<.12
APR 07...	--	--	--	<.035	<.15	<.24	--	--	<.014	--	<.035	--
DATE	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)
NOV 18...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
DEC 16...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
JAN 1999 13...	<.1	<.021	<.55	<.014	<.27	<.12	<.19	<.056	<.044	<.054	.174	<.032
FEB 10...	<.1	<.021	<.55	<.014	<.27	<.12	<.19	<.056	<.044	<.054	E.074	<.032
MAR 10...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--
24...	<.1	<.021	<.55	<.014	<.27	<.12	<.19	<.056	<.044	<.054	<.050	<.032
APR 07...	<.1	<.021	<.55	<.014	--	--	--	--	--	--	--	--

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

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPYL WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	BENZENE TOTAL (UG/L) (34030)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	BROMO- FORM TOTAL (UG/L) (32104)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)
NOV 18...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12
DEC 16...	--	--	--	--	--	--	<.11	--	--	--	<.035	<.12
JAN 1999 13...	<.19	<.042	<.048	<.048	<.1	<.1	<.035	<.036	<.1	<.1	<.035	<.12
FEB 10...	<.19	<.042	<.048	<.048	<.1	<.1	<.035	<.036	<.1	<.1	<.035	<.12
MAR 10...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12
24...	<.19	<.042	<.048	<.048	<.1	<.1	<.035	<.036	<.1	<.1	<.035	<.12
APR 07...	--	--	--	--	--	--	<.035	--	--	--	<.035	<.12
DATE	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CHLORO- BENZENE TOTAL (UG/L) (34301)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- ETHANE TOTAL (UG/L) (34311)	CHLORO- FORM TOTAL (UG/L) (32106)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DACTHAL MONO- ACID, WAT.FLT GF 0.7U REC (UG/L) (49304)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	
NOV 18...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
DEC 16...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
JAN 1999 13...	<.088	<.42	<.028	<.18	<.12	<.052	<.038	<.09	<.23	<.017	<.21	
FEB 10...	<.088	<.42	<.028	<.18	<.12	<.052	<.038	<.09	<.23	<.017	<.21	
MAR 10...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
24...	<.088	<.42	<.028	<.18	<.12	<.052	<.038	<.09	<.23	<.017	<.21	
APR 07...	--	<.42	--	--	--	--	--	--	<.23	<.017	--	
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	DICHLOR PROP. WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT.FLT GF 0.7U REC (UG/L) (49299)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	
NOV 18...	--	<.035	<.12	--	--	<.032	--	<.035	<.02	<.42	--	
DEC 16...	--	<.035	<.12	--	--	<.032	--	<.035	<.02	<.42	--	
JAN 1999 13...	<.05	<.035	<.12	<.048	<.14	<.032	<.098	<.035	<.02	<.42	<.044	
FEB 10...	<.05	<.035	<.12	<.048	<.14	<.032	<.098	<.035	<.02	<.42	<.044	
MAR 10...	--	<.035	<.12	--	--	<.032	--	<.035	<.02	<.42	--	
24...	<.05	<.035	<.12	<.048	<.14	<.032	<.098	<.035	<.02	<.42	<.044	
APR 07...	--	<.035	<.12	--	--	<.032	--	<.035	<.02	<.42	--	

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

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	ETHANE, 1,1,2,2- TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	BENZENE TOTAL (UG/L) (34371)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)
NOV 18...	--	--	--	--	--	--	<.013	<.035	--	--	--
DEC 16...	--	--	--	--	--	--	<.013	<.035	--	--	--
JAN 1999 13...	<.13	<.36	<.17	<.054	<.11	<.03	<.013	<.035	<.032	<.9	<.14
FEB 10...	<.13	<.36	<.17	<.054	<.11	<.03	<.013	<.035	<.032	<.9	<.14
MAR 10...	--	--	--	--	--	--	<.013	<.035	--	--	--
24...	<.13	<.36	<.17	<.054	<.11	<.03	<.013	<.035	<.032	<.9	<.14
APR 07...	--	--	--	--	--	--	<.013	<.035	--	--	--
DATE	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)
NOV 18...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
DEC 16...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
JAN 1999 13...	<.2	<.018	<.17	<.14	<.28	<.35	<.57	<.044	<.026	<.017	<.14
FEB 10...	<.2	<.018	<.17	<.14	<.28	<.35	<.57	<.044	<.026	<.017	<.14
MAR 10...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
24...	<.2	<.018	<.17	<.14	<.28	<.35	<.57	<.044	<.026	<.28	<.14
APR 07...	--	<.018	<.17	<.14	--	--	--	--	<.026	<.017	--
DATE	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)
NOV 18...	--	--	--	--	--	--	--	--	--	<.015	<.024
DEC 16...	--	--	--	--	--	--	--	--	--	<.015	<.024
JAN 1999 13...	<.21	<.17	<.15	<.25	<.38	<.16	<.37	<.06	<.25	<.015	<.024
FEB 10...	<.21	<.17	<.15	<.25	<.38	<.16	<.37	<.06	<.25	<.015	<.024
MAR 10...	--	--	--	--	--	--	--	--	--	<.015	<.024
24...	<.21	<.17	<.15	<.25	<.38	<.16	<.37	<.06	<.25	<.015	<.024
APR 07...	--	--	--	--	--	--	--	--	--	<.015	<.024

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CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	1,3-DI-CHLORO-PROPANE WAT. WH TOTAL (UG/L) (77173)	PROPENE 3-CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SILVEX, DIS- SOLVED (UG/L) (39762)
NOV 18...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
DEC 16...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
JAN 1999 13...	<.042	<.31	<.018	<.06	<.05	E.004	<.12	<.2	<.035	<.035	<.021
FEB 10...	<.042	<.31	<.018	<.06	<.05	<.11	<.12	<.2	<.035	<.035	<.021
MAR 10...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
24...	<.042	<.31	<.018	<.06	<.05	<.11	<.12	<.2	<.035	<.035	<.021
APR 07...	--	<.31	<.018	--	<.05	--	--	--	<.035	<.035	<.021
DATE	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	TOLUENE TOTAL (UG/L) (34010)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
NOV 18...	--	--	--	--	--	--	--	--	<.25	--	--
DEC 16...	--	--	--	--	--	--	--	--	<.25	--	<1
JAN 1999 13...	<.042	<.1	<.1	<.056	E.077	<.13	<.038	<.09	<.25	<.11	<1
FEB 10...	<.042	<.1	<.1	<.056	E.024	<.13	<.038	<.09	<.25	<.11	--
MAR 10...	--	--	--	--	--	--	--	--	<.25	--	--
24...	<.042	<.1	<.1	<.056	<.05	<.13	<.038	<.09	<.25	<.11	--
APR 07...	--	--	--	--	--	--	--	--	<.25	--	--

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CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
AUG 1998											
04...	--	1.8	--	--	--	--	--	--	--	--	--
SEP											
13...	--	--	--	<.003	<.002	<.002	<.002	<.001	<.002	<.002	--
NOV											
18...	--	12	1.1	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008
DEC											
16...	--	11	1.1	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008
JAN 1999											
13...	<.37	5.1	.6	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008
FEB											
10...	<.37	4.0	.3	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008
MAR											
10...	--	3.8	.4	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008
24...	<.37	3.2	.2	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008
APR											
07...	--	11	.6	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.008
20...	--	3.2	<.2	<.003	<.002	<.002	<.002	<.001	<.002	<.002	--
MAY											
13...	--	3.2	.7	<.003	<.002	<.002	<.002	.005	<.002	<.002	--
25...	--	2.1	.7	<.003	<.002	<.002	<.002	<.001	<.002	<.002	--
JUN											
09...	--	3.5	.5	<.003	<.002	<.002	<.002	<.008	<.002	<.002	--
23...	--	3.8	.5	<.003	<.002	<.002	<.002	<.001	<.002	<.002	--
JUL											
08...	--	3.2	.7	<.003	<.002	<.002	<.002	<.001	<.002	<.002	--
AUG											
10...	--	2.1	--	<.003	<.002	<.002	<.002	<.001	<.002	<.002	--
SEP											
01...	--	1.8	.4	<.003	<.002	<.002	<.002	<.001	<.002	<.002	--
DATE	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
SEP 1998											
13...	E.236	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
NOV											
18...	<.003	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
DEC											
16...	<.003	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
JAN 1999											
13...	<.003	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
FEB											
10...	<.003	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
MAR											
10...	<.003	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
24...	<.003	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
APR											
07...	<.003	<.003	<.48	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
20...	<.003	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
MAY											
13...	<.003	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
25...	<.003	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
JUN											
09...	<.003	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
23...	<.003	<.020	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
JUL											
08...	<.003	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
AUG											
10...	<.003	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
SEP											
01...	<.003	<.003	--	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002

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CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
SEP 1998										
13...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.004	<.004
NOV										
18...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
DEC										
16...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
JAN 1999										
13...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
FEB										
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
MAR										
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
24...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
APR										
07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.004	<.004
20...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
MAY										
13...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
25...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
JUN										
09...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
23...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
JUL										
08...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
AUG										
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
SEP										
01...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004
DATE	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
SEP 1998										
13...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
NOV										
18...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
DEC										
16...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JAN 1999										
13...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
FEB										
10...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAR										
10...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
24...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
APR										
07...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
20...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
MAY										
13...	.006	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
25...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUN										
09...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
23...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUL										
08...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
AUG										
10...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
SEP										
01...	<.004	<.003	E.002	<.004	<.004	<.004	<.005	<.002	<.018	<.003

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

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1997 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
SEP 1998										
13...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
NOV										
18...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
DEC										
16...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
JAN 1999										
13...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
FEB										
10...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
MAR										
10...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
24...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
APR										
07...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
20...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
MAY										
13...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
25...	<.007	<.004	<.020	<.005	<.010	<.007	<.013	<.002	<.001	<.002
JUN										
09...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
23...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
JUL										
08...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
AUG										
10...	<.007	<.004	<.013	<.005	<.0767	<.007	<.013	<.002	<.001	<.002
SEP										
01...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002

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

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.--Estimated discharge: Dec. 4-10, 17-21, Apr. 7-8. Records good, except for periods of estimated record, which are poor. 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 Nov. 15, 21, 25-27, Dec. 12-13, 15, 22-24, 28-29, Jan. 1-3, 7, 31, Feb. 1-2, 5, 9-11, Mar. 13-14, 18-19, Apr. 5-6, 12-16..

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	326	1440	4350	8730	1750	3400	772	1530	1870	499	289
2	1030	472	1280	4590	17800	1190	3500	721	1980	1340	448	303
3	965	575	1190	6860	18800	1020	3110	694	1860	1110	516	309
4	999	709	e1040	7960	18300	957	2910	675	1420	953	446	311
5	1940	749	e959	7430	12000	1010	5950	657	1080	834	405	324
6	1640	710	e860	6770	9310	1120	16000	644	899	767	386	329
7	1800	591	e846	8480	8240	1120	e24200	628	842	726	376	361
8	1560	401	e888	10300	7070	1140	e21800	617	788	850	368	364
9	1210	359	e1100	9690	5550	1510	17300	608	724	949	357	363
10	1090	376	e1570	7870	4560	1600	16100	617	655	1020	340	352
11	887	390	2340	6950	3660	1480	16300	716	628	1110	329	351
12	810	359	5190	6160	2950	1330	12300	812	643	1270	322	356
13	789	385	6810	5440	2280	4720	8260	833	668	2410	318	348
14	752	1150	7830	4910	1900	7950	6050	866	1100	2530	316	352
15	721	3480	12900	4500	1640	9330	4640	829	1730	2110	313	313
16	909	4200	18000	4190	1370	8790	3560	777	1570	1540	307	295
17	874	4330	e17800	4020	1190	7460	2700	713	1590	1180	289	293
18	761	4510	e16400	3920	2140	5800	1860	648	1460	1220	297	295
19	582	4860	e14500	3710	2350	4000	1460	610	1200	1710	288	275
20	867	5150	e12400	3280	1920	3260	1270	589	963	1730	295	267
21	1020	6530	e10100	2660	1590	2920	1160	553	757	1450	298	273
22	893	8550	6830	2230	1390	2930	1080	521	651	1330	296	268
23	788	8530	5320	2150	1270	3060	1020	503	634	1220	300	269
24	685	7160	4320	2310	1200	3070	978	485	601	1070	303	260
25	476	5620	3660	2390	1120	2690	927	465	863	932	327	258
26	413	4610	3010	2210	1070	2070	875	455	1930	975	320	263
27	385	3740	2590	1980	1010	1930	863	454	2240	1130	312	276
28	367	3110	3240	1910	1610	2450	842	600	2860	979	303	277
29	353	2290	5840	1900	---	2380	822	620	3080	806	301	333
30	341	1730	6310	2480	---	2070	833	785	2620	672	291	363
31	329	---	5710	5350	---	2610	---	1120	---	576	287	---
TOTAL	27376	85952	182273	148950	142020	94717	182070	20587	39566	38369	10553	9290
MEAN	883	2865	5880	4805	5072	3055	6069	664	1319	1238	340	310
MAX	1940	8550	18000	10300	18800	9330	24200	1120	3080	2530	516	364
MIN	329	326	846	1900	1010	957	822	454	601	576	287	258
AC-FT	54300	170500	361500	295400	281700	187900	361100	40830	78480	76100	20930	18430

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1999, BY WATER YEAR (WY)

MEAN	998	1632	3674	4473	4632	4148	3701	3580	1900	1450	1031	908
MAX	9258	9475	20030	12880	11760	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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1923 - 1999

ANNUAL TOTAL	1191493	981723	
ANNUAL MEAN	3264	2690	2675
HIGHEST ANNUAL MEAN			4979
LOWEST ANNUAL MEAN			788
HIGHEST DAILY MEAN	41900	Jan 15	e24200 Apr 7
LOWEST DAILY MEAN	223	Aug 6	258 Sep 25
ANNUAL SEVEN-DAY MINIMUM	235	Aug 1	265 Sep 20
INSTANTANEOUS PEAK FLOW			e24200 Apr 7
INSTANTANEOUS PEAK STAGE			unknown unknown
INSTANTANEOUS LOW FLOW			a246 Sep 24
INSTANTANEOUS LOW STAGE			a1.50 Sep 24
ANNUAL RUNOFF (AC-FT)	2363000	1947000	1938000
10 PERCENT EXCEEDS	8310	7110	6180
50 PERCENT EXCEEDS	965	1120	1050
90 PERCENT EXCEEDS	280	321	333

a Also occurred on Sep 25.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.85	2.44	5.44	11.80	14.30	6.47	9.89	3.53	5.68	6.55	2.86	1.74
2	4.55	2.91	5.00	11.33	17.28	5.40	10.08	3.37	6.84	5.18	2.69	1.78
3	4.38	3.24	4.77	13.41	17.68	5.00	9.35	3.29	6.55	4.53	2.91	1.80
4	4.47	3.66	---	14.61	17.58	4.80	8.95	3.23	5.39	4.06	2.67	1.80
5	6.80	3.79	---	14.31	16.35	4.96	12.28	3.17	4.44	3.71	2.52	1.84
6	6.08	3.67	---	13.89	15.23	5.25	16.26	3.13	3.90	3.51	2.44	1.85
7	6.47	3.29	---	14.59	14.76	5.25	---	3.07	3.74	3.39	2.39	1.95
8	5.90	2.69	---	15.60	14.08	5.31	---	3.04	3.58	3.76	2.35	1.96
9	5.04	2.55	---	15.37	13.09	6.02	17.38	3.01	3.38	4.05	2.29	1.95
10	4.72	2.61	---	14.56	11.95	6.20	17.14	3.04	3.16	4.27	2.22	1.91
11	4.18	2.65	7.62	14.01	10.67	5.97	17.18	3.36	3.07	4.52	2.16	1.90
12	3.97	2.55	11.40	13.36	9.02	5.69	16.37	3.65	3.12	4.97	2.12	1.91
13	3.91	2.63	13.22	12.67	7.59	10.17	15.01	3.71	3.20	7.90	2.09	1.88
14	3.80	4.77	14.06	12.07	6.75	14.23	13.63	3.81	4.49	8.17	2.07	1.89
15	3.70	9.48	15.53	11.55	6.27	15.24	12.17	3.70	6.22	7.16	2.04	1.76
16	4.23	11.13	17.16	11.12	5.75	15.02	10.57	3.54	5.79	5.71	2.00	1.70
17	4.14	11.33	---	10.89	5.41	14.33	8.51	3.34	5.85	4.75	1.92	1.69
18	3.81	11.56	---	10.73	7.30	13.38	6.54	3.14	5.50	4.85	1.93	1.69
19	3.26	12.01	---	10.40	7.75	11.49	5.49	3.02	4.79	6.15	1.88	1.62
20	4.12	12.35	---	9.67	6.79	9.63	4.98	2.95	4.09	6.21	1.89	1.59
21	4.52	13.21	---	8.43	6.17	8.96	4.67	2.84	3.48	5.55	1.88	1.60
22	4.19	14.91	13.69	7.47	5.79	8.99	4.43	2.74	3.15	5.22	1.85	1.59
23	3.91	14.90	12.52	7.27	5.57	9.25	4.25	2.68	3.09	4.86	1.85	1.58
24	3.58	14.14	11.35	7.66	5.43	9.27	4.13	2.62	2.99	4.46	1.84	1.55
25	2.92	13.17	10.14	7.87	5.26	8.51	3.98	2.56	3.77	4.08	1.90	1.53
26	2.72	12.02	9.06	7.43	5.12	7.06	3.83	2.53	6.71	4.20	1.87	1.55
27	2.64	10.76	8.28	6.85	4.96	6.72	3.80	2.52	7.48	4.61	1.84	1.59
28	2.58	9.33	9.14	6.66	6.20	7.99	3.74	2.99	8.84	4.21	1.81	1.59
29	2.53	7.60	12.43	6.66	---	7.81	3.68	3.05	9.30	3.75	1.79	1.77
30	2.49	6.21	13.50	7.98	---	7.07	3.71	3.56	8.35	3.37	1.76	1.86
31	2.45	---	12.94	11.82	---	8.32	---	4.54	---	3.09	1.74	---
MAX	6.80	14.91	---	15.60	17.68	15.24	---	4.54	9.30	8.17	2.91	1.96
MIN	2.45	2.44	---	6.66	4.96	4.80	---	2.52	2.99	3.09	1.74	1.53

CALCASIEU RIVER BASIN

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES

LOCATION.--Lat 30°14'13", long 93°14'50", T. 9 S., R. 9 W., sec. 36, Calcasieu Parish, Hydrologic Unit 08080206, on right downstream side of bridge pier below I-10 in Lake Charles.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--December 1998 to September 1999.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988.

REMARKS.--Satellite telemetry at station. Stage affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 2.94 ft, Apr. 14, May 4, 1999; minimum, -1.08 ft, Feb. 12, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum elevation for period December to September, 2.93 ft, Apr. 14 and May 4; minimum, -1.07 ft, Feb. 12.

ELEVATION, IN FEET NAVD 1988, WATER YEAR DECEMBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1										2.22	.76	1.49
2										2.86	.73	1.73
3										.92	-.72	.13
4										1.06	-.71	.19
5										1.67	.47	.95
6							2.03	.70	1.46	2.08	1.20	1.62
7							2.10	.62	1.50	2.01	1.31	1.70
8							1.95	-.42	.59	2.02	1.56	1.76
9							1.33	.31	.67	1.90	.41	.87
10							1.58	.08	1.00	1.40	.50	.96
11							1.04	.24	.79	1.76	.90	1.34
12							1.60	.12	.76	1.79	.83	1.33
13							.57	-.53	.13	1.85	.82	1.40
14							1.18	.04	.62	1.41	.09	.87
15							1.13	.08	.68	1.75	.15	.93
16							1.23	-.02	.70	1.87	.67	1.41
17							1.17	-.45	.51	2.01	.99	1.61
18							2.34	.55	1.25	1.83	.18	1.17
19							2.37	.92	1.70	1.75	.45	1.14
20							1.93	.50	1.22	1.75	.50	1.19
21							1.96	.81	1.51	2.32	1.37	1.74
22							1.72	-.46	.45	2.61	1.64	2.17
23							1.29	.22	.81	1.92	-.12	.62
24							1.30	-.24	.51	1.22	.02	.71
25							.94	.27	.59	1.26	.20	.85
26							1.19	.40	.79	1.39	.10	.92
27							1.50	.62	1.15	1.52	.13	.91
28							1.96	.66	1.21	1.90	.37	1.24
29							1.31	.20	.90	2.21	.94	1.70
30							1.63	-.28	.74	2.32	.74	1.57
31							1.86	.47	1.35	1.46	-.15	.73
MONTH										2.86	-.72	1.19

CALCASIEU RIVER BASIN

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR DECEMBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.75	.33	1.09	1.66	.33	1.05	2.01	1.03	1.61	2.14	.79	1.61
2	1.83	.66	1.35	2.09	1.06	1.58	2.00	1.08	1.64	2.17	.99	1.74
3	1.99	1.12	1.46	1.33	-.30	.48	2.85	1.68	2.34	2.11	.99	1.59
4	1.95	.82	1.31	2.10	.45	1.33	2.58	1.64	2.09	2.94	1.20	2.23
5	1.92	1.24	1.59	2.29	1.51	1.82	2.59	1.74	2.10	2.73	1.66	2.30
6	2.03	1.21	1.53	1.66	.82	1.09	1.84	.96	1.55	2.41	1.24	1.62
7	2.05	1.31	1.61	1.79	-.24	.69	1.95	.97	1.50	1.83	.59	1.29
8	1.70	.81	1.30	2.82	1.47	2.19	2.30	1.20	1.75	1.99	.83	1.50
9	1.91	.83	1.38	2.37	1.19	1.51	2.29	1.39	1.82	2.50	1.26	1.90
10	1.94	.67	1.37	2.05	.57	1.41	2.47	1.29	1.88	2.14	1.52	1.94
11	1.99	1.04	1.57	2.25	1.06	1.62	2.02	1.10	1.64	2.56	1.61	2.01
12	1.09	-1.07	-.06	2.57	1.07	1.80	1.80	.80	1.35	2.21	1.11	1.78
13	1.03	-.54	.30	2.69	1.13	1.95	2.25	1.06	1.62	1.88	.68	1.45
14	1.56	-.15	.73	1.13	-.62	.09	2.94	1.95	2.54	1.83	.51	1.30
15	1.74	.57	1.23	1.17	-.68	.13	2.29	.18	1.30	2.16	.55	1.53
16	1.85	.59	1.28	1.68	.67	1.17	1.39	-.29	.55	2.33	.74	1.79
17	1.60	.41	1.15	2.04	1.16	1.52	1.28	.18	.70	2.44	1.12	1.90
18	1.78	.86	1.27	1.84	.87	1.35	1.23	-.40	.68	2.05	.59	1.34
19	1.52	.22	.83	2.04	1.19	1.55	1.26	-.15	.68	1.79	.23	1.24
20	1.67	.51	1.25	1.72	.88	1.25	1.44	-.30	.73	1.95	.49	1.29
21	1.28	.18	.56	1.30	.09	.76	2.00	.27	1.28	1.96	.73	1.35
22	1.90	-.31	.92	1.74	.21	1.13	2.47	1.08	1.89	1.66	.49	1.11
23	1.92	.98	1.35	1.87	.54	1.30	2.18	.94	1.67	1.72	.46	1.03
24	1.35	-.09	.77	1.80	.41	1.15	1.70	.59	1.27	1.13	.32	.74
25	1.58	.34	1.11	1.42	.31	.89	1.97	.70	1.33	1.47	.36	.96
26	1.78	.34	1.17	1.56	.17	.86	1.99	1.29	1.67	1.27	.20	.84
27	1.99	.76	1.41	2.18	.40	1.24	1.93	1.06	1.57	1.14	.12	.76
28	1.54	-.15	.79	2.35	1.24	1.76	1.69	.95	1.33	1.32	.04	.74
29	---	---	---	1.77	.70	1.32	1.81	.69	1.21	1.35	-.05	.92
30	---	---	---	1.78	.84	1.26	1.71	.31	1.13	1.61	.23	1.10
31	---	---	---	1.93	.83	1.40	---	---	---	1.84	.25	1.17
MONTH	2.05	-1.07	1.13	2.82	-.68	1.25	2.94	-.40	1.48	2.94	-.05	1.42

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.80	.36	1.32	2.20	.85	1.59	1.23	.19	.85	2.08	.80	1.48
2	2.05	.76	1.47	2.10	.90	1.59	1.33	.27	.81	1.85	.88	1.48
3	1.89	.70	1.38	1.94	.81	1.46	1.29	.34	.84	1.98	.56	1.35
4	1.82	.75	1.29	1.87	.85	1.39	1.25	.14	.75	1.91	.34	1.43
5	1.98	.76	1.37	1.85	.67	1.15	1.36	.27	1.00	1.71	.14	1.19
6	1.76	.58	1.14	1.51	.50	.94	1.50	.20	1.06	1.54	.10	1.04
7	1.74	.51	1.08	1.53	.53	1.08	1.64	.12	1.14	1.58	.01	.99
8	1.86	.98	1.35	1.66	.57	1.29	1.69	.09	1.18	1.66	.14	1.08
9	1.90	.83	1.47	2.11	.52	1.47	1.52	-.04	.95	1.37	.19	.81
10	1.94	.56	1.44	2.01	.50	1.49	1.31	-.19	.77	1.88	.09	1.09
11	1.85	.23	1.22	1.94	.49	1.44	1.63	-.36	.88	1.70	.74	1.25
12	1.77	.11	1.22	1.85	.36	1.27	1.55	.11	.99	1.71	.89	1.30
13	1.90	.17	1.14	1.86	.24	1.29	1.28	.07	.73	1.75	.76	1.22
14	1.69	-.03	1.08	1.82	.38	1.31	.97	-.20	.44	1.73	.62	1.11
15	1.53	-.13	.97	1.77	.52	1.29	1.28	-.07	.60	1.48	.61	1.09
16	1.56	-.03	1.03	1.82	.56	1.36	1.33	.64	.99	1.49	.60	1.11
17	1.43	.03	.90	1.87	.69	1.33	1.40	.38	.96	1.44	.29	.93
18	1.57	-.07	.97	1.92	.82	1.39	1.21	.42	.85	1.34	.49	1.03
19	1.91	.70	1.35	2.10	1.09	1.45	1.25	.31	.83	1.72	.62	1.28
20	2.00	1.03	1.52	1.83	1.04	1.59	1.32	.18	.93	1.72	.69	1.41
21	2.46	1.46	1.91	1.69	.67	1.38	1.38	.15	.95	2.14	.51	1.54
22	1.98	.96	1.60	1.58	.39	1.19	1.55	.15	1.11	1.84	.49	1.38
23	2.01	.95	1.64	1.51	.04	.91	1.80	.24	1.27	2.05	.92	1.56
24	1.99	.89	1.60	1.59	.04	.93	1.63	.39	1.17	1.89	.64	1.32
25	2.26	.89	1.74	1.60	.11	1.09	1.60	.32	1.16	2.16	.50	1.42
26	2.38	1.18	1.88	1.53	.17	1.01	1.34	.10	.82	2.17	1.16	1.65
27	2.31	1.17	1.82	1.41	-.02	.90	1.14	-.13	.59	2.12	1.11	1.57
28	2.15	.99	1.59	1.38	-.09	.88	1.48	-.21	.71	2.44	1.48	1.91
29	1.96	.67	1.34	1.54	.05	.96	1.46	.31	.89	2.23	.43	1.32
30	1.99	.46	1.37	1.41	.17	.99	1.68	.29	.86	1.71	.64	1.16
31	---	---	---	1.52	.20	1.02	1.64	.48	1.03	---	---	---
MONTH	2.46	-.13	1.37	2.20	-.09	1.24	1.80	-.36	.91	2.44	.01	1.28

CALCASIEU RIVER BASIN
08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1998 to September 1999.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1998 to September 1999.

WATER TEMPERATURE: December 1998 to September 1999.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 38,700 microsiemens, Sept. 22, 1999; minimum, 38 microsiemens, Apr. 14, 1999.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 3, 1999; minimum, 9.2°C, Dec. 27, 1998.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 38,700 microsiemens, Sept. 22; minimum, 38 microsiemens, Apr. 14.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 3; minimum, 9.2°C, Dec. 27.

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR DECEMBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1										3350	300	2220
2										3410	310	1830
3										795	157	318
4										275	117	164
5										197	111	153
6							3420	2430	3020	1020	105	489
7							3610	2020	3050	1300	68	517
8							3710	2570	3050	90	57	70
9							4000	2960	3460	86	58	67
10							6010	3410	4930	58	48	53
11							10200	3770	7040	55	45	50
12							8500	1320	4020	63	47	54
13							1480	540	1100	94	50	62
14							1020	398	699	71	52	65
15							1260	434	837	298	56	119
16							1590	361	958	437	111	265
17							1440	301	839	1060	274	473
18							765	246	511	777	337	486
19							1070	148	531	1330	406	730
20							268	71	151	1230	521	865
21							215	74	121	1630	479	1000
22							151	66	86	2410	1450	1730
23							340	66	204	1490	275	630
24							1310	221	778	1190	303	538
25							1750	608	1230	998	372	766
26							2810	895	1780	1900	551	1190
27							3920	1590	2390	1870	1070	1470
28							5160	2290	3270	2230	1350	1700
29							3030	1960	2480	2560	1700	2120
30							3740	1780	2450	4390	2420	3470
31							2810	1600	2010	3620	1240	2000
MONTH										4390	45	828

CALCASIEU RIVER BASIN
08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES--Continued

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR DECEMBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1840	1030	1430	5090	3260	4110	4480	2460	3380	8590	5160	6850
2	1690	712	1170	5360	3140	3950	4190	2290	3120	13200	6930	9670
3	1350	687	917	4200	2540	3050	4590	2030	3620	12900	8380	10400
4	1660	221	758	3890	2460	3280	4230	2420	2990	14500	8740	11600
5	363	120	251	4330	3240	3750	3260	1400	2080	15300	13600	14200
6	120	54	79	4380	2740	3560	1400	317	894	15200	11300	13500
7	96	52	71	4490	2520	3850	444	132	262	13200	9920	11700
8	95	49	69	8830	2960	5000	222	59	137	12800	9090	11400
9	155	61	83	9070	3800	5750	119	51	76	13100	10300	12100
10	135	80	97	5170	3000	3990	86	39	53	12900	11600	12600
11	213	72	125	6110	3570	4490	75	41	60	13400	9760	11300
12	143	80	96	4670	2490	3590	85	42	69	14100	9220	11800
13	202	86	124	5520	1820	3670	99	41	62	12000	7030	9950
14	646	113	246	1820	272	664	140	38	59	12000	7350	10200
15	1350	257	645	272	159	233	84	46	67	11400	8820	10600
16	2070	610	1300	262	73	186	80	53	66	12400	9180	11200
17	2920	1660	2260	167	62	119	71	57	63	14100	11300	12700
18	4240	2250	3160	238	62	115	637	71	164	13000	9860	11100
19	3960	1920	2540	246	81	132	754	153	588	12200	10200	11200
20	3640	1720	2500	171	80	113	1430	571	1030	12200	9470	11200
21	4120	2290	3240	144	96	111	2160	1340	1640	12100	10400	11200
22	4970	3260	4340	507	127	272	2360	1530	1940	13800	9490	11300
23	6780	4450	5330	952	148	450	2940	1890	2340	12000	9300	10900
24	6580	5280	6200	628	241	467	2760	2200	2460	11100	9490	10400
25	7840	4410	5910	1220	313	602	2800	2220	2510	11000	9200	10400
26	6600	4160	5150	1710	413	814	3840	2660	3170	11500	9760	10700
27	7100	4790	5860	3380	693	1670	3760	2930	3390	11400	8770	10100
28	6230	4060	4970	3320	1850	2570	4650	3080	3880	12000	8500	10300
29	---	---	---	4300	2270	2980	5080	3640	4500	11200	8110	10500
30	---	---	---	4230	2420	2930	7340	3980	6160	14500	8360	11700
31	---	---	---	5560	2470	3670	---	---	---	13100	8360	11900
MONTH	7840	49	2100	9070	62	2260	7340	38	1690	15300	5160	11100
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	12200	9100	11600	1330	413	774	5500	2760	3430	23600	18900	20900
2	11900	9000	11000	1400	406	777	5970	2640	4030	25700	16800	21900
3	11500	7740	10300	863	438	613	8820	3600	5710	23100	17100	21600
4	9710	6580	8890	1100	666	858	9670	4900	6730	26400	17800	22300
5	9210	6550	8220	1830	815	1260	13200	7360	10800	21200	16500	19800
6	9200	7540	8530	1960	1120	1560	15400	7360	13000	19700	16000	18600
7	9550	6520	7880	2390	1310	1830	20300	8730	14300	20600	14900	18600
8	9640	5830	7360	4140	1510	2640	17600	10100	14500	22400	17800	19400
9	9700	6540	7910	4250	1580	2490	18000	11400	14800	19100	16100	17100
10	8990	5840	7120	4940	1520	2810	16300	7640	11600	21600	14500	18300
11	8830	5080	6810	4230	1520	2700	14900	7610	12200	21600	18100	20000
12	9580	4950	7030	2620	1630	2070	15500	11200	13000	21500	18800	20300
13	8300	4460	6740	1900	745	1380	16600	8810	11600	22800	17800	20300
14	7290	3750	5740	1310	716	918	13600	7530	9640	31600	21200	24100
15	5820	3580	4560	1550	424	833	19600	6830	10900	33000	28200	31500
16	5980	3220	4570	1500	547	981	20000	15500	18300	35500	29800	32800
17	5920	3190	4370	1070	614	858	20500	16000	19300	35200	24300	31900
18	6930	3610	4980	1770	679	1190	21100	16100	19400	34100	29800	32300
19	9930	4140	6060	2240	1320	1760	20200	16900	19200	35100	28300	33100
20	7980	4360	5750	2060	1140	1640	20600	17500	19300	34300	30700	33000
21	10700	6330	7890	3020	1220	1850	21000	17500	19600	37200	22400	32900
22	11700	6580	9560	1970	1010	1520	22100	14700	19700	38700	28200	33800
23	11400	6780	9440	2580	1010	1630	21000	18300	19700	36800	32500	34500
24	10600	6560	8370	2420	1120	1860	22900	15300	20600	36600	26400	32900
25	10800	6310	8040	3680	1020	1960	22300	18300	20700	35400	27800	32200
26	7760	3280	5420	3320	1010	1850	21100	18400	19700	34500	23600	29700
27	3750	1430	2640	3920	1140	2140	20400	15500	18100	34400	26100	30400
28	1790	821	1220	3740	1240	2180	21800	14800	18300	32600	25300	29500
29	1310	427	780	4020	1550	2610	22400	17200	19600	34300	19800	27700
30	1880	419	840	6070	2350	3630	23100	18200	20600	30700	20200	26900
31	---	---	---	6540	2640	3800	22800	20600	21600	---	---	---
MONTH	12200	419	6650	6540	406	1770	23100	2640	15200	38700	14500	26300

CALCASIEU RIVER BASIN
08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES--Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR DECEMBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1										13.5	12.1	12.6
2										13.5	12.8	13.1
3										13.0	12.4	12.8
4										12.4	10.9	11.5
5										10.9	9.8	10.2
6							21.6	20.7	21.1	9.9	9.4	9.6
7							22.0	21.3	21.6	12.1	9.6	10.8
8							22.0	19.3	20.4	14.3	12.1	13.3
9							19.6	19.0	19.3	14.3	13.5	13.9
10							19.3	18.2	18.8	13.5	12.4	12.9
11							18.6	17.8	18.3	12.4	11.6	12.0
12							18.4	15.3	17.1	11.9	11.5	11.7
13							15.3	13.1	14.3	13.8	11.7	12.2
14							13.2	12.6	12.9	12.6	12.4	12.5
15							12.6	12.0	12.4	13.3	12.4	12.6
16							12.1	11.5	11.9	13.7	12.2	12.7
17							11.8	11.2	11.5	14.8	12.6	13.2
18							11.3	11.0	11.2	15.0	12.9	13.6
19							11.9	11.2	11.6	15.0	13.4	14.1
20							12.6	11.9	12.3	15.8	14.5	15.0
21							13.6	12.6	13.1	17.1	15.8	16.1
22							13.6	13.1	13.3	17.8	16.2	17.1
23							13.1	11.7	12.4	16.2	15.9	16.1
24							11.7	10.5	11.1	16.3	15.5	15.8
25							10.5	9.6	10.1	16.9	15.8	16.2
26							10.3	9.3	9.7	17.9	15.7	16.6
27							10.4	9.2	9.7	17.8	16.1	16.8
28							11.3	9.9	10.8	18.3	16.6	17.5
29							11.6	10.8	11.2	18.6	17.5	18.1
30							12.0	10.8	11.4	18.6	17.2	18.0
31							12.8	11.5	12.0	17.3	16.6	16.9
MONTH										18.6	9.4	14.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	17.6	16.5	17.0	17.8	16.5	17.2	19.6	17.9	18.6	24.9	22.7	24.2
2	17.9	17.3	17.6	18.4	17.1	17.5	20.9	18.6	19.4	24.9	23.4	24.4
3	17.4	17.1	17.2	17.6	16.8	17.1	20.6	19.3	20.2	24.9	23.9	24.3
4	17.1	16.8	17.0	17.3	16.5	16.9	21.0	19.3	20.0	24.5	23.8	24.2
5	17.1	16.7	16.9	18.0	16.9	17.5	21.1	19.6	20.1	25.5	24.3	24.8
6	17.2	16.7	17.0	19.5	17.5	18.2	21.1	19.8	20.4	25.6	24.6	25.0
7	17.8	17.1	17.5	18.1	17.4	17.7	21.5	20.5	20.9	25.4	24.2	24.7
8	18.7	17.8	18.2	18.0	16.8	17.5	22.0	21.2	21.6	27.3	24.2	25.6
9	19.5	18.5	18.8	19.2	18.0	18.4	22.4	21.9	22.1	27.0	25.4	26.3
10	20.5	19.2	19.6	19.2	18.0	18.5	22.8	22.3	22.5	26.6	25.3	26.0
11	20.7	19.7	20.1	19.5	18.5	19.1	23.4	22.8	23.1	26.0	24.3	25.0
12	20.0	19.1	19.4	18.9	18.5	18.6	23.6	23.1	23.3	25.2	24.5	24.8
13	19.1	18.6	18.9	18.9	17.7	18.4	24.3	22.9	23.2	25.6	24.4	25.0
14	19.0	17.8	18.3	17.7	15.6	16.7	23.4	22.7	22.9	27.3	24.7	25.5
15	18.0	16.7	17.5	15.6	14.5	15.0	22.8	22.5	22.6	27.6	25.2	26.1
16	18.0	16.7	17.4	15.2	14.1	14.3	22.5	21.4	21.9	27.8	25.6	26.6
17	17.7	16.8	17.2	14.9	14.3	14.5	21.4	20.6	20.9	28.1	26.1	27.1
18	17.5	16.1	16.9	15.9	14.7	15.2	20.7	20.1	20.4	27.8	25.8	26.6
19	17.3	16.3	16.8	15.9	15.4	15.6	21.1	19.8	20.2	27.5	25.8	26.5
20	17.2	16.2	16.6	16.4	15.8	16.1	22.6	20.2	21.2	27.8	26.2	26.9
21	16.6	15.5	16.2	17.7	16.2	16.7	22.5	21.3	21.8	27.5	26.5	27.0
22	15.8	15.0	15.4	18.5	16.6	17.2	23.0	21.7	22.3	27.6	26.3	27.0
23	16.2	14.7	15.6	18.5	16.9	17.6	24.4	22.8	23.5	28.0	26.8	27.2
24	17.3	15.3	16.2	19.2	17.2	17.9	26.6	23.2	24.5	28.3	26.9	27.5
25	17.0	15.7	16.3	18.7	17.8	18.3	26.6	23.8	25.0	28.1	26.9	27.4
26	18.2	16.1	17.0	19.0	17.5	18.2	25.4	24.6	25.0	28.3	27.1	27.6
27	18.9	17.4	17.8	18.9	17.4	18.1	25.1	23.7	24.3	29.2	27.3	27.8
28	17.9	16.8	17.3	18.2	17.6	17.9	27.1	24.1	25.1	28.0	27.1	27.6
29	---	---	---	18.5	18.0	18.3	26.6	25.0	25.7	28.6	26.6	27.5
30	---	---	---	18.4	18.1	18.3	25.7	24.0	24.8	28.4	27.1	27.7
31	---	---	---	18.3	18.1	18.2	---	---	---	28.7	26.4	27.7
MONTH	20.7	14.7	17.4	19.5	14.1	17.3	27.1	17.9	22.2	29.2	22.7	26.2

CALCASIEU RIVER BASIN
08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES--Continued
WATER-QUALITY RECORDS

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR DECEMBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.7	27.3	28.4	30.3	28.3	29.0	31.8	30.2	31.0	31.2	29.2	29.9
2	29.8	27.6	28.6	30.9	28.7	29.6	31.8	30.2	30.8	31.6	29.7	30.3
3	30.1	27.7	28.7	30.8	29.4	29.9	33.0	30.2	31.0	30.9	29.8	30.4
4	30.2	27.8	28.7	30.1	28.9	29.4	32.6	30.0	31.1	30.9	30.0	30.5
5	30.2	27.9	29.0	31.2	29.2	29.9	32.9	30.5	31.2	31.2	30.0	30.6
6	30.8	28.3	29.5	30.0	29.4	29.6	32.6	30.6	31.1	31.5	30.7	30.9
7	30.1	28.1	28.9	32.4	29.1	30.0	32.3	30.8	31.2	31.2	30.8	31.1
8	29.5	28.2	28.8	30.8	29.6	30.1	31.9	31.0	31.4	31.4	30.8	31.1
9	29.8	28.4	29.0	30.4	29.4	29.9	31.9	31.3	31.5	31.2	30.1	30.6
10	30.0	28.7	29.3	30.6	29.0	29.6	31.6	30.9	31.3	31.0	29.7	30.6
11	29.4	28.2	29.0	30.4	29.3	29.7	32.5	30.8	31.4	31.1	29.9	30.6
12	29.9	28.7	29.1	29.9	29.0	29.2	31.8	31.2	31.5	31.4	30.1	30.5
13	29.7	28.5	29.0	29.3	28.6	29.0	31.6	31.0	31.3	31.7	30.1	30.6
14	30.0	28.7	29.1	29.0	28.4	28.6	32.8	30.5	31.4	30.9	29.9	30.6
15	29.4	28.6	29.0	30.3	27.8	28.6	32.5	30.2	31.2	30.9	29.5	30.1
16	29.2	28.4	28.7	28.8	27.5	28.2	32.0	30.8	31.2	30.1	27.9	29.6
17	29.8	28.2	28.8	28.2	27.3	27.7	32.7	31.6	32.0	30.0	28.8	29.3
18	29.8	28.0	28.7	30.3	27.3	28.4	32.5	31.7	31.9	29.4	28.3	28.9
19	29.8	28.3	28.8	30.4	28.0	28.7	32.6	31.4	31.7	29.2	28.2	28.8
20	29.4	28.1	28.8	30.1	28.5	28.9	32.1	31.1	31.5	29.5	28.4	29.1
21	29.3	28.3	28.9	29.0	28.3	28.6	32.1	31.5	31.7	29.5	28.5	29.2
22	28.9	28.1	28.6	30.0	28.0	28.7	32.0	31.2	31.5	29.0	27.7	28.5
23	29.9	28.1	28.9	30.3	28.8	29.4	31.6	30.9	31.3	28.6	26.6	27.5
24	29.8	28.5	29.0	30.4	29.0	29.6	32.9	31.1	31.4	28.3	27.0	27.4
25	29.8	28.1	28.9	30.2	29.1	29.6	32.5	31.4	31.7	27.8	26.7	27.1
26	28.2	27.5	27.7	30.3	29.3	29.7	32.1	31.5	31.7	27.9	26.8	27.1
27	28.0	27.1	27.4	30.8	29.3	29.8	31.8	30.9	31.5	28.0	26.5	27.2
28	28.4	27.1	27.5	30.6	29.5	30.0	32.6	30.4	31.3	27.9	27.0	27.3
29	29.1	27.7	28.1	31.3	29.7	30.2	32.9	31.0	31.7	27.3	26.4	27.0
30	29.3	28.1	28.5	31.1	29.7	30.4	32.7	30.8	31.7	27.1	26.0	26.4
31	---	---	---	31.9	29.9	30.7	31.9	31.1	31.4	---	---	---
MONTH	30.8	27.1	28.7	32.4	27.3	29.4	33.0	30.0	31.4	31.7	26.0	29.3

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. Stage affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.49 ft, Sep. 12, 1998; minimum, -1.93 ft, Dec. 29, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2.92 ft, May 4; minimum, -1.37 ft, Feb. 12.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.78	.93	1.47	2.73	1.82	2.21	1.04	-.02	.62	1.87	.57	1.26
2	1.96	1.21	1.68	2.13	1.13	1.65	1.34	.11	.82	2.62	-.02	1.09
3	2.35	1.03	1.75	1.70	.59	1.24	1.60	.44	1.18	.23	-1.03	-.40
4	2.78	1.13	1.91	1.70	.57	1.25	1.78	.56	1.29	.52	-.91	-.22
5	2.87	1.92	2.50	1.19	.15	.81	1.51	.21	1.01	1.34	.20	.63
6	2.69	1.36	2.03	1.35	.09	.79	1.83	.69	1.34	1.87	.86	1.34
7	1.86	.91	1.51	1.61	.35	.98	1.92	.65	1.37	1.56	.82	1.18
8	1.78	.69	1.29	1.68	.30	1.09	1.68	-.61	.33	1.64	1.11	1.36
9	1.88	.78	1.38	1.76	.64	1.25	1.12	.19	.45	1.61	-.44	.13
10	1.88	.74	1.36	2.25	.47	1.34	1.24	-.29	.63	1.22	.16	.64
11	1.73	.88	1.39	1.16	.18	.58	1.11	.18	.53	1.39	.61	1.04
12	1.85	.43	1.18	1.47	.51	1.07	1.20	-.13	.41	1.40	.55	1.08
13	1.36	.51	1.01	1.91	1.18	1.56	.16	-.71	-.16	1.64	.64	1.16
14	1.48	.72	1.13	2.03	1.02	1.51	.77	-.19	.32	1.20	-.08	.60
15	1.63	1.01	1.40	1.38	.47	.90	.72	-.20	.36	1.45	.00	.72
16	2.23	1.39	1.90	1.25	.51	.93	.77	-.23	.40	1.60	.45	1.15
17	2.58	1.61	2.24	1.17	.23	.82	.73	-.67	.18	1.81	.72	1.35
18	2.65	1.81	2.27	1.52	.44	1.06	1.96	.16	.96	1.48	.18	.93
19	2.12	1.49	1.82	1.63	.54	1.20	2.08	.55	1.29	1.40	.27	.92
20	1.81	1.01	1.43	1.63	.27	.90	1.61	.19	.91	1.43	.38	.97
21	1.51	.81	1.22	1.42	.11	.66	1.61	.51	1.14	2.23	1.06	1.57
22	1.21	.20	.74	1.67	.55	1.20	1.28	-1.01	-.18	2.50	1.46	1.97
23	1.98	.92	1.37	1.60	.51	1.15	.80	-.13	.38	1.54	-.24	.35
24	2.28	1.27	1.79	1.48	.20	.80	.73	-.54	.10	1.01	-.06	.51
25	2.29	1.34	1.89	1.48	.48	1.06	.70	.06	.32	1.06	.10	.64
26	2.32	1.23	1.83	1.42	.21	.79	1.06	.21	.56	1.08	.07	.69
27	2.30	1.20	1.81	1.11	.36	.70	1.45	.48	.95	1.18	.09	.73
28	2.06	1.16	1.65	1.14	.50	.78	1.64	.48	.95	1.80	.29	1.08
29	2.03	1.17	1.65	1.35	.64	1.05	1.11	.11	.69	2.02	.76	1.54
30	2.12	1.28	1.73	1.64	.76	1.16	1.53	-.49	.51	2.19	.61	1.33
31	2.20	1.54	1.92	---	---	---	1.61	.29	1.04	1.04	-.23	.51
MONTH	2.87	.20	1.62	2.73	.09	1.08	2.08	-1.01	.67	2.62	-1.03	.90

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.36	.08	.83	1.46	.21	.91	1.78	.94	1.44	1.95	.65	1.47
2	1.61	.44	1.08	1.78	.83	1.39	1.75	.92	1.49	1.99	.97	1.58
3	1.71	.85	1.23	.92	-.39	.21	2.69	1.35	2.14	1.88	.89	1.48
4	1.47	.46	.99	1.97	.29	1.17	2.33	1.52	1.91	2.92	1.08	2.21
5	1.56	.90	1.29	2.00	1.18	1.63	2.32	1.42	1.85	2.68	1.63	2.21
6	1.77	.95	1.29	1.18	.51	.96	1.57	.72	1.29	2.01	1.07	1.48
7	1.76	1.13	1.40	1.53	-.41	.46	1.63	.76	1.25	1.66	.54	1.19
8	1.39	.69	1.12	2.54	1.34	2.05	1.91	.96	1.48	1.85	.82	1.42
9	1.59	.77	1.20	2.13	1.08	1.35	1.91	1.13	1.51	2.29	1.20	1.80
10	1.85	.59	1.22	1.96	.45	1.30	2.10	1.05	1.61	2.08	1.29	1.84
11	1.85	.57	1.31	1.99	.90	1.50	1.76	.88	1.36	2.41	1.29	1.90
12	.57	-1.37	-.53	2.58	.77	1.66	1.43	.55	1.06	2.30	1.11	1.66
13	.59	-.65	.03	2.58	.66	1.55	1.82	.78	1.39	1.76	.57	1.33
14	1.20	-.23	.51	.66	-.91	-.38	2.71	1.81	2.31	1.60	.57	1.20
15	1.60	.37	1.00	.75	-.91	-.13	1.99	-.31	.99	1.94	.63	1.45
16	1.63	.44	1.09	1.24	.32	.82	1.10	-.49	.27	2.21	.77	1.72
17	1.37	.29	.95	1.67	.71	1.16	.92	-.05	.44	2.26	1.01	1.81
18	1.59	.67	1.13	1.47	.59	1.06	1.07	-.42	.47	1.80	.62	1.24
19	1.11	.16	.70	1.67	.81	1.26	.93	-.14	.56	1.76	.23	1.16
20	1.45	.53	1.07	1.49	.38	.97	1.09	-.22	.60	1.73	.49	1.21
21	.90	.06	.35	1.02	-.07	.51	1.87	.29	1.16	1.77	.80	1.28
22	1.75	-.30	.80	1.37	.08	.88	2.23	1.01	1.71	1.47	.56	1.07
23	1.66	.87	1.17	1.49	.46	1.07	2.04	.88	1.50	1.50	.53	1.00
24	1.31	-.12	.64	1.46	.29	.95	1.50	.57	1.11	1.02	.40	.72
25	1.37	.21	.94	1.09	.10	.67	1.73	.69	1.22	1.29	.45	.90
26	1.53	.26	1.02	1.10	-.13	.60	1.97	1.08	1.55	1.12	.28	.79
27	1.78	.63	1.28	1.67	.20	.99	1.75	.98	1.43	.96	.08	.67
28	1.22	-.20	.64	2.02	.95	1.51	1.51	.73	1.22	1.05	.00	.64
29	---	---	---	1.54	.59	1.06	1.62	.27	1.09	1.16	.02	.81
30	---	---	---	1.43	.70	1.07	1.51	.14	.98	1.38	.30	1.02
31	---	---	---	1.56	.80	1.23	---	---	---	1.60	.26	1.06
MONTH	1.85	-1.37	.92	2.58	-.91	1.01	2.71	-.49	1.28	2.92	.00	1.33
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.65	.42	1.23	1.93	.73	1.42	1.20	.44	.91	1.94	.84	1.43
2	1.85	.78	1.38	1.81	.79	1.40	1.17	.53	.86	1.74	.85	1.40
3	1.73	.71	1.29	1.70	.77	1.31	1.21	.55	.89	1.78	.67	1.30
4	1.62	.71	1.22	1.63	.76	1.24	1.13	.35	.79	1.83	.45	1.35
5	1.80	.77	1.31	1.63	.59	1.02	1.31	.49	1.00	1.50	.33	1.13
6	1.57	.65	1.08	1.21	.44	.78	1.40	.41	1.06	1.40	.18	.99
7	1.46	.51	1.01	1.28	.53	.90	1.53	.36	1.15	1.39	.18	.95
8	1.65	.91	1.27	1.41	.57	1.13	1.61	.23	1.19	1.49	.33	1.05
9	1.73	.99	1.41	1.76	.42	1.24	1.39	.11	.95	1.07	.30	.73
10	1.72	.69	1.37	1.58	.45	1.23	1.16	-.06	.75	1.64	.21	1.03
11	1.58	.28	1.15	1.70	.41	1.23	1.47	-.16	.85	1.56	.83	1.21
12	1.63	.28	1.15	1.79	.36	1.13	1.37	.17	.94	1.54	.98	1.27
13	1.61	.31	1.06	1.58	.21	1.09	1.04	.23	.71	1.55	.77	1.19
14	1.47	.16	.99	1.63	.30	1.16	.80	.00	.42	1.47	.71	1.07
15	1.31	.01	.86	1.74	.53	1.31	.99	-.03	.51	1.31	.73	1.06
16	1.39	.09	.90	1.88	.86	1.46	1.20	.61	.89	1.35	.72	1.07
17	1.23	.09	.76	1.76	.90	1.40	1.21	.49	.90	1.33	.37	.90
18	1.36	-.09	.85	1.80	1.03	1.48	1.05	.51	.82	1.25	.59	1.00
19	1.69	.67	1.26	2.11	1.26	1.56	1.12	.42	.81	1.62	.71	1.24
20	1.85	1.00	1.48	1.92	1.33	1.69	1.20	.31	.89	1.63	.99	1.41
21	2.25	1.38	1.80	1.77	.97	1.48	1.27	.33	.90	2.14	.51	1.50
22	1.73	.97	1.44	1.62	.69	1.29	1.38	.36	1.04	1.81	.51	1.37
23	1.84	.97	1.50	1.42	.34	1.00	1.61	.42	1.21	1.89	1.02	1.54
24	1.81	.95	1.48	1.61	.34	1.00	1.43	.46	1.12	1.73	.82	1.33
25	2.15	.92	1.58	1.49	.34	1.12	1.49	.42	1.11	2.00	.78	1.47
26	2.17	.97	1.66	1.41	.30	1.05	1.15	.21	.78	2.07	1.31	1.69
27	2.02	.89	1.58	1.31	.25	.93	.92	.06	.55	2.05	1.19	1.64
28	1.86	.69	1.38	1.34	.18	.93	1.19	-.09	.64	2.40	1.54	1.97
29	1.65	.59	1.16	1.46	.28	.99	1.21	.46	.84	2.38	.50	1.31
30	1.67	.42	1.21	1.38	.42	1.04	1.45	.45	.85	1.75	.72	1.20
31	---	---	---	1.43	.45	1.08	1.60	.68	1.02	---	---	---
MONTH	2.25	-.09	1.26	2.11	.18	1.20	1.61	-.16	.88	2.40	.18	1.26

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, 43,200 microsiemens, Sept. 22, 1999; minimum, 189 microsiemens, Jan. 19, 1998.

WATER TEMPERATURE: Maximum, 33.3°C, Aug. 2, 1998; minimum, 9.3°C, Dec. 26, 1998.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 43,200 microsiemens, Sept. 22; minimum, 1140 microsiemens, Apr. 15.

WATER TEMPERATURE: Maximum, 32.9°C, Aug. 1; minimum, 9.3°C, Dec. 26.

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	18700	15700	17900	23500	22200	22800	10300	8700	9930	20000	16000	17400
2	17300	15700	16200	23200	22400	22800	9880	8510	9250	17700	11500	15100
3	17500	15200	16100	22800	20500	21500	11100	9300	9960	14200	6260	8600
4	17000	15600	16300	24100	20500	22500	11500	9830	10500	12400	10000	11600
5	17000	15700	15900	25000	21400	23900	12200	10600	11000	13100	8600	11900
6	19200	15200	17100	27900	20000	24700	12200	11100	11600	13100	10100	11800
7	19200	11900	14000	28900	24200	26600	13800	11600	12400	12200	6700	9820
8	19900	10400	12400	28700	26200	27900	15400	10700	13400	10100	4980	8130
9	20400	10400	13400	27600	24500	26000	18200	10700	15900	9820	1440	2530
10	15200	12300	13600	28000	24800	26100	25000	15500	20400	2620	1350	1940
11	17500	13100	14800	28000	25100	26500	25100	20300	21800	3300	1600	2240
12	18300	14400	16200	30700	26000	28100	21500	13000	18400	2310	1160	2030
13	16800	15400	16300	31000	28300	29700	16200	12000	14400	2740	1740	2290
14	19700	15500	16700	32200	28500	30200	16700	12800	15700	4560	2390	3050
15	19700	16500	17400	30400	21500	26600	17400	13200	15900	7070	4560	6390
16	17300	16600	16900	28700	23900	27200	17700	13100	15200	8440	5000	6490
17	17400	16900	17200	28400	21100	27000	17500	11200	14200	9970	4780	7180
18	17300	16600	17000	27400	18200	26300	14300	11200	13000	9890	6860	8110
19	21600	16800	19400	26800	16900	20800	14900	11500	13000	9080	6780	7980
20	20900	19400	20100	17800	11500	15600	12800	8590	10500	8440	6950	7760
21	20700	18100	19900	17000	14600	16000	13000	8700	11000	7590	6550	7050
22	20300	16300	18900	20300	13700	18000	13000	6190	9540	7520	6360	7190
23	24500	16200	21000	20300	17900	19000	16400	12600	14300	10800	5980	7380
24	25600	22600	24500	19100	13700	17300	17900	10900	15300	7430	4840	5670
25	27100	23900	25700	18800	13400	16300	17800	10700	15800	7860	6760	7430
26	27100	23600	25700	15500	10800	12900	19800	14300	17200	9080	6910	7910
27	26700	24400	25500	16000	9400	12800	17600	15300	16500	9280	7480	8410
28	26100	23700	24800	12000	8080	9630	18000	16000	17100	11300	8020	9190
29	24900	22400	23700	8880	8350	8550	17800	11400	16200	9800	8580	9140
30	23800	22000	22800	11100	8500	9510	16400	13500	14600	11000	7990	9210
31	22500	22000	22300	---	---	---	21000	14300	18000	11700	7410	9820
MONTH	27100	10400	18700	32200	8080	21400	25100	6190	14300	20000	1160	7770

CALCASIEU RIVER BASIN
08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued
WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	14600	8120	12200	13600	11700	12300	15100	15000	15000	23700	17800	19500
2	14600	11700	13300	12500	11700	12000	15200	14600	14900	22100	18800	20700
3	14700	12300	13200	15000	11100	12700	14600	12400	13300	20200	16700	18700
4	13200	11100	12200	13100	10200	11600	14300	12300	13300	23800	15700	18000
5	12600	8870	10700	12500	11200	11900	14300	13200	13800	25800	16900	21800
6	10400	8240	9560	13000	11700	12700	13600	8560	11600	19000	16600	17800
7	10100	7180	9100	15800	10800	13100	9060	8300	8700	21900	19000	19900
8	9090	4150	6710	15900	12800	14300	8690	8140	8510	22000	20200	21100
9	6830	2230	3830	17100	12700	14700	13600	8300	11000	20700	20200	20500
10	4420	2270	3230	17000	14700	15600	12600	10100	11500	20800	19800	20300
11	6630	2810	4270	16500	14900	15700	11800	9370	10800	20000	19600	19900
12	5710	1840	2710	17700	16100	17000	10000	1390	4540	21600	20000	20800
13	7690	3210	4580	16100	14700	15500	3580	1520	2460	21600	19800	21100
14	10400	7510	9040	14700	7420	9170	2910	1960	2230	20500	18000	19600
15	12500	8130	9920	8610	6390	7250	4190	1140	2260	18900	17400	18400
16	11900	9440	10500	8760	6750	8210	4530	1210	2590	19000	17400	18300
17	13400	9020	11400	7890	5840	6590	7030	3480	4960	21200	18700	19900
18	12700	11800	12200	6480	5060	5850	6270	3890	5210	20800	19100	19700
19	12800	11200	12200	6360	4910	5440	7040	3930	5420	19700	19000	19300
20	13600	11000	12000	6430	5150	5990	6980	4200	5520	19700	18900	19300
21	18400	11900	15300	6420	4460	5250	5810	4320	4660	19400	16800	18100
22	13900	13100	13500	5600	4930	5280	10800	4500	6410	---	---	---
23	16000	13000	14800	6220	5290	5860	19000	5500	11400	---	---	---
24	17600	15900	16600	6820	4980	5900	13000	6660	9880	---	---	---
25	16400	14900	15600	6190	4730	5570	11100	6930	8730	40900	36700	37700
26	15900	15000	15400	9520	5650	8260	13700	9620	12900	36800	33100	35400
27	15600	14700	15200	12300	8470	11200	17600	13400	16000	34100	30100	33100
28	15600	11100	13600	14300	11900	12700	15200	9750	13700	33900	30500	31800
29	---	---	---	15600	13400	14600	12800	9950	10600	36100	33900	35100
30	---	---	---	15700	13500	14800	17900	12700	14400	36900	35800	36400
31	---	---	---	15300	14900	15100	---	---	---	---	---	---
MONTH	18400	1840	10800	17700	4460	10700	19000	1140	9210	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	---	---	---	21300	20100	20700	15100	13200	14200	35300	33200	34000
2	---	---	---	21400	20400	21000	16400	13200	15300	37800	33800	35900
3	---	---	---	21400	19700	20400	18500	15700	17200	38000	35100	36900
4	---	---	---	20000	17300	18600	21000	17900	19900	37900	36300	36900
5	---	---	---	19200	16900	18300	26600	20400	22300	37500	36000	37000
6	---	---	---	20000	10400	19300	26200	22900	25000	37000	35800	36500
7	---	---	---	20300	11400	18000	27200	24600	25800	36100	34400	35700
8	---	---	---	14000	11600	12800	27900	24500	26400	35900	33300	34900
9	---	---	---	13400	11800	12200	27400	25700	26900	35400	32700	34200
10	---	---	---	13400	12200	12800	28300	26000	27100	36700	31700	34200
11	---	---	---	13300	12800	13100	26800	23800	25700	37100	34600	36300
12	---	---	---	13800	12300	13400	25100	19600	22700	37500	36600	36900
13	---	---	---	13800	12000	13100	21900	18100	19500	37100	36400	36700
14	---	---	---	13600	11900	13000	22700	17500	20100	39000	36300	37600
15	---	---	---	12500	11400	12100	25300	20200	22900	39100	34300	38100
16	---	---	---	11500	9850	11000	29900	24300	28000	39200	37400	38300
17	---	---	---	11000	9850	10500	29300	24800	28000	39000	38200	38500
18	---	---	---	11000	10100	10700	29200	26100	28100	38500	36400	37700
19	---	---	---	10600	9970	10200	29100	28300	28900	38900	36700	37600
20	---	---	---	11100	10200	10600	28900	26600	28300	38800	36500	38100
21	---	---	---	10900	10700	10900	28700	27100	28200	41000	36700	38500
22	23800	22000	23000	10900	10100	10700	30000	27000	28100	43200	38100	40200
23	23700	21500	22300	10500	9490	10100	31300	28100	29600	42600	39500	41100
24	22200	19600	21200	10200	8890	9660	32300	28300	30100	42000	39300	40900
25	20400	19400	19900	11700	9490	10300	32400	29400	30900	42100	39200	40700
26	21000	19400	20400	11800	10100	11100	32000	29800	31000	41700	39300	40500
27	21200	19000	20400	12900	11100	11600	31300	28800	30300	41800	39400	40500
28	21000	18800	20000	13500	11700	12600	31400	30000	30900	42100	39400	41100
29	20400	18100	19400	13700	12000	13100	33800	31000	32100	42100	40000	41000
30	20800	17900	19900	14400	13100	13600	34900	32200	33800	41400	38900	40000
31	---	---	---	14700	12200	13700	34400	33800	34200	---	---	---
MONTH	---	---	---	21400	8890	13500	34900	13200	26200	43200	31700	37900

CALCASIEU RIVER BASIN
08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	31.0	29.2	29.5	25.1	24.1	24.5	22.2	20.3	21.2	14.5	13.0	13.9
2	30.6	29.6	30.0	24.3	23.4	23.9	22.0	21.1	21.5	14.5	12.5	13.8
3	29.6	28.2	28.7	23.4	22.1	22.8	22.0	21.0	21.5	12.5	10.6	11.6
4	28.2	26.4	27.4	23.1	21.8	22.5	22.5	21.5	22.0	11.4	9.6	10.6
5	27.0	25.9	26.5	21.8	19.2	20.9	23.4	22.0	22.5	11.4	9.4	10.4
6	26.9	26.1	26.5	20.6	18.3	19.3	23.6	22.8	23.2	11.6	9.8	10.6
7	27.3	26.1	26.6	19.0	17.6	18.1	24.2	23.3	23.6	13.3	11.3	12.0
8	26.8	24.8	25.8	20.0	17.9	18.8	24.0	19.2	21.6	14.5	12.6	13.5
9	26.2	24.0	25.2	20.6	19.4	20.0	19.5	18.6	19.1	14.5	12.5	13.3
10	26.0	23.8	24.9	20.6	19.7	20.3	18.6	16.9	17.7	13.7	12.2	12.8
11	25.7	23.6	24.7	19.9	18.0	18.7	16.9	15.2	16.0	13.4	11.9	12.6
12	26.3	24.1	25.3	18.3	17.3	17.6	15.6	14.6	15.1	14.0	12.7	13.4
13	26.0	23.9	24.7	17.4	16.4	16.9	14.8	13.5	14.3	14.4	13.1	13.8
14	25.6	23.7	24.5	18.8	16.9	17.8	15.8	14.2	15.1	14.3	12.8	13.3
15	25.8	24.6	25.2	18.6	18.4	18.5	15.1	14.1	14.6	13.2	12.1	12.6
16	25.9	25.3	25.6	18.6	18.3	18.5	15.0	13.8	14.4	14.1	12.6	13.2
17	26.0	25.1	25.6	18.8	18.5	18.7	14.7	13.4	14.2	15.6	13.9	14.5
18	25.7	25.5	25.6	19.2	18.7	19.0	14.4	12.5	13.5	15.9	14.8	15.4
19	26.0	25.3	25.6	20.6	19.1	19.6	15.4	13.6	14.3	16.4	15.1	15.7
20	25.6	24.6	25.1	20.6	18.6	20.0	17.2	14.1	15.1	17.5	15.8	16.4
21	25.1	23.6	24.5	18.6	17.1	18.0	18.8	15.0	16.5	18.9	17.3	18.0
22	23.6	21.9	22.8	18.3	16.3	17.6	18.1	12.9	14.0	19.5	18.3	18.8
23	21.9	19.3	20.9	18.8	17.9	18.4	13.6	11.3	12.6	18.6	16.5	17.1
24	22.2	19.4	21.1	19.3	18.7	19.0	11.6	9.8	11.1	16.6	15.0	15.7
25	22.5	21.0	22.0	20.0	18.9	19.5	10.4	9.5	10.0	17.4	15.8	16.3
26	23.5	21.9	22.8	20.6	19.6	20.0	10.6	9.3	9.9	17.3	15.8	16.6
27	23.4	22.2	22.9	22.5	19.9	20.4	11.1	9.6	10.3	18.1	16.2	17.1
28	23.7	22.4	23.0	22.6	20.5	21.5	12.8	11.1	11.9	18.8	17.5	18.2
29	24.5	22.8	23.6	21.5	20.5	21.1	13.1	12.1	12.6	19.7	18.7	19.2
30	24.9	23.5	24.1	21.8	20.9	21.4	12.9	11.0	11.7	19.6	18.5	19.4
31	24.8	23.8	24.3	---	---	---	13.0	11.4	12.1	18.5	17.5	17.8
MONTH	31.0	19.3	25.0	25.1	16.3	19.8	24.2	9.3	15.9	19.7	9.4	14.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	18.5	16.9	17.8	19.2	17.4	18.2	20.6	18.2	19.2	25.6	23.6	24.3
2	18.2	17.6	18.0	19.4	18.5	19.0	21.5	20.5	20.9	24.5	23.8	24.1
3	17.6	16.9	17.2	19.2	17.1	18.1	21.4	21.2	21.3	24.1	23.2	23.7
4	18.4	17.2	17.9	17.9	16.5	16.9	22.1	21.4	21.7	23.8	23.3	23.6
5	17.9	16.8	17.3	18.2	16.8	17.4	22.8	22.0	22.3	24.9	23.7	24.1
6	18.8	17.5	17.9	20.6	18.2	18.9	23.5	22.6	22.9	25.7	24.0	24.8
7	19.6	18.7	19.2	19.6	16.9	17.8	24.0	22.1	22.8	25.3	23.6	24.3
8	20.2	19.0	19.6	17.4	16.9	17.2	24.2	23.2	23.8	25.9	23.9	24.5
9	20.8	19.3	20.1	19.6	17.4	18.3	25.0	23.8	24.3	26.3	25.1	25.8
10	21.7	19.7	20.6	20.2	18.4	19.5	25.6	24.3	24.9	26.0	25.2	25.6
11	21.8	20.4	21.3	20.8	19.8	20.3	25.5	24.4	25.2	25.3	24.2	24.6
12	20.4	16.5	17.8	20.4	18.9	19.4	24.5	22.7	23.8	24.9	24.2	24.4
13	17.5	15.9	16.8	20.2	17.7	19.3	24.0	22.6	23.4	26.3	23.6	24.6
14	16.6	15.3	16.1	17.7	15.1	15.9	23.9	23.2	23.6	27.5	25.4	26.3
15	16.9	15.2	16.3	17.3	13.9	15.5	23.6	21.5	22.9	28.0	26.4	27.1
16	17.5	16.3	16.9	17.1	15.2	16.1	21.9	20.7	21.3	28.0	26.9	27.3
17	17.6	16.7	17.2	17.6	16.4	17.0	21.5	19.3	20.6	28.2	26.9	27.5
18	17.4	15.7	16.5	17.9	16.8	17.3	21.6	19.5	20.3	27.8	26.1	26.8
19	17.2	16.0	16.6	17.8	17.4	17.6	22.3	20.0	21.0	27.6	26.2	26.6
20	17.2	16.3	16.7	18.7	17.3	17.7	22.8	21.2	21.9	28.3	26.4	27.3
21	16.6	14.8	15.9	18.1	16.5	17.0	22.7	21.4	22.0	28.4	27.0	27.7
22	14.8	13.3	14.0	19.1	17.3	18.2	23.2	21.5	22.3	28.9	27.4	27.9
23	16.1	13.8	15.0	19.8	17.9	18.8	25.0	22.9	23.8	29.4	27.8	28.6
24	16.3	14.4	15.4	21.0	18.5	19.7	26.5	24.5	25.1	29.0	27.6	28.3
25	17.2	15.3	16.2	20.5	19.3	19.8	27.1	25.6	26.2	29.3	28.2	28.8
26	18.5	17.1	17.8	19.6	17.8	18.7	26.5	25.6	26.0	28.8	27.9	28.3
27	19.8	18.4	19.0	19.0	17.3	18.0	25.7	25.3	25.5	28.9	27.6	28.2
28	19.4	17.2	18.3	18.0	17.2	17.7	27.1	25.4	25.7	28.6	27.4	27.9
29	---	---	---	18.9	17.8	18.5	28.0	26.3	27.0	27.9	27.1	27.5
30	---	---	---	18.7	18.0	18.3	26.7	24.1	25.2	28.8	27.1	27.8
31	---	---	---	18.6	18.1	18.3	---	---	---	28.6	26.7	27.6
MONTH	21.8	13.3	17.5	21.0	13.9	18.1	28.0	18.2	23.2	29.4	23.2	26.3

CALCASIEU RIVER BASIN
08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA--Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.3	27.3	28.1	30.5	28.8	29.6	32.9	30.7	31.5	30.5	29.1	29.6
2	29.8	27.9	28.7	30.6	29.0	29.8	32.2	30.6	31.1	31.3	28.4	29.7
3	30.3	28.2	29.1	30.4	29.7	30.0	32.3	30.4	31.1	30.5	29.2	29.9
4	30.4	29.0	29.6	30.2	29.7	30.0	32.1	29.9	30.9	30.0	29.2	29.7
5	30.8	29.3	30.0	30.4	29.9	30.2	32.7	30.4	31.6	31.0	29.1	29.9
6	31.3	29.7	30.4	30.3	29.9	30.1	32.3	30.8	31.7	31.5	30.0	30.7
7	30.6	29.1	29.7	30.7	29.7	29.9	32.6	31.6	32.0	31.6	30.5	31.0
8	29.7	28.5	29.2	31.2	29.2	29.9	32.5	31.1	31.7	31.2	30.3	30.7
9	29.9	28.7	29.3	30.6	29.2	29.7	32.1	31.1	31.5	30.6	29.3	30.0
10	29.6	28.4	28.9	30.3	28.6	29.2	32.2	30.6	31.4	30.6	29.0	29.6
11	28.6	27.7	28.1	30.8	29.5	30.1	32.0	30.8	31.3	30.1	29.0	29.5
12	29.5	27.9	28.5	30.5	29.3	30.0	31.6	30.5	31.1	30.6	28.8	29.6
13	30.0	28.6	29.3	30.0	28.4	29.1	31.8	30.2	30.9	31.0	29.3	30.1
14	30.4	29.1	29.7	30.4	28.7	29.5	32.5	30.0	31.1	30.3	28.3	29.5
15	30.1	28.9	29.4	30.7	29.0	29.8	31.8	30.0	31.0	29.3	26.8	28.0
16	30.1	28.9	29.4	30.7	29.6	30.0	31.5	28.9	30.1	28.1	25.4	26.8
17	30.1	28.1	29.0	30.5	28.9	29.6	31.9	30.6	31.2	27.7	25.7	26.7
18	29.3	27.0	28.0	30.5	28.7	29.6	32.6	30.6	31.5	27.6	25.1	26.4
19	29.2	27.4	28.2	30.4	29.2	29.8	32.6	30.9	31.9	28.2	25.8	26.8
20	29.5	28.4	29.0	30.0	29.1	29.5	32.7	30.6	31.7	28.3	26.4	27.3
21	29.1	28.1	28.6	30.3	28.6	29.4	31.9	31.1	31.6	28.2	26.3	27.6
22	29.5	28.1	28.7	31.8	29.2	30.1	32.0	30.6	31.2	26.5	24.7	25.7
23	29.5	28.6	29.0	31.8	29.9	30.7	32.2	30.9	31.4	25.5	24.0	24.8
24	30.2	28.7	29.4	31.1	29.9	30.6	32.6	30.8	31.6	25.4	23.5	24.6
25	29.8	28.2	28.9	31.7	29.8	30.5	32.8	31.0	31.8	25.5	24.1	24.8
26	29.2	28.0	28.5	31.9	29.9	30.9	32.8	30.9	31.8	26.4	24.8	25.5
27	30.0	28.4	29.2	32.2	30.5	31.2	32.2	30.7	31.5	27.5	25.7	26.5
28	30.2	28.9	29.5	32.0	30.7	31.3	31.8	29.8	30.7	27.3	26.7	27.0
29	30.5	29.3	29.8	32.2	30.6	31.4	32.2	30.8	31.6	26.8	24.5	25.8
30	30.3	28.9	29.6	32.5	30.6	31.4	32.3	30.6	31.4	25.5	23.3	24.3
31	---	---	---	32.2	30.8	31.4	31.5	30.4	30.9	---	---	---
MONTH	31.3	27.0	29.1	32.5	28.4	30.1	32.9	28.9	31.3	31.6	23.3	27.9

CALCASIEU RIVER BASIN
08017118 CALCASIEU RIVER AT CAMERON, LA

LOCATION.--Lat 29°48'55", long 93°21'01", T. 14 S., R. 10 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 current year.

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, -3.00 ft, Dec. 29, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2.72 ft, Oct. 5; minimum, -1.52 ft, Feb. 12.

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
	OCTOBER				NOVEMBER				DECEMBER				JANUARY		
1	1.81	.49	1.38		2.25	1.63	2.02		--	--	--		2.01	.00	1.18
2	1.82	.63	1.51		2.16	.86	1.45		1.40	-.44	.69		2.59	-.61	.73
3	2.13	.68	1.61		1.79	.22	1.20		1.67	-.18	1.03		.57	-1.59	-.29
4	2.34	1.21	1.78		1.83	.16	1.18		1.81	-.23	1.05		.53	-1.66	-.11
5	2.72	1.46	2.20		1.54	-.49	.87		1.49	-.47	.81		1.31	-.35	.58
6	2.55	1.36	1.96		1.50	-.34	.84		1.70	.09	1.13		1.65	.56	1.16
7	2.19	.58	1.49		1.58	.00	.98		1.79	-.14	1.11		1.39	.37	.90
8	2.00	.29	1.38		1.58	-.20	.88		1.58	-.39	.46		1.54	.71	1.13
9	2.03	.55	1.45		1.81	.31	1.12		1.54	.40	.80		1.37	-.37	.31
10	1.89	.38	1.34		1.89	-.23	1.14		1.54	-.24	1.04		1.05	-.01	.65
11	1.99	.63	1.44		1.50	.36	.74		1.33	.34	.98		1.30	.29	.87
12	1.99	.19	1.14		1.66	.40	1.22		1.30	-.15	.34		1.46	.05	.86
13	1.48	.27	1.08		1.97	1.23	1.60		.43	-.85	-.12		1.46	.26	.95
14	1.64	.55	1.22		1.96	.80	1.38		.79	-.60	.35		1.14	-.22	.66
15	1.80	1.09	1.50		1.47	.14	.87		.73	-.38	.39		1.39	-.39	.71
16	2.09	1.59	1.85		1.18	.20	.85		.74	-.54	.35		1.57	-.13	.99
17	2.51	2.01	2.27		1.15	-.16	.72		.75	-1.25	.04		1.68	.16	1.08
18	2.58	1.68	2.28		1.52	.15	1.01		1.82	-.33	.94		1.40	-.26	.76
19	2.32	1.35	1.91		1.59	.18	1.02		1.83	.02	.98		1.27	-.31	.75
20	2.06	.93	1.64		1.59	-.13	.89		1.50	-.28	.80		1.31	.01	.89
21	2.01	.66	1.36		1.70	-.04	.96		1.58	-.23	.90		1.91	.51	1.34
22	1.57	.20	1.03		1.76	.26	1.04		1.10	-.86	.23		2.30	.46	1.69
23	2.11	.83	1.56		1.40	.00	.84		1.26	-.50	.69		.86	-.50	.15
24	2.22	1.02	1.77		1.43	-.13	.69		.97	-.78	.34		1.13	-.17	.59
25	2.26	1.01	1.79		1.43	.27	.94		.91	.01	.52		1.11	-.24	.61
26	2.28	1.03	1.74		1.27	.02	.70		1.10	-.08	.57		1.04	-.29	.64
27	2.20	.82	1.66		1.02	.10	.61		1.33	-.18	.89		1.35	-.32	.73
28	2.01	.81	1.52		---	---	---		1.30	.28	.82		2.06	-.08	1.11
29	1.97	.95	1.53		---	---	---		1.08	-.22	.62		2.06	.24	1.35
30	2.01	1.00	1.63		---	---	---		1.65	-.86	.60		---	---	---
31	2.10	1.25	1.80		---	---	---		1.65	-.29	.92		---	---	---
MONTH	2.72	.19	1.61		---	---	---		---	---	---		---	---	---

CALCASIEU RIVER BASIN

08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

ELEVATION, IN FEET NAVD 1988, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	1.50	-.20	.80	1.69	.59	1.28	1.94	.62	1.50
2	---	---	---	1.70	.33	1.17	1.65	.98	1.36	1.94	.49	1.49
3	1.69	.62	1.23	.96	-.51	.22	2.18	.98	1.73	1.70	.59	1.36
4	1.45	-.25	1.04	1.87	.44	1.25	1.93	1.12	1.70	2.51	.80	1.89
5	1.59	.85	1.29	1.93	.77	1.41	2.10	.54	1.56	2.48	.99	1.97
6	1.61	.66	1.25	1.17	-.09	.86	1.66	.50	1.23	1.85	.72	1.48
7	---	---	---	1.50	-.15	.84	1.46	.46	1.09	1.76	.40	1.26
8	---	---	---	2.20	1.35	1.95	1.51	.61	1.13	1.84	.71	1.38
9	---	---	---	1.61	.77	1.20	1.60	.65	1.14	2.05	1.14	1.72
10	1.50	.27	1.05	1.89	.35	1.28	1.75	.68	1.32	2.05	1.13	1.74
11	1.67	.33	1.12	1.87	.76	1.44	1.63	.57	1.20	2.33	1.14	1.81
12	.34	-1.52	-.34	2.22	.76	1.61	1.46	.42	1.03	2.17	.64	1.46
13	.88	-.96	.18	2.05	.17	1.30	1.89	.40	1.26	1.74	.16	1.17
14	1.49	-.62	.63	.17	-1.37	-.74	2.16	1.15	1.78	1.67	-.03	1.05
15	1.60	-.09	.91	.82	-1.46	-.08	2.05	-.95	.60	1.86	.14	1.28
16	1.62	.17	1.02	1.30	-.11	.72	1.06	-.89	.31	1.98	.45	1.52
17	1.50	-.19	.97	1.56	.26	.92	1.09	-1.02	.30	2.10	.41	1.57
18	1.55	.21	1.06	1.51	.13	.94	.81	-.90	.33	2.23	-.16	1.21
19	1.02	.00	.67	1.57	.34	1.08	.71	-.90	.22	1.75	-.21	1.09
20	1.96	.02	1.21	1.48	-.65	.79	.83	-.90	.34	1.54	.09	1.10
21	1.22	-.46	.50	.84	-.65	.37	1.35	-.33	.84	1.69	.56	1.13
22	1.76	-.64	.98	1.29	-.37	.78	1.82	.56	1.31	1.39	.41	.95
23	1.56	.58	1.12	1.35	.16	.91	1.55	.49	1.15	1.23	.34	.82
24	1.34	-.39	.62	1.31	-.05	.81	1.30	.14	.89	.97	.17	.60
25	1.33	-.12	.83	1.39	-.11	.69	1.41	.39	1.03	.98	.06	.67
26	1.61	-.16	.91	1.26	-.34	.73	1.75	.54	1.34	1.05	-.06	.63
27	1.61	.17	1.02	1.89	-.07	1.02	1.94	.69	1.33	.93	-.17	.59
28	1.26	-.64	.51	2.17	.71	1.49	1.48	.40	1.11	1.12	-.41	.62
29	---	---	---	1.69	.22	1.06	1.58	.27	1.07	1.20	-.05	.79
30	---	---	---	1.62	.52	1.13	1.62	.59	1.27	1.31	-.30	.84
31	---	---	---	1.56	.67	1.14	---	---	---	1.45	.03	.91
MONTH	---	---	---	2.22	-1.46	.94	2.18	-1.02	1.08	2.51	-.41	1.21
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.53	.10	1.08	1.65	.23	1.19	.90	-.57	.59	1.81	.78	1.39
2	1.80	.33	1.23	1.66	.23	1.28	.94	.12	.63	1.90	.54	1.41
3	1.65	.32	1.14	1.68	.68	1.33	1.01	.26	.69	1.75	.33	1.26
4	1.52	.35	1.08	1.59	.55	1.22	.94	.00	.59	1.83	.10	1.20
5	1.66	.44	1.20	1.56	.56	1.06	1.22	.12	.82	1.42	-.08	.95
6	1.45	.44	1.02	1.18	.50	.86	1.30	-.11	.82	1.37	-.25	.85
7	1.47	.46	1.05	1.33	.34	.98	1.38	-.18	.85	1.24	-.27	.80
8	1.68	.95	1.29	1.51	.13	1.08	1.49	-.54	.79	1.45	-.23	.92
9	1.78	.77	1.36	1.85	.04	1.18	1.15	-.63	.60	1.19	-.17	.71
10	1.72	.24	1.27	1.84	.01	1.22	1.05	-.73	.48	1.64	.27	1.15
11	1.65	-.22	1.01	1.75	-.22	1.12	1.21	-.39	.63	1.43	.66	1.18
12	1.59	-.36	.97	1.52	-.54	.94	1.13	-.35	.64	1.57	.76	1.24
13	1.72	-.46	.92	1.63	-.42	.94	.85	-.38	.45	1.68	.73	1.26
14	1.50	-.72	.84	1.42	-.19	.95	.72	-.38	.30	1.68	.72	1.27
15	1.41	-.55	.83	1.41	-.09	.98	1.09	-.06	.63	1.56	.69	1.23
16	1.41	-.55	.87	1.52	.15	1.09	1.22	.56	.92	1.48	.63	1.16
17	1.42	-.36	.86	1.49	.35	1.11	1.19	.12	.76	1.49	.30	.98
18	1.51	-.26	1.04	1.60	.64	1.19	1.05	.17	.71	1.42	.52	1.09
19	1.79	.63	1.31	1.62	.99	1.27	1.04	.00	.66	1.68	.67	1.29
20	1.96	.89	1.54	1.75	.67	1.30	1.10	.02	.73	1.85	1.12	1.52
21	2.26	1.44	1.86	1.54	.42	1.11	1.20	.09	.81	2.17	.66	1.60
22	1.83	1.01	1.49	1.32	.09	.88	1.41	.11	.93	2.02	.95	1.64
23	1.87	.73	1.44	1.11	-.20	.60	1.63	.00	1.03	1.97	.80	1.56
24	1.84	.68	1.42	1.18	-.34	.59	1.43	.12	1.00	1.78	.54	1.28
25	2.09	.48	1.46	1.20	-.28	.71	1.42	-.13	.91	2.05	.98	1.55
26	2.00	.39	1.41	1.10	-.34	.62	1.05	-.37	.60	2.10	1.18	1.71
27	1.86	.34	1.33	1.04	-.58	.53	1.01	-.53	.50	2.08	.94	1.68
28	1.72	.04	1.08	.95	-.54	.55	1.11	-.11	.69	2.41	1.08	1.96
29	1.59	-.22	.91	1.07	-.35	.60	1.19	.22	.82	2.43	.22	1.37
30	1.49	.01	1.01	1.05	-.17	.65	1.52	.23	.88	2.05	.75	1.45
31	---	---	---	1.05	-.17	.69	1.43	.48	.98	---	---	---
MONTH	2.26	-.72	1.18	1.85	-.58	.96	1.63	-.73	.72	2.43	-.27	1.29

CALCASIEU RIVER BASIN

08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

SPECIFIC CONDUCTANCE, mS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	---	---	---	35900	19900	29200	23500	14500	19500	39300	21400	33600
2	---	---	---	35900	26000	32500	22100	14000	19800	40200	26400	34500
3	38700	18500	27200	33400	18400	24100	22800	18300	21700	40700	25500	35900
4	33900	15400	21700	35900	19400	31800	18800	15800	17400	35800	29500	31700
5	32900	18000	23500	34700	29600	33700	18900	14600	16300	31500	27300	28900
6	24700	15800	17800	29600	19200	23900	16500	13700	14800	29000	25800	27200
7	---	---	---	31500	20600	25600	21700	14600	16700	33100	26200	29800
8	---	---	---	32500	29400	30900	23200	11500	17000	33200	26200	29800
9	---	---	---	30800	22300	25900	15300	8810	11200	34600	29600	32400
10	31400	8930	17500	23700	19500	21200	26100	6140	12900	33100	29400	32500
11	31400	10900	18200	22700	17000	19800	16800	8110	10700	32100	28600	30300
12	29700	9620	16200	21700	17800	19500	20100	8960	12600	30300	25400	28200
13	38400	10400	22100	21300	18300	19400	26900	11000	17000	28500	24600	26600
14	38400	12900	27200	19700	15200	17500	28600	17400	25000	31300	24400	28000
15	38500	17700	30000	34200	14300	23300	18700	11800	14300	31300	25300	29500
16	39700	19400	31100	34900	23500	31100	38200	11700	20300	29400	25600	28100
17	37400	15000	25500	34600	20500	28200	33100	12000	18000	29700	25500	27800
18	31200	15000	23300	33500	17800	23100	37500	9880	24500	27500	23100	24700
19	32000	11700	19100	32200	17000	22900	40700	14000	29000	25100	23600	24300
20	32500	17500	27500	29600	14900	19300	42800	14300	33000	30000	23600	27000
21	24200	11800	16200	22300	13400	16500	44100	18200	35500	29700	24500	27200
22	37200	9940	26400	36500	11800	26900	44100	23000	37900	28100	24100	26100
23	37200	18700	26700	34000	16500	26900	41400	17200	29800	28700	22900	26000
24	40700	15000	27000	33700	15300	24900	38900	19300	25400	30900	21200	25500
25	39800	19700	30400	33200	14500	20300	38600	19600	27900	35800	25000	30600
26	34700	22500	29700	34500	11800	22600	36300	27500	32700	38500	25900	31000
27	31900	26100	29000	34600	13500	25600	32500	22500	27400	41200	25800	31300
28	31000	20700	26900	35900	20700	30000	29100	21300	24300	44000	26100	34200
29	---	---	---	31800	14300	20600	33700	21200	25300	43700	26600	38500
30	---	---	---	22100	12500	16600	38300	21500	29500	44200	29700	39200
31	---	---	---	21600	13400	16500	---	---	---	43900	29500	37900
MONTH	---	---	---	36500	11800	24200	44100	6140	22200	44200	21200	30300
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	43700	30200	39600	30700	19700	26300	38400	22000	29100	51300	37000	45800
2	42700	31800	38700	28800	19200	25900	36000	21300	26800	49600	35200	43400
3	37200	31000	35200	23800	20600	22200	36600	20500	25900	49400	33800	42100
4	34300	31900	32600	23200	20000	21600	36700	18100	24500	50000	32000	43000
5	33300	28000	30000	21100	19400	20300	40900	17800	31600	46700	35000	41400
6	30700	26400	28800	21300	19100	20200	42100	18900	30700	44200	34900	40200
7	30200	26000	28700	24300	20700	21600	42100	21400	33700	45000	34100	41200
8	30300	23800	28000	22700	20200	21600	42200	23800	35700	45200	34100	41400
9	29500	22500	26500	22700	20800	22000	42300	27300	36700	42100	35200	38800
10	29400	20200	24500	22100	20000	21400	45300	28700	38900	49200	34300	43000
11	27800	19000	23200	22300	20200	21600	47400	29100	42700	48100	38100	43400
12	27400	22900	25900	27700	18700	23800	47300	33900	43800	47900	39000	44000
13	27200	23400	25600	30300	18500	25300	47700	32700	40300	48000	38100	43000
14	37100	26400	33400	34000	18600	28500	45900	31800	37400	48000	36300	40000
15	38800	27900	35000	33800	19900	28300	49600	31600	38900	46300	35700	39700
16	38500	30000	35100	31200	21500	27500	48300	33400	39600	47000	37000	40200
17	36400	29300	32100	29200	21600	24500	46400	32300	38500	47100	35500	40600
18	30800	26000	28400	29500	20100	23700	43400	31500	38100	49300	37700	43900
19	31000	26500	29100	29300	21300	23800	47000	31600	38700	49200	39200	44900
20	31200	28900	30300	27500	20300	23500	49900	34200	41900	49400	41000	46100
21	31200	29800	30500	23700	18100	21600	50300	34300	42800	49800	40400	46400
22	30800	27300	29800	24200	16900	20000	51200	35200	45700	48600	40400	46000
23	28700	25100	26500	25500	15700	19000	50800	37500	47000	48000	40800	45400
24	27700	22800	24100	31600	15700	23800	50200	38300	45900	47400	40500	43700
25	25900	20400	21900	34500	16400	27100	50200	39100	45700	47700	41000	45700
26	24000	19900	21500	34600	17700	27100	49500	38400	43500	47100	43900	45500
27	26600	21100	24100	36100	17800	27100	48900	37100	43100	46200	40200	43800
28	25100	19800	22800	38200	18000	30100	51900	34900	44300	45300	38400	43000
29	27200	18900	23500	39200	19400	31500	50600	37400	43500	43400	38700	40600
30	29600	19300	26000	40700	20900	31800	51700	35500	41800	41500	38300	39900
31	---	---	---	41000	21500	33400	51500	37600	43600	---	---	---
MONTH	43700	18900	28700	41000	15700	24700	51900	17800	38700	51300	32000	42900

CALCASIEU RIVER BASIN

08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	24.3	23.8	24.0	---	---	---	13.9	12.9	13.3
2	---	---	---	24.1	23.1	23.4	21.7	21.1	21.5	14.3	12.4	13.8
3	---	---	---	23.3	21.6	22.5	21.9	21.2	21.7	12.9	10.1	11.3
4	---	---	---	23.0	20.7	21.9	22.3	21.4	21.9	12.8	6.9	9.4
5	---	---	---	21.6	19.2	20.2	22.7	21.8	22.3	12.7	7.6	10.0
6	---	---	---	20.2	16.9	18.6	23.0	22.3	22.7	10.9	9.6	10.2
7	---	---	---	20.1	15.8	17.9	23.6	22.4	23.0	12.5	10.8	11.7
8	---	---	---	20.1	17.6	18.8	23.1	20.5	21.6	14.0	12.3	12.9
9	---	---	---	20.9	19.9	20.3	21.3	17.0	18.9	14.1	12.0	12.9
10	---	---	---	21.0	20.2	20.7	19.9	14.9	17.3	12.6	10.3	11.3
11	---	---	---	20.3	17.3	18.1	16.5	13.1	14.3	12.0	10.4	11.3
12	---	---	---	18.8	16.3	17.6	16.3	12.3	13.1	12.8	11.6	12.1
13	---	---	---	18.5	16.6	17.8	15.1	11.4	12.5	13.9	12.2	13.3
14	---	---	---	18.4	17.2	17.6	16.4	11.2	13.6	14.2	12.9	13.7
15	---	---	---	17.8	17.1	17.5	15.8	11.4	13.1	13.3	11.8	12.6
16	---	---	---	18.3	17.3	17.5	16.1	12.0	13.4	13.9	11.8	12.9
17	---	---	---	19.0	17.4	17.9	16.6	12.6	14.2	14.8	13.9	14.3
18	---	---	---	19.1	17.8	18.5	16.1	12.7	14.8	15.9	14.8	15.4
19	---	---	---	19.7	18.5	19.1	16.2	14.9	15.6	16.3	15.1	15.7
20	---	---	---	20.4	19.1	19.8	17.4	15.4	16.2	17.4	15.7	16.4
21	---	---	---	19.5	17.3	18.2	18.4	16.9	17.5	18.1	16.2	17.0
22	23.5	20.7	21.8	18.4	15.9	17.3	18.2	14.1	16.0	18.2	17.0	17.6
23	22.8	18.1	20.6	18.9	16.7	17.8	16.2	10.6	12.9	18.1	15.9	16.7
24	22.8	18.3	20.7	19.3	17.9	18.6	13.8	8.2	9.2	16.3	15.4	15.9
25	22.6	19.6	21.1	20.0	18.8	19.4	11.9	6.9	8.3	16.9	15.4	16.0
26	22.5	20.5	21.6	20.8	19.6	20.2	11.9	6.6	8.4	16.9	15.9	16.4
27	22.7	21.5	22.3	21.7	20.1	20.9	11.4	7.4	9.7	17.1	16.7	16.9
28	23.5	22.2	22.8	---	---	---	11.4	10.0	10.7	18.0	17.1	17.6
29	24.4	22.9	23.5	---	---	---	12.7	10.8	11.5	18.7	17.8	18.2
30	24.9	23.4	24.0	---	---	---	13.0	10.7	12.0	---	---	---
31	24.5	23.5	23.8	---	---	---	13.2	11.2	12.3	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	18.3	17.0	17.8	20.3	18.4	19.1	25.0	23.9	24.2
2	---	---	---	18.9	18.0	18.4	20.8	19.8	20.4	24.6	23.5	23.9
3	17.3	16.7	17.0	18.7	16.8	17.7	21.3	20.4	21.0	24.1	23.4	23.8
4	17.9	17.2	17.5	17.6	16.8	17.3	21.8	21.1	21.4	24.0	23.5	23.8
5	17.5	17.0	17.3	18.3	17.1	17.6	22.7	21.6	22.1	24.7	23.8	24.2
6	18.3	17.4	17.9	20.4	18.3	19.1	23.3	22.5	22.8	25.5	24.3	24.8
7	---	---	---	19.7	17.7	18.5	24.2	22.9	23.3	25.4	23.9	24.6
8	---	---	---	17.8	17.5	17.6	23.9	22.6	23.3	25.5	24.2	24.9
9	---	---	---	21.1	17.8	19.1	24.1	22.9	23.4	25.6	24.6	25.1
10	20.5	19.7	20.0	20.6	19.3	19.8	24.6	23.0	23.7	25.5	25.0	25.2
11	21.1	19.7	20.4	20.1	19.6	19.9	25.6	23.7	24.4	25.4	24.3	25.0
12	20.1	17.0	17.9	20.0	19.6	19.8	24.9	23.7	24.3	25.2	23.8	24.4
13	18.1	13.8	15.9	20.0	17.4	19.4	24.7	23.3	24.1	26.5	23.6	24.5
14	16.9	13.2	15.4	17.4	13.9	15.5	24.7	24.0	24.4	27.2	25.5	26.0
15	16.9	14.0	15.6	16.8	13.3	15.1	24.0	21.3	22.9	27.4	26.2	26.7
16	17.1	15.5	16.4	17.2	14.6	16.2	22.3	19.4	20.9	27.6	26.8	27.2
17	17.1	16.3	16.5	17.3	16.0	16.8	21.0	18.8	19.5	27.7	26.9	27.3
18	16.5	15.7	16.2	18.8	17.0	17.6	21.5	19.0	20.5	27.6	26.5	27.1
19	16.5	15.5	16.1	18.9	18.1	18.6	22.0	20.0	21.1	27.7	26.5	26.9
20	16.7	16.0	16.4	19.3	18.6	18.9	22.5	21.0	21.8	27.7	26.6	27.3
21	16.1	14.1	15.5	19.2	18.1	18.5	22.5	21.5	22.0	28.6	27.0	27.6
22	15.4	13.0	14.5	19.4	18.3	18.7	22.8	21.4	22.2	29.0	27.2	28.0
23	15.8	13.4	14.6	20.3	18.9	19.4	24.7	22.6	23.3	28.7	27.6	28.1
24	16.0	14.1	15.1	20.9	19.6	20.1	25.5	23.9	24.5	28.9	27.4	28.0
25	16.4	15.0	15.8	21.2	20.4	20.7	25.4	24.6	25.0	28.9	27.5	28.1
26	17.0	16.4	16.8	20.5	18.9	19.6	25.5	24.9	25.2	28.8	27.4	28.2
27	18.1	17.0	17.6	19.8	17.1	18.4	26.2	24.5	25.1	29.5	27.3	28.4
28	18.2	17.5	17.8	18.8	17.4	18.0	27.4	25.4	26.2	29.1	27.0	27.9
29	---	---	---	18.0	17.5	17.8	28.5	25.6	27.1	27.7	27.1	27.4
30	---	---	---	18.2	17.7	17.9	27.7	24.7	26.0	28.4	27.0	27.4
31	---	---	---	18.5	17.8	18.2	---	---	---	29.3	27.0	27.9
MONTH	---	---	---	21.2	13.3	18.3	28.5	18.4	23.0	29.5	23.4	26.3

CALCASIEU RIVER BASIN

08017118 CALCASIEU RIVER AT CAMERON, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.4	27.9	28.3	30.3	29.1	29.6	33.1	30.7	31.6	31.0	29.1	29.8
2	30.2	28.5	29.1	30.2	29.4	29.7	32.0	30.9	31.4	30.7	28.7	29.6
3	30.5	28.9	29.4	30.8	29.5	30.0	33.2	30.5	31.5	29.9	29.1	29.6
4	30.5	29.2	29.8	30.8	29.7	30.2	32.9	31.1	31.8	29.7	29.2	29.4
5	30.5	29.5	29.9	30.7	29.7	30.3	32.7	30.8	31.6	30.9	29.4	30.0
6	30.9	29.5	30.1	30.5	29.5	30.0	32.6	30.9	31.8	31.7	29.9	30.6
7	30.6	29.6	30.1	31.3	29.5	30.3	32.4	31.3	31.7	31.5	30.1	30.7
8	30.0	29.3	29.8	30.9	30.4	30.6	32.6	31.3	31.8	31.3	30.2	30.6
9	30.2	29.4	29.8	30.6	29.2	29.9	31.9	31.1	31.4	30.7	29.7	30.1
10	29.9	28.8	29.4	30.7	29.2	29.8	31.1	30.5	30.8	29.9	29.2	29.7
11	29.3	28.6	29.1	31.1	29.8	30.3	31.0	30.2	30.5	29.6	29.0	29.3
12	29.6	28.6	29.0	30.4	28.5	29.7	31.1	30.5	30.7	29.6	28.8	29.3
13	30.0	28.9	29.1	29.4	28.5	29.0	31.4	30.3	30.8	29.9	29.0	29.4
14	30.2	28.9	29.4	30.5	28.2	29.4	32.2	30.5	31.0	29.9	27.9	28.5
15	30.2	29.0	29.5	30.8	29.5	30.0	31.0	29.9	30.4	28.8	26.2	27.1
16	30.6	29.0	29.6	31.3	30.1	30.6	30.4	28.6	29.7	27.6	24.9	26.1
17	30.1	28.9	29.5	32.1	30.3	31.1	31.3	29.7	30.4	27.4	24.9	26.0
18	29.3	27.8	28.6	31.4	30.3	30.8	32.3	30.1	31.3	27.0	25.4	26.2
19	29.8	27.4	28.7	30.9	30.0	30.6	32.4	30.6	31.5	27.4	26.4	27.0
20	29.5	28.4	28.8	30.6	29.7	30.1	32.2	30.8	31.5	28.8	26.7	27.6
21	28.9	27.9	28.6	31.0	29.6	30.2	32.2	30.8	31.5	28.2	27.0	27.7
22	28.8	27.7	28.2	32.7	29.8	31.1	32.4	31.0	31.6	27.3	24.6	26.4
23	29.4	28.5	28.9	32.7	30.7	31.8	32.3	31.0	31.5	25.7	24.2	25.1
24	30.2	29.1	29.5	32.0	30.1	30.7	33.1	31.2	31.8	25.2	24.1	24.6
25	29.9	28.4	29.2	31.7	29.6	30.3	32.4	31.3	31.9	26.0	24.5	25.4
26	29.4	28.4	28.8	31.8	29.9	30.7	32.3	31.3	31.7	26.2	25.1	25.6
27	30.0	29.0	29.4	32.1	30.0	30.9	32.2	31.2	31.7	26.7	25.5	26.0
28	30.2	29.2	29.6	31.7	30.0	30.7	31.4	30.8	31.1	26.9	26.7	26.8
29	30.4	29.4	29.8	31.5	30.1	30.8	32.2	30.9	31.4	26.8	24.7	25.8
30	30.4	29.2	29.7	31.6	30.2	31.1	31.7	30.9	31.3	25.0	23.1	24.4
31	---	---	---	32.0	30.3	31.1	31.2	30.6	30.9	---	---	---
MONTH	30.9	27.4	29.3	32.7	28.2	30.4	33.2	28.6	31.3	31.7	23.1	27.8

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 32°19'38", long 94°21'12", Panola County, Hydrologic Unit 12010002, on downstream side of highway embankment near right end of downstream bridge on U.S. Highway 59, 0.9 mi 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.--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 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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	1560	3160	e14200	14100	1420	2650	1230	6970	2120	213	146
2	199	1980	2650	e13400	13400	1320	2400	1080	6990	1830	194	150
3	212	2280	1890	e12500	12800	1340	2380	996	6940	1430	186	146
4	484	2100	1810	e11800	11800	1420	4560	936	6870	1100	193	142
5	627	2070	1820	e11300	10500	1340	11000	1440	6760	904	190	222
6	1380	2230	1870	10900	9300	1580	12200	2910	6590	791	180	207
7	6180	2470	2380	9980	8510	1740	11000	2870	6430	731	164	200
8	8100	2740	3970	8970	8090	1520	9790	2350	6340	877	147	201
9	8380	2970	5200	8020	8080	1470	8440	1960	6300	745	140	205
10	8250	2970	6030	7120	8120	1400	7200	1660	6300	739	137	215
11	7760	2920	8700	6100	8160	1380	6450	1750	6350	986	137	183
12	6900	2810	10500	4820	8250	2200	6040	1570	6460	1810	145	155
13	6020	4310	10500	3500	8300	5290	5860	1290	6620	1780	127	147
14	5490	7380	10100	2780	8270	7950	5950	1230	6750	1170	122	136
15	5260	8420	9500	e2530	8080	8330	6320	1390	6710	1010	131	132
16	5250	8400	9050	e2250	7700	7140	6300	1440	6480	860	128	130
17	5260	8140	8730	e2090	6890	6030	5670	1330	5930	727	112	123
18	5050	7510	8710	e1950	5500	5700	4250	1530	4580	641	105	119
19	4120	6840	9140	e1780	4000	5820	2890	2330	2940	587	103	131
20	2670	6470	9790	1500	3080	6120	2350	2250	2070	493	107	132
21	2440	6170	10300	1450	2560	6490	2080	1810	1700	493	119	127
22	2860	5990	10900	1560	2260	6730	1860	1860	1500	432	110	111
23	2930	5950	11500	e1800	2060	7010	1580	2320	1490	394	100	107
24	2980	6000	11800	e1860	1940	7070	1280	2980	1450	351	95	104
25	2930	6040	e11500	1820	1830	7370	1080	3580	2360	359	106	107
26	2800	6020	e11600	1730	1710	7740	982	4110	4850	352	117	113
27	2620	5910	e11700	e1500	1610	7570	1090	4620	5620	324	117	118
28	2310	5600	e11900	e1210	1520	7000	1290	5110	5110	297	122	134
29	1990	4890	e12300	e1220	---	5730	1350	5470	3490	262	164	134
30	1760	3640	e12900	e6460	---	4160	1340	5790	2520	249	160	122
31	1620	---	e13400	e12400	---	3110	---	6340	---	239	139	---
TOTAL	115055	142780	255300	170500	188420	140490	137632	77532	151470	25083	4310	4399
MEAN	3711	4759	8235	5500	6729	4532	4588	2501	5049	809	139	147
MAX	8380	8420	13400	14200	14100	8330	12200	6340	6990	2120	213	222
MIN	199	1560	1810	1210	1520	1320	982	936	1450	239	95	104
AC-FT	228200	283200	506400	338200	373700	278700	273000	153800	300400	49750	8550	8730

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1999z, BY WATER YEAR (WY)

MEAN	683	1693	3309	3369	4099	4573	3985	4745	2803	937	320	442
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 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1961 - 1999z	
ANNUAL TOTAL	1372931		1412971			
ANNUAL MEAN	3761		3871		2572	
HIGHEST ANNUAL MEAN					4857	1992
LOWEST ANNUAL MEAN					311	1964
HIGHEST DAILY MEAN	13400	Dec 31	14200	Jan 1	48100	May 2 1966
LOWEST DAILY MEAN	20	Aug 2	95	Aug 24	2.4	Aug 11 1964
ANNUAL SEVEN-DAY MINIMUM	30	Jul 30	106	Aug 18	3.8	Aug 7 1964
INSTANTANEOUS PEAK FLOW			14700	Jan 1	49400	May 2 1966
INSTANTANEOUS PEAK STAGE			27.48	Jan 1	38.87	Mar 30 1989
ANNUAL RUNOFF (AC-FT)	2723000		2803000		1863000	
10 PERCENT EXCEEDS	10500		9000		7610	
50 PERCENT EXCEEDS	2070		2360		896	
90 PERCENT EXCEEDS	53		140		91	

e Estimated

z Period of regulated streamflow.

SABINE RIVER MAIN STEM

08022500 SABINE RIVER AT LOGANSPOUT, LA

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, Louisiana-Shelby County, Texas State line at Logansport, Hydrologic Unit 12010004, 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.--Jul 1903 to Feb 1968 (daily discharge), Mar 1968 to current year (gage height). Water-quality records.--Specific conductance: 1939 to 1945. Water temperature: 1939 to 1945.

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 sea level. Jul 1, 1903, to Sep 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. Satellite telemeter at station.

REMARKS.--Records good. Station discontinued as a daily streamflow station on Mar 1, 1968, due to backwater from storage in

Toledo Bend Reservoir. Since water year 1960, at least 10% of contributing drainage area has been regulated by Lake Tawakoni (capacity 936,200 acre-ft) and three additional upstream reservoirs. 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 9.70 mi² in the Mill Creek drainage basin. Numerous diversions above station for oil field operations, municipal and industrial uses.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--57 years (water years 1904-60), 3,325 ft³/s (2,407,000 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1904-60).--Maximum discharge, 92,000 ft³/s Apr 8, 1945 (gage height, 44.07 ft, from floodmark); minimum, 16 ft³/s Sep 26-28, Oct 3, 4, 1939.

AVERAGE DISCHARGE FOR PERIOD AFTER REGULATION.--7 years (water years 1961-67), 2,252 ft³/s (1,632,00 acre-ft/yr).

EXTREMES FOR PERIOD AFTER REGULATION (WATER YEARS, 1961-67).--Maximum gage height, 34.78 ft Apr 16, 1991; minimum since initial filling of Toledo Bend Reservoir in Jun 1968, 16.85 ft Nov 9, 1987. Maximum discharge, 46,800 ft³/s May 6, 1966 (gage height, 38.46 ft); minimum, 25 ft³/s Aug 13, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of 39.4 ft at present site and datum. Stage determined from high-water mark.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 33.07 ft, Jan 31; minimum gage height, 17.31 ft, Oct 1.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.35	18.98	21.62	26.10	32.33	22.72	23.30	22.85	23.50	23.90	22.35	20.12
2	17.60	19.01	21.41	27.64	31.53	22.07	23.00	22.91	23.43	23.71	22.35	20.20
3	17.53	19.15	21.33	27.38	30.49	22.30	23.08	23.04	23.46	23.78	22.51	20.07
4	17.74	18.99	21.21	27.10	29.43	22.48	23.88	22.77	23.49	23.62	22.28	20.01
5	17.76	19.05	21.13	27.15	28.43	22.11	24.62	22.46	23.55	23.59	22.01	19.93
6	17.80	19.12	20.95	26.99	27.77	21.95	25.52	22.59	23.49	23.43	21.94	20.06
7	18.58	19.21	20.93	26.87	27.13	22.05	26.37	22.65	23.61	23.37	21.99	19.88
8	19.51	19.26	21.66	26.65	26.62	22.06	26.66	22.65	23.47	23.57	22.01	19.87
9	20.02	19.60	22.17	26.31	26.18	22.09	26.52	22.92	23.46	23.44	21.87	19.76
10	20.33	19.40	22.70	26.10	25.89	22.14	26.09	22.97	23.46	23.31	21.83	19.67
11	20.38	19.45	23.80	25.90	25.44	22.17	25.48	22.72	23.45	23.47	21.70	19.67
12	20.36	19.53	25.00	25.64	25.25	22.23	24.87	22.64	23.53	23.46	21.64	19.62
13	20.17	20.62	26.23	25.11	25.16	23.10	24.44	22.52	23.56	23.49	21.50	19.62
14	19.80	22.03	26.87	24.72	25.18	23.79	24.24	22.53	23.55	23.54	21.46	19.51
15	19.47	22.64	26.91	24.55	25.27	e24.20	23.91	22.62	23.64	23.37	21.43	19.44
16	19.52	22.92	26.66	24.38	24.94	e24.55	23.92	22.63	23.62	23.43	21.30	19.40
17	19.42	23.13	26.18	24.14	24.92	e24.80	23.80	22.31	23.57	23.39	21.25	19.42
18	19.32	23.28	25.81	23.98	24.72	24.76	23.65	22.37	23.52	23.38	21.10	19.37
19	19.42	23.25	25.44	23.92	24.50	24.41	23.29	22.39	23.40	23.19	21.03	19.34
20	19.24	23.24	25.19	23.92	24.13	23.93	23.22	22.54	23.24	23.25	20.97	19.31
21	19.06	23.32	24.90	23.81	23.84	23.77	23.26	22.49	23.09	23.10	20.93	19.07
22	19.02	23.17	24.71	24.28	23.94	23.85	22.99	22.33	23.27	23.02	20.92	19.27
23	19.11	22.93	24.72	24.77	23.52	23.64	22.88	22.28	23.18	22.98	20.90	19.15
24	19.08	22.76	e24.80	24.73	23.41	23.47	22.77	22.33	23.06	23.02	20.82	19.18
25	19.10	22.57	24.91	24.40	23.22	23.46	22.90	22.57	23.84	22.91	20.58	19.32
26	19.07	22.40	25.09	24.22	23.25	23.53	22.82	22.46	23.96	22.80	20.51	19.21
27	19.04	22.30	25.23	23.79	22.79	23.60	22.84	22.62	24.24	22.73	20.36	19.10
28	19.06	22.25	25.29	24.29	22.78	23.58	22.79	22.71	24.38	22.74	20.35	19.10
29	19.01	22.25	25.27	29.60	---	23.54	22.78	22.84	24.38	22.80	20.32	18.99
30	18.98	21.88	25.30	32.76	---	23.67	22.79	23.14	24.30	22.56	20.20	19.04
31	19.01	---	25.20	32.86	---	23.59	---	23.33	---	22.51	20.35	---
MAX	20.38	23.32	26.91	32.86	32.33	24.80	26.66	23.33	24.38	23.90	22.51	20.20
MIN	17.35	18.98	20.93	23.79	22.78	21.95	22.77	22.28	23.06	22.51	20.20	18.99

CAL YR MAX 28.42 MIN 16.15
WTR YR MAX 32.86 MIN 17.35

e Estimated

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)
Dec. 12	1300	1180	10.90	Jan. 29	1930	*9740	*15.48
Jan. 2	1900	4710	13.53	Mar. 14	1530	995	10.62
Jan. 23	1500	1660	11.47				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	8.9	24	128	710	37	110	9.9	18	14	4.2	1.1
2	4.3	12	51	3000	301	32	56	9.0	e12	13	3.8	1.4
3	8.3	10	15	1980	139	49	47	8.4	9.7	10	3.4	1.5
4	8.4	10	7.4	693	88	31	307	8.2	8.0	9.2	3.1	1.5
5	6.8	10	5.4	214	63	26	624	8.0	7.1	8.5	2.8	e1.5
6	15	12	4.8	82	50	73	622	e14	10	8.0	e2.6	1.4
7	27	11	10	58	45	265	457	e30	11	e7.4	e2.4	1.4
8	23	12	357	50	42	96	88	e16	7.5	14	e1.9	1.4
9	15	12	513	45	38	216	45	e6.0	5.9	16	e1.8	1.4
10	11	15	487	41	30	314	31	e5.0	5.1	30	e1.5	1.4
11	9.4	18	601	29	29	94	25	e7.5	5.0	32	e1.4	1.3
12	8.4	18	1110	17	34	54	21	e11	5.5	69	e1.3	1.2
13	7.9	82	910	14	39	383	18	e18	22	74	e1.4	1.1
14	7.3	333	499	12	32	923	19	e35	16	33	e1.3	1.1
15	6.7	471	117	10	26	628	26	e12	19	15	e1.3	1.0
16	6.5	327	45	9.3	24	157	26	e8.0	e16	11	e1.2	.94
17	6.6	59	26	8.4	24	65	20	e5.5	12	8.6	e1.2	.90
18	6.3	17	19	7.6	25	46	16	e7.0	9.9	7.3	e1.1	.84
19	8.1	9.7	101	6.9	28	36	14	8.9	8.7	6.5	e1.1	.75
20	9.9	20	209	6.3	24	32	13	9.2	7.8	6.0	e1.1	.75
21	11	199	103	5.8	23	29	13	9.2	7.0	16	e1.0	.73
22	17	186	42	323	22	26	12	8.1	8.7	15	e.99	.66
23	17	38	25	1310	22	23	11	7.4	12	9.6	e1.0	.58
24	13	14	51	821	20	21	11	6.7	44	8.6	1.1	.56
25	11	8.8	130	272	19	29	10	6.4	337	7.0	1.1	.51
26	10	6.9	69	74	19	38	11	6.7	638	6.3	1.0	.49
27	9.3	5.9	38	43	20	32	12	6.6	453	5.4	1.0	.45
28	8.9	5.3	30	67	35	24	13	7.7	130	e4.8	1.1	.74
29	8.5	4.0	38	5060	---	28	14	7.2	29	4.7	1.1	2.1
30	7.6	5.0	32	5570	---	87	11	20	18	5.0	1.1	1.8
31	7.4	---	18	1850	---	121	---	18	---	4.6	.99	---
TOTAL	321.5	1940.5	5687.6	21807.3	1971	4015	2703	340.6	1892.9	479.5	51.38	32.50
MEAN	10.4	64.7	183	703	70.4	130	90.1	11.0	63.1	15.5	1.66	1.08
MAX	27	471	1110	5570	710	923	624	35	638	74	4.2	2.1
MIN	4.3	4.0	4.8	5.8	19	21	10	5.0	5.0	4.6	.99	.45
AC-FT	638	3850	11280	43250	3910	7960	5360	676	3750	951	102	64
CFSM	.14	.89	2.53	9.70	.97	1.79	1.24	.15	.87	.21	.02	.01
IN.	.16	1.00	2.92	11.19	1.01	2.06	1.39	.17	.97	.25	.03	.02

e Estimated

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1999, BY WATER YEAR (WY)

MEAN	23.0	36.1	119	174	217	137	105	95.4	78.9	18.2	9.46	2.20
MAX	128	220	376	703	514	433	451	388	433	290	125	17.4
(WY)	1998	1987	1983	1999	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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1981 - 1999		
ANNUAL TOTAL	37480.22			41242.78			83.9		
ANNUAL MEAN	103			113			156		
HIGHEST ANNUAL MEAN							1989		
LOWEST ANNUAL MEAN							3.90		
HIGHEST DAILY MEAN	4000	Jan	7	5570	Jan	30	6230	May	18 1989
LOWEST DAILY MEAN	.00	Jul	5	.45	Sep	27	.00	At times most years	
ANNUAL SEVEN-DAY MINIMUM	.00	Jul	5	.57	Sep	21	.00	At times most years	
INSTANTANEOUS PEAK FLOW				9740	Jan	29	9740	Jan	29 1999
INSTANTANEOUS PEAK STAGE				15.48	Jan	29	15.48	Jan	29 1999
INSTANTANEOUS LOW FLOW				^a 2.21	Sep	27	No flow	at times most years	
INSTANTANEOUS LOW STAGE				^a 2.21	Sep	27			
ANNUAL RUNOFF (AC-FT)	74340			81810			60760		
ANNUAL RUNOFF (CFSM)	1.42			1.56			1.16		
ANNUAL RUNOFF (INCHES)	19.23			21.16			15.72		
10 PERCENT EXCEEDS	315			211			186		
50 PERCENT EXCEEDS	12			13			4.2		
90 PERCENT EXCEEDS	.00			1.3			.00		

^a Also occurred Sep 28.GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.19	3.41	4.39	5.58	10.04	4.41	6.04	3.24	3.70	3.49	2.79	2.36
2	3.14	3.55	5.14	12.36	7.97	4.23	4.94	3.18	3.39	3.41	2.75	2.43
3	3.38	3.48	4.22	11.68	6.48	4.75	4.66	3.14	3.22	3.28	2.71	2.44
4	3.39	3.47	3.87	9.98	5.69	4.22	8.04	3.12	3.11	3.19	2.67	2.43
5	3.31	3.49	3.75	7.17	5.13	4.04	9.79	3.11	3.04	3.15	2.64	2.43
6	3.64	3.55	3.71	5.71	4.79	4.96	9.87	---	3.23	3.11	---	2.43
7	4.10	3.53	3.93	5.30	4.66	7.73	8.99	---	3.31	3.07	---	2.42
8	3.98	3.58	8.33	5.14	4.56	5.79	5.63	---	3.08	3.42	---	2.42
9	3.67	3.57	9.47	5.05	4.43	7.23	4.65	---	2.94	3.60	---	2.43
10	3.52	3.69	9.32	4.95	4.18	8.11	4.22	---	2.88	4.14	---	2.42
11	3.44	3.78	9.74	4.66	4.12	5.72	3.98	---	2.86	4.05	---	2.40
12	3.39	3.79	10.79	4.29	4.33	4.88	3.80	---	2.91	5.23	---	2.39
13	3.37	5.28	10.47	4.16	4.47	8.32	3.69	---	3.80	5.39	---	2.38
14	3.33	8.22	9.25	4.10	4.25	10.50	3.74	---	3.58	4.25	---	2.37
15	3.30	9.22	6.16	4.03	4.02	9.78	4.01	---	3.70	3.55	---	2.35
16	3.29	8.17	5.04	3.97	3.94	6.56	4.02	---	3.60	3.30	---	2.33
17	3.29	5.24	4.57	3.92	3.92	5.17	3.78	---	3.36	3.15	---	2.32
18	3.28	4.29	4.34	3.88	3.99	4.68	3.57	---	3.24	3.06	---	2.31
19	3.37	3.99	5.95	3.84	4.08	4.39	3.49	3.17	3.16	3.00	---	2.29
20	3.47	4.27	7.23	3.80	3.93	4.24	3.44	3.19	3.09	2.96	---	2.29
21	3.54	7.10	5.98	3.77	3.89	4.12	3.40	3.19	3.04	3.57	---	2.28
22	3.74	6.93	4.96	7.39	3.85	4.02	3.38	3.12	3.15	3.52	---	2.27
23	3.75	4.85	4.53	11.04	3.85	3.89	3.33	3.07	3.36	3.22	---	2.25
24	3.62	4.18	5.13	10.27	3.79	3.82	3.29	3.02	4.60	3.15	2.38	2.24
25	3.53	3.94	6.38	7.64	3.75	4.14	3.27	2.99	7.51	3.04	2.36	2.23
26	3.47	3.84	5.48	5.58	3.73	4.46	3.30	3.01	9.89	2.98	2.35	2.23
27	3.44	3.78	4.88	4.99	3.78	4.23	3.37	3.01	9.10	2.90	2.35	2.22
28	3.42	3.74	4.69	5.23	4.35	3.93	3.41	3.09	6.02	2.85	2.36	2.28
29	3.40	3.65	4.89	13.10	---	4.09	3.47	3.05	4.12	2.84	2.36	2.58
30	3.35	3.71	4.73	13.80	---	5.63	3.34	3.69	3.68	2.86	2.35	2.56
31	3.34	---	4.32	11.59	---	6.25	---	3.69	---	2.83	2.34	---
MAX	4.10	9.22	10.79	13.80	10.04	10.50	9.87	---	9.89	5.39	---	2.58
MIN	3.14	3.41	3.71	3.77	3.73	3.82	3.27	---	2.86	2.83	---	2.22

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)
Jan 2	1500	*15,400	*19.29	Jan 29	2400	14,800	19.19

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.46	2.2	28	113	530	75	88	11	9.7	4.6	.29	.36
2	.39	11	34	8970	271	44	61	9.8	10	3.2	.25	.85
3	1.3	24	24	2080	138	51	57	9.0	8.8	2.4	.33	2.0
4	1.9	9.2	21	529	103	40	356	8.2	5.5	1.9	.20	2.7
5	1.3	5.3	42	256	81	32	712	7.9	3.8	1.6	3.5	2.8
6	.97	3.6	34	135	70	196	377	e13	2.8	5.5	.40	3.6
7	1.2	2.8	26	115	65	195	142	e10	2.0	26	.10	4.6
8	.99	4.8	88	111	60	121	70	7.9	1.5	31	.21	4.0
9	1.0	13	146	126	54	375	51	7.5	1.2	8.7	.10	3.1
10	2.1	17	96	100	50	332	43	9.9	1.1	7.3	.13	2.6
11	2.2	9.4	416	73	47	136	39	10	8.1	8.9	.05	2.2
12	1.2	7.2	1040	63	48	79	32	14	8.7	19	.10	2.0
13	.82	121	867	57	53	372	26	14	10	37	.46	2.1
14	.54	437	431	52	45	634	23	14	8.8	20	.56	1.9
15	.43	532	159	49	40	457	21	9.5	4.8	8.9	.41	1.8
16	.63	456	76	47	37	185	20	7.7	7.0	7.2	.33	2.2
17	.99	198	55	47	38	93	18	8.6	4.3	3.3	.21	2.7
18	.87	57	47	43	38	71	17	6.9	2.2	2.5	.12	2.4
19	1.3	36	131	40	33	57	16	5.5	1.3	3.9	.03	2.3
20	2.2	39	228	38	29	51	15	4.9	.77	2.9	.00	2.2
21	2.9	88	124	38	30	48	15	4.4	.51	e1.3	.00	2.0
22	4.5	77	79	351	30	45	14	4.5	.36	e.83	.00	1.9
23	5.5	41	73	997	29	37	14	4.7	.58	.69	.00	1.8
24	3.8	29	102	566	26	34	13	4.5	4.4	1.0	.12	1.7
25	2.5	26	124	254	24	215	13	3.8	135	2.2	.55	1.6
26	2.3	23	77	112	24	137	13	3.7	301	2.9	.52	1.5
27	2.3	20	61	84	26	63	14	3.9	131	1.9	.57	1.3
28	1.8	19	61	76	57	45	14	5.0	26	.98	.62	1.2
29	1.6	17	62	4230	---	56	15	12	17	.64	.55	1.1
30	1.5	19	55	8990	---	95	13	14	7.3	.45	.48	.92
31	1.6	---	42	1370	---	116	---	14	---	.37	.41	---
TOTAL	53.09	2344.5	4849	30112	2076	4487	2322	263.8	725.52	219.06	11.60	63.43
MEAN	1.71	78.2	156	971	74.1	145	77.4	8.51	24.2	7.07	.37	2.11
MAX	5.5	532	1040	8990	530	634	712	14	301	37	3.5	4.6
MIN	.39	2.2	21	38	24	32	13	3.7	.36	.37	.00	.36
AC-FT	105	4650	9620	59730	4120	8900	4610	523	1440	435	23	126
CFSM	.02	.97	1.95	12.1	.92	1.80	.97	.11	.30	.09	.00	.03
IN.	.02	1.09	2.25	13.97	.96	2.08	1.08	.12	.34	.10	.01	.03

e Estimated

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1999, BY WATER YEAR (WY)

MEAN	17.0	38.8	127	202	226	151	141	113	76.1	19.5	8.85	11.5
MAX	126	305	478	971	592	347	544	530	574	288	65.8	85.0
(WY)	1998	1987	1983	1999	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 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1978 - 1999

ANNUAL TOTAL	45949.00	47527.00	
ANNUAL MEAN	126	130	93.6
HIGHEST ANNUAL MEAN			190 1989
LOWEST ANNUAL MEAN			10.6 1981
HIGHEST DAILY MEAN	8550	Jan 7 8990	Jan 30 10700 May 18 1989
LOWEST DAILY MEAN	.00	many days ^a	Aug 20 .00 most years
ANNUAL SEVEN-DAY MINIMUM	.00	many days	Aug 18 .00 most years
INSTANTANEOUS PEAK FLOW	11800	Jan 7 15400	Jan 2 21300 Sep 20 1958
INSTANTANEOUS PEAK STAGE	18.59	Jan 7 19.29	Jan 2 21.19 May 18 1989
INSTANTANEOUS LOW FLOW	.00	many days ^b	Aug 12 No flow at times most years
ANNUAL RUNOFF (AC-FT)	91140	94270	67820
ANNUAL RUNOFF (CFSM)	1.57	1.62	1.17
ANNUAL RUNOFF (INCHES)	21.31	22.04	15.86
10 PERCENT EXCEEDS	333	151	194
50 PERCENT EXCEEDS	6.6	13	7.0
90 PERCENT EXCEEDS	.00	.56	.00

^a Also occurred Aug 21-23.^b Also occurred Aug 19-24.GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.35	6.59	8.21	9.95	14.65	9.35	9.70	6.74	7.01	6.85	6.26	6.80
2	6.32	7.35	8.48	17.88	12.82	8.36	8.93	6.68	7.08	6.72	6.25	6.90
3	6.49	8.14	7.99	16.06	10.86	8.60	8.78	6.63	6.96	6.62	6.28	7.07
4	6.58	7.24	7.83	14.64	10.08	8.19	13.34	6.59	6.70	6.56	6.23	7.14
5	6.48	6.92	8.81	12.63	9.54	7.88	15.20	6.57	6.55	6.52	6.95	7.15
6	6.43	6.76	8.48	10.82	9.21	11.67	13.78	---	6.45	6.93	6.80	7.22
7	6.46	6.68	8.12	10.36	9.07	11.88	10.88	---	6.37	7.87	6.72	7.42
8	6.43	6.87	10.15	10.28	8.91	10.32	9.22	6.61	6.30	8.39	6.75	7.38
9	6.43	7.49	11.47	10.61	8.72	13.83	8.63	6.58	6.27	7.20	6.72	7.29
10	6.58	7.75	10.38	10.02	8.60	13.46	8.32	6.78	6.27	7.09	6.73	7.24
11	6.60	7.27	13.84	9.31	8.48	10.75	8.17	6.80	6.96	7.13	6.70	7.20
12	6.46	7.10	15.66	9.02	8.50	9.47	7.88	7.08	7.05	7.86	6.72	7.17
13	6.40	10.28	15.45	8.81	8.67	13.23	7.59	7.07	7.17	8.73	6.83	7.18
14	6.34	14.19	14.15	8.65	8.42	15.12	7.46	7.11	7.09	7.92	6.86	7.17
15	6.32	14.72	11.57	8.56	8.19	14.28	7.34	6.81	6.76	7.21	6.82	7.15
16	6.36	14.32	9.90	8.47	8.10	11.62	7.26	6.68	6.96	7.08	6.79	7.20
17	6.43	12.02	9.28	8.47	8.13	9.83	7.14	6.76	6.73	6.72	6.76	7.26
18	6.41	9.31	9.01	8.32	8.13	9.24	7.07	6.63	6.51	6.63	6.72	7.22
19	6.47	8.58	10.98	8.19	7.91	8.83	7.03	6.52	6.40	6.78	6.69	7.21
20	6.60	8.67	12.64	8.13	7.71	8.61	7.00	6.47	6.32	6.68	6.64	7.20
21	6.69	10.22	11.03	8.12	7.78	8.50	6.96	6.44	6.28	---	6.59	7.18
22	6.85	9.92	10.00	12.40	7.79	8.41	6.91	6.46	6.25	---	6.54	7.16
23	6.94	8.76	9.82	15.60	7.72	8.07	6.89	6.49	6.31	6.37	6.51	7.14
24	6.78	8.27	10.57	14.79	7.60	7.94	6.84	6.49	6.82	6.43	6.59	7.14
25	6.63	8.09	11.05	12.57	7.51	11.95	6.82	6.43	10.10	6.59	6.85	7.12
26	6.61	7.95	9.94	10.29	7.49	10.78	6.82	6.43	13.32	6.68	6.85	7.10
27	6.61	7.79	9.48	9.61	7.60	8.99	6.93	6.46	10.97	6.56	6.86	7.08
28	6.54	7.73	9.47	9.38	8.76	8.39	6.91	6.57	8.24	6.42	6.87	7.05
29	6.52	7.64	9.51	15.76	---	8.77	7.01	7.07	7.73	6.36	6.85	7.05
30	6.51	7.74	9.28	17.94	---	9.87	6.86	7.31	7.09	6.32	6.84	7.01
31	6.53	---	8.81	15.83	---	10.39	---	7.25	---	6.29	6.82	---
MAX	6.94	14.72	15.66	17.94	14.65	15.12	15.20	---	13.32	---	6.95	7.42
MIN	6.32	6.59	7.83	8.12	7.49	7.88	6.82	---	6.25	---	6.23	6.80

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 1998 TO SEPTEMBER 1999
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3331000	3588000	3900000	4167000	4649000	4140000	4168000	4222000	4187000	4349000	4179000	3786000
2	3310000	3575000	3877000	4352000	4621000	4212000	4180000	4212000	4189000	4356000	4156000	3766000
3	3331000	3586000	3902000	4458000	4603000	4101000	4193000	4193000	4191000	4344000	4146000	3759000
4	3322000	3603000	3885000	4460000	4581000	4038000	4210000	4201000	4191000	4363000	4132000	3756000
5	3316000	3591000	3866000	4440000	4564000	4074000	4238000	4213000	4207000	4363000	4118000	3772000
6	3364000	3578000	3841000	4491000	4546000	4072000	4257000	4189000	4210000	4367000	4101000	3762000
7	3358000	3568000	3895000	4520000	4550000	4052000	4229000	4182000	4217000	4365000	4087000	3761000
8	3366000	3591000	3862000	4583000	4520000	4062000	4227000	4179000	4231000	4344000	4086000	3759000
9	3375000	3577000	3864000	4544000	4513000	4075000	4248000	4175000	4229000	4326000	4072000	3742000
10	3382000	3608000	3905000	4526000	4485000	4074000	4264000	4158000	4233000	4347000	4057000	3719000
11	3398000	3602000	4001000	4516000	4555000	4086000	4273000	4179000	4238000	4351000	4038000	3711000
12	3416000	3617000	4075000	4520000	4476000	4084000	4262000	4184000	4252000	4349000	4016000	3714000
13	3428000	3705000	4123000	4551000	4462000	4208000	4234000	4184000	4273000	4336000	4013000	3718000
14	3434000	3796000	4158000	4502000	4428000	4233000	4250000	4168000	4283000	4317000	4009000	3703000
15	3437000	3864000	4179000	4456000	4410000	4229000	4247000	4167000	4271000	4315000	4004000	3694000
16	3438000	3902000	4189000	4447000	4435000	4220000	4236000	4161000	4274000	4308000	3987000	3684000
17	3456000	3925000	4187000	4435000	4410000	4247000	4217000	4212000	4269000	4313000	3967000	3676000
18	3490000	3930000	4180000	4410000	4413000	4259000	4184000	4165000	4266000	4315000	3960000	3673000
19	3509000	3943000	4210000	4381000	4383000	4252000	4180000	4153000	4273000	4297000	3943000	3670000
20	3526000	3963000	4200000	4345000	4385000	4257000	4165000	4139000	4276000	4283000	3925000	3665000
21	3540000	3963000	4292000	4308000	4349000	4226000	4179000	4133000	4269000	4285000	3922000	3674000
22	3540000	3958000	4208000	4374000	4290000	4184000	4194000	4140000	4276000	4274000	3912000	3650000
23	3533000	3970000	4219000	4351000	4306000	4191000	4201000	4146000	4274000	4260000	3900000	3641000
24	3537000	3958000	4207000	4342000	4262000	4180000	4215000	4140000	4274000	4254000	3849000	3620000
25	3543000	3958000	4198000	4347000	4250000	4186000	4196000	4133000	4288000	4254000	3867000	3620000
26	3547000	3950000	4172000	4327000	4210000	4168000	4231000	4142000	4317000	4240000	3852000	3625000
27	3549000	3936000	4210000	4318000	4219000	4149000	4231000	4137000	4340000	4231000	3841000	3620000
28	3549000	3903000	4175000	4349000	4182000	4147000	4229000	4154000	4347000	4212000	3836000	3619000
29	3554000	3902000	4203000	4601000	---	4153000	4233000	4163000	4352000	4196000	3833000	3628000
30	3552000	3917000	4173000	4800000	---	4168000	4226000	4167000	4342000	4180000	3816000	3614000
31	3555000	---	4172000	4737000	---	4163000	---	4186000	---	4173000	3801000	---
MAX	3555000	3970000	4292000	4800000	4649000	4259000	4273000	4222000	4352000	4367000	4179000	3786000
MIN	3310000	3568000	3841000	4167000	4182000	4038000	4165000	4133000	4187000	4173000	3801000	3614000
(+)	166.53	168.78	170.28	173.41	170.34	170.23	170.59	170.36	171.25	170.29	168.08	166.91
(@)	+218000	+362000	+255000	+565000	-555000	-19000	+63000	-40000	+156000	-169000	-372000	-187000

CAL YR 1998 MAX 4642000 MIN 3151000 (@) +81000

WTR YR 1999 MAX 4800000 MIN 3310000 (@) +277000

(+) Elevation, in feet, at end of month.

(@) 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.--Oct 1971 to current year. Water-quality records.--Chemical data: Oct 1967 to Sep 1986. Biochemical data: Oct 1967 to Sep 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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	204	10800	15200	89300	15000	6960	204	4780	5470	204	5750
2	204	898	10900	15200	62300	15200	6970	204	4850	5170	5480	5730
3	204	204	11300	15200	49600	15100	6950	4930	4860	204	5470	5850
4	204	864	11900	15400	40700	15100	6920	4890	4870	204	5490	204
5	204	204	12300	15400	31900	10000	6880	4790	278	204	5540	204
6	204	1010	12200	15400	26300	6840	6750	4820	271	5420	5490	204
7	204	204	7480	14800	25600	6830	10400	5300	4870	5560	204	5750
8	204	204	7040	15200	25600	4400	14400	204	4900	5370	204	5800
9	204	781	7040	18200	22300	204	14400	204	4800	5420	5660	5810
10	204	204	7060	17200	20200	204	14400	4930	4840	204	5490	5730
11	204	847	7130	15400	20200	204	14400	4760	5060	204	5440	204
12	204	204	7020	15400	18300	204	14400	4910	204	5470	5590	185
13	204	1130	7020	15400	15200	204	14400	5090	204	5510	5640	1320
14	812	204	9220	15400	14700	204	14400	4810	4840	5410	204	1250
15	204	204	10800	15300	14800	5560	14300	204	4940	5430	204	1730
16	1180	204	12500	15300	14800	7210	14000	204	4910	5670	5640	1280
17	204	204	14800	15300	14700	7280	13900	4690	4850	204	5520	1260
18	204	5580	15100	15300	14700	7290	14000	4980	4900	204	5620	174
19	204	7460	14100	15300	14600	11800	13400	4390	204	5450	5690	174
20	204	7410	13700	15200	14700	14700	3020	2350	204	5410	5580	1300
21	204	7560	13500	15200	14800	14500	204	4900	4850	5480	204	1280
22	204	7600	14400	15100	14700	14500	204	204	4900	5450	204	1200
23	204	7490	15000	15100	14700	14600	204	204	4920	5530	5610	1300
24	204	11000	14600	15000	14600	14600	204	2210	4310	204	7760	1460
25	204	11300	14400	15000	14600	14700	204	4410	4910	204	7190	174
26	204	11300	14900	15000	14600	14700	204	5160	204	5520	5620	174
27	204	11400	15100	14900	14600	14700	204	4970	204	5510	5750	1270
28	829	11300	15200	14800	14600	14700	2530	5330	4840	5910	204	1330
29	204	10200	15200	16300	---	14700	204	204	4780	5440	204	1330
30	1150	10600	15200	59400	---	13700	204	204	4790	5450	5650	1370
31	204	---	15200	117000	---	6980	---	204	---	204	5740	---
TOTAL	9479	127974	372110	623300	667700	295914	229616	94864	108343	117090	128496	60797
MEAN	306	4266	12000	20110	23850	9546	7654	3060	3611	3777	4145	2027
MAX	1180	11400	15200	117000	89300	15200	14400	5330	5060	5910	7760	5850
MIN	204	204	7020	14800	14600	204	204	204	204	204	204	174
AC-FT	18800	253800	738100	1236000	1324000	586900	455400	188200	214900	232200	254900	120600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1999, BY WATER YEAR (WY)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
MEAN	1220	2304	5645	9506	10450	10710	8320	7825	5919	4647	3642	2965
MAX	6809	13340	17720	27680	23850	28210	19270	22170	24960	18790	6732	7323
(WY)	1992	1995	1975	1974	1999	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 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1972 - 1999

	1998	1999	1972-1999
ANNUAL TOTAL	2711622	2835683	
ANNUAL MEAN	7429	7769	6077
HIGHEST ANNUAL MEAN			10370
LOWEST ANNUAL MEAN			517
HIGHEST DAILY MEAN	25300	117000	117000
LOWEST DAILY MEAN	144	174	30
ANNUAL SEVEN-DAY MINIMUM	146	204	34
ANNUAL RUNOFF (AC-FT)	5379000	5625000	4402000
10 PERCENT EXCEEDS	17300	15200	14900
50 PERCENT EXCEEDS	4760	5470	3940
90 PERCENT EXCEEDS	204	204	143

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)
Nov. 15	1030	7,780	20.87	Jan. 30	0330	*17,600	*24.75
Dec. 13	0630	3,830	16.71	Mar. 14	0700	7,180	20.41
Jan. 2	1300	1,880	12.25	Apr. 4	0830	2,190	13.11
Jan. 7	2230	2,770	14.63				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	8.1	53	99	1830	e80	296	41	46	24	9.7	4.8
2	8.7	33	50	1490	520	e70	190	38	36	20	8.9	4.6
3	11	62	48	1530	362	e120	194	36	29	18	8.4	5.1
4	14	30	47	836	289	125	1870	35	25	17	9.3	15
5	16	19	47	264	232	e95	1520	36	22	18	13	15
6	16	14	45	195	196	e80	756	37	20	59	11	14
7	23	12	43	1140	182	e71	303	35	23	36	8.9	11
8	31	11	45	2100	168	e67	194	31	24	186	7.8	8.9
9	22	11	74	1470	151	e65	150	29	25	103	7.3	7.7
10	15	12	87	574	137	124	e122	32	38	44	6.9	6.6
11	12	12	1060	316	127	89	e100	47	67	42	6.5	6.8
12	10	11	3300	236	113	86	e85	51	139	37	6.2	6.9
13	8.7	1170	3440	197	100	4100	e74	50	79	33	5.8	6.1
14	8.1	3320	1660	164	e90	5630	210	43	52	29	5.8	5.6
15	8.1	6580	363	140	e80	2180	820	35	38	23	5.7	4.9
16	8.1	3600	226	126	e74	493	421	30	34	20	5.3	4.5
17	7.4	1420	172	118	e88	277	149	27	36	185	5.2	4.0
18	7.9	314	142	108	150	210	101	26	23	101	5.0	3.8
19	9.5	199	296	97	e108	172	84	24	19	55	4.9	3.6
20	14	148	377	90	e83	146	75	23	17	30	5.0	3.4
21	18	122	215	88	e75	132	69	22	16	24	4.7	3.4
22	18	107	160	110	111	120	63	21	17	22	4.9	3.2
23	14	95	168	315	e82	113	58	20	54	22	4.6	3.0
24	12	85	247	204	e70	110	53	19	99	21	4.4	3.2
25	10	79	223	119	e64	198	50	19	100	17	4.4	3.3
26	9.1	74	158	97	e60	604	49	25	166	15	4.5	3.3
27	8.5	68	135	87	e55	256	85	33	248	15	4.6	3.1
28	8.0	64	174	84	e100	144	85	60	88	13	5.4	3.3
29	7.7	60	199	6380	---	134	59	97	43	12	5.2	6.7
30	7.4	56	146	13900	---	436	47	52	30	11	4.7	5.4
31	7.4	---	112	5390	---	666	---	45	---	10	4.5	---
TOTAL	379.7	17796.1	13512	38064	5697	17193	8332	1119	1653	1262	198.5	180.2
MEAN	12.2	593	436	1228	203	555	278	36.1	55.1	40.7	6.40	6.01
MAX	31	6580	3440	13900	1830	5630	1870	97	248	186	13	15
MIN	7.4	8.1	43	84	55	65	47	19	16	10	4.4	3.0
AC-FT	753	35300	26800	75500	11300	34100	16530	2220	3280	2500	394	357
CFSM	.08	4.01	2.95	8.30	1.37	3.75	1.88	.24	.37	.28	.04	.04
IN.	.10	4.47	3.40	9.57	1.43	4.32	2.09	.28	.42	.32	.05	.05

e Estimated

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1999, BY WATER YEAR (WY)

MEAN	49.8	83.5	186	322	320	270	249	192	113	57.6	27.8	51.8
MAX	695	593	1166	1228	1117	789	1354	1223	1202	886	198	928
(WY)	1985	1999	1983	1999	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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1956 - 1999					
ANNUAL TOTAL	78502.7			105386.5								
ANNUAL MEAN	215			289			159					
HIGHEST ANNUAL MEAN							409					
LOWEST ANNUAL MEAN							23.2					
HIGHEST DAILY MEAN	8610			Jan	7		13900	Jan	30	21600	Apr	9
LOWEST DAILY MEAN	1.0			Aug	1		3.0	Sep	23	.10	Sep	29
ANNUAL SEVEN-DAY MINIMUM	1.5			Jul	30		3.2	Sep	22	.13	Sep	27
INSTANTANEOUS PEAK FLOW				17600			Jan			31200	Apr	9
INSTANTANEOUS PEAK STAGE				24.75			Jan			25.73	Apr	9
INSTANTANEOUS LOW FLOW				2.9			Sep			^a .10	Sep	29
INSTANTANEOUS LOW STAGE				2.92			Sep			^b 2.40	Sep	30
ANNUAL RUNOFF (AC-FT)	155700			209000			115500					
ANNUAL RUNOFF (CFMS)	1.45			1.95			1.08					
ANNUAL RUNOFF (INCHES)	19.73			26.49			14.64					
10 PERCENT EXCEEDS	367			334			296					
50 PERCENT EXCEEDS	22			50			33					
90 PERCENT EXCEEDS	2.8			5.8			5.8					

a Also occurred Sep 30, Oct 1, 1956.

b Also occurred Oct 1, 1956.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.30	3.25	4.21	4.75	11.93	---	6.07	4.03	4.10	3.70	3.27	3.05
2	3.28	3.95	4.16	10.75	7.17	---	5.47	3.97	3.93	3.61	3.24	3.03
3	3.38	4.42	4.13	11.15	6.41	---	5.43	3.94	3.81	3.56	3.23	3.06
4	3.50	3.91	4.12	8.44	6.04	---	12.17	3.93	3.71	3.51	3.26	3.45
5	3.55	3.62	4.11	5.91	5.73	---	11.11	3.94	3.65	3.53	3.39	3.46
6	3.55	3.49	4.08	5.51	5.52	---	8.15	3.96	3.60	4.29	3.31	3.42
7	3.75	3.41	4.05	9.01	5.43	---	6.11	3.92	3.67	3.93	3.24	3.32
8	3.93	3.38	4.09	12.84	5.33	---	5.50	3.85	3.70	5.37	3.20	3.24
9	3.71	3.38	4.47	10.91	5.21	---	5.20	3.81	3.72	4.74	3.18	3.19
10	3.51	3.40	4.61	7.40	5.10	4.98	---	3.86	3.97	4.07	3.16	3.15
11	3.40	3.40	9.14	6.18	5.02	4.64	---	4.12	4.38	4.04	3.14	3.15
12	3.34	3.39	15.73	5.76	4.90	4.61	---	4.18	5.10	3.95	3.12	3.16
13	3.28	8.76	15.98	5.52	4.76	15.64	---	4.16	4.53	3.88	3.11	3.12
14	3.26	15.70	11.38	5.30	---	18.88	5.27	4.05	4.19	3.80	3.10	3.10
15	3.25	19.85	6.41	5.12	---	12.95	8.50	3.92	3.97	3.68	3.10	3.06
16	3.26	16.02	5.70	5.01	---	7.02	6.67	3.83	3.89	3.60	3.08	3.03
17	3.23	10.57	5.36	4.94	---	5.97	5.18	3.78	3.92	5.36	3.07	3.00
18	3.25	6.17	5.14	4.85	5.20	5.61	4.78	3.74	3.67	4.69	3.06	2.98
19	3.32	5.53	6.05	4.74	4.87	5.36	4.59	3.71	3.59	4.22	3.06	2.98
20	3.47	5.19	6.48	4.66	---	5.18	4.49	3.67	3.53	3.83	3.06	2.96
21	3.62	4.97	5.63	4.64	---	5.06	4.42	3.65	3.48	3.70	3.05	2.96
22	3.62	4.83	5.28	4.84	4.87	4.96	4.34	3.62	3.51	3.64	3.05	2.94
23	3.49	4.71	5.32	6.16	---	4.90	4.27	3.61	4.18	3.66	3.04	2.93
24	3.40	4.61	5.82	5.55	---	4.87	4.21	3.58	4.75	3.62	3.02	2.94
25	3.34	4.54	5.68	4.95	---	5.44	4.16	3.57	4.75	3.52	3.02	2.95
26	3.30	4.47	5.26	4.73	---	7.56	4.14	3.72	5.30	3.46	3.03	2.95
27	3.28	4.41	5.09	4.63	---	5.85	4.59	3.89	5.81	3.45	3.04	2.94
28	3.25	4.35	5.37	4.59	4.76	5.16	4.60	4.28	4.62	3.40	3.08	2.95
29	3.24	4.30	5.53	17.58	---	5.08	4.29	4.72	4.05	3.37	3.07	3.15
30	3.23	4.25	5.17	23.55	---	6.74	4.12	4.19	3.82	3.33	3.04	3.08
31	3.23	---	4.88	18.38	---	7.83	---	4.09	---	3.30	3.03	---
MAX	3.93	19.85	15.98	23.55	---	---	---	4.72	5.81	5.37	3.39	3.46
MIN	3.23	3.25	4.05	4.59	---	---	---	3.57	3.48	3.30	3.02	2.93

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 on downstream side of bridge on State Highway 63, about 200 ft downstream 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.--Sep 1955 to current year. Published as "below Toledo Bend near Burkeville" for period 1955-75. Water-quality records.--Chemical data: May 1968 to Sep 1986. Biochemical data: May 1968 to Sep 1986. Pesticide data: Oct 1972 to Sep 1981.

REVISED RECORDS.--WSP 1732: Drainage area.

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.

REMARKS.--Records fair. Since water year 1961, 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.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--5 years (water years 1956-60) prior to completion of Toledo Bend Reservoir, 5,179 ft³/s (3,749,00 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS 1956-60).--Maximum discharge, 52,900 ft³/s May 15, 1957 (gage height, 32.43 ft); minimum, 60 ft³/s Sep 26-30, 1956.

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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2600	298	9300	13200	117000	14100	7510	580	2480	4870	449	5230
2	364	568	9490	15500	94100	14300	7180	560	4650	4870	2650	5240
3	411	850	9600	15800	69400	14300	7170	2420	4700	2680	4910	5300
4	403	468	9940	14800	49200	14300	12200	4970	e4740	491	4940	2980
5	330	722	10400	13800	40000	12200	11700	4900	e2650	451	4970	497
6	405	507	10500	13400	32800	7480	8850	4880	e550	2710	4980	429
7	520	771	8630	13300	28200	7050	8680	4900	e2550	5010	2710	2760
8	365	403	6140	16800	25900	6370	13300	3270	4580	5080	444	5120
9	316	488	5990	16300	23900	1410	13700	635	4580	5100	2700	5250
10	293	737	6100	17000	20100	744	13700	2630	4680	2830	e5040	5220
11	275	413	7780	13700	19300	745	13600	4930	4770	549	e5030	2830
12	264	700	12100	13200	18600	793	13500	5060	3220	2970	e5020	460
13	256	2490	10300	13100	15300	6460	13500	4960	1250	5200	e5160	865
14	476	5930	10200	13100	14400	7600	13700	4980	2600	5080	e2790	1330
15	548	8540	10400	13000	14200	7790	14700	2840	4600	4990	e495	1430
16	668	6710	10100	12900	14200	8340	14200	629	4660	5080	e2800	1600
17	655	3470	12900	12900	14200	7530	13700	2490	4620	2840	e5150	1320
18	288	3770	13500	12800	14200	7340	13500	4710	4620	925	5110	817
19	292	6530	13100	12800	14100	9240	13400	4550	2670	2860	5150	334
20	308	6500	12800	12800	14100	13500	7150	3620	520	4960	5180	793
21	299	6420	12400	12800	14100	13700	1210	3710	2320	5010	2810	1260
22	284	6400	12600	13000	14000	13700	825	2830	4460	5020	467	1200
23	274	6360	13400	13300	14000	13700	755	574	4570	5030	2740	1240
24	268	7590	13400	13100	14000	13700	709	1350	4120	2800	5260	1330
25	262	9610	13000	12900	13900	14000	675	3330	4570	537	7890	889
26	258	9630	13000	12700	13900	14200	678	4660	3000	2710	5290	308
27	253	9640	13200	12700	13900	14100	764	4990	772	4960	5200	757
28	465	9640	13600	12700	13900	13900	1520	5020	2540	5050	2910	1250
29	537	9310	13500	16700	---	13800	2040	3230	4500	5240	468	1310
30	596	9090	13300	30600	---	14100	644	701	4500	4960	2760	1320
31	699	---	13200	67600	---	9330	---	622	---	2700	5110	---
TOTAL	14232	134555	343870	498300	764900	309822	244760	99531	105042	113563	116583	60669
MEAN	459	4485	11090	16070	27320	9994	8159	3211	3501	3663	3761	2022
MAX	2600	9640	13600	67600	117000	14300	14700	5060	4770	5240	7890	5300
MIN	253	298	5990	12700	13900	744	644	560	520	451	444	308
AC-FT	28230	266900	682100	988400	1517000	614500	485500	197400	208400	225300	231200	120300

e Estimated

z Period of regulated streamflow.

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1999z, BY WATER YEAR (WY)

MEAN	1157	2039	5707	8488	9484	9940	8226	8162	5541	4008	2916	2649
MAX	6846	12880	17990	28510	27320	27000	26530	32070	25310	23750	6662	7099
(WY)	1992	1995	1962	1974	1999	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 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1961 - 1999z	
ANNUAL TOTAL	2648363		2805827			
ANNUAL MEAN	7256		7687		5676	
HIGHEST ANNUAL MEAN					11190	
LOWEST ANNUAL MEAN					548	
HIGHEST DAILY MEAN	25800	Jan 23	117000	Feb 1	117000	Feb 1 1999
LOWEST DAILY MEAN	253	Oct 27	253	Oct 27	38	Sep 14 1967
ANNUAL SEVEN-DAY MINIMUM	271	Oct 21	271	Oct 21	41	Sep 9 1967
INSTANTANEOUS PEAK FLOW			124000	Feb 1	124000	Feb 1 1999
INSTANTANEOUS PEAK STAGE			48.05	Feb 1	48.05	Feb 1 1999
ANNUAL RUNOFF (AC-FT)	5253000		5565000		4112000	
10 PERCENT EXCEEDS	18000		14100		15300	
50 PERCENT EXCEEDS	4230		5010		2720	
90 PERCENT EXCEEDS	417		483		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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	34	227	586	9340	401	767	e380	359	217	69	6.3
2	56	102	212	1890	4350	383	682	e365	290	198	59	8.5
3	91	140	197	3120	2710	380	662	e348	248	188	50	8.1
4	257	124	186	3360	1460	367	4000	320	211	176	47	25
5	192	116	173	2700	1010	363	10300	248	132	501	42	27
6	233	98	165	1380	788	354	11900	221	104	540	37	12
7	582	83	174	1040	659	343	7070	149	99	261	33	14
8	331	80	256	1710	570	337	3520	141	102	1030	30	13
9	235	313	318	2390	511	360	1900	140	102	351	28	26
10	170	450	339	2580	708	346	1110	136	105	294	26	17
11	130	438	1430	2220	627	329	874	244	283	331	24	11
12	105	290	4380	1470	596	673	776	283	486	315	22	8.9
13	92	1200	9980	1050	575	2110	735	296	440	655	15	8.4
14	80	3250	7540	853	562	2370	710	243	483	335	12	22
15	69	7820	4230	708	551	1480	e950	204	374	256	10	18
16	62	10800	2500	566	551	1470	e1370	187	251	287	8.9	12
17	59	7420	1260	482	547	1440	e1420	169	275	346	8.5	8.5
18	60	4410	900	430	542	1110	e925	152	219	393	8.3	7.6
19	79	2870	768	387	528	909	e700	111	182	595	8.0	7.2
20	93	1500	690	349	516	752	e645	91	161	544	7.7	6.9
21	88	1000	646	327	513	697	e585	82	141	364	9.0	6.8
22	77	765	602	403	505	674	e550	69	90	535	8.2	6.3
23	70	606	530	1070	493	657	e515	60	153	307	7.1	6.2
24	52	502	537	1260	481	642	e490	55	125	228	6.6	6.2
25	42	425	504	945	471	922	e470	53	207	742	6.3	6.5
26	39	369	458	727	462	1090	e430	51	801	260	5.9	6.9
27	37	329	407	577	399	773	e400	77	1250	165	5.5	7.0
28	35	296	840	492	420	673	e418	501	505	138	6.3	7.4
29	34	269	1130	797	---	677	e405	793	295	110	6.3	19
30	32	244	923	2920	---	969	e390	206	245	95	6.2	27
31	31	---	708	8750	---	992	---	432	---	81	5.3	---
TOTAL	3577	46343	43210	47539	31445	25043	55669	6807	8718	10838	618.1	366.7
MEAN	115	1545	1394	1534	1123	808	1856	220	291	350	19.9	12.2
MAX	582	10800	9980	8750	9340	2370	11900	793	1250	1030	69	27
MIN	31	34	165	327	399	329	390	51	90	81	5.3	6.2
AC-FT	7090	91920	85710	94290	62370	49670	110400	13500	17290	21500	1230	727
CFSM	.32	4.23	3.82	4.20	3.08	2.21	5.08	.60	.80	.96	.05	.03
IN.	.36	4.72	4.40	4.85	3.20	2.55	5.67	.69	.89	1.10	.06	.04

e Estimated

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEPIKE, LA -- Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1999, BY WATER YEAR (WY)

MEAN	140	323	669	806	913	734	745	623	286	237	156	168
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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1952 - 1999		
ANNUAL TOTAL	241268.4			280173.8					
ANNUAL MEAN	661			768			481		
HIGHEST ANNUAL MEAN							1265		
LOWEST ANNUAL MEAN							102		
HIGHEST DAILY MEAN	13300	Jan	8	11900	Apr	6	49900	Apr	30 1953
LOWEST DAILY MEAN	7.4	Aug	5	5.3	Aug	31	5.3	Aug	31 1999
ANNUAL SEVEN-DAY MINIMUM	8.1	Jul	30	6.0	Aug	25	5.8	Sep	24 1981
INSTANTANEOUS PEAK FLOW				12900	Apr	6	64300	May	19 1953
INSTANTANEOUS PEAK STAGE				21.89	Apr	6	28.38	May	19 1953
INSTANTANEOUS LOW FLOW				5.0	Aug	31	4.0	Sep	28 1981
INSTANTANEOUS LOW STAGE				2.83	Aug	31			
ANNUAL RUNOFF (AC-FT)	478600			555700			348600		
ANNUAL RUNOFF (CFSM)	1.81			2.10			1.32		
ANNUAL RUNOFF (INCHES)	24.59			28.55			17.91		
10 PERCENT EXCEEDS	1550			1460			1090		
50 PERCENT EXCEEDS	139			337			149		
90 PERCENT EXCEEDS	15			12			20		

a Also occurred Sep 1.

b Also occurred Sep 29, 30, 1981.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.53	3.26	4.69	6.75	21.28	5.76	7.65	---	5.50	4.63	3.52	2.86
2	3.46	3.82	4.60	12.04	19.38	5.66	7.23	---	5.08	4.50	3.44	2.91
3	3.73	4.10	4.50	16.76	15.83	5.64	7.12	---	4.83	4.43	3.36	2.90
4	4.88	3.99	4.42	17.47	10.83	5.56	18.34	5.28	4.59	4.35	3.33	3.09
5	4.46	3.93	4.33	15.23	8.82	5.54	21.45	4.82	4.02	6.01	3.28	3.13
6	4.71	3.79	4.27	9.99	7.76	5.48	21.73	4.66	3.80	6.18	3.24	2.97
7	6.72	3.68	4.33	8.65	7.11	5.42	20.75	4.14	3.76	4.89	3.20	2.99
8	5.34	3.66	4.87	11.32	6.67	5.38	18.15	4.08	3.79	8.05	3.17	2.98
9	4.74	5.22	5.26	14.11	6.36	5.52	12.65	4.08	3.79	5.34	3.15	3.12
10	4.31	6.04	5.38	14.84	7.36	5.43	9.28	4.05	3.81	5.07	3.12	3.02
11	4.03	5.97	10.59	13.42	6.95	5.33	8.17	4.79	5.04	5.27	3.11	2.95
12	3.85	5.09	19.35	10.37	6.79	7.05	7.70	5.04	6.22	5.17	3.08	2.92
13	3.75	9.30	21.65	8.67	6.69	13.49	7.50	5.12	5.94	6.64	3.00	2.91
14	3.66	17.53	21.16	7.91	6.63	14.59	7.37	4.79	6.13	5.28	2.96	3.08
15	3.57	21.03	19.27	7.30	6.57	10.92	---	4.55	5.58	4.87	2.94	3.03
16	3.51	21.79	15.05	6.64	6.57	10.90	---	4.43	4.85	5.04	2.92	2.96
17	3.48	21.14	9.96	6.21	6.55	10.75	---	4.30	4.99	5.31	2.91	2.91
18	3.49	19.52	8.29	5.93	6.52	9.27	---	4.17	4.64	5.56	2.90	2.89
19	3.65	16.38	7.66	5.68	6.45	8.33	---	3.86	4.39	6.33	2.90	2.88
20	3.76	11.00	7.27	5.46	6.39	7.58	---	3.70	4.24	6.15	2.89	2.88
21	3.72	8.77	7.04	5.32	6.38	7.31	---	3.63	4.08	5.39	2.92	2.87
22	3.63	7.64	6.82	5.75	6.33	7.19	---	3.52	3.69	6.15	2.90	2.86
23	3.58	6.85	6.46	8.77	6.27	7.10	---	3.44	4.18	5.12	2.88	2.86
24	3.42	6.32	6.50	9.51	6.21	7.02	---	3.41	3.97	4.69	2.87	2.86
25	3.34	5.90	6.33	8.27	6.15	8.37	---	3.38	4.52	7.51	2.86	2.87
26	3.31	5.57	6.08	7.38	6.10	9.15	---	3.36	7.18	4.90	2.85	2.88
27	3.29	5.33	5.80	6.70	5.75	7.68	---	3.58	8.88	4.27	2.85	2.88
28	3.27	5.13	7.98	6.27	5.87	7.18	---	6.30	6.02	4.06	2.86	2.89
29	3.26	4.96	9.34	7.71	---	7.20	---	7.72	5.09	3.85	2.86	3.04
30	3.24	4.80	8.39	16.53	---	8.60	---	4.54	4.81	3.73	2.86	3.14
31	3.23	---	7.36	20.91	---	8.72	---	5.85	---	3.62	2.84	---
MAX	6.72	21.79	21.65	20.91	21.28	14.59	---	---	8.88	8.05	3.52	3.14
MIN	3.23	3.26	4.27	5.32	5.75	5.33	---	---	3.69	3.62	2.84	2.86

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 1998 TO SEPTEMBER 1999

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, DIS-SOLVED (MG/L) (00300)	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)
NOV 23...	1645	185	7.05	20.0	70	30	10.0	--	K170	120
JAN 25...	1700	117	6.77	16.0	80	16	14.4	6.5	900	210
MAR 30...	1700	130	6.82	17.5	60	15	8.1	3.4	590	470
MAY 18...	1700	322	6.82	27.0	100	36	6.6	3.3	K60	76
AUG 04...	1625	459	7.25	30.9	--	24	4.5	--	K26	84
SEP 30...	1200	590	6.82	22.0	200	13	9.8	2.9	69	--
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)	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)
NOV 23...	18	5.7	.85	27	1.8	18	34	16	<.10	12
JAN 25...	13	4.2	.68	16	1.5	13	19	11	<.10	10
MAR 30...	13	4.0	.67	17	1.6	15	22	12	<.10	10
MAY 18...	23	7.6	1.0	52	3.1	31	71	27	<.10	14
AUG 04...	29	9.3	1.4	78	3.9	50	97	35	<.10	19
SEP 30...	39	13	1.6	98	3.4	72	110	52	.11	18

< 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 1998 TO SEPTEMBER 1999

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, 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)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)		
NOV 23...	131	109	<.01	.07	.10	.65	.07	.03	198	120		
JAN 25...	88	70	<.01	.05	.07	.59	.05	.02	167	33		
MAR 30...	95	77	<.01	.06	.11	.72	.07	.03	251	56		
MAY 18...	216	195	<.01	.24	.21	1.2	.12	E.06	190	160		
AUG 04...	297	274	<.01	.55	.08	.81	.10	.07	155	180		
SEP 30...	381	340	E.01	.56	.07	.48	.11	E.10	264	120		
DATE	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	ACE- NAPHTH- YLENE TOTAL (UG/L) (34200)	ACE- NAPHTH- YLENE BOT.MAT (UG/KG) (34203)	ACE- NAPHTH- ENE TOTAL (UG/L) (34205)	ACE- NAPHTH- ENE BOT.MAT (UG/KG) (34208)	ANTHRA- CENE TOTAL (UG/L) (34220)	ANTHRA- CENE BOT.MAT (UG/KG) (34223)	BENZO B FLUOR- AN- THENE TOTAL (UG/L) (34230)	BENZO B FLUOR- AN- THENE BOT.MAT (UG/KG) (34233)	BENZO K FLUOR- AN- THENE TOTAL (UG/L) (34242)	BENZO K FLUOR- AN- THENE BOT.MAT (UG/KG) (34245)	BENZO- A- PYRENE TOTAL (UG/L) (34247)
NOV 23...	13	<5	<200	<5	<200	E.2	<200	<10	<400	<10	<400	<10
DATE	BENZO- A- PYRENE BOT.MAT (UG/KG) (34250)	BIS(2- CHLORO- ETHYL) ETHER UNFLTRD RECOVER (UG/L) (34273)	BIS(2- CHLORO- ETHYL) ETHER BOT.MAT (UG/KG) (34276)	BIS(2- CHLORO- ETHOXY) METHANE TOTAL (UG/L) (34278)	BIS(2- CHLORO- ETHOXY) METHANE BOT.MAT (UG/KG) (34281)	BIS(2- CHLORO- ISO- PROPYL) ETHER TOTAL (UG/L) (34283)	BIS(2- CHLORO- ISO- PROPYL) ETHER BOT.MAT (UG/KG) (34286)	N-BUTYL BENZYL PHTHAL- ATE TOTAL (UG/L) (34292)	N-BUTYL BENZYL PHTHAL- ATE BOT.MAT (UG/KG) (34295)	CHRY- SENE TOTAL (UG/L) (34320)	CHRY- SENE BOT.MAT (UG/KG) (34323)	DIETHYL PHTHAL- ATE TOTAL (UG/L) (34336)
NOV 23...	<400	<5	<200	<5	<200	<5	<200	<5	<200	<10	<400	<5
DATE	DIETHYL PHTHAL- ATE BOT.MAT (UG/KG) (34339)	DI- METHYL PHTHAL- ATE TOTAL (UG/L) (34341)	DI- METHYL PHTHAL- ATE BOT.MAT (UG/KG) (34344)	FLUOR- ANTHENE TOTAL (UG/L) (34376)	FLUOR- ANTHENE BOT.MAT (UG/KG) (34379)	FLUOR- ENE TOTAL (UG/L) (34381)	FLUOR- ENE BOT.MAT (UG/KG) (34384)	CYCLOPE NTADIEN HEXA- CHLORO- UNFLTRD RECOVER (UG/L) (34386)	HEXA- CHLORO- CYCLO- PENT- ADIENE BOT.MAT (UG/KG) (34389)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	HEXA- CHLORO- ETHANE BOT.MAT (UG/KG) (34399)	
NOV 23...	<200	<5	<200	<5	<200	<5	<200	<20	<800	<5	<200	
DATE	INDENO (1,2,3- CD) PYRENE TOTAL (UG/L) (34403)	INDENO (1,2,3- CD) PYRENE BOT.MAT (UG/KG) (34406)	ISO- PHORONE TOTAL (UG/L) (34408)	ISO- PHORONE BOT.MAT (UG/KG) (34411)	N- NITRO- SODI-N- PROPYL- AMINE TOTAL (UG/L) (34428)	N- NITRO- SODI-N- PROPYL- AMINE BOT.MAT (UG/KG) (34431)	N-NITRO -SODI- PHENYL- AMINE TOTAL (UG/L) (34433)	N-NITRO -SODI- PHENYL- AMINE BOT.MAT (UG/KG) (34436)	N-NITRO -SODI- METHYL- AMINE TOTAL (UG/L) (34438)	N-NITRO -SODI- METHYL- AMINE BOT.MAT (UG/KG) (34441)	NAPHTH- ALENE BOT.MAT (UG/KG) (34445)	
NOV 23...	<10	<400	<5	<200	<5	<200	<5	<200	<5	<200	<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 1998 TO SEPTEMBER 1999

DATE	BENZENE NITRO- WATER UNFLTRD RECOVER (UG/L) (34447)	NITRO- BENZENE BOT.MAT (UG/KG) (34450)	PARA- CHLORO- META CRESOL TOTAL (UG/L) (34452)	PARA- CHLORO- META CRESOL BOT.MAT (UG/KG) (34455)	PHENAN- THRENE TOTAL (UG/L) (34461)	PHENAN- THRENE BOT.MAT (UG/KG) (34464)	PYRENE TOTAL (UG/L) (34469)	PYRENE BOT.MAT (UG/KG) (34472)	BENZO- [GHI]- PERY- LENE TOTAL (UG/L) (34521)	BENZOGH IPERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG) (34524)	BENZ(A) ANTHRA- CENE WATER UNFLTRD REC (UG/L) (34526)
NOV 23...	<5	<200	<30	<600	<5	<200	<5	<200	<10	<400	<10
DATE	BENZO A ANTHRAC- ENE1,2- BENZANT HRACENE BOT.MAT (UG/KG) (34529)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	1,2-DI- CHLORO- BENZENE BOT.MAT (UG/KG) (34539)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	1,2,4- TRI- CHLORO- BENZENE BOT.MAT (UG/KG) (34554)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L) (34556)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG) (34559)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	1,3-DI- CHLORO- BENZENE BOT.MAT (UG/KG) (34569)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,4-DI- CHLORO- BENZENE BOT.MAT (UG/KG) (34574)
NOV 23...	<400	<5	<200	<5	<200	<10	<400	<5	<200	<5	<200
DATE	2- CHLORO- NAPH- THALENE TOTAL (UG/L) (34581)	2- CHLORO- NAPH- THALENE BOT.MAT (UG/KG) (34584)	2- CHLORO- PHENOL TOTAL (UG/L) (34586)	2- CHLORO- PHENOL BOT.MAT (UG/KG) (34589)	2- NITRO- PHENOL TOTAL (UG/L) (34591)	2- NITRO- PHENOL BOT.MAT (UG/KG) (34594)	DI-N- OCTYL PHTHAL- ATE TOTAL (UG/L) (34596)	DI-N- OCTYL PHTHAL- ATE BOT.MAT (UG/KG) (34599)	2,4-DI- CHLORO- PHENOL TOTAL (UG/L) (34601)	2,4-DI- CHLORO- PHENOL BOT.MAT (UG/KG) (34604)	2,4-DI- METHYL- PHENOL TOTAL (UG/L) (34606)
NOV 23...	<5	<200	<5	<200	<5	<200	<10	<400	E.2	<200	<5
DATE	2,4-DP, IN BOTTOM MAT. (UG/KG) (34609)	2,4-DI- NITRO- TOLUENE TOTAL (UG/L) (34611)	2,4-DI- NITRO- TOLUENE BOT.MAT (UG/KG) (34614)	2,4- DI- NITRO- PHENOL TOTAL (UG/L) (34616)	2,4- DI- NITRO- PHENOL BOT.MAT (UG/KG) (34619)	2,4,6- TRI- CHLORO- PHENOL TOTAL (UG/L) (34621)	2,4,6- TRI- CHLORO- PHENOL BOT.MAT (UG/KG) (34624)	2,6-DI- NITRO- TOLUENE TOTAL (UG/L) (34626)	2,6-DI- NITRO- TOLUENE BOT.MAT (UG/KG) (34629)	3,3'- DI- CHLORO- BENZ- DINE TOTAL (UG/L) (34631)	4- BROMO- PHENYL ETHER TOTAL (UG/L) (34636)
NOV 23...	<200	<5	<200	<20	<600	E.4	<600	<5	<200	<20	<5
DATE	4- BROMO- PHENYL ETHER BOT.MAT (UG/KG) (34639)	4- CHLORO- PHENYL ETHER TOTAL (UG/L) (34641)	4- CHLORO- PHENYL ETHER BOT.MAT (UG/KG) (34644)	4- NITRO- PHENOL TOTAL (UG/L) (34646)	4- NITRO- PHENOL BOT.MAT (UG/KG) (34649)	4,6- DINITRO- -ORTHO- CRESOL TOTAL (UG/L) (34657)	4,6- DINITRO- -ORTHO- CRESOL BOT.MAT (UG/KG) (34660)	PHENOL (C6H- 5OH) TOTAL (UG/L) (34694)	PHENOL (C6H- 5OH) BOT.MAT (UG/KG) (34695)	NAPHTH- ALENE TOTAL (UG/L) (34696)	PENTA- CHLORO- PHENOL TOTAL (UG/L) (39032)
NOV 23...	<200	<5	<200	<30	<600	<30	<600	<5	<200	<5	<30
DATE	PENTA- CHLORO- PHENOL BOT.MAT (UG/KG) (39061)	BIS(2- ETHYL HEXYL) PHTHAL- ATE TOTAL (UG/L) (39100)	BIS(2- ETHYL HEXYL) PHTHAL- ATE BOT.MAT (UG/KG) (39102)	DI-N- BUTYL PHTHAL- ATE TOTAL (UG/L) (39110)	DI-N- BUTYL PHTHAL- ATE BOT.MAT (UG/KG) (39112)	BENZI- DINE TOTAL (UG/L) (39120)	HEXA- CHLORO- BENZENE TOTAL (UG/L) (39700)	HEXA- CHLORO- BENZENE TOT. IN BOTTOM MATL. (UG/KG) (39701)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	HEXA- CHLORO- BUT- ADIENE BOT.MAT (UG/KG) (39705)	1,2-DI- PHENYL- HYDRA- ZINE WATER TOT.REC (UG/L) (82626)
NOV 23...	<600	<5	<200	<5	<200	<40	<5	<200	<5	<200	<5

< 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 on 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.--Oct 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 (station 08017400), capacity 936,200 acre-ft, and three additional upstream reservoirs. Additional regulation since Oct 1966 by Toledo Bend Reservoir (station 08018800), capacity 4,477,000 acre-ft, 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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5020	1180	10900	16100	51600	15900	11800	1930	2640	5710	3120	5760
2	2750	1060	11000	18300	82200	16200	9990	1760	4440	6090	1390	5940
3	1090	1430	11200	22600	90500	16600	9490	1690	5880	6030	3840	5940
4	1090	1440	11300	21700	82200	16600	19800	4100	5910	3290	5700	6140
5	1190	1110	11700	20400	68600	16300	29400	6130	5850	1620	5790	3220
6	1110	1250	12100	19000	55600	12600	23400	6130	3280	1750	5830	1340
7	1630	1060	12000	17400	43300	9430	19200	6060	1570	4540	5830	1090
8	1800	1290	9440	18700	34200	8920	20100	6170	3860	6390	3030	3700
9	1270	1160	8090	20700	30000	7000	21000	3510	5570	6780	1300	5900
10	1070	1410	7930	21200	27000	3220	18500	1670	5680	6480	3790	6030
11	969	1730	10300	20800	23700	2360	16900	4350	5780	3590	5650	5950
12	904	1420	23100	18300	22200	2550	16300	6510	6350	2030	5720	2980
13	853	2790	24500	17000	20700	6560	16000	6840	5320	5260	5790	1130
14	819	14300	19900	16500	18100	17000	15900	6510	4230	7020	5840	1280
15	945	20100	19600	16300	17000	13000	16900	6250	4980	6640	3020	1750
16	1100	21500	18800	16000	16700	12300	17400	3450	6130	6550	1230	1930
17	1120	15900	17100	15800	16600	11500	16600	1730	6010	6700	3720	1970
18	1240	12500	16800	15600	16600	10600	16000	3940	5940	3970	5640	1750
19	990	12800	16600	15400	16500	10100	15700	5770	5840	2770	5770	1290
20	1060	12200	16100	15300	16400	13200	14600	5540	3270	4970	5830	787
21	1040	9950	15600	15300	16400	15600	7460	4300	1600	6440	5850	1090
22	921	9090	15100	15400	16300	15800	3060	5000	3710	6460	2990	1620
23	847	8710	15400	16700	16200	15900	2440	3160	5470	6540	1230	1590
24	810	8410	15900	16800	16200	15900	2260	1460	5740	6370	3710	1640
25	781	10400	15800	16500	16100	16100	2140	2250	5460	3620	6940	1750
26	758	11400	15500	16000	16000	17000	2080	4470	6920	2270	7520	1340
27	738	11400	15500	15700	16000	17000	2230	5860	5080	4300	6030	744
28	725	11400	16500	15500	16000	16500	2300	6170	3000	5980	5980	1050
29	854	11300	17700	16300	---	16200	3200	6850	4460	6200	3060	1730
30	1020	10900	17100	24500	---	16800	3010	4320	5760	6140	1230	1810
31	990	---	16500	34000	---	16300	---	2030	---	5950	3700	---
TOTAL	37504	230590	465060	565800	878900	401040	375160	135910	145730	158450	136070	80241
MEAN	1210	7686	15000	18250	31390	12940	12510	4384	4858	5111	4389	2675
MAX	5020	21500	24500	34000	90500	17000	29400	6850	6920	7020	7520	6140
MIN	725	1060	7930	15300	16000	2360	2080	1460	1570	1620	1230	744
AC-FT	74390	457400	922400	1122000	1743000	795500	744100	269600	289100	314300	269900	159200

SABINE RIVER MAIN STEM

08028500 SABINE RIVER NEAR BON WIER, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1999z, BY WATER YEAR (WY)

MEAN	1690	2785	7000	10240	11520	11660	9656	9064	6341	4766	3363	3158
MAX	7315	13250	21420	30930	31390	30030	27370	31210	26340	31490	7288	8247
(WY)	1992	1995	1983	1974	1999	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 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1960 - 1999z		
ANNUAL TOTAL	3443260			3610455					
ANNUAL MEAN	9434			9892			6749		
HIGHEST ANNUAL MEAN							12670		
LOWEST ANNUAL MEAN							1172		
HIGHEST DAILY MEAN	31000	Jan	8	90500	Feb	3	98000	Jul	4 1989
LOWEST DAILY MEAN	678	Sep	8	725	Oct	28	134	Nov	9 1966
ANNUAL SEVEN-DAY MINIMUM	788	Oct	23	788	Oct	23	142	Nov	3 1966
INSTANTANEOUS PEAK FLOW				92600	Feb	3	98200	Jul	4 1989
INSTANTANEOUS PEAK STAGE				37.58	Feb	3	37.90	Jul	4 1989
ANNUAL RUNOFF (AC-FT)	6830000			7161000			4890000		
10 PERCENT EXCEEDS	22900			18600			17000		
50 PERCENT EXCEEDS	5880			6130			3590		
90 PERCENT EXCEEDS	1030			1210			695		

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, on 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.--Oct 1924 to current year. Water-quality records.--Chemical data: Sep 1945 to Sep 1946, Oct 1947 to Sep 1998. Biochemical data: Feb 1968 to Sep 1998. Radiochemical data: Oct 1969 to Sep 1995. Pesticide data: Jan 1968 to May 1982. Sediment data: Oct 1974 to Sep 1995.

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 (capacity 936,200 acre-ft) and three additional upstream reservoirs. Additional regulation since Oct 1966, by Toledo Bend Reservoir (capacity 4,477,000 acre-ft) 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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4290	1480	12700	19100	20400	15500	16200	3870	6470	9210	6090	2670
2	5310	1690	12700	19900	30500	15400	16000	3290	4970	7730	5730	4480
3	5500	1770	12600	20100	48600	15200	15200	2610	4640	6780	3610	5770
4	3630	2240	12500	20800	72000	15000	15600	2290	5530	6530	2710	6270
5	2200	2570	12400	24500	88500	15300	17500	2730	6130	6090	3970	6520
6	1970	2140	12400	27700	90600	15400	21600	4640	6400	4570	5110	6310
7	2190	1890	12600	28500	81100	e15200	35300	5780	6170	3750	5680	4070
8	2380	1700	12900	26700	67100	e14500	32800	6240	4280	4120	5960	2080
9	2810	1810	13000	24300	53500	e13200	25800	6440	3160	5480	5650	2170
10	2570	1880	13100	22200	40800	e11800	21200	6380	4690	6290	3400	4390
11	2030	2120	13200	21900	33200	9910	18900	5020	5680	6830	2530	5710
12	1720	2410	14300	22500	28100	7640	17700	4230	6120	6770	3980	6240
13	1560	2470	16100	22900	24400	6510	16700	5980	6400	5420	5200	6040
14	1450	3700	24000	22700	22000	8040	15800	7080	6740	4700	5750	3760
15	1380	7520	39700	20900	20100	10700	15300	7670	6740	6050	6030	1900
16	1340	11600	35500	19600	18500	13800	14900	7810	6320	7260	5720	1850
17	1510	17700	28900	18800	17600	16100	14800	7330	6430	7640	3380	2020
18	2450	28300	24900	18100	16900	16200	15200	5450	6810	7630	2450	2220
19	10400	27400	22100	17700	16400	14800	15700	3760	6980	7350	4030	2120
20	12700	22800	19900	17400	16100	13300	15400	4870	6950	5910	5320	1910
21	10500	18900	18700	17100	15800	12400	14800	5750	6500	4610	5900	1430
22	8430	16500	18300	17000	15400	12100	14300	5910	4530	5200	6200	1190
23	6730	14800	17800	16700	15300	12700	12500	5520	3270	5960	5890	1530
24	4660	13300	17500	16600	15200	13400	9210	5280	4700	6390	3480	1750
25	2960	12200	17200	17000	15100	14000	6170	3580	5880	6580	2470	1770
26	2140	11500	16900	17500	15100	14300	4180	2380	7250	6290	4310	1830
27	1750	11200	17000	17700	15200	14500	3340	3300	9000	4610	6110	1850
28	1570	11500	17900	17500	15300	14700	3140	4980	11000	3500	6840	1420
29	1460	12000	18000	17700	---	15300	3230	6080	12200	4340	6920	1200
30	1400	12400	18000	18200	---	16300	3340	6720	11100	5300	6410	1570
31	1520	---	18400	18500	---	16300	---	7210	---	5860	3870	---
TOTAL	112510	279490	561200	627800	928800	419500	451810	160180	193040	184750	150700	94040
MEAN	3629	9316	18100	20250	33170	13530	15060	5167	6435	5960	4861	3135
MAX	12700	28300	39700	28500	90600	16300	35300	7810	12200	9210	6920	6520
MIN	1340	1480	12400	16600	15100	6510	3140	2290	3160	3500	2450	1190
AC-FT	223200	554400	1113000	1245000	1842000	832100	896200	317700	382900	366500	298900	186500

SABINE RIVER MAIN STEM

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1999, BY WATER YEAR (WY)

MEAN	2427	3566	8508	12380	13360	13470	11420	10170	7733	5763	3934	3900
MAX	9591	14910	22070	35570	33170	35780	33240	32980	26240	42320	7982	12530
(WY)	1995	1995	1983	1961	1999	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 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1960 - 1999	
ANNUAL TOTAL	4107850		4163820			
ANNUAL MEAN	11250		11410		8027	
HIGHEST ANNUAL MEAN					14210	
LOWEST ANNUAL MEAN					1959	
HIGHEST DAILY MEAN	50500		90600		108000	
LOWEST DAILY MEAN	1340		1190		278	
ANNUAL SEVEN-DAY MINIMUM	1550		1550		282	
INSTANTANEOUS PEAK FLOW			92800		109000	
INSTANTANEOUS PEAK STAGE			28.18		29.15	
ANNUAL RUNOFF (AC-FT)	8148000		8259000		5815000	
10 PERCENT EXCEEDS	25100		21400		18800	
50 PERCENT EXCEEDS	6450		6920		4710	
90 PERCENT EXCEEDS	1920		2120		1160	

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 1999

Station name and number	Location and drainage area	Period of record	Water year 1999 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 .	1966-99	1-29-99	43.90	3,120	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 .	1966-99	1-29-99	>14.16	>12,800	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, 1974-99	1-29-99	45.53	2,230	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, 1979-99	1-30-99	13.69	13,900	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 .	1966-99	1-30-99	23.34	4,680	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 .	1966-99	4-05-99	45.68	5,040	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 .	1966-99	1-30-99	8.31	270	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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 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 .	1966-99	1-30-99	46.46	13,900	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 mi east of Eros. Drainage area is 8.76 mi ² .	1968-99	1-30-99	12.26	1,470	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 .	1984-99	1-30-99	39.62	5,990	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, 1974-99	1-30-99	13.84	15,500	12-28-82 4-23-95	13.93 13.82	17,200 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 .	1965-99	1-30-99	46.91	11,300	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 1978-99	12-12-98	11.02	5,800	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 , 1995-99	1-31-99	^b 37.58	(*)	4-22-79	46.83	(*)
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 .	1966-99	1999	(c)	(*)	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 .	1966-99	1-30-99	11.98	4,640	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, 1993-99	3-15-99	30.47	(*)	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 .	1976-99	3-15-99	88.91	3,280	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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 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 .	1995-99	3-15-99	89.61	(*)	12-18-95	90.29	(*)
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 , 1995-99	3-14-99	^b 63.85	(*)	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 1993-99	3-15-99	44.36	31,700	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 , 1993-99	3-15-99	^b 43.30	(*)	4-07-83	56.42	(*)
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 1995-99	1999	^b <42.70	(*)	4-07-83	56.20	(*)
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 .	1972-99	9-07-99 3-13-99	52.34 51.66	(*)	9-07-99	52.34	(*)
Jones Creek at Goodwood Blvd., at Baton Rouge, La. (07378620)	Lat 30°26'45", long 91°05'59", East Baton Rouge Parish, at bridge 1.4 miles from intersection with Airline Highway. Drainage area is not determined.	1998-99	10-06-98 1-29-99 3-13-99 8-09-99	(c) 34.93 32.79 (c)	(*)	1-29-99	34.93	(*)
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 , 1996-99†	10-06-98 1-29-99 3-13-99 8-09-99	23.31 26.31 24.15 31.80	(c) 607 (c) 1,910	6-18-99	34.44	3,310
Jones Creek at Woodland Ridge Blvd., nr Baton Rouge, La. (07378655)	Lat 30°25'22", long 91°02'12", East Baton Rouge Parish, at bridge 1.0 miles from intersection with S. Harrells Ferry Road. Drainage area is not determined.	1999	10-06-98 1-29-99 3-16-99 8-09-99	(c) 20.02 23.15 27.21	(*)	8-09-99	27.21	(*)
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 , 1993-99	10-06-98 ^c 1-29-99 3-16-99 8-09-99	23.12 19.32 23.40 19.09	(*)	4-23-77	32.00	(*)

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 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								
Jones Creek at Woodlake Dr., near Baton Rouge, La. (07378705)	Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Woodlake Dr., 400 yds from bridge on Jones Creek. Drainage area is not determined.	1999	10-06-98 1-29-99 3-16-99 8-09-99	(c) 17.03 19.23 8.33	(*)	3-16-99	19.23	(*)
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 , 1993-99	10-03-95 1-26-96 3-06-96 6-18-97 1-06-98 1-29-99	^d 22.91 ^d 20.93 ^d 20.13 ^d 26.48 ^d 24.09 19.79	(*) (*) (*) (*) (*) (*)	5-06-89	29.99	(*)
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 , 1993-99	8-09-99	37.91	(*)			
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.	1995-99	12-18-95 4-11-95 6-18-97 9-12-98 8-09-99	^d 32.30 ^d 36.86 ^d 35.33 ^d 33.40 33.22	(*) (*) (*) (*) (*)	4-11-95	36.86	(*)
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 , 1996-99	8-09-99	25.72	(*)	6-28-89	32.14	(*)
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 .	1964-99	1-09-99	47.40	(*)	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 .	1966-99	12-12-98	8.13	272	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, 1975-99	4-06-99	20.67	1,810	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, 1974-99	1-29-99	14.67	9,020	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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 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 .	1967-99	11-15-98	9.02	1,410	2-13-84	12.78	3,300

† Operated as a continuous-record gaging station.

* Discharge not determined.

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 1999

Station name and number	Location and drainage area	Period of record	Water year 1999 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, 1973-99	3-14-99	102.02	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 .	1998-99	1999	(b)	1-07-98	^a 26.98
Gum Bayou at Davis Landing Road 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.	1998-99	3-18-99	7.62	1-07-98	^a 8.87
Pearl River at Crawford's Landing near Slidell, La. (024926495)	Lat 30°18'10", long 89°42'24", St. Tammany Parish, at pier at landing, approximately 0.75 miles on Crawford Road from intersection with N. Military Road in Slidell. Drainage area is not determined.	1999†, ^c	3-18-99	^{a, l} 7.04	3-18-99	7.04
W-15 Canal at St. Hwy. 11 nr Slidell, La. (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.	1998-99	1999	<25.17		
Poor Boy Canal at Military Road at Slidell, La. (02492662)	Lat 30°18'51", long 89°43'52", St. Tammany Parish, at bridge 0.2 miles north of junction with Brownswitch Road. Drainage area is not determined.	1998-99	1998	(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.	1998-99	8-09-99	^a 7.74	1-07-98	^a 11.04
W-15 Canal at I-10 Service Road at Slidell, La. (02492665)	Lat 30°17'31", long 89°43'48", St. Tammany Parish, at bridge approximately 0.5 miles north of intersection with Gause Blvd.	1999	1999	^{a, k} <21.36		
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 .	1999†, ^c	4-05-99	^d 16.18	4-05-99	^d 16.18
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† 1999†, ^c	4-05-99	184.97	6-27-86	186.32

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
RED RIVER BASIN--Continued						
Shettleworth Bayou near Blanchard, La. (07344460)	Lat 32°34'00", long 93°56'25", Caddo Parish, at bridge on Blanchard-Furrh road, 3.1 miles west of Blanchard, La. Drainage area 19.5 mi ² .	1999†, ^c	4-05-99	^d 14.30	4-05-99	^d 14.30
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.	1963-99	4-05-99	157.28	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 .	1960-99	4-05-99	182.01	5-08-78	188.99
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 .	1960-99	4-05-99	163.74	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†, 1986-99†, ^c	2-1-99	113.05	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, 1990-99	12-12-98	79.02	1979	81.91
Bayou Bartholomew northwest of Jones, La. (07364203)	Lat 32°58'55", long 91°42'00", More- house Parish, on right bank, 3.2 mi northwest of Jones. Drainage area is approximately 1,190 mi ² .	1973-85†, 1986-99†, ^c	2-12-99	104.56	5-05-91	107.56
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 .	1979-99†	2-11-99	74.86	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 .	1978-99	2-1-99	75.60	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.	1978-99	1-31-99	38.98	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†, 1986-99†, ^c	2-01-99	65.71	5-04-91	66.24

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
RED RIVER BASIN--Continued						
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.	1978-99	2-01-99	66.83	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.	1978-99	2-01-99	63.91	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†, 1986-99†, ^c	2-4-99	62.41	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†, 1986-99†, ^c	2-1-99	71.75	5-05-91	74.42
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†, ^c , 1948-57†, ^c , 1958-73†, ^c , 1974-85†, 1986-99†, ^c	2-1-99	70.61	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 , 1988-99	1999	(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†, 1995-99	1999	<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.	1975-99	1-31-99 3-15-99	52.68 56.25	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 1998-99†, ^c	8-10-99	^a 8.20	1-07-98	^a 12.98
W-14 Canal at Brownswitch Road at Slidell, La. (07374571)	Lat 30°18'39", long 89°46'04", St. Tammany Parish, at bridge approximately 2.6 miles WNW of Slidell City Hall. Drainage area is indeterminate.	1998-99	1999	a<13.78	1-07-98	^a 16.58

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
W-14 Canal at Daney St. at Slidell, La. (07374572)	Lat 30°16'12", long 89°46'13", St. Tammany Parish, at bridge approximately 0.8 miles due west of the intersection of I-10 and U.S. Highway 190 Business Route. Drainage area is not determined.	1998-99	1-07-98 8-10-99	ⁱ 7.59 4.05	1-07-98	ⁱ 7.59
Vincent Creek at Infantry Road at Slidell, La. (07374574)	Lat 30°18'50", long 89°46'44", St. Tammany Parish, at bridge, 0.56 miles east of intersection of Infantry Road and main entrance road for Camp Villere. Drainage area is not determined.	1998-99	4-28-98 3-13-99	^{a,k} 13.34 ^a 10.84	4-28-98	^a 13.34
Vincent Creek at Jackson Road at Slidell, La. (07374575)	Lat 30°17'43", long 89°47'28", St. Tammany Parish, at bridge, 0.1 miles east of junction with N. Harrison Road. Drainage area is not determined.	1998-99	9-11-98 5-30-99	^{a,m} 6.40 ^a 5.86	9-11-98	^a 6.40
Bayou Vincent at Browns Village Road at Slidell, (07374576)	Lat 30°18'49", long 89°46'44", St. Tammany Parish, at bridge, 0.6 miles west of intersection with State Hwy. 11. Drainage area is not determined.	1998-99	3-08-98 1999	^a 14.53 ^a <11.06	3-08-98	^a 14.53
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.	1998-99	1999	^a <3.31	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.	1998-99	3-13-99	^a 6.85	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.	1998-99	1999	^a <16.93	3-08-98	^a 19.00
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.	1998-99	1999	(b)	1-07-98	^a 10.08
Tchefuncta River at St. Hwy 21 nr Covington, La. (07375060)	Lat 30°27'50", long 90°07'04", St. Tammany Parish, at bridge on State Highway 21, 0.7 miles north of I-12. Drainage area is not determined.	1998-99	3-08-98 1999	9.27 <4.87	3-08-98	9.27
Bogue Falaya at Folsom, La. (07375085)	Lat 30°37'42", long 90°10'16", St. Tammany Parish, at bridge on State Highway 40, and 1.0 miles east of Folsom. Drainage area is indeterminate.	1999	1-30-99	88.74	1-30-99	88.74
Bogue Falaya at Lee Road at Covington, La. (07375170)	Lat 30°29'58", long 90°05'04", Covington-St. Tammany Parish, at bridge, 1.19 miles east of intersection with U.S. Hwy. 190. Drainage area is not determined.	1998-99	3-08-98 3-14-99	^a 21.42 ^a 12.78	3-08-98	^a 21.42

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Abita River at Keen Road near Abita Springs, La. (07375218)	Lat 30°29'53", long 89°58'40", St. Tammany Parish, at bridge on Keen Road, 0.2 miles from its intersection with State Highway 435. Drainage area is not determined.	1997-99	3-08-98 3-14-99	^{a,k} 36.20 ^a 33.91	3-08-98	^a 36.20
Abita River at U.S. Hwy. 190 nr Covington, La. (07375223)	Lat 30°27'36", long 90°04'57", St. Tammany Parish, at bridge 1.96 miles north of intersection with I-12 at Covington. Drainage area is not determined	1997-99	3-8-98 1999	^a 11.74 ^a <6.69	3-08-98	^{a,j} 11.74
Ponchitolawa Creek at St. Hwy. 190 near Mandeville, La. (07375227)	Lat 30°25'26", long 90°05'07", St. Tammany Parish, at bridge on service road near southbound lane of Hwy. 190 and approximately 0.14 miles north of intersection with Fairway Dr. Drainage area is not determined.	1998-99	3-08-98 3-14-99	^a 7.06 ^a 2.65	3-08-98	^a 7.06
Bayou Tete L'ours nr Mandeville, La. (07375228)	Lat 30°24'16", long 90°04'07", St. Tammany Parish, at bridge on Evangeline Dr., 2.3 miles northwest of Mandeville City Hall. Drainage area is not determined.	1998-99	7-24-99	9.20	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 ^g 1998-99	3-14-99	111.57	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.	1995-99	3-14-99	72.50	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.	1982-99†	3-15-99	54.61	1-26-90	62.20
Comite River near Zachary, La. (07377750)	Lat 30°38'36", long 91°05'40", East Baton Rouge Parish, at bridge on State Highway 64, about 4.0 miles east of Zachary. Drainage area is not determined.	1999	3-14-99	74.87	3-14-99	74.87
Comite River near Baker, La. (07377754)	Lat 30°35'46", long 91°05'39", East Baton Rouge Parish, at bridge on Dyer Road, 3 miles northeast of Baker. Drainage area is not determined.	1999	3-14-99	61.53	3-14-99	61.53
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 ^g , 1988-99	5-11-99	73.43	12-24-71	79.48

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
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, 1997-99†, c	10-06-98, 3-13-99	78.44, 84.73	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.	1962-99	10-06-98, 3-13-99	67.02, <61.29	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†, 1986-87g, 1988-99	10-6-99, 3-13-99	dg.10, d<6.88	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, 1971-99	1999	<65.22	4-17-67	69.56
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, 1967-99	3-15-99	49.91	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.	1975-99	3-15-99	72.91	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.	1967-99	1999	<42.14	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.	1962-99	3-15-99	38.41	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.	1967-99	1-29-99	47.47	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.	1962-99	1-29-99, 3-15-99	36.15, <32.44	4-07-83	51.10

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
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 9.4 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1981-88†, 1989-99†, ^c	3-14-99	35.92	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.	1972-99	1-12-98 3-13-99 9-07-99	ⁱ 70.34 69.16 64.39	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†, 1997-99†, ^c	3-13-99 9-07-99	59.28 57.54	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 ^h				
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.	1967-99	10-06-98 1-29-99 3-13-99 8-09-99	45.47 45.43 <43.57 45.34	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.	1962-99	10-06-98 1-29-99 3-13-99 8-09-99	<38.68 <38.68 <38.68 <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.	1967-99	10-06-98 8-09-99	<36.99 38.60	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.	1967-99	10-06-98 8-09-99	36.53 36.79	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.	1967-99	10-06-98 8-09-99	35.17 34.16	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.	1967-99	10-06-98 1-29-99	38.77 <37.03	3-25-76	43.71

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
Weiner Creek at S. Sherwood Forest Blvd., at Baton Rouge, La. (07378675)	Lat 30°25'11", long 91°03'05", East Baton Rouge Parish, at bridge 0.1 miles from Newcastle Drive. Drainage area is not determined.	1999	10-06-98 1-29-99	b 34.26	1-29-99	34.26
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.	1967-99	10-06-98 3-15-99	25.70 <21.75	4-13-69	29.98
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 ^g 1999	10-06-98 3-16-99	7.20 17.63	4-30-97	20.71
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.	1967-99	10-06-98 3-15-99	14.64 17.61	6-28-89	26.26
Bluff Swamp nr Kleinpeter, La. (07378748)	Lat 30°19'24", long 90°01'05", Ascension Parish, at lock on Alligator Bayou Rd, 3.8 mi northwest of Prairieville Post Office. Drainage area is 6.60 mi ² . (Formerly published as 07380095 Bluff Swamp nr Prairieville.)	1998-99 ^{†,c}	1-28-98 6-26-99	^a 7.98 ^a 4.43	1-28-98	^a 7.98
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.	1962-99	1999	<17.30	10-04-64	19.43
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 ^g 1999	10-06-98 01-30-99	14.61 <11.71	7-01-89	17.58
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 ^h				
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 ^g 1999	10-06-98	5.44	6-18-97	14.91
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} , 1975-99 ^{†,c}	1-29-99	40.43	9-26-57	45.28

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
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.	1970-99	1-29-99	36.48	3-06-96	41.84
Ward Creek Diversion at Highland Road near Baton Rouge, La. (07379075)	Lat 30°21'18", long 91°00'54", East Baton Rouge Parish, on bridge 0.75 miles southeast of intersection with Airline Highway. Drainage area is not determined.	1999	8-09-99	^{j,d} 7.40	8-09-99	7.40
Dawson Creek at Perkins Road at Baton Rouge, La. (07379400)	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, at bridge, 4.1 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1962-99	1-29-99 6-26-99	^d 13.32 ^d 12.13	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 .	1971-99	1-29-99 8-18-99	23.93 22.12	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 .	1971-99†, ^c	1-29-99 8-18-99	22.09 19.46	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 .	1971-99	1-29-99 8-18-99	<13.57 15.59	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, 1971-99†, ^c	1-29-99	17.01	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 ^h				
Dawson Creek at Bluebonnet Blvd. near Baton Rouge, La. (07379960)	Lat 30°22'56", long 91°05'39", East Baton Rouge Parish, at bridge 0.25 mi north of Perkins Rd. Drainage area is not determined.	1995-98 ^g 1999	1-29-99 6-26-99	12.18 13.05	6-18-97	20.25
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 .	1999†, ^c	3-16-99	7.66	3-16-99	7.66

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 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.	1998-99	6-26-99	17.93	9-12-98	19.00
Muddy Creek nr Oak Grove, 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.	1998-99†, ^c	6-26-99	13.12	6-26-99	13.12
Grays Creek nr Port Vincent, La. (073801175)	Lat 30°24'39", long 90°54'52", Livingston Parish, at bridge on Hwy. 16, 1.0 mi from intersection of Hwy. 16 and Juban Rd. Drainage area is approximately 30 sq. mi.	1998-99†, ^c	9-12-98 10-7-98	24.76 19.79	9-12-98	24.76
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 1998-99	6-26-99	14.89	9-12-98	15.79
Middle Colyell Creek nr Walker, La. (07380160)	Lat 30°28'45", long 90°50'28", Livingston Parish, at bridge located on Black Mud Rd, 1.8 mi southeast of town of Walker. Drainage area is not determined.	1999†, ^c	9-07-99	26.52	9-07-99	26.52
West Colyell Creek nr Port Vincent, LA (07380185)	Lat 30°25'19", long 90°51'56", Livingston Parish, at bridge located on Joe May Rd., 0.8 mi from Hwy. 447 at Plainview Baptist Church. Drainage area is approximately 28 sq. mi.	1998-99†, ^c	9-12-98 10-07-98	^a 20.43 ^a 16.22	9-12-98	^a 20.43
Grand Goudine Bayou near Prairieville, La. (0738022292)	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.	1998-99	6-26-99	14.31	6-26-99	14.31
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.	1963-99	6-26-99	5.70	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.	1998-99	6-26-99	14.83	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.	1963-99	6-26-99	8.04	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.	1963-99	6-26-99	5.27	4-22-79	9.18

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
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.	1986-99†, ^c	6-26-99	7.63	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, 1990-99	1-30-99	68.73	12-27-82	71.09
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†, 1986-99†, ^c	3-16-99	27.84	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, 1990-99	1-30-99	75.57	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 1990-99	1-30-99	70.28	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, 1990-99	1-30-99	70.19	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, 1990-99	1-30-99	67.92	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†, 1986-99†, ^c	1-30-99	38.99	4-21-77	43.94

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 1999--Continued

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum	
			Date	Elevation in ft (sea level)	Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
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†, 1986-99†, ^c	1-08-99	20.39	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.	1985-99†, ^c	7-24-99	^a 8.30	5-27-27	24.30
Bayou Bourbeaux 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.	1999†, ^c	1999	(b)		
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†, 1986-99†, ^c	1-11-99	^a 8.27	8-14-40	18.50

< 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.

i Revised.

j Could have been higher during period of missing record.

k Maximum elevation, period Feb.-Sept.

l Maximum elevation, period Mar.-Sept.

m Maximum elevation, period May-Sept.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1999

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA						
Charenton Canal	Gulf of Mexico	Lat 29°49'23", long 91°32'26", St. Mary Parish, St. Hydrologic Unit 08080102, on railroad bridge at Baldwin.	---	1999	8-25-99	-2,290
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°45'34", long 91°40'00", St. Mary Parish, Hydrologic Unit 08080103, west of Jaws Bay.	---	1997-99	10-09-99	1,280
					4-23-99	4,330
					6-03-99	2,800
					7-16-99	3,090
					8-25-99	1,270
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°43'27", long 91°33'08", St. Mary Parish, Hydrologic Unit 08080102, east of Jaws Bay.	---	1997-99	10-09-98	4,540
					4-23-99	10,400
					6-03-99	8,430
					7-16-99	6,600
					8-25-99	3,560
Bayou Perot	Gulf of Mexico	Lat 29°41'03", long 90°10'30", Lafourche Parish, Hydrologic Unit 08090301, south of Lake Salvador and northwest of Lafitte, La.	---	1999	4-21-99	18,000
					6-01-99	18,400
					7-14-99	-12,000
					8-26-99	10,100
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°40'51", long 91°28'14", St. Mary Parish, Hydrologic Unit 08080102, at Bayou Sale bridge near Franklin, La.	---	1999	4-23-99	9,780
					6-03-99	11,200
					7-13-99	9,860
					8-25-99	3,310
Bayou Shaffer	Gulf of Mexico	Lat 29°40'42", long 91°11'55", St. Mary Parish, Hydrologic Unit 08080101, at Morgan City, La.	---	1998-99	4-22-99	25,700
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, La.	---	1997-99	4-22-99	14,400
					6-02-99	16,300
					7-15-99	13,200
					8-24-99	3,910
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 Calumet, La.	---	1997-99	10-08-98	2,050
					4-22-99	10,300
					6-03-99	11,400
					7-13-99	10,600
					8-25-99	3,900
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 Calumet, La.	---	1999	10-08-98	13,700
					4-22-99	7,040
					6-22-99	10,600
					7-13-99	9,560
					8-24-99	4,430
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°38'47", long 90°16'42", Lafourche Parish, Hydrologic Unit 08090301, 6 mi west of Bayou Perot.	---	1999	4-21-99	1,440
					6-01-99	1,050
					7-14-99	1,300
					8-26-99	709
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, La.	---	1997-99	10-06-98	-533
					4-20-99	8,600
					6-02-99	8,550
					7-15-99	7,280
					8-27-99	5,630
Pipeline Canal	Gulf of Mexico	Lat 29°37'11", long 90°60'00", Terrebonne Parish, Hydrologic Unit 08090302, east of Bay Wallace, near Amelia, La.	---	1999	4-29-99	*175 S
					6-10-99	*177 S
					7-28-99	*-122 N
					9-16-99	*85 S

See footnote at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued						
Hog Bayou	Gulf of Mexico	Lat 29°36'06", long 91°25'46", St. Mary Parish, Hydrologic Unit 08080101, Site #3, west of Wax Lake Outlet, north of Sites #1 and #2.	---	1999	4-22-99 6-04-99 7-13-99	2,760 1,520 671
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, La.	---	1997-99	10-07-98 4-21-99 6-01-99 7-14-99 8-26-99	-1,100 4,610 4,370 2,040 2,620
Hog Bayou	Gulf of Mexico	Lat 29°34'45", long 91°26'21", St. Mary Parish, Hydrologic Unit 08080101, Site #2, west of Wax Lake Outlet and south of Site #3 and north of Site #1.	---	1999	4-22-99 6-04-99 7-13-99 8-24-99	1,670 1,120 333 117
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, La.	---	1997-99	10-07-98 4-21-99 6-01-99 7-14-99 8-26-99	870 3,270 2,240 2,510 1,640
Hog Bayou	Gulf of Mexico	Lat 29°34'19", long 91°26'23", St. Mary Parish, Hydrologic Unit 08080101, Site #1, west of Wax Lake Outlet and south of Site #2.	---	1999	4-22-99 6-04-99 7-13-99 8-24-99	5,350 4,230 3,680 1,370
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, La.	---	1997-99	10-07-98 4-21-99 6-01-99 7-14-99 8-26-99	50 3,600 2,260 2,670 1,550
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, La.	---	1997-99	10-07-98 4-21-98 6-01-99 7-14-99 8-26-99	5,180 4,290 4,780 6,140 3,580
Bayou Copasaw	Gulf of Mexico	Lat 29°33'13", long 90°57'25", Terrebonne Parish, Hydrologic Unit 08090302, south of Gulf Intracoastal Waterway, near Amelia, La..	---	1999	4-28-99 6-08-99 7-28-99 9-16-99	*734 S *1,005 S *732 S *-63.8 N
Turtle Bayou	Gulf of Mexico	Lat 29°32'22", long 91°05'10", Terrebonne Parish, Hydrologic Unit 08090302, north of Bayou Penchant, near Amelia, La.	---	1999	4-29-99 6-10-99 7-29-99 9-16-99	*574 S *585 S *373 S *434 S
Minor's Canal	Gulf of Mexico	Lat 29°32'00", long 90°47'45", Terrebonne Parish, Hydrologic Unit 08090302, south of Gulf Intracoastal Waterway, near Houma, La.	---	1999	4-28-99 6-08-99 7-20-99 9-15-99	*667 S *686 S *560 S *130 S
Avoca Island Cutoff	Gulf of Mexico	Lat 29°31'59", long 91°14'26", Terrebonne Parish, Hydrologic Unit 08090302, south of Morgan City, La.	---	1995-99	10-06-98 4-20-99 6-02-99 7-15-99 8-27-99	2,000 17,100 30,000 13,600 267

See footnote at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued						
Partridge Bayou	Gulf of Mexico	Lat 29°31'58", long 91°06'34", Terrebonne Parish, Hydrologic Unit 08090302, west of Bayou Penchant, near Amelia, La.	---	1999	4-29-99	*99.8 E
					6-10-99	*102 E
					7-29-99	*120 E
					9-16-99	*-52.5 W
Bayou Pequant	Gulf of Mexico	Lat 29°31'00", long 91°00'35", Terrebonne Parish, Hydrologic Unit 08090302, north of Bayou Penchant, near Amelia, La.	---	1999	4-29-99	*355 S
					6-10-99	*238 S
					7-27-99	*58.9 S
					9-16-99	*84.4 S
Shell Island Pass	Gulf of Mexico	Lat 29°30'33", long 91°16'47", St. Mary Parish, Hydrologic Unit 08080101, at Lower Atchafalaya River.	---	1999	4-22-99	13,600
					6-02-99	15,400
					7-15-99	16,100
					8-27-99	7,240
Lower Atchafalaya River	Gulf of Mexico	Lat 29°30'16", long 91°16'14", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08090302, south of Shell Island Pass.	---	1999	6-02-99	88,300
					7-15-99	94,500
					8-27-99	46,900
Hutch Canal	Gulf of Mexico	Lat 29°30'14", long 90°56'29", Terrebonne Parish, Hydrologic Unit 08090302, east of Bayou Copasaw, near Amelia, La.	---	1999	4-28-99	*217 S
					6-08-99	*97.3 S
					7-28-99	*172 S
					9-16-99	*91.2 S
Carrion Crow Bayou	Gulf of Mexico	Lat 29°29'13", long 91°03'56", Terrebonne Parish, Hydrologic Unit 08090302, near Amelia, La.	---	1999	4-29-99	*3,820 S
					6-10-99	*3,860 S
					7-27-99	*2,880 S
Carrion Crow Bayou	Gulf of Mexico	Lat 29°28'52", long 91°03'48", Terrebonne Parish, Hydrologic Unit 08090302, at south- east split, near Amelia, La.	---	1999	4-29-99	*810SE
					6-10-99	*820SE
					7-27-99	*322SE
					9-16-99	*316SE
Bayou Penchant	Gulf of Mexico	Lat 29°28'48", long 90°58'09", Terrebonne Parish, Hydrologic Unit 08090302, near Theriot, La.	---	1999	4-28-99	*1,010 S
					6-10-99	*770 S
					7-27-99	*1,110 S
Carrion Crow Bayou	Gulf of Mexico	Lat 29°28'41", long 91°04'15", Terrebonne Parish, Hydrologic Unit 08090302, at south- west split, near Amelia, La.	---	1999	4-29-99	*2,800SW
					6-10-99	*3,004SW
					7-27-99	*2,300SW
					9-16-99	*1,600SW
Palmetto Bayou	Gulf of Mexico	Lat 29°26'23", long 91°13'07", Terrebonne Parish, Hydrologic Unit 08090302, at Atchafalaya Bay.	---	1999	4-30-99	*2,750 S
					6-11-99	*4,210 S
					7-27-99	*5,180 S
Minor's Canal	Gulf of Mexico	Lat 29°25'20", long 90°50'13", Terrebonne Parish, Hydrologic Unit 08090302, north of Lake DeCade, near Theriot, La.	---	1999	4-27-99	*-189 N
					6-08-99	*801 S
					7-20-99	*406 S
					9-15-99	*282 S
People's Weir	Gulf of Mexico	Lat 29°25'14", long 90°53'45", Terrebonne Parish, Hydrologic Unit 08090302, southeast of Penchant Lake, near Theriot, La.	---	1999	4-28-99	*35.2SE
					6-08-99	*33.9SE
					7-21-99	*26.1SE
					9-15-99	*17.6SE
Penchant Canal	Gulf of Mexico	Lat 29°25'08", long 90°57'02", Terrebonne Parish, Hydrologic Unit 08090302, southwest of Penchant Lake, near Theriot, La.	---	1999	4-28-99	*172SW
					6-09-99	*38.1SW
					7-21-99	*97SW
					9-15-99	*208SW

See footnote at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1999--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued						
Brady Canal	Gulf of Mexico	Lat 29°24'59", long 90°58'04", Terrebonne Parish, Hydrologic Unit 08090302, west of Penchant Canal, near Theriot, La.	---	1999	4-28-99	*164SW
					6-09-99	*134SW
					7-21-99	*116SW
					9-15-99	*85.6SW
Falgout Canal	Gulf of Mexico	Lat 29°24'58", long 90°49'48", Terrebonne Parish, Hydrologic Unit 08090302, east of Lake DeCade, near Theriot, La.	---	1999	4-27-99	*750 E
					6-08-99	*1,460 W
					7-20-99	*648 W
					9-15-99	*247 W
Canal south of Brady Canal	Gulf of Mexico	Lat 29°24'48", long 90°58'01", Terrebonne Parish, Hydrologic Unit 08090302, south of Penchant Canal, nr Theriot, La.	---	1999	4-28-99	*1,020 S
					6-09-99	*755 S
					7-21-99	*843 S
					9-15-99	*494 S
Bayou DeCade	Gulf of Mexico	Lat 29°22'48", long 90°54'20", Terrebonne Parish, Hydrologic Unit 08090302, at Lake DeCade, near Theriot, La.	---	1999	4-27-99	*1,870NE
					6-08-99	*670SW
					7-20-99	-495NE
Little Carencro Bayou	Gulf of Mexico	Lat 29°22'55", long 91°00'29", Terrebonne Parish, Hydrologic Unit 08090302, north of Brady Canal, near Theriot, La.	---	1999	4-27-99	*13.6 W
					6-09-99	*156 W
					9-15-99	*69.7 E
Bayou Carencro	Gulf of Mexico	Lat 29°22'01", long 91°04'53", Terrebonne Parish, Hydrologic Unit 08090302, south of Carencro Lake, near Four League Bay.	---	1999	4-27-99	*606NE
					6-09-99	*1,230NE
					7-20-99	*1,180SW
					9-15-99	*1,430SW
Voss Canal	Gulf of Mexico	Lat 29°21'45", long 90°59'38", Terrebonne Parish, Hydrologic Unit 08090302, north of Bayou DeCade, near Dulac, La.	---	1999	4-27-99	*33.4 N
					6-09-99	*205 S
					7-20-99	*199 N
					9-15-99	*775 S
Bayou Cheuvril	Gulf of Mexico	Lat 29°21'04", long 91°00'19", Terrebonne Parish, Hydrologic Unit 08090302, south of Bayou DeCade, near Dulac, La.	---	1999	4-27-99	*324 S
					6-09-99	*1,060 N
					7-20-99	*87.4 S
					9-15-99	*1,340 S

*Letter denotes direction of flow.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 LOWER MISSISSIPPI RIVER BASIN
 MISSISSIPPI RIVER MAIN STEM

310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 21...	1100	273000	154	114000	98
DEC 02...	1100	336000	157	142000	94
JAN 06...	1300	518000	362	506000	86
27...	1100	1150000	240	745000	76
FEB 10...	1230	674000	186	338000	72
MAR 10...	1200	984000	325	862000	75
31...	1100	1170000	374	1180000	78
APR 21...	0830	1090000	352	1030000	63
MAY 12...	1130	1180000	207	660000	67
JUL 07...	1130	983000	302	803000	79
AUG 11...	1100	612000	279	462000	90
25...	1100	495000	207	277000	91

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 LOWER MISSISSIPPI RIVER BASIN
 MISSISSIPPI RIVER MAIN STEM

310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 03...	1100	405000	305	330000	87
DEC 01...	1100	495000	259	346000	78
JAN 05...	1200	505000	484	660000	91
FEB 02...	1100	1080000	597	1750000	70
MAR 02...	1100	935000	253	639000	66
APR 13...	1100	723000	261	509000	69
20...	1030	692000	200	374000	71
MAY 18...	1100	999000	322	867000	67
JUN 08...	1300	750000	421	852000	85
JUL 14...	1300	744000	509	1022000	90
AUG 24...	1100	351000	116	110000	94
SEP 13...	1300	262000	116	82000	97

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL, ABOVE SIMMESPORT, LA (CE 04800)

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 16...	1015	6000	210	3400	100
NOV 04...	0900	14000	101	3810	100
DEC 09...	0900	46000	137	17000	88
JAN 13...	1230	260000	1195	838000	49
FEB 05...	1200	240000	612	394000	48
24...	1130	171000	294	136000	54
MAR 17...	0930	166000	554	248000	48
APR 07...	1100	145000	312	122000	81
MAY 19...	0900	25000	267	18000	87
JUN 24...	0930	11000	87	2580	93
JUL 13...	0930	11000	76	2250	99
AUG 18...	0930	140000	174	65800	93

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL, ABOVE SIMMESPORT, LA (CE 04800)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 17...	1000	69000	179	33300	86
DEC 08...	1100	26000	85	5980	93
JAN 13...	1000	134000	440	159000	59
FEB 09...	0900	204000	264	146000	51
MAR 09...	0900	102000	215	59100	68
APR 14...	1000	170000	258	118000	60
MAY 25...	0945	52800	158	22600	83
JUL 07...	1000	55000	137	20400	99

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM - ACADIAN-PONTCHARTRAIN STUDY UNIT
BED SEDIMENT RECORDS

STATION NAME	STATION NUMBER	DATE	TIME	MOIS- TURE CONTENT DRY WT. (% OF TOTAL) (00495)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)
Tchefuncta River nr Covington	07375050	05-28-98	1415	34.5	<2	36	200	200	2.9	.5	2	330
Bogue Falaya at Covington	07375170	05-28-98	1100	18.5	5	3.4	<20	41	3.5	.5	2.5	210
Tangipahoa River at Robert	07375500	06-09-98	1300	49.3	8	27	300	200	4.4	.5	3.3	400
Tickfaw River at Liverpool	07375800	06-03-98	1330	21.6	5	16	500	98	4.9	.5	3.4	520
	07375800	06-03-98	1330	21.6	5	16	500	98	4.9	.5	3.4	520
Dawson Creek at Bluebonnet Blvd	07379960	08-17-98	1500	37.8	2	65	1200	470	4.9	.7	3.9	560
Amite River at Port Vincent	07380120	05-14-98	1010	37.0	<2	92	600	290	4.1	.6	5	460
Bayou Des Allemands at Des Allemands	07380300	05-21-98	1045	72.3	3	380	5400	1700	7.2	.8	11	740
Bayou Lafourche below Weir	07381002	05-22-98	1030	43.4	<2	72	1500	1100	6.7	1	15	2400
Bayou Grosse Tete at Rosedale	07381440	06-26-98	1315	48.5	8	280	2200	1500	9.5	.9	17	820
Bayou Boeuf at RR Bridge at Amelia	073814675	08-13-98	1115	63.8	4	150	1700	940	7.5	.9	9.8	6800
	073814675	08-13-98	1115	63.8	4	150	1700	940	7.5	.9	9.8	6800
	073814675	08-13-98	1116	62.6	41	150	2000	840	7.4	.9	9.7	7100
	073814675	08-13-98	1116	62.6	41	150	2000	840	7.4	.9	9.7	7100
Bayou Teche at Keystone Lock	07385700	07-01-98	1045	44.3	7	65	500	740	7.5	.9	7.8	680
Bayou Des Cannes nr Eunice	08010000	07-29-98	1000	27.9	<2	13	670	330	5.9	.7	7.2	560
Bayou Nezpieque nr Basile	08012000	07-20-98	1300	35.3	3	12	610	190	5.5	.6	5.4	460
Bayou Queue de Tortue at Riceville	08012300	07-10-98	0800	52.1	4	1500	2300	610	7.8	.9	7.2	830
Bayou Laccassine nr Lake Arthur	08012470	08-19-98	1000	70.3	<2	95	2900	570	10	1	7.8	720
	08012470	08-19-98	1015	71.7	<2	110	3000	580	10	1	7.8	680
Whiskey Chitto Creek nr Oberlin	08014500	08-04-98	1200	17.4	<2	.6	20	50	3.7	.5	8.8	410
Calcasieu River nr Kinder	08015500	08-18-98	1300	14.6	<2	<2	80	42	3.8	.8	3.2	370
Turtle Bayou nr Bayou Penchant	293524091041300	06-24-98	1230	14.7	12	5200	14000	590	5.7	.6	6.6	1400
Bayou Segnette 4.6 mi S. Westwego	294957090095300	6-17-98	1200	79.2	10	300	8500	1300	6.3	.8	9.5	760

STATION NUMBER	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)
07375050	.9	1	.3	.2	83	36	5	20	<1	6	<.05
07375170	.6	<1	<.1	.088	73	26	4	8	<1	8	<1
07375500	1	<1	.2	.14	72	31	7	9	1	9	<1
07375800	1	<1	<.1	.13	81	38	9	14	1	10	<1
07375800	1	<1	<.1	.13	81	38	9	14	1	10	<1
07379960	.8	<1	.5	.69	62	47	6	26	1	10	<1
07380120	1	<1	.2	.2	70	45	8	20	1	9	<.05
07380300	2	<1	.7	1.0	64	75	14	30	1	15	<.05
07381002	2	1	1.0	3.5	76	76	12	38	1	14	<.05
07381440	3	<1	.9	.91	70	95	12	46	1	24	<1
073814675	2	<1	.5	1.2	70	78	11	32	2	17	<1
073814675	2	<1	.5	1.2	70	78	11	32	2	17	<1
073814675	2	<1	.5	1.2	77	86	11	32	2	17	<1
073814675	2	<1	.5	1.2	77	86	11	32	2	17	<1
07385700	3	<1	.4	.53	69	74	12	33	1	19	<1
08010000	1	<1	.1	.42	91	56	13	18	1	14	<1
08012000	1	<1	.1	.29	79	49	10	14	1	13	<1
08012300	2	<1	.2	.47	80	75	10	23	2	20	<1
08012470	2	<1	.2	.49	110	96	16	30	2	24	<1
08012470	3	<1	.2	.48	110	100	15	30	2	23	<1
08014500	2	<1	.2	.12	64	34	18	9	<1	8	<1
08015500	1	<1	.2	.13	65	38	12	16	1	8	<1
293524091041300	2	<1	.3	1.1	41	67	10	29	1	16	<1
294957090095300	2	<1	.5	.82	52	54	10	25	1	14	<1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM - ACADIAN-PONTCHARTRAIN STUDY UNIT
BED SEDIMENT RECORDS

STATION NUMBER	HOLMIUM	IRON	LANTHA- NIUM	LEAD	LITHIUM	MAGNE- SIUM	MANGA- NESE	MERCURY	MOLYB- DENUM	NEODYM- IUM	NICKEL
	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT
	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS
	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD
	(UG/G)	PERCENT	(UG/G)	(UG/G)	(UG/G)	PERCENT	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
	(34875)	(34880)	(34885)	(34890)	(34895)	(34900)	(34905)	(34910)	(34915)	(34920)	(34925)
07375050	<1	1.0	34	25	20	.12	250	.27	.6	25	10
07375170	<1	.92	36	22	20	.11	190	.03	<.5	26	8
07375500	1	1.4	40	19	20	.20	770	.04	<.5	33	12
07375800	1	1.3	44	19	20	.19	1200	.04	.6	35	16
07375800	1	1.3	44	19	20	.19	1200	.04	.6	35	16
07379960	1	2.0	33	57	20	.41	300	.10	.9	29	18
07380120	<1	1.6	38	18	20	.18	930	.03	.6	32	16
07380300	<1	4.1	36	34	40	1.1	1000	.07	1	30	41
07381002	1	3.4	42	67	40	1.0	640	.15	1	33	37
07381440	1	4.9	42	31	50	1.4	570	.07	.8	35	41
073814675	1	3.8	40	29	40	1.1	890	.05	.7	34	33
073814675	1	3.8	40	29	40	1.1	890	.05	.7	34	33
073814675	1	3.8	43	31	40	1.1	900	.04	.8	36	32
073814675	1	3.8	43	31	40	1.1	900	.04	.8	36	32
07385700	1	3.5	40	29	50	1.3	530	.07	.6	35	33
08010000	1	2.7	47	33	30	.51	830	.03	.6	40	21
08012000	1	2.2	41	24	30	.39	780	.03	.6	35	16
08012300	1	3.3	44	33	40	.59	480	.05	.9	38	24
08012470	2	4.0	55	41	60	.67	490	.07	1	51	34
08012470	2	4.0	59	39	60	.65	480	.07	1	53	32
08014500	<1	2.9	34	18	20	.18	730	.03	.6	27	13
08015500	1	1.6	34	20	20	.17	830	.03	.5	28	11
293524091041300	<1	3.3	24	30	40	.88	560	.09	1	20	32
294957090095300	<1	3.0	30	34	30	.91	700	.09	.7	25	28

STATION NUMBER	NIObIUM	PHOS- PHORUS	POTAS- SIUM	SCAN- DIUM	SELE- NIUM	SILVER	SODIUM	STRON- TIUM	SULFUR	TANTA- LUM	THAL- LIUM
	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BOT MAT	BED MAT
	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	<63U WS	D SIEVE
	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	<63 U
	(UG/G)	PERCENT	PERCENT	(UG/G)	(UG/G)	(UG/G)	PERCENT	(UG/G)	(UG/G)	(UG/G)	TOTAL
	(34930)	(34935)	(34940)	(34945)	(34950)	(34955)	(34960)	(34965)	(34970)	(34975)	(04064)
07375050	<4	.06	.52	5	.4	4.3	.22	41	<.05	<1	<1
07375170	6	.030	.40	5	.3	.3	.11	31	<.05	<1	<1
07375500	6	.058	.84	6	.4	.4	.25	48	<.05	<1	<1
07375800	8	.042	1.1	7	.4	.5	.36	56	<.05	<1	<1
07375800	8	.042	1.1	7	.4	.5	.36	56	<.05	<1	<1
07379960	7	.050	1.4	7	.4	.6	.72	110	<.05	<1	<1
07380120	11	.05	1.0	6	.3	.2	.42	64	<.05	<1	<1
07380300	13	.17	1.7	12	.8	.4	.47	110	.35	<1	<1
07381002	15	.13	1.8	12	.7	.3	.53	200	.10	1	<1
07381440	12	.18	2.3	17	.8	.6	.38	120	.06	1	<1
073814675	12	.085	1.9	12	.7	.7	.54	190	.29	1	<1
073814675	12	.085	1.9	12	.7	.7	.54	190	.29	1	<1
073814675	12	.084	1.9	12	.7	.7	.55	190	.30	2	<1
073814675	12	.084	1.9	12	.7	.7	.55	190	.30	2	<1
07385700	10	.096	2.2	12	.5	.6	.55	100	.05	<1	<1
08010000	10	.048	1.3	9	.5	.6	.50	84	<.05	1	<1
08012000	10	.046	1.0	8	.5	.6	.41	69	<.05	<1	<1
08012300	12	.068	1.2	12	.8	.7	.31	90	<.05	1	<1
08012470	18	.083	1.1	15	.9	.9	.17	90	.08	2	1
08012470	20	.083	1.1	16	1	.9	.17	87	.08	2	1
08014500	6	.11	.71	5	.7	.6	.16	40	<.05	<1	<1
08015500	10	.036	.57	6	.5	.6	.16	45	<.05	1	<1
293524091041300	7	.096	1.3	9	1.7	.3	.26	120	1.42	<1	<1
294957090095300	8	.14	1.6	9	1.0	1.3	.64	140	.88	<1	<1

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STATION NUMBER	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TITANIUM, BOT MAT <63U WS FIELD (UG/G) (34985)	CARBON, VANA- SED, BM WS,<63U DRY WGT REC (49274)	CARBON, YTTER- SED, BM URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	CARBON, ORGANIC DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	ORG + YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	INORG, BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	SED, BM WS,<63U DW, REC (PER- CENT) (49266)	INORG, SED, BM WS,<63U DW, REC PERCENT (49267)	SED, BM WS,<63U DW, REC (PER- CENT) (49269)
07375050	8.2	2	.4	2.2	37	17	2	65	1.87	1.88	.01
07375170	9.1	2	.48	2.7	34	12	2	43	1.30	1.31	.01
07375500	9.4	1	.44	3.0	44	17	2	50	1.39	1.40	.01
07375800	9.9	1	.54	3.4	50	20	2	49	1.48	1.49	.01
07375800	9.9	1	.54	3.4	50	20	2	49	1.48	1.49	.01
07379960	9.2	3	.34	2.7	52	18	2	130	.85	.93	.08
07380120	9.1	1	.4	2.5	52	24	2	57	.81	.82	.01
07380300	11	7	.3	2.6	110	27	3	120	5.72	5.85	.13
07381002	11	6	.4	2.9	100	30	3	160	1.72	2.60	.88
07381440	13	4	.54	4.0	160	24	3	190	2.10	2.12	.02
073814675	12	3	.39	3.0	110	23	3	150	1.94	2.13	.19
073814675	12	3	.39	3.0	110	23	3	150	1.94	2.13	.19
073814675	13	3	.42	3.2	110	25	4	140	1.94	2.11	.17
073814675	13	3	.42	3.2	110	25	4	140	1.94	2.11	.17
07385700	11	3	.49	3.6	100	21	2	130	1.78	1.79	.01
08010000	12	2	.52	3.9	79	22	2	72	.72	.75	.03
08012000	11	2	.53	3.6	67	18	2	59	1.14	1.15	.01
08012300	13	2	.57	4.8	110	22	2	97	1.93	1.94	.01
08012470	17	3	.62	5.0	120	28	3	110	2.89	2.90	.01
08012470	17	4	.65	4.9	120	31	3	110	2.87	2.88	.01
08014500	8.8	2	.45	2.8	46	14	2	48	2.33	2.34	.01
08015500	11	1	.47	3.3	47	16	2	54	1.33	1.34	.01
293524091041300	7.5	2	.25	3.8	100	14	2	110	14.0	14.0	.03
294957090095300	8.7	3	.35	3.5	88	16	2	130	8.08	8.11	.03
STATION NUMBER	CARBON, INORG, SED, BM WS,<2MM DW, REC (G/KG) (49270)	CARBON, ORGANIC SED, BM WS,<2MM DW, REC (G/KG) (49271)	CARBON, ORG + INORG SED, BM WS,<2MM DW, REC (G/KG) (49272)	ALPHA- BHC, D6 SURROGT SED, BM WS,<2MM DW, REC PERCENT (49275)	OCTCHLR BIPHENL SURROGT SED, BM WS,<2MM DW, REC PERCENT (49276)	BIPHENL 35DICH SURROGT SED, BM WS,<2MM DW, REC PERCENT (49277)	TERPHEN YL D14- SURROGT SED, BM WS,<2MM DW, REC PERCENT (49278)	BIPHENL 2FLUORO SURROGT SED, BM WS,<2MM DW, REC PERCENT (49279)	BENZENE NITROD5 SURROGT SED, BM WS,<2MM DW, REC PERCENT (49280)	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)
07375050	<1	10	10	71	91	89	88	75	86	<1.0	E.9
07375170	<1	.6	.6	67	79	71	72	65	67	<1.0	<1.0
07375500	<1	5.3	5.3	74	83	75	83	74	96	<1.0	<1.0
07375800	<1	7.2	7.2	100	92	93	64	41	41	<1.0	<1.0
07375800	<1	7.2	7.2	100	92	93	64	41	41	<1.0	<1.0
07379960	.7	12	13	91	64	46	68	53	51	4.0	10
07380120	.7	5.1	5.8	95	98	100	96	55	66	<1.0	<1.0
07380300	<1	58	58	71	91	79	82	72	66	<1.0	<1.0
07381002	11	23	34	91	95	63	69	61	56	2.0	4.6
07381440	<1	24	24	75	76	91	81	68	92	<1.0	<1.0
073814675	1.7	17	19	91	60	42	54	40	48	<1.0	<1.0
073814675	1.7	17	19	91	60	42	54	40	48	<1.0	<1.0
073814675	2.2	17	19	76	110	64	74	59	68	<1.0	<1.0
073814675	2.2	17	19	76	110	64	74	59	68	<1.0	<1.0
07385700	<1	18	18	81	92	89	62	43	42	<1.0	<1.0
08010000	.6	6.1	6.7	77	85	73	78	55	39	<1.0	<1.0
08012000	<1	6.3	6.3	74	88	72	87	61	77	<1.0	<1.0
08012300	<1	21	21	69	86	64	89	53	53	<1.0	<1.0
08012470	<1	29	29	78	94	74	65	41	57	<1.0	<1.0
08012470	<1	29	29	70	83	70	62	46	49	<1.0	<1.0
08014500	<1	.2	.2	69	84	66	66	39	42	<1.0	<1.0
08015500	<1	1.1	1.1	70	86	76	66	42	50	<1.0	<1.0
293524091041300	<1	160	160	74	84	63	64	48	52	<6	<6
294957090095300	.9	110	110	73	66	80	61	47	54	<2.0	<2.0

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STATION NUMBER	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PHTHAL- ATE, DIBUTYL SED, BM WS,<2MM DW, REC (UG/KG) (49381)	PHTHAL- ATE, D IOCTYL SED, BM WS,<2MM DW, REC (UG/KG) (49382)	PHTHAL- ATE, D IETHYL SED, BM WS,<2MM DW, REC (UG/KG) (49383)	PHTHAL- ATE,DI- METHYL SED, BM WS,<2MM DW, REC (UG/KG) (49384)	PYRENE, SED, BM WS,<2MM DW, REC (UG/KG) (49387)	
	07375050	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E48	<50	E41	<50	E23
	07375170	<5.0	<5.0	<1.0	<5.0	<5.0	<200	62	<50	E44	<50	<50
07375500	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E46	<50	53	<50	<50	
07375800	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E32	<50	E14	<50	<50	
07375800	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E32	<50	E14	<50	<50	
07379960	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E44	<50	<50	<50	240	
07380120	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E19	<50	E20	E9	E20	
07380300	<5.0	<5.0	<1.0	<5.0	<5.0	<200	59	<50	76	<50	110	
07381002	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E18	<50	<50	<50	1200	
07381440	<5.0	<5.0	<1.0	<5.0	<5.0	<200	72	<50	<50	<50	E15	
073814675	<5.0	<5.0	<1.0	<5.0	<5.0	<200	57	E41	<100	<100	780	
073814675	<5.0	<5.0	<1.0	<5.0	<5.0	<200	57	E41	<100	<100	780	
073814675	<5.0	<5.0	<1.0	<5.0	<5.0	<200	81	73	<100	<100	1400	
073814675	<5.0	<5.0	<1.0	<5.0	<5.0	<200	81	73	<100	<100	1400	
07385700	<5.0	<5.0	<1.0	<5.0	<5.0	<200	50	<50	E25	<50	570	
08010000	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E35	<50	<50	<50	51	
08012000	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E36	<50	<50	<50	E11	
08012300	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E47	<50	<50	<50	E14	
08012470	<5.0	<5.0	<1.0	<5.0	<5.0	<200	57	<50	E24	E20	E43	
08012470	<5.0	<5.0	<1.0	<5.0	<5.0	<200	59	<50	E16	<50	87	
08014500	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E24	<50	<50	<50	<50	
08015500	<5.0	<5.0	<1.0	<5.0	<5.0	<200	E24	<50	E11	<50	E2	
293524091041300	<30	<30	<6	<30	<30	<1200	240	<50	<50	<50	90	
294957090095300	<10	<10	<2.0	<10	<10	<400	E86	<100	E51	<100	140	
STATION NUMBER	PYRENE, 1- METHYL, SED, BM WS,<2MM DW, REC (UG/KG) (49388)	BENZO (A) PYRENE SED, BM WS,<2MM DW, REC (UG/KG) (49389)	INDENO 123-CD PYRENE SED, BM WS,<2MM DW, REC (UG/KG) (49390)	2,2'-BI QUINO- LINE, SED, BM WS,<2MM DW, REC (UG/KG) (49391)	QUINO- LINE, SED, BM WS,<2MM DW, REC (UG/KG) (49392)	PHENAN- THRI- DINE SED, BM WS,<2MM DW, REC (UG/KG) (49393)	ISO- QUINO- LINE, SED, BM WS,<2MM DW, REC (UG/KG) (49394)	TOLUENE 2,4-DI- NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49395)	TOLUENE 2,6-DI- NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49396)	BENZO K FLUOR- ANTHENE SED, BM WS,<2MM DW, REC (UG/KG) (49397)	9H-FLU- ORENE, 1METHYL, SED, BM WS,<2MM DW, REC (UG/KG) (49398)	
	07375050	<50	E25	E18	<50	<50	--	<50	<50	<50	E	

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STATION NUMBER	9H-FLU- ORENE SED, BM WS,<2MM DW, REC (UG/KG) (49399)	METHANE ISOPHOR ONE SED, BM WS,<2MM DW, REC (UG/KG) (49400)	2CHLORO ETHOXY SED, BM WS,<2MM DW, REC (UG/KG) (49401)	NAPHTH- ALENE, SED, BM WS,<2MM DW, REC (UG/KG) (49402)	NAPHTH ENE, 12 DIMETHL SED, BM WS,<2MM DW, REC (UG/KG) (49403)	NAPHTH ENE, 16 DIMETHL SED, BM WS,<2MM DW, REC (UG/KG) (49404)	NAPHTH ENE,236 TRIMETH SED, BM WS,<2MM DW, REC (UG/KG) (49405)	NAPHTH ENE, 26 DIMETHL SED, BM WS,<2MM DW, REC (UG/KG) (49406)	BENZO(G ENE, 2- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49407)	HI)PERY LENE SED, BM WS,<2MM DW, REC (UG/KG) (49408)	PHENAN THRENE SED, BM WS,<2MM DW, REC (UG/KG) (49409)
07375050	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07375170	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07375500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07375800	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07375800	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07379960	<50	<50	<50	<50	<50	<50	<50	E48	<50	81	130
07380120	<50	<50	<50	<50	<50	<50	<50	<50	<50	E14	E.06
07380300	<50	<50	<50	E8	<50	<50	<50	68	<50	E20	E42
07381002	89	<50	<50	90	E18	52	71	120	<50	E260	880
07381440	<50	<50	<50	<50	<50	<50	<50	E21	<50	<50	<50
073814675	140	<100	<100	<100	<100	E22	E14	88	<100	140	770
073814675	140	<100	<100	<100	<100	E22	E14	88	<100	140	770
073814675	60	<100	<100	<100	<100	<100	E12	130	<100	170	490
073814675	60	<100	<100	<100	<100	<100	E12	130	<100	170	490
07385700	57	<50	<50	E20	<50	<50	<50	E12	<50	E19	170
08010000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	E21
08012000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	E2
08012300	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
08012470	<50	<50	<50	<50	<50	<50	<50	E35	<50	<50	<50
08012470	E5	<50	<50	<50	<50	<50	<50	E47	<50	<50	70
08014500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
08015500	<50	<50	<50	<50	<50	<50	<50	<50	<50	E15	<50
293524091041300	<50	<50	<50	<50	<50	<50	<50	440	<50	<50	60
294957090095300	E12	<100	<100	<100	<100	<100	<100	120	<100	<100	E35
STATION NUMBER	PHENAN THRENE IMETHYL SED, BM WS,<2MM DW, REC (UG/KG) (49410)	4HCYPEN PHENAN THRENE SED, BM WS,<2MM DW, REC (UG/KG) (49411)	PHENOL SED, BM WS,<2MM DW, REC (UG/KG) (49413)	3,5- XYLENOL SED, BM WS,<2MM DW, REC (UG/KG) (49421)	M-CRE- SOL, 4- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49422)	PHENOL C8- ALKYL- SED, BM WS,<2MM DW, REC (UG/KG) (49424)	PHTHALA TE,BIS2 ETHHEXL SED, BM WS,<2MM DW, REC (UG/KG) (49426)	PHTHALA TEBUTYL BENZYL- SED, BM WS,<2MM DW, REC (UG/KG) (49427)	ACENAPH THYLENE SED, BM WS,<2MM DW, REC (UG/KG) (49428)		
07375050	<50	<50	<50	<50	<50	<50	340	<50	<50		
07375170	<50	<50	<50	<50	<50	<50	E42	<50	<50		
07375500	<50	<50	<50	<50	<50	<50	62	<50	<50		
07375800	<50	<50	<50	<50	<50	<50	<50	<50	<50		
07375800	<50	<50	<50	<50	<50	<50	<50	<50	<50		
07379960	E7	E17	E11	<50	<50	<50	530	E36	E23		
07380120	E7	<50	E8	<50	<50	<50	110	<50	<50		
07380300	<50	E41	E4	<50	<50	<50	76	<50	<50		
07381002	73	120	51	E25	<50	<50	140	<50	67		
07381440	<50	<50	<50	<50	<50	<50	90	<50	<50		
073814675	86	150	<100	<100	<100	<100	160	120	51		
073814675	86	150	<100	<100	<100	<100	160	120	51		
073814675	E44	110	<100	<100	<100	<100	220	91	50		
073814675	E44	110	<100	<100	<100	<100	220	91	50		
07385700	E11	92	<50	<50	<50	<5	80	<50	<50		
08010000	<50	<50	<50	<50	<50	<50	E44	E21	<50		
08012000	<50	<50	<50	<50	<50	<50	E22	<50	<50		
08012300	<50	<50	<50	<50	<50	<50	<50	<50	<50		
08012470	<50	<50	<50	<50	<50	<50	E44	<50	<50		
08012470	<50	<50	<50	<50	<50	<50	55	<50	E17		
08014500	<50	<50	<50	<50	<50	<50	E15	E13	<50		
08015500	<50	<50	<50	<50	<50	<50	E14	<50	<50		
293524091041300	<50	<50	<50	<50	<50	<50	330	<50	<50		
294957090095300	<100	E38	220	<100	<100	<100	130	<100	<100		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM - ACADIAN-PONTCHARTRAIN STUDY UNIT
BED SEDIMENT RECORDS

STATION NUMBER	ACENAPHTHENE SED, BM WS, <2MM DW, REC (UG/KG) (49429)	ACRIDINE SED, BM WS, <2MM DW, REC (UG/KG) (49430)	DIPROPYLA- MINE,N NITROSO SED, BM WS, <2MM DW, REC (UG/KG) (49431)	DIPHNYLA- MINE,N NITROSO SED, BM WS, <2MM DW, REC (UG/KG) (49433)	ANTHRA- CENE SED, BM WS, <2MM DW, REC (UG/KG) (49434)	ANTHRA- CENE,2- METHYL- SED, BM WS, <2MM DW, REC (UG/KG) (49435)	BENZ(A)- ANTHRA- CENE SED, BM WS, <2MM DW, REC (UG/KG) (49436)	9,10- ANTHRA- QUINONE SED, BM WS, <2MM DW, REC (UG/KG) (49437)	BENZENE 124TRI- CHLORO- SED, BM WS, <2MM DW, REC (UG/KG) (49438)	BENZENE O-DI- CHLORO- SED, BM WS, <2MM DW, REC (UG/KG) (49439)
07375050	<50	<50	<50	<50	<50	<50	E19	<50	<50	<50
07375170	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07375500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07375800	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07375800	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07379960	E16	E10	<50	<50	58	E22	120	50	<50	<50
07380120	<50	<50	<50	<50	E.7	<50	E14	<50	<50	<50
07380300	<50	<50	<50	<50	E2	<50	E49	<50	<50	<50
07381002	86	<50	<50	<50	200	53	540	170	<50	<50
07381440	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
073814675	120	E46	<100	<100	320	130	470	54	<100	<100
073814675	120	E46	<100	<100	320	130	470	54	<100	<100
073814675	71	<100	<100	<100	150	54	400	130	<100	<100
073814675	71	<100	<100	<100	150	54	400	130	<100	<100
07385700	E18	<50	<50	<50	E42	E34	150	<50	<50	<50
08010000	<50	<50	<50	<50	E10	<50	E18	<50	<50	<50
08012000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
08012300	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
08012470	<50	<50	<50	<50	E23	<50	E17	<50	<50	<50
08012470	<50	<50	<50	<50	E25	<50	E20	<50	<50	<50
08014500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
08015500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
293524091041300	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
294957090095300	<100	<100	<100	E40	<100	E34	<100	<100	--	<100
STATION NUMBER	BENZENE M-DI- CHLORO- SED, BM WS, <2MM DW, REC (UG/KG) (49441)	BENZENE P-DI- CHLORO- SED, BM WS, <2MM DW, REC (UG/KG) (49442)	AZO- BENZENE SED, BM WS, <2MM DW, REC (UG/KG) (49443)	BENZENE NITRO- SED, BM WS, <2MM DW, REC (UG/KG) (49444)	BENZENE PNTCHLR NITRO- SED, BM WS, <2MM DW, REC (UG/KG) (49446)	CARBA- ZOLE SED, BM WS, <2MM DW, REC (UG/KG) (49449)	CHRY- SENE SED, BM WS, <2MM DW, REC (UG/KG) (49450)	P- CRESOL SED, BM WS, <2MM DW, REC (UG/KG) (49451)	THIOPH- ENE,DI- BENZO- SED, BM WS, <2MM DW, REC (UG/KG) (49452)	4-BROMO PHNPHNL ETHER SED, BM WS, <2MM DW, REC (UG/KG) (49454)
07375050	<50	<50	<50	<50	<50	<50	E13	<50	<50	<50
07375170	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
07375500	<50	<50	<50	<50	<50	<50	<50	270	<50	<50
07375800	<50	<50	<50	<50	<50	<50	<50	61	<50	<50
07375800	<50	<50	<50	<50	<50	<50	<50	61	<50	<50
07379960	<50	<50	<50	<50	<50	E30	150	230	<50	<50
07380120	<50	<50	<50	<50	<50	<50	E6	140	<50	<50
07380300	<50	<50	<50	<50	<50	<50	62	E44	<50	<50
07381002	<50	E5	<50	<50	<50	130	640	160	63	<50
07381440	<50	<50	<50	<50	<50	<50	<50	520	<50	<50
073814675	<100	<100	<100	<100	<100	100	480	810	53	<100
073814675	<100	<100	<100	<100	<100	100	480	810	53	<100
073814675	<100	<100	<100	<100	<100	52	650	710	<100	<100
073814675	<100	<100	<100	<100	<100	52	650	710	<100	<100
07385700	<50	E13	<50	<50	<50	<50	170	52	<50	<50
08010000	<50	<50	<50	<50	<50	<50	E23	<50	<50	<50
08012000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
08012300	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
08012470	<50	<50	<50	<50	<50	<50	E20	<50	<50	<50
08012470	<50	<50	<50	<50	<50	E11	E27	<50	<50	<50
08014500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
08015500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
293524091041300	<50	<50	<50	<50	<50	<50	<50	6100	<50	<50
294957090095300	<100	620	<100	<100	<100	<100	E58	6100	<100	<100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM - ACADIAN-PONTCHARTRAIN STUDY UNIT
BED SEDIMENT RECORDS

STATION NUMBER	4CHLORO PHNPHN LEATHER SED, BM WS,<2MM DW, REC (UG/KG) (49455)	BIS2CHL ETHYL ETHER SED, BM WS,<2MM DW, REC (UG/KG) (49456)	BENZOB FLUOR- ANTHENE SED, BM WS,<2MM DW, REC (UG/KG) (49458)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	DIBENZ (AH),AN THRACEN SED, BM WS,<2MM DW, REC (UG/KG) (49461)	FLUOR- ANTHENE BED MAT WS <2MM DRY WGT REC (UG/KG) (49466)	PHENOL, 2CHLORO BED MAT WS <2MM DRY WGT REC (UG/KG) (49467)	BENZOCI NNOLINE BED MAT WS <2MM DRY WGT REC (UG/KG) (49468)	NAPHTHAL ENE, 2- ETHYL- SED BM WS <2MM DW REC (UG/KG) (49948)
07375050	<50	--	E31	<50	<1.0	<50	--	--	--	<50
07375170	<50	--	<50	<50	<1.0	<50	E15	<50	<50	<50
07375500	<50	--	<50	<50	<1.0	<50	<50	<50	<50	<50
07375800	<50	--	<50	<50	<1.0	<50	<50	<50	<50	<50
07375800	<50	--	<50	<50	<1.0	<50	<50	<50	<50	<50
07379960	<50	<50	150	<50	<1.0	E28	280	<50	<50	<50
07380120	<50	--	E20	<50	<1.00	<50	--	--	--	<50
07380300	<50	--	65	<50	<1.0	<50	130	--	--	<50
07381002	<50	--	460	66	<1.0	99	1200	--	--	E37
07381440	<50	--	E42	<50	<1.0	<50	E42	<50	<50	<50
073814675	<100	<100	280	<50	<1.0	61	960	<100	<100	<100
073814675	<100	<100	280	<50	<1.0	61	960	<100	<100	<100
073814675	<100	<100	380	230	<1.0	65	1700	<100	<100	<100
073814675	<100	<100	380	230	<1.0	65	1700	<100	<100	<100
07385700	<50	--	86	<50	<1.0	<50	820	<50	<50	E4
08010000	<50	--	E34	<50	<1.0	<50	74	<50	<50	<50
08012000	<50	--	<50	<50	<1.0	<50	E26	<50	<50	<50
08012300	<50	--	<50	<50	<1.0	<50	E23	<50	<50	<50
08012470	<50	<50	E47	<50	<1.0	<50	E29	<50	<50	<50
08012470	<50	<50	E49	<50	<1.0	<50	120	<50	<50	<50
08014500	<50	--	<50	<50	<1.0	<50	<50	<50	<50	<50
08015500	<50	<50	<50	<50	<1.0	<50	<50	<50	<50	<50
293524091041300	<50	--	<50	<300	<6	<50	170	<50	<50	<50
294957090095300	<100	E77	<100	<2.0	<100	150	<100	<100	<100	--

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. 1, 1998	76.73	JAN. 28, 1999	70.83	APR. 20, 1999	80.26	JULY 27, 1999	81.31

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 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 74.45 BELOW LSD, APR. 20, 1999.
 RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1998	65.46	JAN. 28, 1999	66.05	APR. 20, 1999	74.45	JULY 27, 1999	66.18

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. 1, 1998	70.84	JAN. 28, 1999	67.34	APR. 20, 1999	69.23	JULY 27, 1999	69.26

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. 2, 1998	29.55	JAN. 27, 1999	29.98	APR. 20, 1999	31.75	JULY 28, 1999	31.70

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 PLEISTOCENE-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. 2, 1998	51.19	JAN. 27, 1999	51.36	APR. 20, 1999	50.79	JULY 28, 1999	52.40

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 10.26 BELOW LSD, OCT. 29, 1998.
 RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1998	10.26	FEB. 9, 1999	8.54	MAR. 10, 1999	6.17	JULY 14, 1999	6.77

AVOYELLES 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 BUSHING AT 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. 14, 1998	38.15	JAN. 14, 1999	38.27	APR. 2, 1999	37.39	JULY 8, 1999	37.52

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. 13, 1998	63.30	JAN. 14, 1999	63.91	APR. 2, 1999	63.02	JULY 8, 1999	63.18

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, 0.06 FT BELOW 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, 1998	10.32	APR. 2, 1999	6.61	JULY 8, 1999	6.70	JULY 13, 1999	3.89
JAN. 14, 1999							

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. 2, 1998	56.64	JAN. 27, 1999	58.79	APR. 20, 1999	56.75	JULY 28, 1999	58.24

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. 15, 1998	36.22	JAN. 6, 1999	34.97	JUNE 8, 1999	35.40	SEP. 30, 1999	36.84
NOV. 30	35.70	MAR. 30	34.75	AUG. 4	36.08		

GROUND-WATER LEVELS

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 238.82 BELOW LSD, JULY 6, 1999.
 RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1998	237.12	APR. 2, 1999	235.69	MAY 26, 1999	237.08	JULY 6, 1999	238.82
JAN. 11, 1999	237.94						

323448092540901 LOCAL WELL NUMBER: BI-148

OWNER: E. E. LETLOW. (SEC. 5, T. 18N., R. 5W.) DRILLED DOMESTIC WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 375 FT, SCREENED 367-375. MP LOWER LIP OF 2-IN. ELBOW, 5.70 FT ABOVE LSD. LSD 380 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 250.00 BELOW LSD (REPORTED), JAN. JAN.1, 1967,
 LOWEST WATER LEVEL 294.94 BELOW LSD, MAY 26, 1999.
 RECORDS AVAILABLE 1967, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVELS
MAY 26, 1999	294.94						

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 182.83 BELOW LSD, JAN. 5, 1999.
 RECORDS AVAILABLE 1975-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVELS
OCT. 5, 1998	182.31	JAN. 5, 1999	182.83	APR. 2, 1999	182.80	JULY 6, 1999	182.34

323121092561901 LOCAL WELL NUMBER: BI-5221Z

OWNER: PAT SMITH. (SEC. 25, T. 18N., R. 6W.) DRILLED DOMESTIC ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 130 FT, SCREENED 110-130. MP TOP OF SANITARY SEAL ON 4-IN. PVC CASING, AT LSD. LSD 442 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 87.57 BELOW LSD, MAY 11, 1999,
 LOWEST WATER LEVEL 87.57 BELOW LSD, MAY 11, 1999.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVELS
MAY 11, 1999	87.57						

GROUND-WATER LEVELS

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. 5, 1998	12.70	JAN. 4, 1999	11.18	APR. 1, 1999	9.80	JULY 6, 1999	10.10

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. 28, 1998	77.20	APR. 13, 1999	73.67	SEP. 21, 1999	79.40		

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. 28, 1998	62.88	APR. 12, 1999	60.42	SEP. 21, 1999	64.15		

300353093210201 LOCAL WELL NUMBER: CU-787

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 734 FT, SCREENED 729-734. MP TOP OF 2-IN. 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. 28, 1998	56.12	APR. 13, 1999	53.59	SEP. 21, 1999	56.82		

GROUND-WATER LEVELS

CALCASIEU PARISH-Continued

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. (WELL DESTROYED APRIL 1999)
 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. 2, 1998	92.28	JAN. 27, 1999	87.51				

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	DATE	WATER LEVEL
OCT. 2, 1998	52.52	JAN. 27, 1999	54.69	APR. 13, 1999	53.53	JULY 28, 1999	55.58

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.
 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. 1, 1998	100.30J	FEB. 10, 1999	96.67	APR. 25, 1999	93.26	JULY 10, 1999	96.24
OCT. 2	100.13H	FEB. 15	95.64	APR. 30	94.25	JULY 15	97.83
OCT. 5	99.57	FEB. 20	95.58	MAY 5	93.72	JULY 28	97.99H
OCT. 10	99.27	FEB. 25	94.90	MAY 10	95.39	JULY 31	98.59
NOV. 15	97.42	FEB. 28	95.21	MAY 12	95.39H	AUG. 5	98.98
NOV. 20	97.36	MAR. 5	95.27	MAY 15	96.78	AUG. 10	99.16
NOV. 25	96.90	MAR. 10	95.18	MAY 20	96.40	AUG. 15	99.23
NOV. 30	97.23	MAR. 15	95.15	MAY 25	96.95	AUG. 20	99.63
DEC. 5	96.33	MAR. 20	95.22	MAY 31	97.77	AUG. 25	99.56
DEC. 10	95.74	MAR. 25	94.75	JUNE 5	97.83	AUG. 31	99.94
DEC. 15	96.25	MAR. 31	95.43	JUNE 10	98.45	SEP. 5	99.13
DEC. 20	95.45	APR. 5	95.38	JUNE 15	98.11	SEP. 10	98.95
DEC. 31	95.51	APR. 10	94.11	JUNE 20	98.87	SEP. 15	99.12
JAN. 5, 1999	99.06	APR. 13	93.34H	JUNE 25	98.54	SEP. 20	99.50
JAN. 27	95.10H	APR. 15	92.87	JUNE 30	96.78	SEP. 25	99.48
JAN. 30	95.32	APR. 20	92.66	JULY 1	98.73H	SEP. 30	99.20
FEB. 5	96.05	APR. 21	92.55J	JULY 5	95.43		

See footnotes at end of table.

GROUND-WATER LEVELS

CALCASIEU PARISH-Continued

301031093204901 LOCAL WELL NUMBER: CU-959

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 733 FT, SCREENED 727-733. MP TOP OF 2-IN. CASING, 0.14 FT BELOW LSD.

LSD 21 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 85.46 BELOW LSD, MAR. 5, 1991,

LOWEST WATER LEVEL 128.70 BELOW LSD, AUG. 1, 1974.

RECORDS AVAILABLE 1974-85, 1991, 1995, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 29, 1999	94.48						

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 13.50 BELOW LSD, APR. 1, 1999,

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. 8, 1998	19.69	JAN. 4, 1999	20.87	APR. 1, 1999	13.50	JULY 6, 1999	18.88

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 30.30 BELOW LSD, SEP. 22, 1999.

RECORDS AVAILABLE 1964-83, 1985, 1990-91, 1998-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 8, 1999	34.95	SEP. 22, 1999	38.30				

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. 2, 1998	36.37	JAN. 27, 1999	31.20	APR. 15, 1999	33.66	JULY 28, 1999	29.43

GROUND-WATER LEVELS

CAMERON PARISH-Continued

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. CASING, 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
APR. 13, 1999	38.63						

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. 29, 1998	52.32	APR. 14, 1999	50.56	SEP. 22, 1999	53.08		

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. 29, 1998	32.50	APR. 14, 1999	30.36	SEP. 22, 1999	34.87		

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. 29, 1998	40.21	APR. 14, 1999	32.02	SEP. 22, 1999	44.15		

GROUND-WATER LEVELS

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 BUSHING, 3.50 FT ABOVE LSD.

LSD 70 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 25.34 BELOW LSD, JULY 7, 1994,

LOWEST WATER LEVEL 28.45 BELOW LSD, JULY 6, 1999.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1998	27.53	JAN. 4, 1999	27.57	APR. 1, 1999	27.11	JULY 6, 1999	28.45

CLAIBORNE PARISH

324748093033301 LOCAL WELL NUMBER: CL-60

OWNER: HOMER, LA. (SEC. 23, T. 21N., R. 7W.) DRILLED PUBLIC SUPPLY WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 12 3/4 IN., DEPTH 448 FT, SCREENED 407-448. MP TOP OF 1-IN. NIPPLE IN PUMP BASE, 1.50 FT ABOVE LSD.

LSD 240 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 119.00 BELOW LSD (REPORTED), AUG. 20, 1953,

LOWEST WATER LEVEL 130.54 BELOW LSD, MAY 12, 1999.

RECORDS AVAILABLE 1953, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 12, 1999	130.54						

325728093103801 LOCAL WELL NUMBER: CL-99

OWNER: D. O. BRAZZELTON. (SEC. 27, T. 23N., R. 8W.) DRILLED DOMESTIC WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 270 FT, SCREENED 255-270. MP SANITARY SEAL HOLE ON TOP OF 4-IN. PVC CASING, 0.50 FT ABOVE LSD.

LSD 360 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 214.00 BELOW LSD (REPORTED), JAN. 1, 1962,

LOWEST WATER LEVEL 225.86 BELOW LSD, MAY 12, 1999.

RECORDS AVAILABLE 1962, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 12, 1999	225.86						

325303092464401 LOCAL WELL NUMBER: CL-117

OWNER: HEBRON BAPTIST CHURCH. (SEC. 21, T. 22N., R. 4W.) DRILLED DOMESTIC WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 219 FT, SCREENED 189-219. MP EDGE OF 4-IN. CASING, 1.0 FT ABOVE LSD.

LSD 205 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 101.90 BELOW LSD (REPORTED), JUNE 21, 1963,

LOWEST WATER LEVEL 116.46 BELOW LSD, MAY 26, 1999.

RECORDS AVAILABLE 1963, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 26, 1999	116.46						

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 298.50 BELOW LSD, OCT. 4, 1999.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1998	297.28	JAN. 4, 1999	296.95	APR. 1, 1999	296.40	JULY 14, 1999	297.16

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 19.74 BELOW LSD, SEP. 4, 1997.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1999	9.28	SEP. 15, 1999	19.47				

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 FILE MARK ON TOP OV PVC BUSHING, 2.96 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. 8, 1998	13.38	MAR. 17, 1999	6.04	APR. 1, 1999	7.64	SEP. 15, 1999	16.19
JAN. 4, 1999	11.04	MAR. 24	7.88	JULY 6	12.96		

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. 8, 1998	79.87	JAN. 5, 1999	80.05	APR. 1, 1999	79.74	JULY 9, 1999	80.38

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. 8, 1998	14.38	JAN. 5, 1999	14.05	APR. 1, 1999	14.51	JULY 9, 1999	14.90

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 EDGE OF 10-IN. 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. 23, 1998	232.95	FEB. 8, 1999	246.90	MAY 4, 1999	257.87	JULY 22, 1999	258.46

302648091102301 LOCAL WELL NUMBER: EB-128

OWNER: DIVINCENTI BROTHERS. (SEC. 74, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., REPORTED DEPTH 970 FT, SCREENED 840-883 AND 883-970. MP TOP EDGE OF 6-IN. CASING, AT LSD.
 LSD 57.02 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 60.40 ABOVE LSD, FEB. 23, 1943.
 LOWEST WATER LEVEL 128.42 BELOW LSD, SEP. 9, 1956.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 26, 1999	87.04						

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 118.36 BELOW LSD, NOV. 20, 1998.
 RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1998	118.36	FEB. 8, 1999	115.36	MAY 5, 1999	117.71	JULY 26, 1999	116.24

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 INSIDE EDGE OF CASING, 0.85 FT ABOVE LSD. (RECORDER REMOVED FROM WELL JAN. 6, 1999)
 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. 1, 1998	91.15J	NOV. 10, 1998	84.01	DEC. 5, 1998	80.29	JAN. 5, 1999	79.54H
OCT. 5	91.53	NOV. 15	81.10	DEC. 10	80.68	FEB. 5	76.40H
OCT. 10	87.77	NOV. 20	79.90	DEC. 15	80.60	MAR. 9	70.54H
OCT. 15	89.77	NOV. 25	78.33	DEC. 20	80.33	APR. 8	81.81H
NOV. 3	84.45H	NOV. 30	80.07	DEC. 25	80.02	MAY 7	82.93H
NOV. 5	84.30	DEC. 4	80.10H	DEC. 31	79.67		

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. 20, 1998	144.45	FEB. 8, 1999	138.90	MAY 4, 1999	147.17	JULY 22, 1999	146.49

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 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. 20, 1998	263.14	FEB. 8, 1999	283.32	MAY 6, 1999	290.53		

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 74.33 BELOW LSD, JULY 20, 1999.
 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. 20, 1998	71.98	FEB. 5, 1999	69.79	MAY 3, 1999	71.12	JULY 20, 1999	74.33

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 88.60 BELOW LSD, JULY 20, 1999.
 RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1998	87.51	FEB. 5, 1999	85.72	MAY 4, 1999	86.05	JULY 20, 1999	88.60

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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 124.58 BELOW LSD, NOV. 16, 1998.
 RECORDS AVAILABLE 1972-88, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1998	124.58	FEB. 8, 1999	120.38	MAY 4, 1999	123.43	JULY 22, 1999	120.81

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. (RECORDER REMOVED FROM WELL JAN. 25, 1999)
 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
OCT. 5, 1998	303.74	NOV. 5, 1998	307.45	DEC. 5, 1998	294.56	JAN. 5, 1999	306.09
OCT. 10	301.14	NOV. 10	299.27	DEC. 10	297.52	JAN. 10	310.49
OCT. 15	299.63	NOV. 15	297.76	DEC. 15	295.98	JAN. 15	307.69
OCT. 20	298.36	NOV. 20	295.18	DEC. 20	295.86	JAN. 25	313.29
OCT. 25	298.63	NOV. 25	296.50	DEC. 25	295.15	JULY 27	301.63
OCT. 31	302.75	NOV. 30	294.43	DEC. 31	293.56		

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 104.74 BELOW LSD, MAY 3, 1999.
 RECORDS AVAILABLE 1942, 1973, 1977-78, 1981, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1998	102.85	FEB. 4, 1999	89.19	MAY 3, 1999	104.74	JULY 20, 1999	102.21

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 4, 1999	64.10						

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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. 23, 1998	76.09	FEB. 5, 1999	74.68	MAY 3, 1999	75.79	JULY 20, 1999	75.95

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 53.35 BELOW LSD, NOV. 20, 1998.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1998	53.35	FEB. 5, 1999	52.54	MAY 3, 1999	52.15	JULY 20, 1999	52.87

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. 18, 1998	164.73	FEB. 5, 1999	167.53	MAY 4, 1999	173.98	JULY 20, 1999	180.98

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 13.37 BELOW LSD, MAY 4, 1999.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1998	9.75	FEB. 8, 1999	9.45	MAY 4, 1999	13.37	JULY 26, 1999	11.84
DEC. 2	10.30						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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 40.26 BELOW LSD, JULY 26, 1999.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1998	39.13	FEB. 8, 1999	37.94	MAY 4, 1999	39.65	JULY 26, 1999	40.26
DEC. 1	38.97						

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, 1996-98.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 29, 1998	195.97						

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. 23, 1998	26.53	FEB. 8, 1999	26.17	MAY 5, 1999	26.42	JULY 27, 1999	26.14
DEC. 7	27.33						

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, 1990-98.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1998	64.34						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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 BOLT 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. 23, 1998	26.69	FEB. 8, 1999	19.91	MAY 5, 1999	19.22	JULY 26, 1999	22.03

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 PLEISTOCENE 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 50.89 BELOW LSD, DEC. 7, 1998.
 RECORDS AVAILABLE 1965-93, 1996-1998.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1998	50.89						

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, 1996-1998.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1998	59.10						

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 PLEISTOCENE 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. 6, 1998	109.01	FEB. 8, 1999	103.29	MAY 5, 1999	109.95	JULY 26, 1999	111.68
DEC. 14	105.96						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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 112.74 BELOW LSD, NOV. 6, 1998.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1998	112.74	FEB. 8, 1999	103.72	MAY 5, 1999	109.25	JULY 26, 1999	110.62
DEC. 14	107.22						

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 PLOCENE 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 77.53 BELOW LSD, NOV. 6, 1998.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1998	77.53	FEB. 8, 1999	74.61	MAY 5, 1999	74.79	JULY 26, 1999	75.21
DEC. 14	76.26						

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. 20, 1998	201.40	FEB. 8, 1999	192.39	MAY 5, 1999	190.04	JULY 26, 1999	206.40

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. 23, 1998	48.77	FEB. 8, 1999	43.75	MAY 5, 1999	39.03	JULY 26, 1999	45.44

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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. 18, 1998	40.32	FEB. 8, 1999	35.70	MAY 5, 1999	34.35	JULY 26, 1999	38.25
NOV. 24	40.32						

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. 18, 1998	50.82	FEB. 5, 1999	46.48	MAY 4, 1999	42.36	JULY 20, 1999	44.81

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. 23, 1998	107.50	FEB. 9, 1999	99.98	MAY 4, 1999	86.50	JULY 22, 1999	105.98

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 144.18 BELOW LSD, MAY 4, 1999.
 RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1998	136.26	FEB. 8, 1999	142.03	MAY 4, 1999	144.18	JULY 22, 1999	138.88

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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. 20, 1998	74.08	FEB. 8, 1999	68.84	MAY 4, 1999	62.36	JULY 22, 1999	70.00
NOV. 24	73.85						

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 PLEISTOCENE 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. 20, 1998	36.39	FEB. 8, 1999	26.36	MAY 5, 1999	25.94		

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 4.58 BELOW LSD, FEB. 5, 1999.
 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. 20, 1998	6.10	FEB. 5, 1999	4.58	MAY 3, 1999	10.47	JULY 20, 1999	8.24

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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 FILE NOTCHES IN N SIDE OF 4-IN. PVC CASING, 4.2 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, 1998	149.00H	DEC. 10, 1998	136.96	MAR. 15, 1999	140.64	JUNE 25, 1999	147.45
OCT. 5	145.38	DEC. 15	135.18	MAR. 20	140.75	JUNE 30	147.03
OCT. 9	143.07H	DEC. 20	134.29	MAR. 25	144.34	JULY 5	145.07
OCT. 10	142.68	DEC. 25	134.78	MAR. 31	142.07	JULY 10	145.34
OCT. 13	143.33H	DEC. 28	134.07H	APR. 5	141.75	JULY 15	144.11
OCT. 14	142.66H	DEC. 29	133.99J	APR. 10	142.32	JULY 20	143.38
OCT. 15	142.13	DEC. 31	134.23	APR. 15	144.07	JULY 21	143.45H
OCT. 20	142.15	JAN. 5, 1999	134.45	APR. 20	145.46	JULY 31	142.66
OCT. 25	142.69	JAN. 10	134.59	APR. 25	147.41	AUG. 5	142.87
OCT. 27	142.87H	JAN. 15	134.57	APR. 30	148.86	AUG. 10	145.15
OCT. 29	142.96H	JAN. 20	134.39	MAY 5	149.55	AUG. 15	144.66
OCT. 30	138.42	JAN. 25	134.65	MAY 10	149.76	AUG. 20	148.72
OCT. 31	145.29	JAN. 30	134.68	MAY 15	147.07	AUG. 25	150.48
NOV. 5	144.66	FEB. 5	134.63	MAY 18	148.94H	AUG. 31	151.49
NOV. 10	142.86	FEB. 10	134.52	MAY 20	149.63	SEP. 5	150.46
NOV. 15	141.02	FEB. 15	134.40	MAY 25	149.86	SEP. 10	149.93
NOV. 20	140.97H	FEB. 20	136.55	MAY 31	147.22	SEP. 15	150.25
NOV. 23	137.68H	FEB. 25	138.41	JUNE 5	148.66	SEP. 20	151.89
NOV. 25	137.18	FEB. 28	139.22	JUNE 10	148.11	SEP. 25	152.93
NOV. 30	138.42	MAR. 5	138.28	JUNE 15	145.94	SEP. 28	153.60J
DEC. 5	137.51	MAR. 10	142.52	JUNE 20	146.71	SEP. 30	152.96

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
DEC. 30, 1999	127.07						

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. 20, 1998	58.55	FEB. 8, 1999	55.88	MAY 5, 1999	54.00	JULY 20, 1999	56.84

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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. 20, 1998	48.67	FEB. 8, 1999	47.67	MAY 5, 1999	44.81	JULY 20, 1999	47.16

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 FAR RIGHT EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 1.63 FT ABOVE LSD. (RECORDER REMOVED FROM WELL JUNE 28, 1999)

LSD 59 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975.

LOWEST WATER LEVEL 60.27 BELOW LSD, JUNE 28, 1999.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1998	60.03	JAN. 5, 1999	54.75	MAR. 9, 1999	54.14	MAY 7, 1999	58.92
NOV. 3	55.51	FEB. 5	54.39	APR. 8	55.25	JUNE 28	60.27
DEC. 4	56.72						

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 FAR RIGHT EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.27 FT ABOVE LSD. (RECORDER REMOVED FROM WELL JUNE 28, 1999)

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. 1, 1998	89.98	JAN. 5, 1999	81.70	MAR. 9, 1999	77.96	MAY 7, 1999	82.46
NOV. 3	88.09	FEB. 5	80.55	APR. 8	81.18	JUNE 28	82.95
DEC. 4	83.91						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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 PLIOCENE AGE, DIAM 4 IN., DEPTH 1,234 FT, SCREENED 1,224-1,234. MP FAR RIGHT EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.02 FT ABOVE LSD. RECORDER REMOVED FROM WELL JUNE 28, 1999)
 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. 1, 1998	141.14	JAN. 5, 1999	129.58	MAR. 9, 1999	141.71	MAY 7, 1999	131.05
NOV. 3	141.75	FEB. 5	124.56	APR. 8	125.61	JUNE 28	127.33
DEC. 4	139.65						

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. 18, 1998	65.54	FEB. 5, 1999	64.72	MAY 4, 1999	65.12	JULY 22, 1999	66.62
NOV. 30	65.97						

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. 20, 1998	51.58	FEB. 4, 1999	49.48	MAY 5, 1999	49.36	JULY 20, 1999	50.73

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. 23, 1998	211.43	FEB. 8, 1999	222.70	MAY 5, 1999	234.67	JULY 26, 1999	233.36

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

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. 23, 1998	100.66	FEB. 8, 1999	84.13	MAY 4, 1999	92.07	JULY 27, 1999	101.28

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. 6, 1998	39.65	FEB. 4, 1999	34.77	MAY 6, 1999	40.65	JULY 20, 1999	39.07
NOV. 30	37.68						

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 PLEISTOCENE 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 95.85 BELOW LSD, SEP. 30, 1999.
 RECORDS AVAILABLE 1997-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1998	80.03H	JAN. 20, 1999	75.99	APR. 15, 1999	81.14	JULY 5, 1999	89.04
OCT. 27	74.29H	JAN. 25	75.41	APR. 20	82.79	JULY 10	89.21
OCT. 29	75.65H	JAN. 31	71.62	APR. 25	84.20	JULY 15	89.06
OCT. 30	73.40	FEB. 5	69.98	APR. 30	85.44	JULY 20	88.92
OCT. 31	73.41	FEB. 10	69.28	MAY 5	86.40	JULY 25	89.00
NOV. 5	72.58H	FEB. 15	69.18	MAY 10	86.80	JULY 31	89.20
NOV. 10	72.53	FEB. 20	67.79	MAY 15	86.44	AUG. 5	89.41
NOV. 15	71.67	FEB. 25	66.92	MAY 20	87.23	AUG. 10	90.23
NOV. 20	70.91	FEB. 28	66.85	MAY 25	87.55	AUG. 15	90.52
DEC. 2	72.49	MAR. 5	66.23	MAY 31	87.43	AUG. 20	91.66
DEC. 17	89.34	MAR. 10	66.35	JUNE 5	87.86	AUG. 25	92.65
DEC. 20	89.48	MAR. 15	66.30	JUNE 10	88.07	AUG. 31	93.52
DEC. 25	82.06	MAR. 20	65.88	JUNE 15	87.82	SEP. 5	93.82
DEC. 29	79.06H	MAR. 25	65.71	JUNE 16	87.96	SEP. 10	93.98
DEC. 31	78.59	MAR. 31	65.25	JUNE 17	87.99H	SEP. 15	94.24
JAN. 5, 1999	77.41	APR. 5	69.93	JUNE 20	88.35	SEP. 20	94.83
JAN. 10	76.78	APR. 7	71.68	JUNE 25	88.84	SEP. 25	95.48
JAN. 15	76.40	APR. 10	78.36	JUNE 30	88.99	SEP. 30	95.85

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH-Continued

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 29.09 BELOW LSD, FEB. 11, 1999.
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. 23, 1998	33.84	FEB. 11, 1999	30.06	MAY 7, 1999	36.01	JULY 27, 1999	34.00

302501091052601 LOCAL WELL NUMBER: EB-1293

OWNER: CAPITAL AREA GROUND WATER CONSERVATION COMMISSION. (SEC. 81, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 1,754 FT, SCREENED 780-800, 825-865 AND 1960-1744. MP HOLE IN 2 1/2-IN CAP, 4.82 FT ABOVE LSD.
LSD 45 FT ABOVE SEA LEVEL.
HIGHEST WATER LEVEL 119.38 BELOW LSD, JULY 22, 1999.
LOWEST WATER LEVEL 134. BELOW LSD (REPORTED), OCT. 13, 1998.
RECORDS AVAILABLE 1998-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1998	134.00R	JULY 11, 1999	121.61	AUG. 5, 1999	120.41	SEP. 5, 1999	127.79
JUNE 8, 1999	122.81H	JULY 10	121.85	AUG. 10	123.02	SEP. 10	127.46
JUNE 10	123.47	JULY 15	121.04	AUG. 11	121.21	SEP. 15	127.95
JUNE 15	122.02	JULY 20	120.47	AUG. 15	121.96	SEP. 20	129.13
JUNE 20	123.01	JULY 22	119.38J	AUG. 20	125.95	SEP. 25	129.94
JUNE 25	123.77	JULY 25	121.28	AUG. 25	127.33	SEP. 29	130.65
JUNE 30	123.56	JULY 31	120.25	AUG. 31	128.25	SEP. 30	130.04

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 HOLE IN CENTER OF WELL CAP, 0.05 FT BELOW 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. 5, 1998	15.91	JAN. 5, 1999	18.48	APR. 2, 1999	11.60	JULY 7, 1999	10.65

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
NOV. 13, 1998	82.29	FEB. 9, 1999	82.53	APR. 19, 1999	82.82	JULY 19, 1999	83.47

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. 13, 1998	204.28	FEB. 9, 1999	203.02	APR. 19, 1999	202.38	JULY 19, 1999	204.07

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
NOV. 18, 1998	129.68	FEB. 9, 1999	129.55	APR. 20, 1999	127.49	JULY 19, 1999	130.31

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. 1, 1998	98.47H	NOV. 20, 1998	96.48	JAN. 5, 1999	94.34	FEB. 15, 1999	93.90
OCT. 5	97.97	NOV. 25	96.07	JAN. 10	93.96	FEB. 20	93.90
OCT. 10	98.02	NOV. 30	95.76	JAN. 15	93.63	FEB. 25	93.85
OCT. 15	97.57	DEC. 5	95.55	JAN. 20	93.39	APR. 20	103.85H
OCT. 20	97.84	DEC. 10	95.64	JAN. 25	93.46	APR. 25	105.42
OCT. 25	98.37	DEC. 15	95.38	JAN. 28	93.00H	APR. 30	106.64
OCT. 31	98.50	DEC. 20	94.97	JAN. 30	92.89	JULY 27	99.57H
NOV. 5	98.98	DEC. 25	94.84	FEB. 5	92.80	AUG. 10	98.01
NOV. 10	97.57	DEC. 31	94.28	FEB. 10	92.69	AUG. 15	97.73
NOV. 15	96.82						

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 PVC CASING, 3.40 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. 9, 1999	17.78	SEP. 13, 1999	18.24				

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. (RECORDER REMOVED FROM WELL OCT. 8, 1999)

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. 8, 1998	11.71	MAR. 9, 1999	8.16	JULY 6, 1999	10.75	SEP. 13, 1999	11.39
JAN. 4, 1999	10.12	APR. 1	9.34				

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. 13, 1998	68.29	JAN. 14, 1999	69.07	APR. 1, 1999	68.72	JUL 8, 1999	68.77

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. 30, 1998	19.51	APR. 12, 1999	18.58	JULY 27, 1999	18.74	SEP. 20, 1999	19.65
JAN. 26, 1999	18.68						

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
NOV. 6, 1998	11.03	MAR. 10, 1999	1.19	APR. 27, 1999	.68	JULY 14, 1999	2.91
FEB. 22, 1999	+6.07						

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. 5, 1998	172.02	JAN. 6, 1999	187.37	APR. 2, 1999	184.35	JULY 6, 1999	181.26

321425092430901 LOCAL WELL NUMBER: JA-106

OWNER: JONESBORO, LA. (SEC. 31, T. 15N., R. 3W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 10 TO 6 IN., DEPTH 329 FT, SCREENED 281-329. MP TOP OF 10-IN CASING, 1.00 FT ABOVE LSD. LSD 180 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 149.95 BELOW LSD (REPORTED), MAY 4, 1977,

LOWEST WATER LEVEL 212.85 BELOW LSD, MAY 11, 1999.

RECORDS AVAILABLE 1966, 1977, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 11, 1999	212.85						

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 250.07 BELOW LSD, JULY 6, 1999.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 4, 1999	249.68	APR. 1, 1999	249.44	JULY 6, 1999	250.07		

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 58.62 BELOW LSD, FEB. 18, 1999,

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. 28, 1998	69.82	FEB. 18, 1999	58.62	APR. 14, 1999	66.30	JULY 8, 1999	66.91

GROUND-WATER LEVELS

JEFFERSON PARISH-Continued

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 TOP OF 1/2-IN PVC IN SANITARY SEAL, 2.0 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. 29, 1998	23.81	FEB. 19, 1999	22.34	APR. 14, 1999	22.27	JULY 7, 1999	22.39

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. CASING, 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. 29, 1998	+1.58	FEB. 19, 1999	+2.79	APR. 14, 1999	+3.63	JULY 7, 1999	+4.13

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. 2, 1998	72.58	JAN. 27, 1999	65.29	APR. 15, 1999	70.70	JULY 28, 1999	73.26

GROUND-WATER LEVELS

JEFFERSON DAVIS PARISH-Continued

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. 2, 1998	67.25	JAN. 10, 1999	58.41	APR. 10, 1999	74.12	JULY 5, 1999	74.98
OCT. 5	66.76	JAN. 15	58.08	APR. 15	75.23	JULY 10	74.50
OCT. 10	66.10	JAN. 20	57.72	APR. 20	81.20	JULY 15	71.65
OCT. 15	65.33	JAN. 25	57.47	APR. 25	81.84	JULY 20	70.01
OCT. 20	64.63	JAN. 27	57.40H	APR. 30	83.81	JULY 25	69.47
OCT. 25	64.12	JAN. 31	57.32	MAY 5	86.88	JULY 28	68.45H
OCT. 31	64.21	FEB. 5	57.18	MAY 10	89.13	JULY 31	70.77
NOV. 5	63.98	FEB. 7	57.11H	MAY 13	83.18H	AUG. 5	76.82
NOV. 10	63.60	FEB. 10	57.19	MAY 15	81.37	AUG. 10	76.32
NOV. 15	62.90	FEB. 15	57.69	MAY 20	82.42	AUG. 15	73.30
NOV. 20	62.23	FEB. 20	59.44	MAY 25	89.11	AUG. 20	73.77
NOV. 25	61.94	FEB. 25	64.43	MAY 29	91.09J	AUG. 25	73.23
NOV. 30	61.38	FEB. 28	65.19	MAY 31	88.34	AUG. 31	78.41
DEC. 5	60.98	MAR. 5	66.87	JUNE 5	82.49	SEP. 5	74.71
DEC. 10	60.58	MAR. 10	69.08	JUNE 10	78.47	SEP. 10	71.95
DEC. 15	60.16	MAR. 15	63.14	JUNE 15	75.48	SEP. 15	68.62
DEC. 20	59.82	MAR. 20	66.23	JUNE 20	75.01	SEP. 20	67.34
DEC. 25	59.52	MAR. 25	66.40	JUNE 25	79.82	SEP. 25	66.73
DEC. 31	59.11	MAR. 31	67.80	JUNE 30	73.97	SEP. 30	66.23
JAN. 5, 1999	58.78	APR. 5	64.48				

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. 2, 1998	68.06	JAN. 27, 1999	62.65	APR. 15, 1999	75.47	JULY 28, 1999	69.17

See footnotes at end of table.

GROUND-WATER LEVELS

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 41.14 BELOW LSD, JAN. 28, 1999,

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
OCT. 2, 1998	46.42	JAN. 28, 1999	41.14	APR. 20, 1999	44.34	JULY 27, 1999	43.87

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. 8, 1998	79.65	JAN. 4, 1999	77.77	APR. 1, 1999	77.44	JULY 6, 1999	78.11

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 185.77 BELOW LSD, OCT. 6, 1998.

RECORDS AVAILABLE 1950, 1962, 1967-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1998	185.77	APR. 1, 1999	183.81	MAY 26, 1999	183.62	JULY 6, 1999	184.02
JAN. 4, 1999	184.60						

324210092380401 LOCAL WELL NUMBER: L-5099Z

OWNER: LLOYD HANNA. (SEC. 24, T. 20N., R. 3W.) DRILLED ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 300 FT, SCREENED 280-300. MP TOP OF 4-IN. CASING, 2.4 FT ABOVE LSD.

LSD 129 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 142.40 BELOW LSD, MAY, 26, 1999,

LOWEST WATER LEVEL 142.40 BELOW LSD, MAY 26, 1999.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 26, 1999	142.40						

See footnotes at end of table.

GROUND-WATER LEVELS

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 116.2 ABOVE LSD, NOV. 30, 1950,
 LOWEST WATER LEVEL 36.0 ABOVE LSD, JULY 8, 1998.
 RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1998	+43.7	FEB. 3, 1999	+43.7	APR. 9, 1999	+43.0	JULY 1, 1999	+42.7

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 20.93 BELOW LSD, JULY 6, 1999.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1998	20.86	FEB. 3, 1999	20.43	APR. 9, 1999	20.16	JULY 6, 1999	20.93

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 13.4 ABOVE LSD, JULY 15, 1966,
 LOWEST WATER LEVEL 1.6 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. 9, 1998	+3.8	FEB. 5, 1999	+3.6	APR. 14, 1999	+6.1	JULY 7, 1999	+5.6

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 77.21 BELOW LSD, JULY 6, 1999.
 RECORDS AVAILABLE 1979, 1983, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1998	67.54	FEB. 5, 1999	73.97	APR. 9, 1999	61.69	JULY 6, 1999	77.21

See footnotes at end of table.

GROUND-WATER LEVELS

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. 5, 1998	12.68	MAR. 19, 1999	7.62	JULY 7, 1999	9.84	SEP. 14, 1999	12.46
JAN. 5, 1999	9.48	APR. 2	7.54				

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. 19, 1999	5.06	SEP. 14, 1999	9.74				

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. 5, 1998	164.32	JAN. 5, 1999	163.03	APR. 2, 1999	167.64	JULY 8, 1999	163.73

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. 13, 1998	14.80	JAN. 5, 1999	11.55	APR. 2, 1999	4.50	JULY 8, 1999	8.55

See footnotes at end of table.

GROUND-WATER LEVELS

MOREHOUSE PARISH-Continued

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. 10, 1999	94.50	SEP. 15, 1999	95.94				

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. 5, 1998	13.98	JAN. 5, 1999	8.03	APR. 2, 1999	3.67	JULY 8, 1999	8.96

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 48.39 BELOW LSD, OCT. 4, 1999,
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. 5, 1998	50.34	JAN. 5, 1999	49.68	APR. 6, 1999	49.90	JULY 8, 1999	48.70

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 276 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 32.54 BELOW LSD, OCT. 2, 1998.
RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1998	32.54	JAN. 5, 1999	31.20	APR. 2, 1999	30.20	JULY 8, 1999	31.20

GROUND-WATER LEVELS

MOREHOUSE PARISH

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. 10, 1999	15.28	SEP. 13, 1999	16.26				

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. 5, 1998	36.48	MAR. 10, 1999	35.22	JULY 8, 1999	35.35	SEP. 15, 1999	36.57
JAN. 5, 1999	35.87	APR. 2	35.09				

NATCHITOCHES PARISH

312934093114801 LOCAL WELL NUMBER: NA-9

OWNER: U.S. FOREST SERVICE. (SEC. 21, T. 6N., R. 8W.) DRILLED ARTESIAN WELL IN 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. 16, 1998	7.71	JAN. 5, 1999	7.54	APR. 2, 1999	7.19	JULY 20, 1999	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, 1998	79.44	JAN. 5, 1999	73.34	APR. 5, 1999	72.41	JULY 13, 1999	73.14H
OCT. 10	79.52	JAN. 10	72.92	APR. 10	72.78	JULY 15	73.24
OCT. 15	79.31	JAN. 15	72.80	APR. 15	72.74	JULY 20	73.18
OCT. 20	79.14	JAN. 20	72.36	APR. 20	72.88	JULY 25	73.28
OCT. 25	79.38	JAN. 25	72.28	APR. 25	72.82	JULY 31	73.38
OCT. 31	78.99	JAN. 31	71.86	APR. 30	72.82	AUG. 5	73.24
NOV. 2	78.78H	FEB. 5	71.58	MAY 17	73.86H	AUG. 10	73.10
NOV. 5	78.95	FEB. 10	71.49	MAY 20	73.94	AUG. 15	73.29
NOV. 10	78.34	FEB. 15	71.60	MAY 25	73.97	AUG. 20	73.24
NOV. 15	77.60	FEB. 18	71.35H	MAY 31	74.14	AUG. 25	71.79
NOV. 20	77.16	FEB. 20	71.27	JUNE 5	74.24	AUG. 31	71.19
NOV. 25	76.69	FEB. 25	71.25	JUNE 10	74.18	SEP. 5	70.77
NOV. 30	76.37	FEB. 28	71.39	JUNE 15	73.99	SEP. 10	70.31
DEC. 5	75.94	MAR. 5	71.74	JUNE 20	74.12	SEP. 15	69.98
DEC. 10	75.62	MAR. 10	71.89	JUNE 25	74.09	SEP. 20	69.58
DEC. 15	75.15	MAR. 15	71.90	JUNE 30	73.66	SEP. 25	69.76
DEC. 20	74.60	MAR. 20	71.95	JULY 5	73.46	SEP. 29	69.45J
DEC. 25	74.13	MAR. 25	72.11	JULY 10	73.29	SEP. 30	69.57
DEC. 31	73.70	MAR. 31	72.21				

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. 29, 1998	36.92	FEB. 18, 1999	37.29	APR. 12, 1999	37.49	JULY 7, 1999	37.35

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. 29, 1998	+51.4	FEB. 18, 1999	+49.9	APR. 12, 1999	+49.9	JULY 7, 1999	+50.4

300136090034801 LOCAL WELL NUMBER: OR-186

OWNER: UNIV. OF NEW ORLEANS. (SEC. , T. 12S., R. 11E.) DRILLED UNUSED ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER PLEISTOCENE AGE, DIAM 18 TO 12 IN., DEPTH 654 FT, SCREENED 516-576 AND 614-654. MP TOP OF 2-IN. BREATHER PIPE, 3.30 FT ABOVE LSD.

LSD 4 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 75.61 ABOVE LSD, APR. 12, 1999,

LOWEST WATER LEVEL 143.00 ABOVE LSD, JAN. 1, 1970.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1998	90.32	APR. 12, 1999	75.61				

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 BELOW 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
NOV. 2, 1998	73.26	MAR. 22, 1999	70.45	SEP. 27, 1999	71.21		

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 EDGE OF 18-IN. CASING, 5.03 FT BELOW LSD.

LSD 5 FT ABOVE 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
APR. 12, 1999	76.33	JULY 7, 1999	70.56				

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. (RECORDER REMOVED)
 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. 3, 1998	295.47	NOV. 25, 1998	289.28	JAN. 25, 1999	291.64	MAR. 20, 1999	291.66
OCT. 5	292.99	NOV. 30	290.00	FEB. 5	290.08	MAR. 25	293.37
OCT. 9	290.39	DEC. 15	289.35	FEB. 10	290.76	MAR. 31	294.18
OCT. 10	288.55	DEC. 25	289.07	FEB. 20	288.70	APR. 2	292.82
OCT. 15	292.47	DEC. 31	292.77	FEB. 28	288.71	APR. 5	293.20
OCT. 20	289.59	JAN. 5, 1999	290.99	MAR. 1	285.55	APR. 15	295.04
OCT. 25	291.25	JAN. 10	291.05	MAR. 5	291.54	APR. 20	292.04
NOV. 5	286.55	JAN. 15	291.05	MAR. 10	292.21	APR. 25	293.59
NOV. 15	289.82	JAN. 20	291.51	MAR. 15	292.75	JULY 9	294.96
NOV. 20	286.65						

323052092104102

LOCAL WELL NUMBER: OU-154

OWNER: WEST MONROE, LA. (SEC. 29, T. 18N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 16 TO 8.6 IN., DEPTH 429 FT, SCREENED 379-429. MP TOP OF 2-IN. BREATHER NIPPLE WITH ELBOW REMOVED, 3.2 FT ABOVE LSD.
 LSD 130 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 236.95 BELOW LSD (REPORTED), MAR. 31, 1955,
 LOWEST WATER LEVEL 299.66 BELOW LSD, MAY 24, 1999.
 RECORDS AVAILABLE 1955, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24, 1999	299.66						

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 114.44 BELOW LSD, SEP. 14, 1999.
 RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 14, 1999	114.44						

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. 8, 1999	56.09	SEP. 21, 1999	57.92				

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 67.15 BELOW LSD, SEP. 21, 1999.
 RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1999	65.45	SEP. 21, 1999	67.15				

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 134.94 BELOW LSD, SEP. 21, 1999.
 RECORDS AVAILABLE 1965-71, 1974-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1999	132.02	SEP. 21, 1999	134.94				

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 238.31 BELOW LSD, OCT. 13, 1998.
 RECORDS AVAILABLE 1969-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1998	238.31	JAN. 14, 1999	236.08	APR. 2, 1999	234.45	JULY 9, 1999	237.55

323215092114202 LOCAL WELL NUMBER: OU-5091Z

OWNER: KERRY WALKER. (SEC. 19, T. 18N., R. 3E.) DRILLED DOMESTIC ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN., DEPTH 380 FT, SCREENED 360-380. MP TOP OF SANITARY SEAL, 0.60 FT ABOVE LSD.
 LSD 380 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 275. BELOW LSD (REPORTED), AUG. 10, 1986.
 LOWEST WATER LEVEL 295.13 BELOW LSD, MAY 24, 1999.
 RECORDS AVAILABLE 1986, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24, 1999	295.13						

GROUND-WATER LEVELS

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. 9, 1998	21.62	FEB. 11, 1999	12.75	APR. 26, 1999	11.55	JULY 15, 1999	14.88

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 68.86 BELOW LSD, JULY 15, 1999.
 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. 9, 1998	64.11	FEB. 11, 1999	65.48	APR. 21, 1999	65.63	JULY 15, 1999	68.86

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 4.22 BELOW LSD, NOV. 9, 1998.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1998	4.22	FEB. 11, 1999	3.56	APR. 26, 1999	3.77	JULY 15, 1999	3.82

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 43.25 BELOW LSD, JULY 15, 1999.
 RECORDS AVAILABLE 1972-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1998	40.96	FEB. 11, 1999	41.63	APR. 26, 1999	41.94	JULY 15, 1999	43.25

GROUND-WATER LEVELS

POINTE COUPEE PARISH-Continued

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 14.10 BELOW LSD, NOV. 9, 1998.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1998	14.10	FEB. 11, 1999	9.98	APR. 26, 1999	12.34	JULY 15, 1999	12.66

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. 9, 1998	12.46	FEB. 11, 1999	11.02	APR. 26, 1999	10.66	JULY 15, 1999	11.49

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 12 TO 8.6 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. 9, 1998	58.72	FEB. 11, 1999	51.60	APR. 21, 1999	49.59	JULY 15, 1999	48.33

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 34.57 BELOW LSD, JULY 15, 1999.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1998	34.01	FEB. 11, 1999	34.17	APR. 26, 1999	34.09	JULY 15, 1999	34.57

GROUND-WATER LEVELS

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, 1998	52.73	JUNE 6, 1999	52.72	APR. 2, 1999	52.25	JULY 13, 1999	52.42

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. 16, 1998	219.68	JAN. 6, 1999	219.26	APR. 2, 1999	219.18	JULY 13, 1999	218.68

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 PLEISTOCENE-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, 1998	245.57	JAN. 6, 1999	243.96	APR. 2, 1999	241.22	JULY 13, 1999	239.54

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 PLEISTOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 500 FT, SCREENED 490-500. MP TOP OF CASING, 0.45 BELOW 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. 16, 1998	55.56	JAN. 6, 1999	54.80	APR. 2, 1999	68.34	JULY 8, 1999	63.66

GROUND-WATER LEVELS

RAPIDES PARISH-Continued

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, 1998	80.36	JAN. 6, 1999	80.38	APR. 2, 1999	80.31	JULY 8, 1999	80.35

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. 8, 1998	17.42	JAN. 4, 1999	17.04	APR. 1, 1999	16.90	JULY 9, 1999	17.65

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, 1998	20.70	JAN. 5, 1999	19.68	APR. 1, 1999	18.85	JULY 7, 1999	19.65

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, 1998	11.31	JAN. 5, 1999	11.14	APR. 1, 1999	10.28	JULY 7, 1999	10.06

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 TO 1 1/4 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. 9, 1999	34.02	SEP. 20, 1999	34.18				

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. 9, 1999	30.55	SEP. 20, 1999	30.65				

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. 9, 1999	26.72	SEP. 20, 1999	26.83				

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. 16, 1998	12.33	JAN. 5, 1999	7.88	APR. 1, 1999	6.30	JULY 9, 1999	8.39

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 COCK-FIELD 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. 16, 1998	24.61	JAN. 5, 1999	24.18	APR. 1, 1999	23.64	JULY 9, 1999	23.86

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 SANITARY 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
NOV. 5, 1998	86.49	FEB. 3, 1999	86.49	APR. 8, 1999	85.59	JULY 6, 1999	86.61

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. 30, 1998	14.99	FEB. 16, 1999	6.98	APR. 14, 1999	8.48	JULY 8, 1999	10.52

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. VENT 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. 29, 1998	14.25	FEB. 9, 1999	8.03	APR. 14, 1999	7.46	JULY 8, 1999	9.56

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. 30, 1998	17.46	FEB. 22, 1999	6.87	APR. 14, 1999	10.08	JULY 8, 1999	13.82

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 94.8 ABOVE LSD, SEP. 23, 1974,
 LOWEST WATER LEVEL 42.8 ABOVE LSD, MAR. 17, 1998.
 RECORDS AVAILABLE 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1998	+47.6	MAR. 18, 1999	+51.6	JULY 8, 1999	+43.7	SEP. 28, 1999	+48.0
FEB. 18, 1999	+46.4	APR. 16	+49.4				

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 46.4 ABOVE LSD, JULY 13, 1998.
 RECORDS AVAILABLE 1985, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1998	+53.1	MAR. 18, 1999	+51.8	JULY 8, 1999	+48.9	SEP. 28, 1999	+52.6
FEB. 18, 1999	+53.3	APR. 16	+50.8				

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 67.4 ABOVE LSD, APR. 19, 1994,
 LOWEST WATER LEVEL 52.8 ABOVE LSD, JULY 8, 1999.
 RECORDS AVAILABLE 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30, 1998	+54.0	MAR. 18, 1999	+53.9	JULY 8, 1999	+52.8	SEP. 28, 1999	+54.4
FEB.18, 1999	+54.3	APR. 16	+53.0				

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. 1, 1998	54.19	JAN. 28, 1999	54.89	APR. 20, 1999	55.02	JULY 27, 1999	55.71

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
FEB. 12, 1999	2.96	APR. 12, 1999	3.12	SEP. 20, 1999	8.13		

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. 5, 1998	9.33	FEB 12, 1999	3.72	JULY 27, 1999	5.29	SEP. 20, 1999	8.65
JAN. 29, 1999	6.45	APR. 12	3.55				

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. 5, 1998	15.98	JAN. 26, 1999	16.04	APR. 12, 1999	19.37	JULY 27, 1999	17.80

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 11.82 BELOW LSD, OCT. 29, 1999.

RECORDS AVAILABLE 1964-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1998	11.82	APR. 12, 1999	10.97	SEP. 20, 1999	9.50		

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 28.0 ABOVE LSD, OCT. 19, 1949,

LOWEST WATER LEVEL 17.4 ABOVE LSD, OCT. 18, 1995.

RECORDS AVAILABLE 1949, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1998	+20.5	FEB. 2, 1999	+20.9	JULY 1, 1999	+20.6		

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 118.9 ABOVE LSD, JUNE 12, 1958,

LOWEST WATER LEVEL 48.8 ABOVE LSD, JULY 1, 1999.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1998	+52.0	FEB. 2, 1999	+50.5	APR. 7, 1999	+51.9	JULY 1, 1999	+48.8

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 108.0 ABOVE LSD, FEB. 23, 1961,

LOWEST WATER LEVEL 43.6 ABOVE LSD, FEB. 28, 1996.

RECORDS AVAILABLE 1961, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1998	+45.7	FEB. 2, 1999	+46.8	APR. 7, 1999	+47.1	JULY 1, 1999	+44.2

See footnotes at end of table.

GROUND-WATER LEVELS

ST. TAMMANY PARISH

301838089485002 LOCAL WELL NUMBER: ST-776

OWNER: LOUISIANA NATIONAL GUARD. (SEC. 32, T. 8S., R. 14E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE LOWER PONCHATOU LA AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 8 TO 4 IN., DEPTH 887 FT, SCREENED 862-887. MP CENTER LINE OF 1-IN. FAUCET, 3.10 FT ABOVE LSD.
 LSD 16 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL +17.0 ABOVE LSD, NOV. 4, 1998,
 LOWEST WATER LEVEL +4.1 ABOVE LSD, OCT. 4, 1999.
 RECORDS AVAILABLE 1982, 1993-94, 1998-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1998	+17.0	JULY 1, 1999	+4.2				

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 38.25 BELOW LSD, JULY 6, 1999.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1998	36.98	FEB. 3, 1999	36.61	APR. 8, 1999	36.78	JULY 6, 1999	38.25

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 128.0 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
NOV. 4, 1998	+9.70	FEB. 3, 1999	+9.6	APR. 9, 1999	+10.2	JULY 6, 1999	+10.2

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 127.2 ABOVE LSD, APR. 12, 1960, MAY 17, 1960,
 LOWEST WATER LEVEL 76.0 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. 9, 1998	+77.0	FEB. 5, 1999	+77.0	APR. 9, 1999	+76.4	JULY 7, 1999	+76.4

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 87.8 ABOVE LSD, JAN. 14, 1961,
 LOWEST WATER LEVEL 50.9 ABOVE LSD, JULY 6, 1999.
 RECORDS AVAILABLE 1961, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1998	+53.0	FEB. 3, 1999	+51.9	APR. 8, 1999	+51.8	JULY 6, 1999	+50.9

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 28.0 ABOVE LSD, JULY 10, 1998.
 RECORDS AVAILABLE 1969, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1998	+29.4	FEB. 2, 1999	+29.6	APR. 9, 1999	+29.6	JULY 1, 1999	+28.6

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
OCT. 13, 1998	21.59	FEB. 3, 1999	22.21	APR. 8, 1999	21.42	JUNE 8, 1999	22.28
NOV. 5	21.94	FEB. 16	22.15	APR. 13	21.49	AUG. 4	22.62
DEC. 16	22.28						

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 8.83 BELOW LSD, JULY 6, 1999.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1998	7.57	FEB. 3, 1999	8.09	APR. 8, 1999	8.07	JULY 6, 1999	8.83

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
NOV. 5, 1998	75.21	FEB. 3, 1999	74.96	APR. 8, 1999	75.44	JULY 6, 1999	78.37
FEB. 2, 1999	82.56						

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. 8, 1998	15.19	JAN. 4, 1999	13.40	APR. 1, 1999	10.60	JULY 7, 1999	13.42

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 193.86 BELOW LSD, JULY 8, 1999.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1998	193.32	JAN. 11, 1999	193.30	APR. 2, 1999	193.18	JULY 8, 1999	193.86

325647092241501 LOCAL WELL NUMBER: UN-84

OWNER: U. S. GEOLOGICAL SURVEY, USA. (SEC. 30, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 696 FT, SCREENED 686-696. MP TOP OF CASING, 3.0 FT ABOVE LSD.

LSD 210 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 196.09 BELOW LSD, OCT. 17, 1968,

LOWEST WATER LEVEL 258.25 BELOW LSD, SEP. 21, 1999.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 9, 1999	257.14	SEP. 21, 1999	258.25				

GROUND-WATER LEVELS

UNION PARISH

32471109222701 LOCAL WELL NUMBER: UN-97

OWNER: ROY HOLLER. (SEC. 27, T. 21N., R. 1w.) DRILLED DOMESTIC ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN., DEPTH 260 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF SANITARY SEAL ABOVE CONCRETE BLOCK, 0.60 FT ABOVE LSD.

LSD 80.0 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 125.21 BELOW LSD, MAY 25, 1999,

LOWEST WATER LEVEL 125.21 BELOW LSD, MAY 25, 1999.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 25, 1999	125.21						

324708092231001 LOCAL WELL NUMBER: UN-157

OWNER: FARMERVILLE, LA. (SEC. 29, T. 21N., R. 1E.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN., DEPTH 674 FT, SCREENED 604-674. MP LIP OF 12-IN. CASING, 1.60 FT ABOVE LSD.

LSD 220 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 231.00 BELOW LSD (REPORTED), AUG. 26, 1981,

LOWEST WATER LEVEL 250.13 BELOW LSD, MAY 25, 1999.

RECORDS AVAILABLE 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY. 25, 1999	250.13						

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. 29, 1998	12.22	APR. 14, 1999	11.86	SEP. 22, 1999	13.32		

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. 29, 1998	11.76	JAN. 26, 1999	10.06	APR. 14, 1999	11.74	JULY 27, 1999	9.88

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 10.36 BELOW LSD, SEP. 22, 1999.

RECORDS AVAILABLE 1965-79, 1981, 1983-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1998	9.54	APR. 14, 1999	9.55	SEP. 22, 1999	10.36		

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. 2, 1998	135.77	OCT. 23, 1998	135.61	JUNE 1, 1999	133.25		

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 154.38 BELOW LSD, OCT. 23, 1998.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1998	152.25	OCT. 23, 1998	154.38	JUNE 1, 1999	146.88		

GROUND-WATER LEVELS

VERNON PARISH-Continued

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 145.00 BELOW LSD, DEC. 10, 1980,

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. 23, 1998	155.97	JAN. 1, 1999	160.38				

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. 23, 1998	234.22	JUNE 1, 1999	236.14				

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
OCT. 2, 1999	140.80	OCT. 23, 1998	141.14	JUNE 2, 1999	138.34		

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. 23, 1998	190.09	JUNE 2, 1999	189.96				

GROUND-WATER LEVELS

VERNON PARISH-Continued

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 201.32 BELOW LSD, OCT. 2, 1998.
 RECORDS AVAILABLE 1986, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1998	201.32	OCT. 23, 1998	177.18	JUNE 1, 1999	174.22		

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 5.22 BELOW LSD, JUNE 3, 1999.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 3, 1999	5.22						

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, 1998,
 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
JUNE 3, 1999	9.02						

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
JUNE 3, 1999	4.95						

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
JUNE 3, 1999	9.12						

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
JUNE 3, 1999	9.71						

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
JUNE 3, 1999	7.62						

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
JUNE 3, 1999	6.26						

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 PLIOCENE 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
JUNE 3, 1999	7.54						

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
JUNE 4, 1999	3.66						

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
JUNE 3, 1999	1.32						

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 PLIOCENE 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
JUNE 3, 1999	2.74						

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. 23, 1998	248.56	JUNE 1, 1999	246.34				

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. 2, 1998	228.32	OCT. 23, 1998	226.71	JUNE 1, 1999	222.68		

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. 2, 1998	264.58	OCT. 23, 1998	255.01	JUNE 1, 1999	249.98		

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
JUNE 4, 1999	6.22						

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
JUNE 3, 1999	0.91						

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
JUNE 3, 1999	11.08						

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
JUNE 3, 1999	2.59						

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 13.09 BELOW LSD, JUNE 3, 1999.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 3, 1999	13.09						

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
JUNE 3, 1999	2.85						

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 11.01 BELOW LSD, JUNE 3, 1999,
 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
JUNE 3, 1999	11.01						

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 5.03 BELOW LSD, JUNE 3, 1999,
 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
JUNE 3, 1999	5.03						

GROUND-WATER LEVELS

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
NOV. 3, 1998	9.29	FEB. 2, 1999	8.15	APR. 7, 1999	8.33	JULY 2, 1999	9.22

304612089512401 LOCAL WELL NUMBER: WA-158

OWNER: BOGALUSA, LA. (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 101.35 BELOW LSD, JULY 2, 1999.

RECORDS AVAILABLE 1987, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1998	83.41	FEB. 2, 1999	82.56	APR. 7, 1999	83.70	JULY 2, 1999	101.35

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 42.45 BELOW LSD, JULY 6, 1999,

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. 9, 1998	46.09	JAN. 11, 1999	45.05	APR. 1, 1999	44.25	JULY 6, 1999	42.45

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: PORT ALLEN, LA. (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
OCT. 22, 1998	86.80	FEB. 12, 1999	83.29	APR. 27, 1999	83.78	JULY 14, 1999	83.69

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH-Continued

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
OCT. 22, 1998	117.09	FEB. 12, 1999	112.66	APR. 26, 1999	115.38	JULY 14, 1999	120.21

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
OCT. 22, 1998	167.15	FEB. 12, 1999	160.03	APR. 26, 1999	153.34	JULY 14, 1999	165.63

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
OCT. 22, 1998	51.32	FEB. 11, 1999	48.11	APR. 26, 1999	49.44	JULY 15, 1999	50.51

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
OCT. 22, 1998	162.26	FEB. 11, 1999	160.41	APR. 26, 1999	167.57	JULY 15, 1999	175.86

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH-Continued

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
OCT. 22, 1998	220.16	FEB. 11, 1999	225.21	APR. 27, 1999	239.67	JULY 14, 1999	244.57

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 9.2 BELOW LSD, JULY 2, 1999.

RECORDS AVAILABLE 1970-71, 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1998	+ 10.9	FEB. 26, 1999	+11.7	MAY 3, 1999	+10.5	JULY 2, 1999	+9.2

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
NOV. 9, 1998	83.80	FEB. 18, 1999	77.29				

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 MIOCENE 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
OCT. 22, 1998	67.28	FEB. 12, 1999	55.48	APR. 27, 1999	59.68	JULY 14, 1999	62.31
DEC. 9	57.03						

See footnotes at end of table.

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH--Continued

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
OCT. 22, 1998	10.33	FEB. 11, 1999	+4.8	APR. 27, 1999	1.41	JULY 14, 1999	3.75

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 PLEISTOCENE 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
OCT. 22, 1998	44.31	FEB. 11, 1999	42.64	APR. 26, 1999	43.68	JULY 14, 1999	44.79
DEC.	44.23						

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 PLEISTOCENE 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
OCT. 22, 1998	102.56	FEB. 12, 1999	99.78	MAY 3, 1999	88.38	JULY 14, 1999	100.56

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
OCT. 22, 1998	41.38	FEB. 12, 1999	35.07	MAY 3, 1999	30.40	JULY 14, 1999	34.39

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH--Continued

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 68.36 BELOW LSD, JULY 14, 1999.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1998	60.67	FEB. 11, 1999	61.04	MAY 9, 1999	65.83	JULY 14, 1999	68.36

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 COCK-FIELD 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 32.64 BELOW LSD, OCT. 5, 1998.
 RECORDS AVAILABLE 1955-82, 1984-87, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1998	32.64	JAN. 5, 1999	32.14	APR. 2, 1999	31.61	JULY 7, 1999	31.75

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 32.04 BELOW LSD, JAN. 5, 1999.
 RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1998	32.01	JAN. 5, 1999	32.04	APR. 2, 1999	31.53	JULY 7, 1999	31.29

GROUND-WATER LEVELS

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
NOV. 13, 1998	13.36	FEB. 9, 1999	10.15	APR. 19, 1999	14.09	JULY 19, 1999	11.11

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
NOV. 13, 1998	13.48	FEB. 9, 1999	9.14	APR. 19, 1999	7.61	JULY 19, 1999	12.69

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. 13, 1998	95.10	FEB. 9, 1999	95.49	APR. 19, 1999	95.64	JULY 19, 1999	96.04

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. 18, 1998	121.39	FEB. 9, 1999	120.17	APR. 19, 1999	121.81	JULY 19, 1999	122.38

GROUND-WATER LEVELS

WEST FELICIANA PARISH-Continued

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 105.99 BELOW LSD, JULY 19, 1999.
 RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1998	105.11	FEB. 9, 1999	104.74	APR. 19, 1999	104.99	JULY 19, 1999	105.99

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
NOV. 18, 1998	213.85	FEB. 9, 1999	211.04	APR. 23, 1999	214.35	JULY 19, 1999	212.55

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 940-992. 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
NOV. 18, 1998	244.77	FEB. 9, 1999	244.15	APR. 23, 1999	246.50	JULY 19, 1999	249.07

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. 13, 1998	63.78	JAN. 14, 1999	60.85	APR. 2, 1999	66.47	JULY 8, 1999	67.12

GROUND-WATER LEVELS

WINN PARISH--Continued

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. 9, 1999	48.61	SEP. 22, 1999	51.27				

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 94.75 BELOW LSD, APR. 1, 1999.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1998	94.35	JAN. 4, 1999	94.58	APR. 1, 1999	94.75	JULY 6, 1999	95.08

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 124.62 BELOW LSD, SEP. 9, 1999.
 RECORDS AVAILABLE 1979-87, 1989, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1999	116.56	SEP. 9, 1999	124.62	SEP. 22, 1999	120.62		

320358092455701 LOCAL WELL NUMBER: W-5045Z

OWNER: GARY COPELAND. (SEC. 34, T. 13N., R. 4W.) DRILLED DOMESTIC ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN., DEPTH 100 FT, SCREENED 90-100. 1/2-IN. HOLE IN SANITARY SEAL, 0.8 FT ABOVE LSD.
 LSD 180 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 40. BELOW LSD (REPORTED), OCT. 14, 1985,
 LOWEST WATER LEVEL 58.35 BELOW LSD, MAY 10, 1999.
 RECORDS AVAILABLE 1985, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 10, 1999	58.35						

- * Measuring point.
 + Above land-surface datum.
 H Tape measurement (recorder).
 J Recorder measurement for a time other than noon.
 R Reported measurement.

QUALITY OF GROUND WATER
SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS
IN LOUISIANA, OCTOBER 1998 TO SEPTEMBER 1999
[See end of table for explanation of hydrogeologic unit (aquifer) codes]

Local. well number	Location section, township and range	Station number	Hydro- geologic unit code	Depth of well (feet)	Date of sample	Depth below land surface (water level) (feet) (72019)	Specific conduct- ance field (mS/cm) (00095)	Chloride dissolved (mg/L as Cl) (00940)
ACADIA PARISH								
AC- 451	S 34 T10SR 1W	300740092265001	112CHCTU	293	02-12-99	--	785	40
					04-15-99	--	788	39
					09-23-99	--	810	39
ASCENSION PARISH								
AN- 547	S 15 T 9S R 3E	301557090541001	112GZNO	535	09-28-99	--	277	6.1
CALCASIEU PARISH								
CU- 615	S 4 T10SR 9W	301338093172801	11205LC	533	10-28-98	--	722	120
CU- 694	S 19 T10SR 9W	301044093195101	11205LC	556	01-27-99	--	2160	550
					04-13-99	--	2090	540
CU- 767	S 20 T10SR 8W	301036093124401	11207LC	850	10-28-98	77.20	3590	990
					04-13-99	73.67	3490	980
					09-21-99	79.40	3660	990
CU- 771	S 5 T10SR 9W	301336093183002	11202LC	241	10-28-98	62.88	436	16
					04-12-99	60.42	425	16
					09-21-99	64.15	436	16
CU- 787	S 36 T11SR10W	300353093210201	11205LC	734	10-28-98	56.12	554	52
					04-13-99	53.59	535	50
CU-1385	S 4 T10SR 9W	301324093170501	11207LC	580	09-21-99	56.82	545	51
					04-13-99	--	786	140
					09-21-99	--	819	140
CAMERON PARISH								
CN- 80L	S 24 T12SR 3W	295846092381105	112CHCTU	481	06-08-99	34.95	1300	260
					09-22-99	38.30	1200	270
CN- 86L	S 13 T12SR12W	300120093320802	11205LC	641	04-13-99	38.63	1940	460
CN- 88L	S 14 T12SR 8W	300055093093004	11205LC	804	10-29-98	52.32	2420	580
					04-14-99	50.56	2330	580
					09-22-99	53.08	2410	590
CN- 90	S 4 T13SR 7W	295611093044801	11202LC	396	10-29-98	32.50	1020	170
					04-14-99	30.36	968	170
					09-22-99	34.78	1010	170
CN- 92	S 12 T12SR 7W	300104093015601	11202LC	443	10-29-98	40.21	1840	400
					04-14-99	32.02	1710	380
					09-22-99	44.15	1940	430
CONCORDIA PARISH								
CO- 205	S 4 T 5NR 8E	312614091400001	112MRVA	130	03-17-99	9.28	893	40
					09-15-99	19.47	863	42
CO- 215	S 3 T 5NR 8E	312630091390001	112MRVA	121	03-17-99	5.95	3210	810
					09-15-99	19.47	3370	830

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS
IN LOUISIANA, OCTOBER 1998 TO SEPTEMBER 1999 -- Continued

Local well number	Location section, township and range	Station number	Hydro- geologic unit code	Depth of well (feet)	Date of sample	Depth below land surface (water level) (feet) (72019)	Specific conduct- ance field (mS/cm) (00095)	Chloride dissolved (mg/L as Cl) (00940)
EAST BATON ROUGE PARISH								
EB- 151	S 82 T 7S R 1E	302641091085801	12223BR	2,658	01-06-99	--	336	2.5
EB- 413	S 81 T 7S R 1E	302642091083201	12115BR	1,745	01-06-99	--	317	2.5
EB- 434	S 49 T 7S R 1W	302619091104003	11206BR	611	01-04-98	64.10	454	57
EB- 621	S 39 T 7S R 1E	302500091052501	12112BR	1,487	01-06-99	--	318	5.1
EB- 630	S 48 T 7S R 1W	302651091112408	12220BR	2,253	01-06-99	--	a522	33
EB- 700	S 88 T 6S R 1E	303130091073101	12228BR	2,557	02-02-99	--	592	8.1
EB- 733	S 81 T 7S R 1E	302647091083301	12223BR	2,637	01-06-99	--	320	2.5
EB- 750	S 75 T 6S R 1W	303141091114801	12228BR	2,643	01-06-99	--	635	46
EB- 771	S 81 T 7S R 1E	302646091083801	12115BR	1,739	01-06-99	--	323	2.9
EB- 778	S 94 T 7S R 1E	302509091082701	12220BR	2,586	12-02-98	10.30	979	150
EB- 780A	S 94 T 7S R 1E	302509091082702	12112BR	1,622	12-01-98	38.97	3060	890
EB- 781	S 94 T 7S R 1E	302535091090401	12220BR	2,286	12-29-98	195.97	10000	3500
EB- 782A	S 94 T 7S R 1E	302535091090402	12110BR	1,189	12-07-98	27.33	1830	480
EB- 783A	S 54 T 7S R 1W	302502091113601	12115BR	2,179	12-16-98	64.34	1730	310
EB- 783B	S 54 T 7S R 1W	302502091113602	12220BR	2,675	12-16-98	--	3300	760
EB- 789B	S 93 T 7S R 1E	302511091070402	12115BR	1,721	12-07-98	50.89	9730	3300
EB- 792B	S 95 T 7S R 1E	302605091080602	12220BR	2,286	12-15-98	--	375	2.6
EB- 793	S 71 T 7S R 1W	302719091103201	11206BR	687	12-02-98	59.10	336	3.6
EB- 798	S 39 T 6S R 1W	303133091103101	12228BR	2,647	01-06-99	--	1160	230
EB- 803B	S 5 T 8S R 2E	302306091022602	12220BR	2,565	11-24-98	--	2290	570
EB- 804A	S 70 T 7S R 1E	302428091035001	12117BR	1,950	12-14-98	105.96	387	2.8
EB- 804B	S 70 T 7S R 1E	302428091035002	12224BR	2,762	12-14-98	107.22	594	67
EB- 805	S 70 T 7S R 1E	302428091035003	12110BR	1,072	12-14-98	76.26	23800	8800
EB- 825	S 96 T 7S R 1E	302553091092002	11204BR	475	11-24-98	--	275	3.6
EB- 870	S 44 T 7S R 1W	302729091100601	11206BR	692	11-24-98	73.85	289	2.7
EB- 879	S 61 T 7S R 2E	302402091005201	11206BR	664	02-22-99	--	301	2.8
EB- 917	S 95 T 7S R 1E	302614091083001	12115BR	1,736	12-28-98	134.07	343	16
EB- 918	S 91 T 7S R 1E	302547091074401	12115BR	1,834	12-30-98	127.07	1040	250
EB- 990	S 24 T 7S R 1E	302509091035301	12112BR	1,450	02-19-99	--	312	2.4
EB-1000	S 69 T 6S R 1W	303251091115001	12228BR	2,926	11-30-98	65.97	761	83
EB-1007	S 71 T 7S R 1W	302711091111501	12108BR	845	12-01-98	--	342	2.9
EB-1017C	S 57 T 7S R 2E	302406091021203	11204BR	567	01-06-99	--	283	3.6
EB-1028	S 53 T 7S R 1W	302605091100901	12220BR	2,238	12-17-98	--	1130	240
EB-1150	S 74 T 7S R 1W	302653091103703	12220BR	2,242	01-06-99	--	449	41
EB-1253	S 48 T 7S R 1W	302652091112410	12223BR	2,687	01-06-99	--	352	3.9
EB-1264	S 20 T 7S R 2E	302543091015001	11204BR	498	11-30-98	37.68	229	5.2
EB-1293A	S 81 T 7S R 1E	302636091083801	11208BR	865	10-28-98	--	335	2.3
FRANKLIN PARISH								
FR- 720	S 30 T14NR 8E	320941091411301	112MRVA	100	03-09-99	17.78	9940	3200
					09-13-99	18.24	9910	3000
FR- 721	S 25 T14NR 7E	320958091425501	112MRVA	77	03-09-99	8.16	1740	290
					09-13-99	11.39	1740	280
IBERIA PARISH								
I- 93	S 5 T 12SR 7E	300035091443301	112CHCTU	585	10-30-98	19.51	789	50
					04-12-99	18.58	752	47
					09-20-99	19.65	763	45

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS
IN LOUISIANA, OCTOBER 1998 TO SEPTEMBER 1999 -- Continued

Local well number	Location section, township and range	Station number	Hydro- geologic unit code	Depth of well (feet)	Date of sample	Depth below land surface (water level) (feet) (72019)	Specific conduct- ance field (mS/cm) (00095)	Chloride dissolved (mg/L as Cl) (00940)
JEFFERSON PARISH								
JF- 161	S 1 T13SR23E	295549090104101	112GZNO	772	10-28-98	--	1460	270
					03-23-99	--	1520	290
					09-22-99	--	1500	290
JF- 184	S 38 T12SR10E	295926090143201	112GZNO	704	10-28-98	--	761	110
					04-12-99	--	767	120
					09-24-99	--	779	120
JEFFERSON DAVIS PARISH								
JD- 491	S 14 T11SR 3W	300508092405601	112CHCTU	377	10-08-98	--	732	100
					04-15-99	--	698	99
					09-23-99	--	731	98
LAFAYETTE PARISH								
LF- 524	S 7 T11SR 5E	300605091593502	112CHCTU	174	10-30-98	--	237	7.2
					04-14-99	--	268	7.5
					09-23-99	--	304	7.3
MADISON PARISH								
MA- 64	S 23 T17NR12E	322614091122001	112MRVA	117	03-19-99	7.62	9540	2800
					09-14-99	12.46	9750	2700
MA- 65	S 34 T17NR12E	322428091130201	112MRVA	119	03-19-99	5.06	6450	1700
					09-14-99	9.74	6450	1700
MOREHOUSE PARISH								
MO- 65	S 25 T21NR 5E	324647091543801	124SPRT	564	03-08-99	--	1230	190
					09-14-99	--	1240	190
MO- 342	S 19 T21NR 7E	324753091471201	124SPRT	620	03-10-99	94.50	2060	430
					09-15-99	95.94	2060	410
MO- 710	S 17 T23NR10E	325826091280401	112MRVA	130	03-10-99	15.28	2370	400
					09-13-99	16.26	2700	450
MO- 842	S 18 T22NR 9E	325359091344802	112MRVA	90	03-10-99	35.22	1170	120
					09-15-99	36.57	1140	100
ORLEANS PARISH								
OR- 61	S 38 T12SR12E	300055090013101	112GZNO	653	09-21-99	--	950	75
OR- 195	S 38 T12SR12E	300054090012601	112GZNO	658	10-28-98	--	1030	100
OR- 203	S 30 T11SR13E	300349089562401	112GZNO	453	11-02-98	73.26	1680	350
					03-22-99	70.45	1650	350
					09-27-99	71.21	1580	350
OUACHITA PARISH								
OU- 402	S 16 T15NR 4E	321714092041401	124SPRT	750	03-08-99	56.09	3640	890
					09-21-99	57.92	3620	880
OU- 403	S 16 T15NR 4E	321714092041402	124SPRT	460	03-08-99	65.45	1780	280
					09-21-99	67.15	1790	270
OU- 405	S 30 T17NR 4E	322531092053901	124SPRT	775	03-08-99	132.02	2120	420
					09-21-99	134.94	2130	410
OU- 469	S 2 T16NR 4E	322425092020401	124SPRT	400	03-17-99	--	1030	130
					09-14-99	--	1030	120

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS
IN LOUISIANA, OCTOBER 1998 TO SEPTEMBER 1999 -- Continued

Local well number	Location section, township and range	Station number	Hydro- geologic unit code	Depth of well (feet)	Date of sample	Depth below land surface (water level) (feet) (72019)	Specific conduct- ance field (mS/cm) (00095)	Chloride dissolved (mg/L as Cl) (00940)
RICHLAND PARISH								
RI- 112	S 24 T17NR 9E	322623091294901	112MRVA	67	03-09-99	34.02	1300	300
					09-20-99	34.18	1220	300
RI- 114	S 24 T17NR 9E	322636091295702	112MRVA	66	03-09-99	30.55	1480	310
					09-20-99	30.65	1440	300
RI- 124	S 25 T17NR 9E	322605091301101	112MRVA	84	03-09-99	26.72	1660	310
					09-20-99	26.83	1730	340
ST. CHARLES PARISH								
SC- 159	S 23 T12SR20E	295926090273101	112NORC	440	03-23-99	--	1880	320
ST. JAMES PARISH								
SJ- 226	S190T11SR 5E	300325090394201	112GRMC	248	01-05-99	--	917	150
					03-23-99	--	869	150
					09-23-99		935	150
ST. JOHN THE BAPTIST PARISH								
SJB- 165	S 5 T10SR 8E	301247090245901	120CVGN	3,000	10-30-98	-47.60	1050	89
					03-18-99	-51.60	1050	90
					09-28-99	-48.00	1000	91
SJB- 176	S 33 T 9S R 8E	301336090244101	120CVGN	2,950	10-30-98	-53.10	844	39
					03-18-99	-51.80	846	38
					09-28-99	-52.60	798	39
SJB- 180	S 7 T10SR 8E	301143090260101	120CVGN	3,091	10-30-98	-54.00	802	--
					03-18-99	-53.90	803	42
					09-28-99	-54.40	757	41
ST. MARTIN PARISH								
SMN- 108	S 36 T 9S R 7E	301304091424001	112CHCTL	505	02-12-99	2.96	1980	370
					04-12-99	3.12	2030	360
					09-20-99	8.13	2080	380
SMN- 109	S 36 T 9S R 7E	301304091424002	112CHCTU	375	02-12-99	3.72	1160	120
					04-12-99	3.55	1170	120
					09-28-99	8.65	1200	110
ST. MARY PARISH								
SM- 57U	S 27 T14SR 8E	294749091402301	112CHCTU	638	10-29-98	11.82	1170	180
					04-12-99	10.97	1160	190
					09-20-99	9.50	1180	180
VERMILION PARISH								
VE- 637L	S 15 T13SR 3E	295345092100703	112CHCTU	243	10-29-98	12.22	2800	670
					04-14-99	11.86	2730	690
					09-22-99	13.32	2840	690
VE- 639	S 2 T16SR 1W	293845092264901	112CHCTU	608	10-29-98	9.54	1580	310
					04-14-99	9.55	1520	300
					09-22-99	10.36	1580	300

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS
IN LOUISIANA, OCTOBER 1998 TO SEPTEMBER 1999 -- Continued

Local. well number	Location section, township and range	Station number	Hydro- geologic unit code	Depth of well (feet)	Date of sample	Depth below land surface (water level) (feet) (72019)	Specific conduct- ance field (mS/cm) (00095)	Chloride dissolved (mg/L as Cl) (00940)
WEST BATON ROUGE PARISH								
WBR- 35	S 68 T 7S R12E	302657091124201	12112BR	1290	12-09-98	--	305	2.6
WBR- 100B	S 68 T 7S R12E	302652091121402	12224BR	2448	12-31-98	--	329	3.0
WBR- 112	S 70 T 7S R12E	302550091124102	12115BR	2205	02-18-99	--	620	81
					05-03-99	--	638	84
WBR- 113	S 70 T 7S R12E	302547091123201	12115BR	2242	02-18-99	77.29	1120	210
					05-03-99	--	1160	220
WBR- 132	S 74 T 7S R12E	302505091132001	12115BR	2082	12-09-98	57.03	326	6.8
WBR- 136	S 21 T 7S R12E	302712091145701	12112BR	1305	12-09-98	--	286	3.3
WBR- 148	S 23 T 7S R11E	302702091185101	12112BR	1304	12-31-98	44.23	332	2.6
WBR- 173	S 74 T 8S R12E	302456091130202	12115BR	2194	12-09-98	--	338	7.3
WBR- 181	S 68 T 7S R12E	302644091121201	12117BR	1900	12-09-98	--	298	4.3
WINN PARISH								
W- 144B	S 19 T11NR 1W	315450092310102	124SPRT	550	03-08-99	48.61	1660	180
					09-22-99	51.27	1670	180
W- 179	S 29 T12NR 1W	315948092300301	124SPRT	585	03-09-99	116.56	1540	260
					09-22-99	120.62	1560	270

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.

PHYSICAL PROPERTIES AND MAJOR INORGANIC CHEMICAL CONSTITUENTS IN GROUND WATER FROM SELECTED WELLS IN
LOUISIANA, OCTOBER 1998 TO SEPTEMBER 1999

[See page 624 for explanation of hydrogeologic unit (aquifer) codes]

Local well number	Hydrogeo- logic unit code	Date of sample	Depth of well (feet)	Specific conductance (mS/cm) (00095)	Field pH (standard units) (00400)	Water tempera- ture (°C) (00010)	Color (plati- num cobalt units) (00080)	Hardness total (mg/L as CaCO ₃) (00900)	Calcium dissolved (mg/L as Ca) (00915)	Magnesium, dissolved (mg/L as Mg) (00925)	Sodium, dissolved (mg/L as Na) (00930)
BIENVILLE PARISH											
BI- 315	124SPRT	05-11-99	590	60	5.9	23.0	5	11	2.4	1.2	4.6
CALCASIEU PARISH											
CU- 694	11205LC	04-13-99	556	2090	7.3	24.6	--	240	72	15	300
CU-1385	11205LC	04-13-99	580	786	7.2	24.1	--	100	29	7.4	120
CLAIBORNE PARISH											
CL- 203	124SPRT	05-12-99	460	133	6.3	21.4	10	16	4.3	1.3	21
CONCORDIA PARISH											
CO- 205	112MRVA	09-15-99	130	863	7.1	20.3	--	350	92	28	48
CO- 215	112MRVA	09-15-99	121	3370	6.9	20.6	--	630	170	49	390
EAST BATON ROUGE PARISH											
EB-1293A	12108BR	10-28-98	865	335	9.0	25.3	--	2	0.7	0.12	81
JACKSON PARISH											
JA- 44	124SPRT	05-11-99	505	295	7.3	20.4	5	4	0.8	0.4	67
JA- 115	124SPRT	05-27-99	940	1010	9.0	27.1	30	1	0.0	0.0	220
JEFFERSON DAVIS PARISH											
JD- 491	112CHCTU	09-23-99	377	731	7.6	22.5	<5	150	42	11	89
LAFAYETTE PARISH											
LF- 524	112CHCTU	09-23-99	174	304	7.1	23.5	<5	64	16	5.8	42
LINCOLN PARISH											
L- 33	124SPRT	05-12-99	811	237	7.4	25.4	5	2	0.4	0.2	54
MOREHOUSE PARISH											
MO- 65	124SPRT	03-08-99	564	1230	--	23.3	20	6	1.9	0.4	270
MO- 84	124SPRT	05-13-99	608	1250	8.8	23.2	30	4	1.3	0.2	280
OUACHITA PARISH											
OU- 64	124SPRT	05-24-99	468	515	8.9	22.6	40	2	0.7	0.1	120
OU- 469	124SPRT	03-17-99	400	1030	--	22.1	40	2	0.6	0.2	240
ST. JAMES PARISH											
SJ- 226	112GRMC	09-23-99	248	935	7.7	19.4	5	170	46	14	110
UNION PARISH											
UN- 129	124SPRT	05-25-99	705	785	8.8	24.0	20	2	0.7	0.1	170
UN- 205	124SPRT	05-25-99	725	1380	8.6	25.1	5	15	5.1	0.5	270
UN- 206	124SPRT	05-25-99	676	1310	8.6	23.6	5	8	2.4	0.5	260
WINN PARISH											
W- 24	124SPRT	05-10-99	478	698	8.9	22.5	30	1	0.4	0.1	170

PHYSICAL PROPERTIES AND MAJOR INORGANIC CHEMICAL CONSTITUENTS IN GROUND WATER FROM SELECTED WELLS IN
 LOUISIANA, OCTOBER 1998 TO SEPTEMBER 1999--Continued

Local well number	Date of sample	Potassium, dissolved (mg/L as K) (00935)	Field alka- linity, total (mg/L as CaCO ₃) (00410)	Sulfate, dissolved (mg/L as SO ₄) (00945)	Chloride, dissolved (mg/L as Cl) (00940)	Fluoride, dissolved (mg/L as F) (00950)	Silica, dis- solved (mg/ L as SiO ₂) (00955)	Solids, resi- due at 180 °C dis- solved (mg/L) (70300)	Solids, sum of constitu- ents, dis- solved (mg/L) (70301)	Iron, dissolved (mg/L as Fe) (01046)	Manga- nese, dissolved (mg/L as Mn) (01056)
BIENVILLE PARISH											
BI- 315	05-11-99	3.5	17	6.8	3.4	<.10	33	64	66	540	24
CALCASIEU PARISH											
CU- 694	04-13-99	4.1	--	<0.2	540	.20	47	1230	--	--	--
CU-1385	04-13-99	2.2	--	0.7	140	.22	49	454	450	--	--
CLAIBORNE PARISH											
CL- 203	05-12-99	2.5	51	6.5	5.8	<.10	43	121	116	1,100	20
CONCORDIA PARISH											
CO- 205	09-15-99	4.6	507	4.8	42	.27	36	519	500	--	--
CO- 215	09-15-99	8.1	374	<0.2	830	.23	37	2020	--	--	--
EAST BATON ROUGE PARISH											
EB-1293A	10-28-98	0.3	159	11	2.3	.31	21	218	212	24	3
JACKSON PARISH											
JA- 44	05-11-99	1.8	120	19	8.6	<.10	35	208	205	41	8
JA- 115	05-27-99	0.7	259	6.2	160	.32	15	554	558	8.8	1
JEFFERSON DAVIS PARISH											
JD- 491	09-23-99	1.8	--	<0.2	98	.14	39	410	--	390	93
LAFAYETTE PARISH											
LF- 524	09-23-99	2.3	--	2.3	7.3	.27	44	205	206	5.7	2
LINCOLN PARISH											
L- 33	05-12-99	1.1	96	6.4	12	.12	51	187	183	41	2
MOREHOUSE PARISH											
MO- 65	03-08-99	1.1	--	<0.2	190	.49	11	704	--	32	3
MO- 84	05-13-99	1.3	359	<0.2	180	.59	11	711	--	13	2
OUACHITA PARISH											
OU- 64	05-24-99	0.7	236	0.8	21	.32	12	304	297	17	2
OU- 469	03-17-99	0.9	--	0.3	130	.76	11	600	590	21	1
ST. JAMES PARISH											
SJ- 226	09-23-99	2.1	196	28	150	.24	21	512	489	3.9	400
UNION PARISH											
UN- 129	05-25-99	0.8	263	0.2	90	.32	12	446	432	14	1
UN- 205	05-25-99	1.5	161	<0.2	330	.15	12	723	--	11	2
UN- 206	05-25-99	1.5	193	<0.2	290	.23	12	689	--	27	2
WINN PARISH											
W- 24	05-10-99	0.8	300	2.8	36	.38	13	419	403	27	2

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CALENDAR FOR WATER YEAR 1999

1998

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

1999

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

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