



Water Resources Data Louisiana Water Year 1994



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-94-1
Prepared in cooperation with the Louisiana Department of
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CALENDAR FOR WATER YEAR 1994

1993

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APRIL							MAY							JUNE						
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1994

Water Resources Data Louisiana Water Year 1994

by C.R. Garrison, W.M. Lovelace, and P.A. Montgomery



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-94-1
Prepared in cooperation with the Louisiana Department of
Transportation and Development and with other State and
Federal agencies

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

U.S. GEOLOGICAL SURVEY
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Baton Rouge, LA 70816

1995

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 from area field offices. The following individuals supervised the collection, processing, and tabulation of the data:

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Water resources data for the 1994 water year for Louisiana consists of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report contains records for water discharge at 64 gaging stations; stage only for 45 gaging stations and 6 lakes; water quality for 51 surface-water stations (including 24 gage stations) and 84 wells; and water levels for 209 observation wells. Also included are data for 115 crest-stage and flood-profile partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

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*Louisiana, *Hydrologic dat, *Surface water, *Groundwater, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.

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DISCONTINUED SURFACE-WATER DISCHARGE 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
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
Flat Lick Bayou near Leton, LA	(d)	07348800	66.9	1956-77
Bodcau Bayou near Sarepta, LA	(d)	07349500	546	1938-92
Bayou Dorcheat near Gilark, LA	(s)	07348960	1,031	1953-79
Flat River near Curtis, LA	(d)	07349374	--	1980-88
Bodcau Bayou near Sarepta	(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
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
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

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

	Type of data	Station number	Drainage area (mi ²)	Period of record
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
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
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
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

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

	Type of data	Station number	Drainage area (mi ²)	Period of record
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
Pailet 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
Houma Navigation Canal at Houma, LA	(s)	07381325	--	1962-67
Houma Navigation Canal at Dulac, LA	(s)	07381328	--	1976-77
Atchafalaya River at Krotz Springs, LA	(d)	07381500	--	1934-63
	(s)		--	1964-68
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
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

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

	Type of data	Station number	Drainage area (mi ²)	Period of record
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
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	939-70
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

DISCONTINUED SURFACE-QUALITY-WATER STATIONS

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

DISCONTINUED SURFACE-QUALITY-WATER STATIONS

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

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

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

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Boeuf River near Arkansas-Louisiana State Line	07367700	E785	S.C., Temp.	1968-69
Boeuf River near Girard, LA	07368000	E1,226	S.C., Temp.	1968-69
Bayou Lafourche near Crew Lake, LA	07369000	E361	S.C.	1968-72
		E361	Temp.	1968-71
Boeuf River near Fort Necessity, LA	07369150	E2,542	S.C., Temp.	1978-81
Tensas River at Tendal, LA	07369500	E309	S.C.	1968, 1971-72, 1975-82
		E309	Temp.	1968, 1975-82
Bayou Macon near Kilbourne, LA	07369700	E504	S.C.	1968-69
		E504	Temp.	1968
Dugdemona River near Winnfield, LA	07372000	654	D.O.	1969-70
Little River near Rochelle, LA	07372200	1,899	S.C.	1966-85
		1,899	Temp.	1980-85
Big Creek at Pollock, LA	07373000	B51	Temp.	1965-72, 1974-77
Black River at Jonesville, LA	07373267	(F)	Temp.	1959-67
		(F)	S.C.	1965-67
Mississippi River near St. Francisville, LA	07373420	1,125,300	Temp.	1955-72, 1975-86, 1988
		1,125,300	S.C.	1965-70, 1972, 1975-88
		1,125,300	Cl	1970, 1975-88
		1,125,300	Sulfate	1970, 1975-88
Mississippi River below St. Francisville, LA	07373423	E1,243,000	pH	1970-71
		E1,243,000	Temp., D.O.	1970-74
		E1,243,000	S.C.	1971-74
Mississippi River at Luling, LA	07374400	E1,125,800	Temp.	1958-72, 1978-88
		E1,125,800	S.C.	1965-72, 1975, 1977-88
		E1,125,800	Cl	1975, 1977-88
		E1,125,800	Sulfate	1975, 1977-88
Mississippi River at New Orleans, LA	07374508	E1,125,900	S.C., D.O.	1969-88
		E1,125,900	Temp.	1971-88
		E1,125,900	pH	1977-88
Mississippi River at Belle Chasse, LA	07374525	E1,125,930	S.C.	1975-88
		E1,125,930	Temp.	1976-88
		E1,125,930	Cl	1975-84, 1986-88
		E1,125,930	Sulfate	1976-78
California Bay near Sunrise Point near Nairn, LA	07374529	(F)	S.C., Temp.	1992-93
Mississippi River at Venice, LA	07374550	(A)	Cl	1975
Tchefuncta River near Covington, LA	07375050	145	S.C., Temp.	1978-82
Tangipahoa River at Robert, LA	07375500	646	S.C., Temp.	1980-82
Tangipahoa River at Lee Landing, LA	07375660	(A)	Temp.	1964
Comite River near Comite, LA	07378000	284	Temp.	1945
Amite River near Denham Springs, LA	07378500	1,280	S.C., Temp.	1968
Amite River, at 4H Camp, near Denham Springs, LA	07378510	1,290	S.C., Temp.	1973-81
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 Terrebonne at Houma, LA	07381320	(F)	Cl	1975-80
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., D.O.	1974-75
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
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

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Vermilion Bay, at Cypremort Point, near Louisa, LA	294110091533000	(F)	CI	1975-76, 1978-79, 1981-82
Schooner Bayou near Forked Island, West	294528092154800	(F)	Temp.	1978-79, 1981-82
Schooner Bayou near Forked Island, East	294528092154801	(F)	CI	1975-82
Intracoastal Waterway, at Vermilion Lock East, near Intracoastal City, LA	294700092114000	(F)	Temp.	1977-82
Intracoastal Waterway, at Vermilion Lock West, near Intracoastal City, LA	294705092115300	(F)	CI	1975-82
Mermentau River, south of Control Structure, near Grand Chenier, LA	295146092510100	(F)	Temp.	1977-82
Mermentau River, north of Control Structure, near Grand Chenier, LA	295148092510100	(F)	CI	1975-82
Intracoastal Waterway at Gibbstown, LA	295600093053000	(F)	Temp.	1977-82
Chef Menteur Pass at Chef Menteur, LA	300404089482500	(F)	CI	1975-81
Lake Pontchartrain, at New Orleans, LA, at Little Woods, LA,	300434089564000	(F)	Temp.	1977-81
Intracoastal Waterway at Calcasieu Lock	300514093172800	(F)	CI	1975-78
Rigolets near Lake Pontchartrain, near Slidell, LA	301002089441300	(F)	Temp.	1977-78
Lake Pontchartrain, near North Shore, near Slidell, LA,	301108089503600	(F)	CI	1975-82
Calcasieu River and Pass near Lake Charles, LA	301305093151200	(F)	Temp.	1977-84
Calcasieu River, at mile 36.0, at Lake Charles, LA	301425093145000	(F)	CI	1975-81
Calcasieu River, east of barrier, at Lake Charles, LA,	301513093130500	(F)	Temp., CI	1977-81
Calcasieu River, west of barrier, at Lake Charles, LA,	301513093130600	(F)	Temp.	1982
		(F)	CI	1975, 1977-82
		(F)	Temp.	1977-82
		(F)	CI	1975, 1977-82
		(F)	Temp.	1977-82

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 64 streamflow-gaging stations, stage only for 45 gaging stations, for 103 partial-record or miscellaneous streamflow stations, and for 26 crest-stage, partial-record streamflow stations; (2) stage records for 6 lakes; (3) water-quality records for 24 streamflow-gaging stations, for 27 ungaged stream sites, and for 84 wells; and (4) water-level records for 209 observation wells.

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-93-1." 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. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). 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.

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 (504) 389-0281. 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.

WATER RESOURCES DATA - LOUISIANA, 1994

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, Jude W.P. Patin, Secretary.

Louisiana Department of Environmental Quality, William Kucharski, Secretary; Office of Water Resources, J. Dale Givens, Assistant Secretary.

Louisiana Department of Natural Resources, Jack McClanahan, Secretary.

Louisiana Office of Emergency Preparedness, Major General A.M. Stroud, Jr., Director.

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

Capital Area Ground Water Conservation Commission, Ross Ford, Chairman.

Sabine River Compact Administration, composed of Mark A. Guzzetta, Chairman;
Raymond J. Palmer and William B. Lewis for Louisiana; Danny Choate and
David V. Cardner for Texas.

Amite River Basin Drainage and Water Conservation District, Jeff M. David, President;
Ross Barnett Atkins, Executive Director.

Assistance in the form of funds or services was provided by 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, 1994

SUMMARY OF HYDROLOGIC CONDITIONS

Surface-Water Conditions

In October, the statewide average rainfall total was 4.91 in., 1.20 in. above the 30-year average. This was the first time in the last four months that the statewide average exceeded the 30-year average. All four index stations (Pearl River near Bogalusa, Saline Bayou near Lucky, Amite River near Denham Springs, and Calcasieu River near Oberlin) had monthly mean discharges below their long-term October means. The October monthly mean discharge of 57.6 ft³/s at Calcasieu River near Oberlin was less than one-fourth the long-term October mean of 332 ft³/s (fig. 1).

The statewide average rainfall total for November was above average for the second consecutive month. The statewide average rainfall total for November was 4.92 in., 0.33 in. above the 30-year average. The monthly mean discharge for Pearl River near Bogalusa was 12,410 ft³/s, which was nearly three times greater than the long-term November mean of 4,325 ft³/s (fig. 1). Amite River near Denham Springs had a November monthly mean discharge of 2,548 ft³/s, which was greater than twice the long-term mean of 1,204 ft³/s (fig. 1).

The December rainfall for the State was below the average rainfall for the first time since the month of September. The statewide average rainfall total for December was 3.51 in., 2.13 in. below the 30-year average. For Saline Bayou near Lucky, the monthly mean discharge of 67.6 ft³/s was nearly one-third the long-term December mean of 209 ft³/s (fig. 1). Calcasieu River near Oberlin had a monthly mean discharge of 404 ft³/s, which was one-fourth the long-term December mean of 1,573 ft³/s (fig. 1).

The statewide average rainfall for January was 5.86 in., 0.91 in. above the 30-year average. For Amite River near Denham Springs, the monthly mean discharge of 6,441 ft³/s was nearly twice the long-term January mean of 3,339 ft³/s (fig. 1).

In February and March, the statewide average rainfall was below average. In February, the statewide average rainfall total was 3.91 in., 0.98 in. below the 30-year average, and in March, the total was 4.36 in., 0.60 in. below the 30-year average. Even with below average rainfall statewide in February, all four index stations had above average monthly mean discharges (fig. 1). The February monthly mean discharge of 46,660 ft³/s at Pearl River near Bogalusa was greater than twice the February long-term mean of 19,470 ft³/s and was greater than two-thirds the long-term maximum February monthly mean of 56,830 ft³/s that occurred in 1990 (fig. 1). For Saline Bayou near Lucky, the monthly mean discharge of 394 ft³/s was greater than the March long-term mean discharge of 291 ft³/s (fig. 1).

In April and May, the statewide average rainfall was above average. In April, the statewide average rainfall total was 4.68 in., 0.34 in. above the 30-year average; in May, the total was 5.96 in., 0.71 in. above the 30-year average. The April monthly mean discharge at Pearl River near Bogalusa was 27,500 ft³/s, which was greater than the long-term April mean of 19,810 ft³/s; the May monthly mean discharge of 5,173 ft³/s was less than one half the long-term May mean of 12,530 ft³/s (fig. 1).

During June and July, the statewide average rainfall was above average for the third and fourth consecutive months. In June, the statewide average rainfall was 5.35 in., 0.71 in. above the 30-year average, and in July, the total was 7.08 in., 1.83 in. above the 30-year average. Statewide the rainfall totals for July ranged from 4.33 in. in the northwestern part of the State to 10.53 in. in the southeastern part. The June monthly mean discharge at Amite River near Denham Springs was 2,561 ft³/s and was nearly twice the long-term June mean of 1,293 ft³/s, and its July monthly mean discharge of 3,899 ft³/s was greater than three times the long-term July mean of 1,216 ft³/s (fig. 1).

The statewide average rainfall totals for August and September were both below the 30-year averages. The statewide average total for August was 3.73 in., 0.85 in. below the 30-year average. In September, the statewide average rainfall total was 3.16 in., 1.32 in. below the 30-year average. As a result of below normal rainfall, the September monthly mean discharge of 78.1 ft³/s at Calcasieu River near Oberlin was only one-fourth the long-term September mean of 310 ft³/s (fig. 1).

For the water year, the average statewide rainfall total was 57.43 in., which barely exceeded the 30-year average of 57.28 in.. For the four index stations, the 1994 annual mean discharge did not differ from the long-term mean by more than 30 percent.

WATER RESOURCES DATA - LOUISIANA, 1994

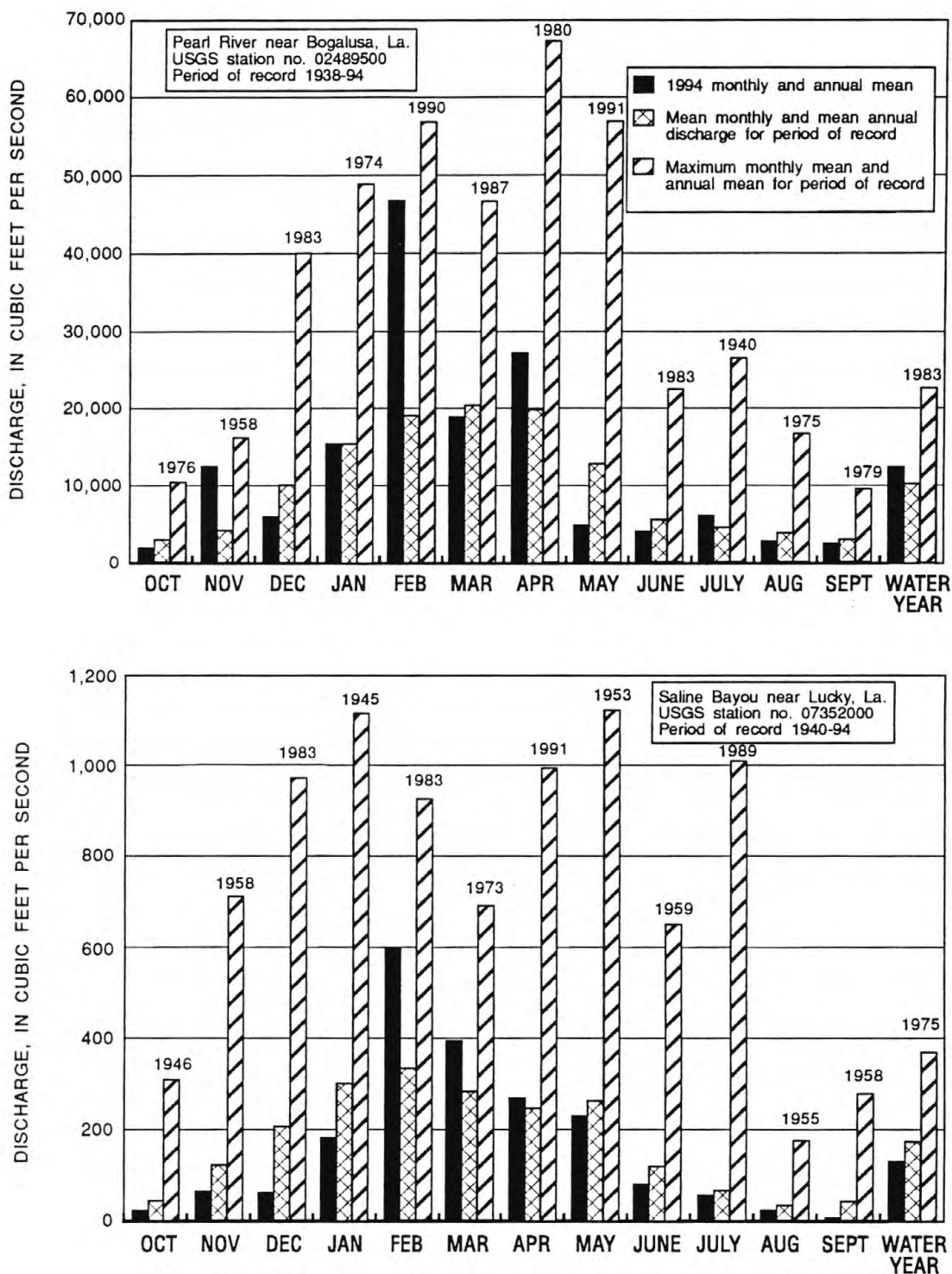


Figure 1. Comparison of discharge during the 1994 water year with mean and maximum discharge for the period of record at four representative gaging stations.

WATER RESOURCES DATA - LOUISIANA, 1994

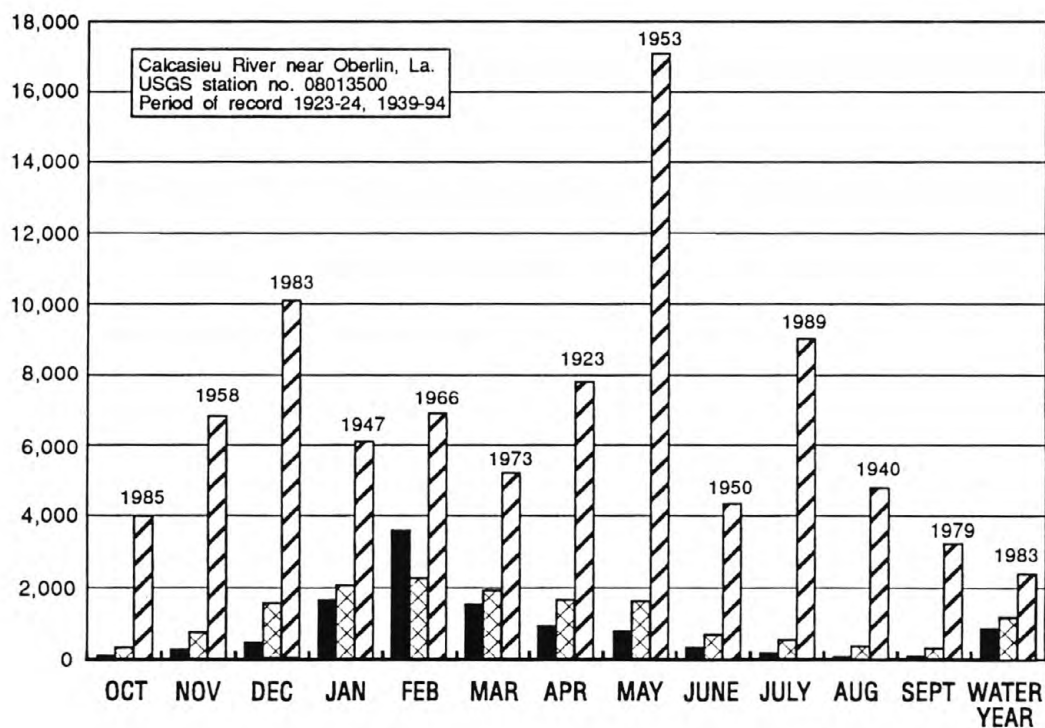
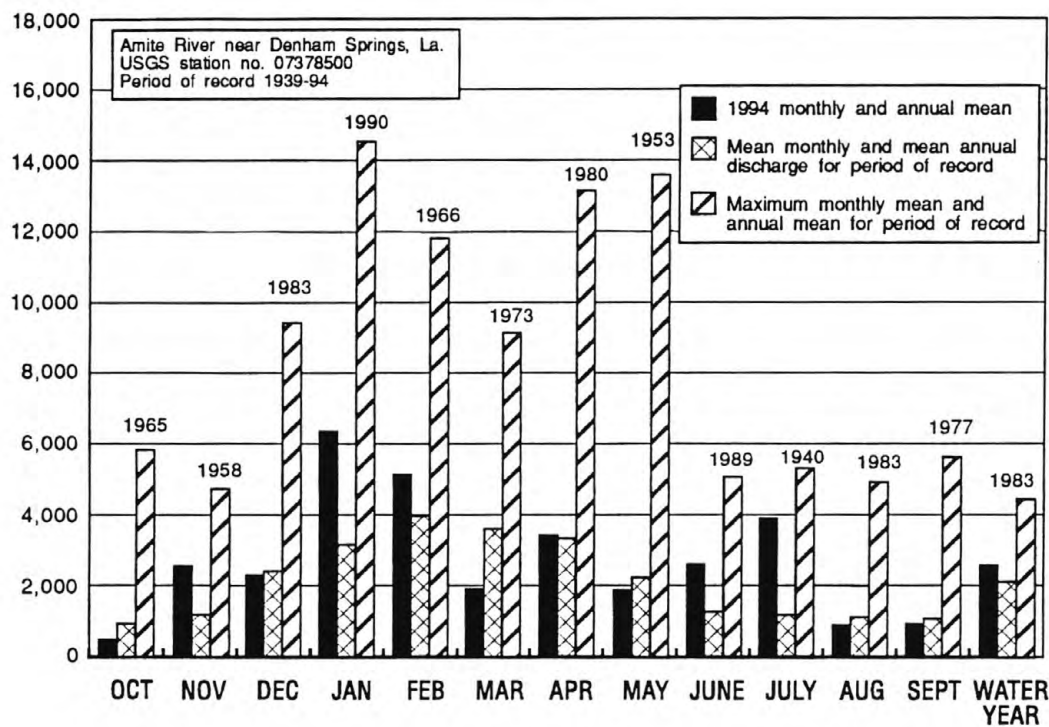


Figure 1. Comparison of discharge during the 1994 water year with mean and maximum discharge for the period of record at four representative gaging stations--Continued.

WATER RESOURCES DATA - LOUISIANA, 1994

Surface-Water Quality

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

At most sites along the lower Mississippi River, the specific conductance ranged from approximately 300 to 500 $\mu\text{S}/\text{cm}$ (microsiemens per centimeter at 25 °C) during the 1994 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 was 625 $\mu\text{S}/\text{cm}$ on September 1, 1994. Water temperature ranged from approximately 5.0 to 30.0 °C. Chloride concentrations ranged from approximately 15 to 25 mg/L (milligrams per liter) along the river except at Venice, where the concentration was as high as 76 mg/L on September 1, 1994.

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 approximately 200 to 900 $\mu\text{S}/\text{cm}$ during the 1994 water year. Water temperature ranged from approximately 8.0 to 30.0 °C. Chloride concentrations ranged from approximately 15 to 120 mg/L along the Red River. Total iron and manganese concentrations were characteristically high. Total iron concentrations ranged from a minimum of 1,100 $\mu\text{g}/\text{L}$ (micrograms per liter) for Red River at Coushatta on April 20, 1994, to a maximum of 12,000 $\mu\text{g}/\text{L}$ near Vick and at Boyce on October 26, 1993. Total manganese concentrations ranged from a minimum of 81 $\mu\text{g}/\text{L}$ at Boyce on April 19, 1994, to a maximum of 600 $\mu\text{g}/\text{L}$ at Grand Ecore on July 19, 1994, and near Vick on October 26, 1993.

Water-quality stations on the Atchafalaya River include the Lower Atchafalaya River at Morgan City and the Atchafalaya River at Melville. The minimum and maximum specific conductance values for the Atchafalaya River at Morgan City were 241 $\mu\text{S}/\text{cm}$ on March 2, 1994, and 476 $\mu\text{S}/\text{cm}$ on August 25, 1994. The minimum measured water temperature was 5.5 °C at Melville, on January 13, 1994, and at Morgan City, on January 18, 1994, and the maximum measured water temperature was 30.0 °C at Morgan City on August 25, 1994. At Morgan City, the minimum sediment load was 43,100 T/day (tons per day) on January 18, 1994, and the maximum sediment load was 279,000 T/day on May 14, 1994.

Water-quality stations in the Florida Parishes include Tangipahoa River at Robert, Amite River near Port Vincent, and Pearl River near Bogalusa. These stations had characteristically low specific conductance values (less than 100 $\mu\text{S}/\text{cm}$) most of the water year. Values of pH ranged from 6.74 at Pearl River near Bogalusa, on August 8, 1994, to 7.16 at Tangipahoa River at Robert on August 9, 1994. Fecal coliform bacteria concentrations exceeded 200 cols/100 mL (colonies per 100 milliliters) in at least 50 percent of the samples collected from the Pearl River during the water year. Fecal coliform bacteria concentrations in samples from the Amite and Tangipahoa Rivers exceeded 200 cols/100 mL only once during the year.

WATER RESOURCES DATA - LOUISIANA, 1994

Ground-Water Levels

Water-level declines continued in some of the major aquifers in the State during the water year, whereas water levels remained unchanged or recovered in other aquifers. Water levels in the Sparta aquifer of northern Louisiana generally declined 1.0 to 2.0 ft. The regional water-level decline is illustrated in the hydrograph for well W-172 (fig. 2a) in Winn Parish. Normal seasonal fluctuations were observed in water levels in the Cockfield aquifer and no substantial changes occurred. Water levels in the Carrizo-Wilcox aquifer generally continued to recover.

In aquifers of Miocene age in central Louisiana, water levels in the Carnahan Bayou aquifer and Williamson Creek aquifer indicated no substantial changes. Water levels in the Catahoula aquifer declined about 0.5 ft as indicated in well R-879 (fig. 2a).

No substantial changes were observed in the terrace aquifer of northern Louisiana. Water levels in the Mississippi River alluvial aquifer of northeastern Louisiana indicated normal seasonal fluctuations.

Water levels in the Chicot aquifer system of southwestern Louisiana indicated little or no change, with the exception of seasonal fluctuations in most areas. This was true for wells monitored in the updip and outcrop area, and the rice farming area east of Lake Charles where the Chicot aquifer system is divided into the upper and lower sands. In well Cu-445 completed in the "500-foot" sand in the Lake Charles industrial district water levels have slowly declined about 1 ft/yr over the last 8-10 years (fig. 2b). Water levels in well Ac-335L in the Evangeline aquifer system continued to decline at 2 ft/yr, and had seasonal variations of nearly 10 feet due to pumping.

Water levels in aquifers of the Chicot equivalent aquifer system indicated normal seasonal fluctuations but little net change, with the exception of well EB-945 in East Baton Rouge Parish which had shown a slight decline over the past 3 years. Water levels in the Gramercy, Norco, and Gonzales-New Orleans aquifers in the Mississippi River parishes south of Baton Rouge indicated little change from last year with the exception of well Or-42 in Orleans Parish, which has had a recovery of about 2 ft/yr since 1989.

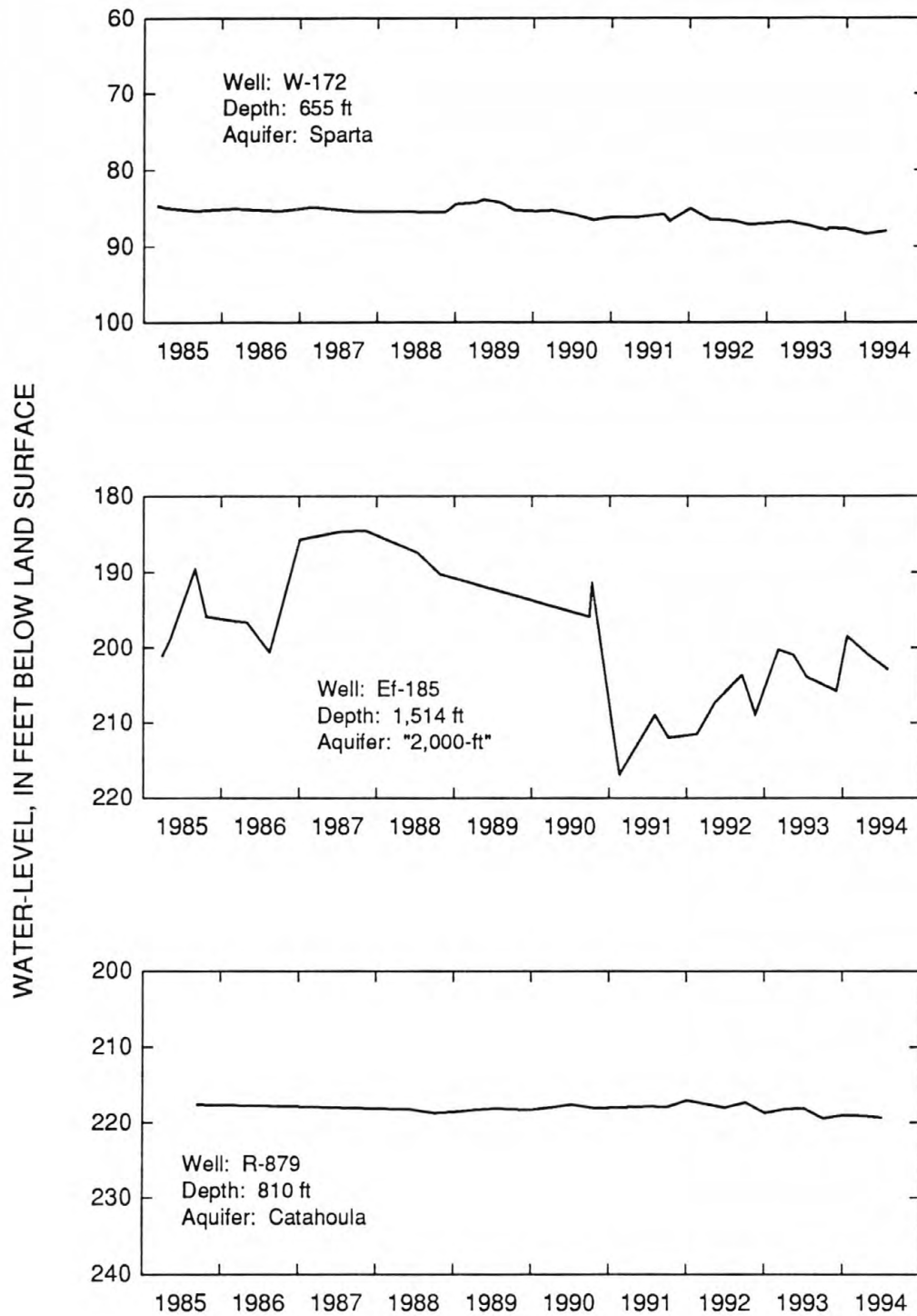
Water levels in aquifers of the Evangeline equivalent aquifer system in southeastern Louisiana indicated little change, with the exception of seasonal variations. Water levels in the deep aquifers of the Jasper Equivalent aquifer system indicated little change except in the "2,000-foot" sand in East Feliciana Parish in well EF-185. Water levels in this well have recovered at the rate of about 4 ft/yr for the past 4 years (fig. 2a).

Ground-Water Quality

Chloride concentrations in the water from 83 wells completed in the major aquifers in the State ranged from 2.4 mg/L in the Jasper Equivalent aquifer system in East and West Baton Rouge Parishes, to 7,300 mg/L in the "1,000-foot" sand (Evangeline equivalent aquifer system) in East Baton Rouge Parish. Chloride concentrations in water from wells in the Mississippi River alluvial aquifer generally indicated no change to slight changes within normal range of fluctuations. Near the freshwater-saltwater interface within Richland Parish, the chloride concentrations increased 10 to 20 mg/L, whereas the chloride concentrations in the Sparta aquifer indicated little change.

Chloride concentrations in water from wells completed in the upper part of the Chicot aquifer along the freshwater-saltwater interface in southwestern Louisiana indicated little change during the water year. In the Lake Charles area, chloride concentrations remained fairly constant in the "200-foot" and "500-foot" sands as illustrated in the chlorograph of well Cu-615 (fig. 2b), and continued to rise slightly in the "700-foot" sand at well Cu-767. In the Baton Rouge area, chloride concentrations have remained constant or continued previous trends in most wells sampled. Chloride concentrations in aquifers in southeastern Louisiana near New Orleans indicated little change or continued previous trends in most wells sampled.

WATER RESOURCES DATA - LOUISIANA, 1994

**Figure 2a.** Water levels for representative observation wells.

WATER RESOURCES DATA - LOUISIANA, 1994

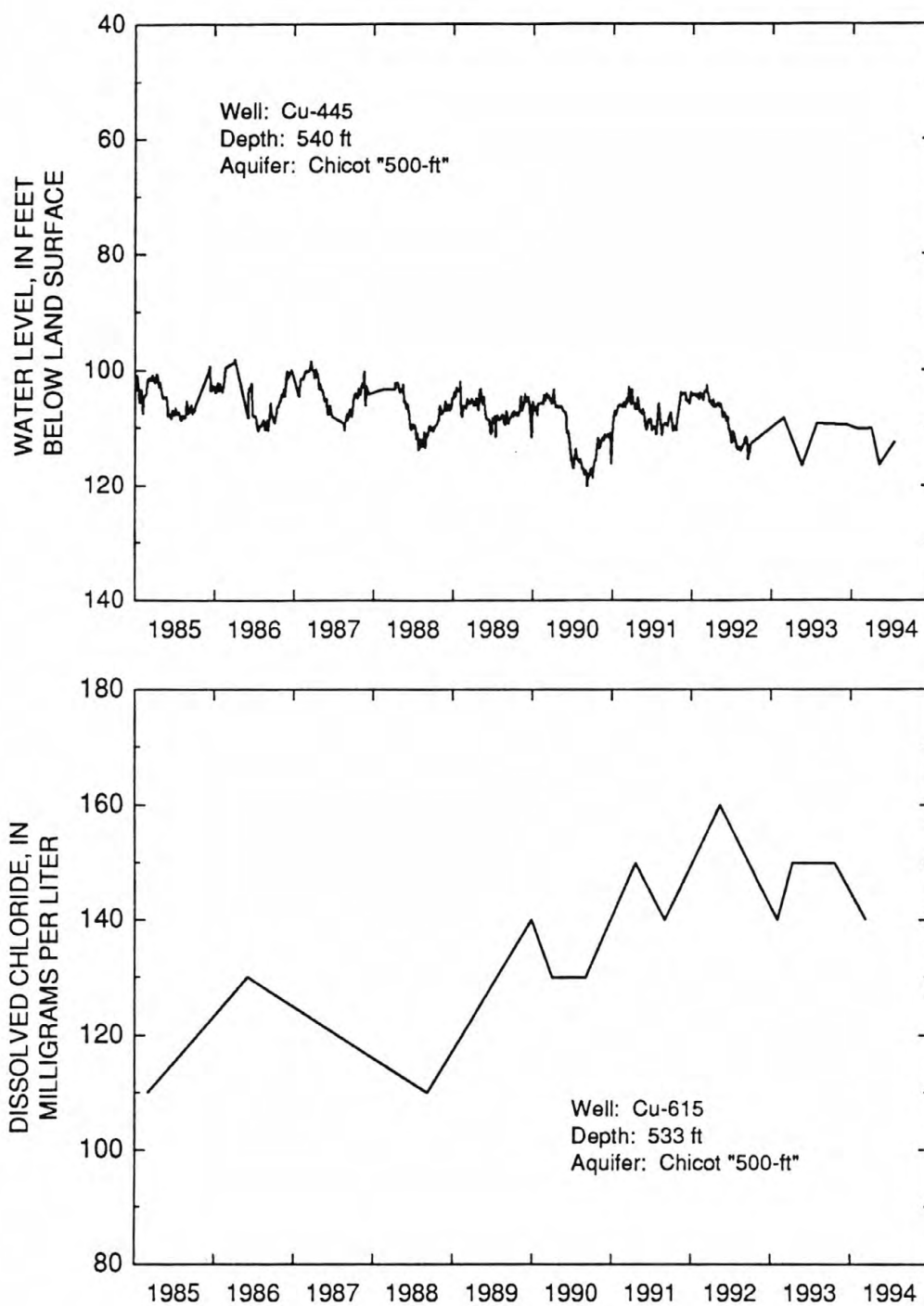


Figure 2b. Water level for representative observation well and chloride concentration for well Cu-615.

WATER RESOURCES DATA - LOUISIANA, 1994

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is a network of 53 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 water sheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National stream-quality accounting network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies or other groups involved in national or regional water-quality planning and management. The 284 sites in NASQAN are general located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (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, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 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.

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

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

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1994 water year that began October 1, 1993, and ended September 30, 1994. 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 4-15. 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, 1994

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."

WATER RESOURCES DATA - LOUISIANA, 1994

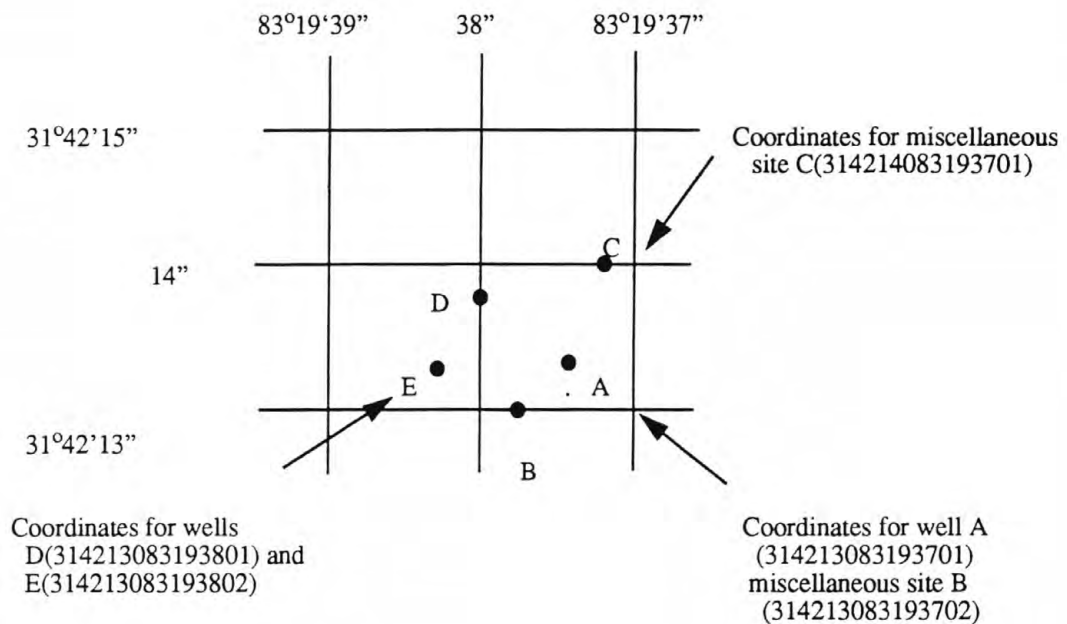


Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude).

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 4-8.

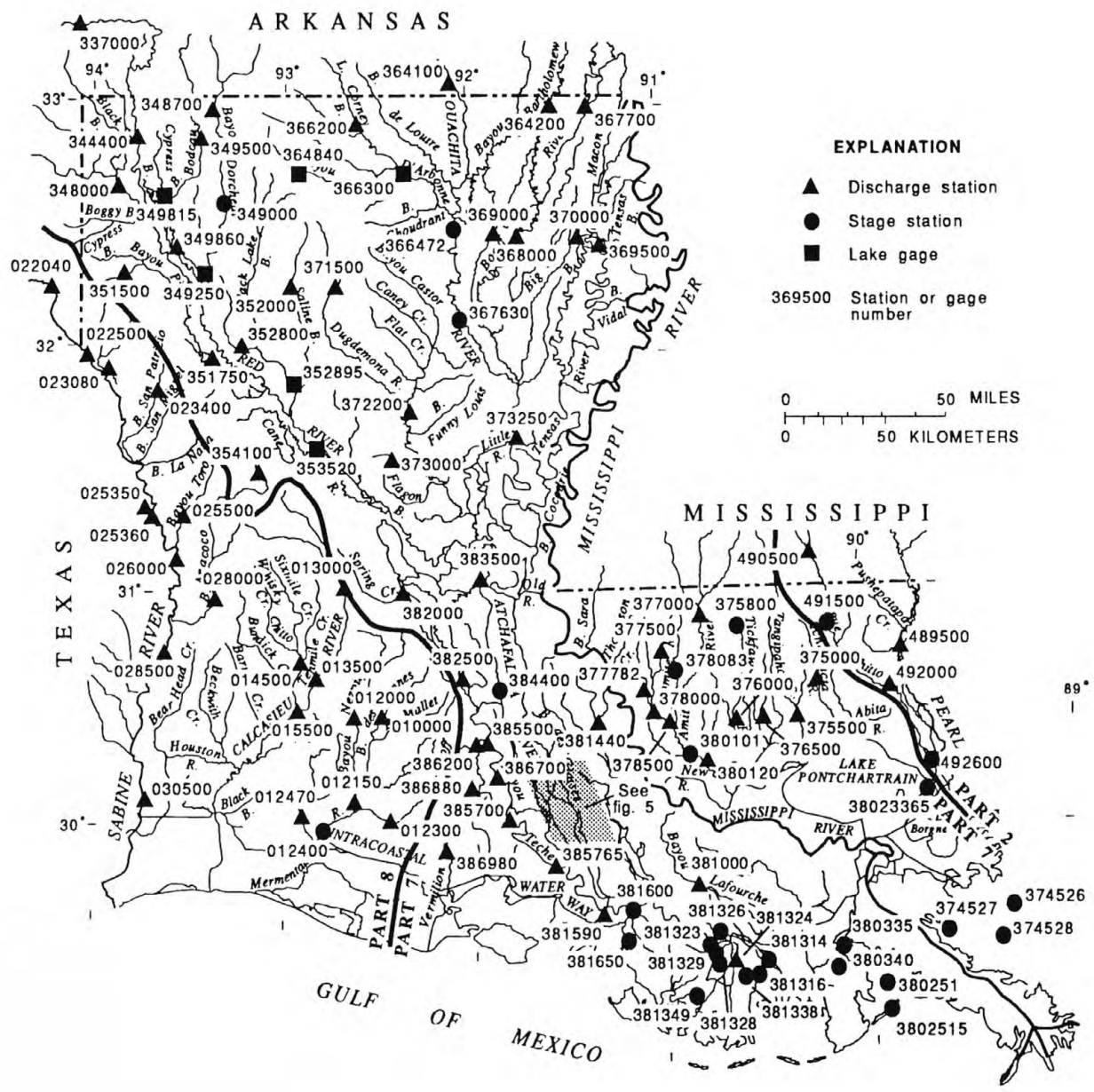
Data Collection and Computation

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

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

Figure 4. Location of continuous gaging stations.



WATER RESOURCES DATA - LOUISIANA, 1994

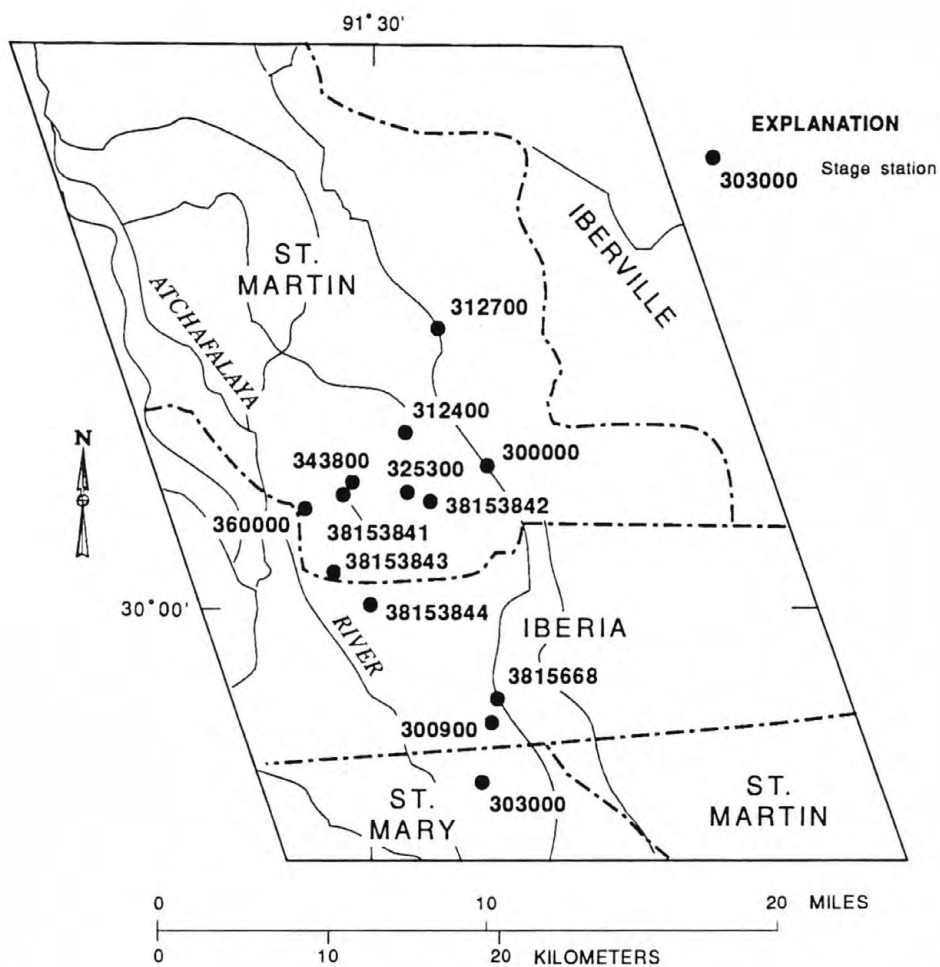
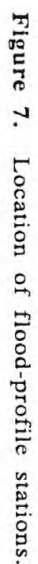


Figure 5. Location of stage stations in the Atchafalaya River basin (shaded area of fig. 4).



WATER RESOURCES DATA - LOUISIANA, 1994

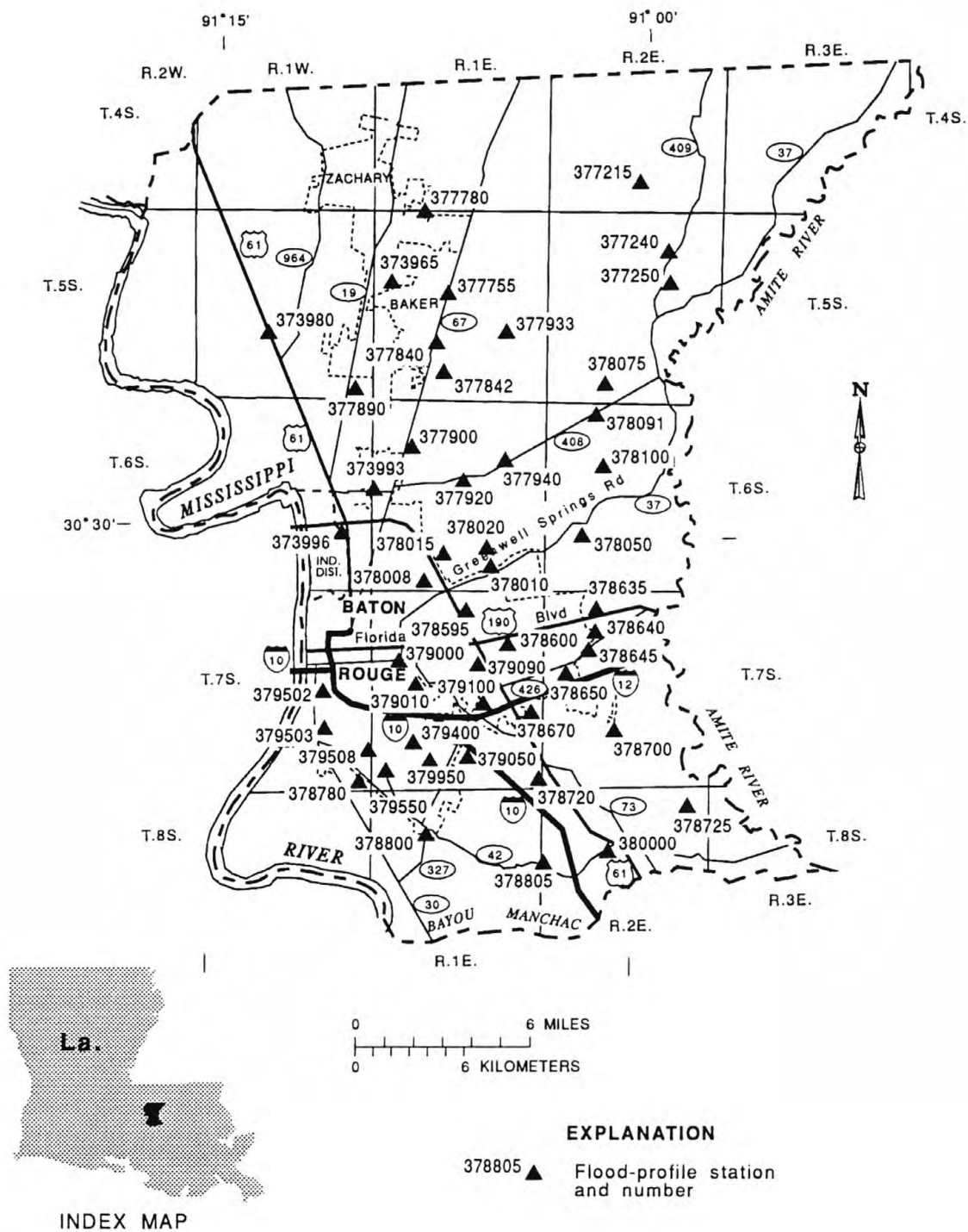


Figure 8. Location of flood-profile stations in East Baton Rouge Parish.

WATER RESOURCES DATA - LOUISIANA, 1994

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 either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. 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.

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 either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

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 graph or a series of discrete values punched at short intervals on a paper tape. 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 figure 9.

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

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

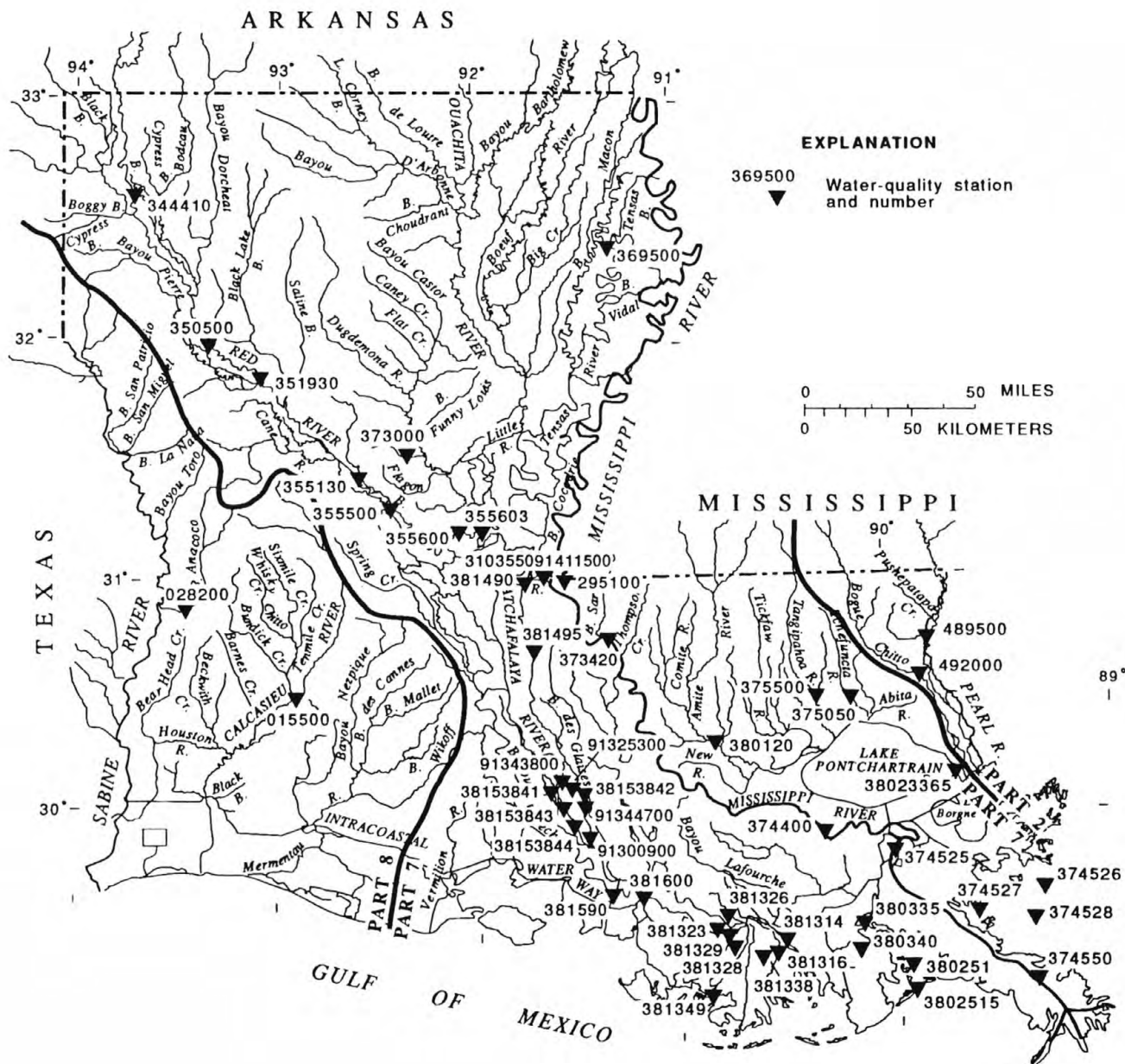


Figure 9. Location of water-quality stations.

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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, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

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

Remark Codes

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

PRINTED OUTPUTREMARK

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

Dissolved Trace-Element Concentrations

NOTE.--"Traditionally, dissolved trace-element concentrations have been reported at the micrograms per liter ($\mu\text{g/L}$) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Present data above the $\mu\text{g/L}$ level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes. However, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols in water year 1994. Full implementation of the protocols will take place during the 1995 water year.

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 or from the graph or punched tape of 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 10-15.

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 only one set of 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 for trends in nitrate concentration. 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 10. Location of observation wells.

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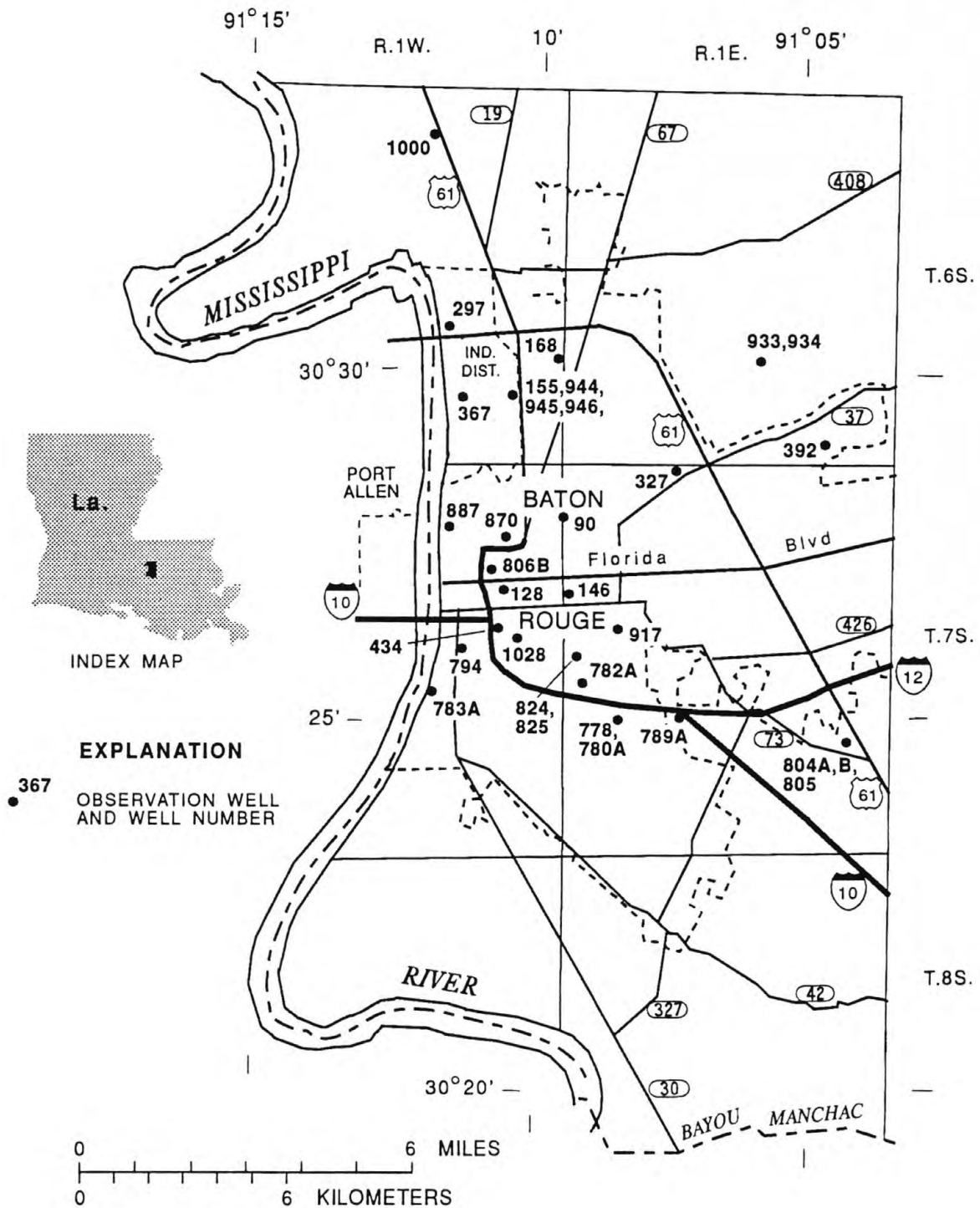


Figure 12. Location of observation wells in shaded area of figure 11.

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Figure 13. Location of wells for which water-quality data are included.

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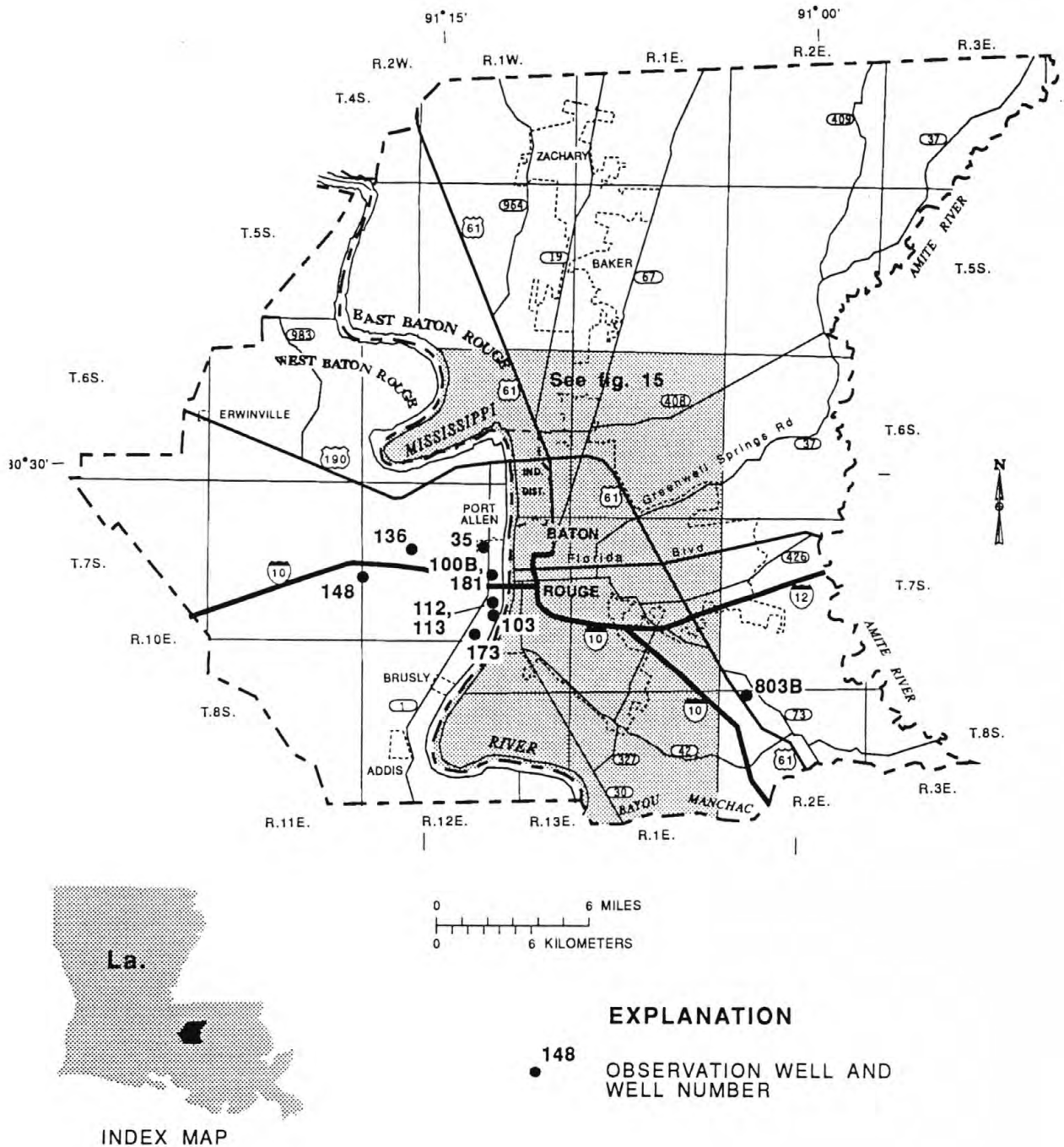


Figure 14. Location of wells for which water-quality data are included in East and West Baton Rouge Parishes.

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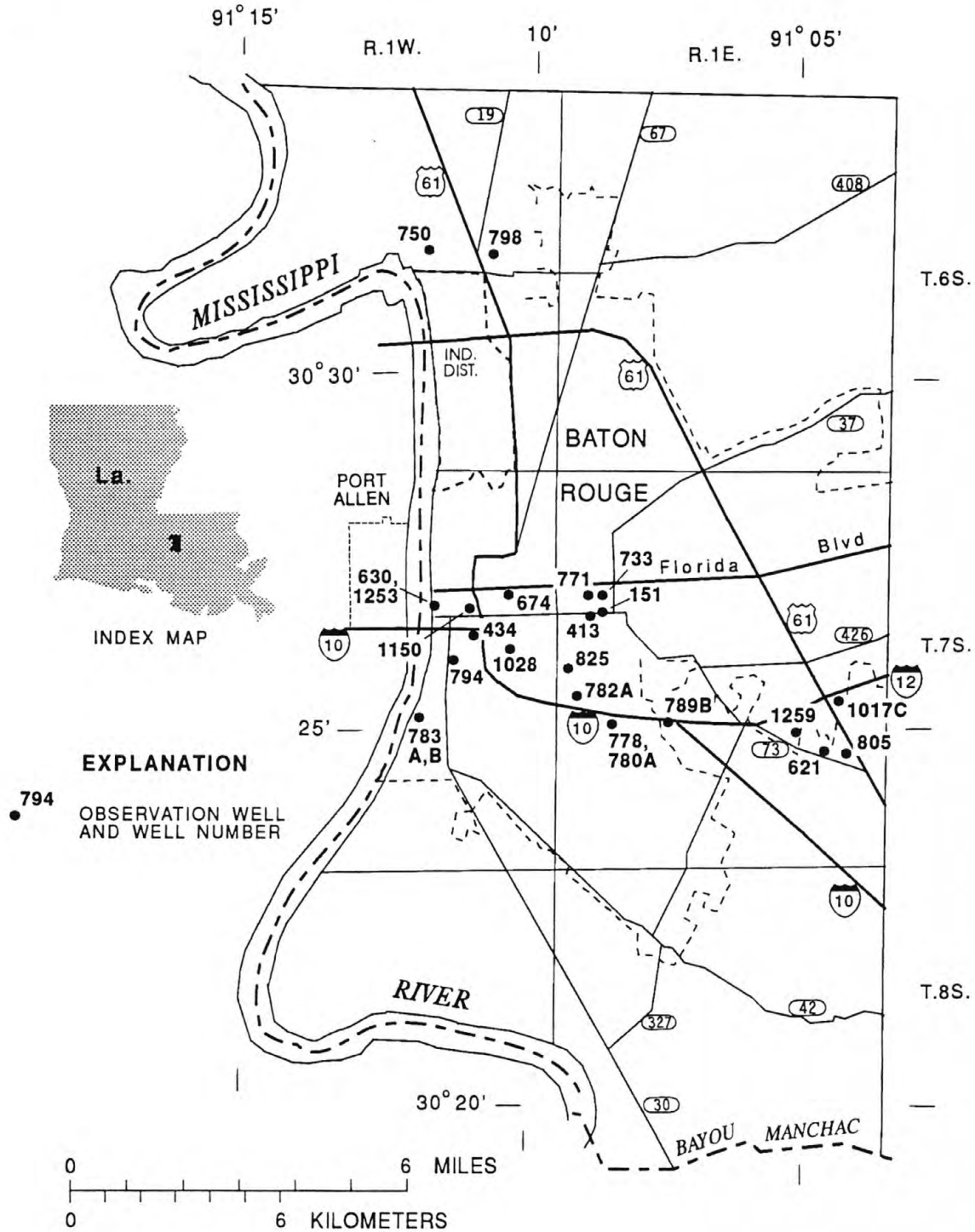


Figure 15. Location of wells for which water-quality data are included in shaded area of figure 14.

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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 the table for converting inch-pound units to International System of metric units (SI) on the inside of the back cover.

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material: see Bed Material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The classification is as follows:

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

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

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

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

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.

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Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.

Ethion 0,0,0',0'-tetraethyl S,S'methylenediphosphorodithioate.

Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H indene.

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

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

Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

Methyl parathion 0,0-dimethyl 0-4-nitrophenyl phosphorothioate.

Methyl trithion phosphorodithioic acid S-[[[4-chlorophenyl] thio]-methyl] 0,0-dimethyl ester.

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

Mirex 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.

Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.

Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.

Trithion S-[[[p-chlorophenyl]thio]methyl] 0,0-diethyl phosphorodithioate.

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

2,4-D (2,4-dichlorophenoxy) acetic acid.

2,4,5-T (2,4,5-trichlorophenoxy) acetic acid.

Silvex 2-(2,4,5-trichlorophenoxy) propionic acid.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Substrate is the physical surface upon which an organism lived.

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

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

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

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

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

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

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

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

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

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

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	<i>Hexagenia</i>
Species	<i>Hexagenia limbata</i>

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

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

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

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

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

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

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

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

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

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

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

WATER RESOURCES DATA - LOUISIANA, 1994

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 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.
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- 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-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 programmed 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.
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- 3-C1 *Fluvial sediment concepts*, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2 *Field methods for measurement of fluvial sediment*, by H.P. Guy and V.W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3 *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1 *Some statistical tools in hydrology*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.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.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 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.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

HYDROLOGIC-DATA STATION RECORDS

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA

(National stream-quality accounting network station)

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

DRAINAGE AREA.--6,573 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR 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.-- No estimated daily discharge. Records good. Several measurements of water temperature were made during the year.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2070	4160	5480	5390	62900	17100	17000	5870	3750	3730	4250	2520
2	2060	4010	4950	5520	60000	17400	18600	5310	4070	3460	3780	2810
3	2040	3930	4850	5480	57000	20700	20300	5080	3680	3570	3590	2710
4	2030	3470	5260	6770	55000	26100	22200	5800	3580	3650	3640	2640
5	2020	3140	5680	8310	54300	30200	23900	6900	3720	3440	3690	2840
6	2000	3320	5200	9160	54300	32400	25800	9470	3930	3260	3420	2970
7	1990	3640	4500	8950	53000	33100	27500	9700	4060	3070	3280	2690
8	1990	3300	4100	8590	49400	32800	29400	7690	3950	2980	3500	2520
9	1990	3060	4080	8310	47000	32100	31100	6670	3610	3510	3590	2510
10	1980	2870	4360	8240	46100	31300	32800	6210	3380	3870	3950	2580
11	1980	2750	4700	9040	47700	30300	34200	5950	3270	4290	3690	2560
12	1980	2630	5010	9180	48900	28500	35200	8000	3720	4980	3230	2490
13	1980	2550	4760	8680	50100	27000	36400	7460	5100	6460	2960	2490
14	2010	2510	5110	7920	52800	25100	39200	5540	6790	8100	2840	2410
15	2120	2570	8110	7180	54800	22600	40300	4660	6890	7870	2790	2390
16	2300	7090	10600	6540	54600	20100	41100	4280	5660	7550	2840	2410
17	2410	20100	11300	6180	53200	18200	43800	4070	4800	7670	2810	2380
18	2480	27700	10600	7110	51200	16300	45700	4610	4420	7950	2700	2360
19	2450	31700	10500	13300	48700	14300	43000	4590	3880	8690	2650	2420
20	2300	33900	9910	19800	45700	12400	38900	4100	3540	11200	2630	2490
21	2210	35100	8430	24200	42300	10100	36600	3860	3350	12200	2660	2420
22	2220	35900	7320	26200	39000	8840	34600	3630	3300	11700	2640	2500
23	2350	35100	7300	26300	38700	8300	30500	3480	3360	10100	2630	2470
24	2370	30600	7610	24700	36100	7400	22300	3360	3710	8690	2670	2500
25	2310	21500	7510	20700	33100	7080	14600	3280	4130	7530	2770	2420
26	2290	14600	7180	14400	28500	7370	10700	3230	4130	7400	2730	2280
27	2240	10700	6680	9610	23200	7500	8960	3210	4750	6680	2610	2220
28	2150	7940	6020	17400	19000	9140	7560	3550	5320	5720	2510	2200
29	2260	6520	5260	32100	---	11400	6680	3730	4900	4940	2460	2170
30	3520	5940	5160	47000	---	12900	6240	3440	4260	4520	2430	2140
31	4620	---	5280	60400	---	15000	---	3630	---	4500	2410	---
TOTAL	70720	372300	202810	472660	1306600	593030	825140	160360	127010	193280	94350	74510
MEAN	2281	12410	6542	15250	46660	19130	27500	5173	4234	6235	3044	2484
MAX	4620	35900	11300	60400	62900	33100	45700	9700	6890	12200	4250	2970
MIN	1980	2510	4080	5390	19000	7080	6240	3210	3270	2980	2410	2140
CFSM	.35	1.89	1.00	2.32	7.10	2.91	4.18	.79	.64	.95	.46	.38
IN.	.40	2.11	1.15	2.68	7.39	3.36	4.67	.91	.72	1.09	.53	.42

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

MEAN	2922	4325	10010	15470	19470	20340	19810	12530	5528	4692	3845	2949
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 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1939 - 1994

ANNUAL TOTAL	3982120		4492770									
ANNUAL MEAN	10910		12310							10110		
HIGHEST ANNUAL MEAN										22560		1983
LOWEST ANNUAL MEAN										3412		1963
HIGHEST DAILY MEAN	62400	Jan 21	62900	Feb 1	127000							Apr 24 1979
LOWEST DAILY MEAN	1980	Oct 10	1980	Oct 10	1020							Oct 29 1963
ANNUAL SEVEN-DAY MINIMUM	1980	Oct 7	1980	Oct 7	1030							Oct 26 1963
INSTANTANEOUS PEAK FLOW			64100	Feb 1	129000							Apr 24 1979
INSTANTANEOUS PEAK STAGE			20.89	Feb 1	23.23							Apr 24 1979
INSTANTANEOUS LOW FLOW			1970	Oct 13	1020							Oct 29 1963
INSTANTANEOUS LOW STAGE			7.64	Oct. 13	4.84							Oct. 30,31 1963
ANNUAL RUNOFF (CFSM)	1.66		1.87		1.54							
ANNUAL RUNOFF (INCHES)	22.54		25.43		20.90							
10 PERCENT EXCEEDS	28200		35500		28000							
50 PERCENT EXCEEDS	6650		5320		4640							
90 PERCENT EXCEEDS	2290		2410		1820							

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.82	10.74	12.26	12.18	20.86	17.59	17.55	12.61	10.25	10.22	10.85	8.50
2	7.79	10.57	11.69	12.30	20.77	17.65	17.89	12.09	10.65	9.87	10.29	8.93
3	7.76	10.47	11.57	12.26	20.68	18.23	18.17	11.85	10.16	10.01	10.04	8.79
4	7.74	9.88	12.04	13.35	20.61	18.91	18.43	12.55	10.04	10.12	10.10	8.69
5	7.73	9.42	12.44	14.38	20.59	19.35	18.66	13.45	10.21	9.83	10.18	8.98
6	7.69	9.68	11.97	14.88	20.59	19.56	18.88	15.03	10.47	9.59	9.81	9.18
7	7.68	10.11	11.16	14.76	20.54	19.63	19.08	15.16	10.63	9.32	9.62	8.76
8	7.68	9.64	10.68	14.55	20.43	19.60	19.27	13.99	10.49	9.20	9.91	8.49
9	7.67	9.31	10.65	14.38	20.35	19.53	19.44	13.31	10.07	9.91	10.04	8.49
10	7.66	9.03	11.00	14.34	20.32	19.46	19.60	12.91	9.75	10.39	10.50	8.59
11	7.66	8.84	11.39	14.81	20.37	19.36	19.72	12.68	9.60	10.90	10.17	8.56
12	7.66	8.66	11.76	14.89	20.41	19.18	19.81	14.18	10.20	11.73	9.54	8.46
13	7.65	8.54	11.47	14.60	20.45	19.02	19.92	13.83	11.84	13.09	9.17	8.45
14	7.70	8.49	11.83	14.14	20.54	18.80	20.07	12.29	13.38	14.25	8.99	8.33
15	7.89	8.57	14.24	13.66	20.60	18.48	20.12	11.35	13.46	14.11	8.90	8.30
16	8.16	12.74	15.58	13.19	20.60	18.14	20.15	10.89	12.42	13.90	8.98	8.34
17	8.34	18.07	15.90	12.89	20.55	17.81	20.24	10.64	11.52	13.98	8.93	8.29
18	8.44	19.09	15.60	13.57	20.48	17.41	20.31	11.29	11.06	14.16	8.78	8.26
19	8.39	19.49	15.54	16.52	20.40	16.92	20.21	11.26	10.41	14.59	8.69	8.35
20	8.17	19.70	15.27	18.07	20.31	16.32	20.06	10.68	9.97	15.87	8.67	8.46
21	8.02	19.80	14.45	18.69	20.19	15.36	19.93	10.38	9.71	16.24	8.71	8.35
22	8.05	19.87	13.75	18.93	20.07	14.70	19.76	10.10	9.64	16.07	8.69	8.48
23	8.24	19.80	13.75	18.95	20.05	14.38	19.37	9.89	9.72	15.37	8.66	8.43
24	8.28	19.39	13.94	18.75	19.89	13.81	18.43	9.73	10.19	14.60	8.73	8.46
25	8.18	18.31	13.88	18.21	19.62	13.60	16.96	9.62	10.72	13.89	8.88	8.35
26	8.16	16.98	13.67	16.88	19.18	13.79	15.66	9.54	10.72	13.81	8.82	8.14
27	8.08	15.62	13.31	15.10	18.56	13.87	14.76	9.52	11.46	13.30	8.63	8.05
28	7.93	14.15	12.75	17.30	17.96	14.85	13.91	9.99	12.11	12.48	8.49	8.01
29	8.11	13.17	12.04	19.52	---	15.92	13.31	10.22	11.63	11.68	8.41	7.96
30	9.91	12.68	11.93	20.34	---	16.49	12.94	9.84	10.87	11.18	8.36	7.92
31	11.31	---	12.07	20.78	---	17.10	---	10.10	---	11.16	8.34	---
MAX	11.31	19.87	15.90	20.78	20.86	19.63	20.31	15.16	13.46	16.24	10.85	9.18
MIN	7.65	8.49	10.65	12.18	17.96	13.60	12.94	9.52	9.60	9.20	8.34	7.92

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1962 to September 1970, June 1975 to October 1980, April 1981 to September 1981.
pH: June 1975 to October 1980.

WATER TEMPERATURES: November 1962 to September 1970, June 1975 to October 1980, April 1981 to September 1981.

DISSOLVED OXYGEN: June 1975 to October 1980.

SUSPENDED-SEDIMENT CONCENTRATIONS: April 1967 to current year.

SUSPENDED-SEDIMENT DISCHARGE: April 1967 to current year.

INSTRUMENTATION.--Water-quality monitor June 1975 to October 1980.

REMARKS.--Suspended-sediment data, sieve diameter, percent finer than 0.062 MM are instantaneous values. 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, 180 micromhos Sept. 10, 1965; minimum, 17 micromhos Apr. 26, 1979.

pH: Maximum, 8.4 units Oct. 19, 21, 1976; minimum, 5.4 units Jan. 23, 24, 1977, Jan. 18-20, 1980.

WATER TEMPERATURES: Maximum daily, 35.0 °C July 23, 1981; minimum daily, 1.5 °C Dec. 21, 1963.

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

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 576 mg/L Oct. 24, 1984; minimum daily mean, 2 mg/L Nov. 11-13, 1969, Oct. 15, 17, Nov. 14, 1971, Oct. 15-21, Nov. 3-5, 1972.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 80,600 tons Apr. 8, 1983; minimum daily, 7 tons Nov. 11-13, 1969.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 534 mg/L Aug. 29; minimum daily mean, 22 mg/L May 12, 26.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 21,400 tons Aug. 29; minimum daily, 145 tons May 26.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	
DEC 1993													
14...	1130	5110	74	6.99	13.0	20	18	10.2	1.6	310	240	15	
JAN 1994													
12...	1000	9180	80	7.83	7.5	50	40	11.6	1.9	310	180	17	
JUN													
09...	1130	3610	73	6.99	29.0	20	15	8.8	2.0	<2	64	13	
AUG													
08...	1130	3500	72	6.74	27.5	20	8.3	7.8	1.5	K22	K20	15	
DATE		CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LITY, CARBON- ATE IT-FLD (MG/L - CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
DEC 1993													
14...	4.0	1.1	6.9	2.0	18	14	7.3	5.6	<0.1	8.8	53	45	
JAN 1994													
12...	4.5	1.4	7.0	2.4	17	14	9.0	6.0	<0.1	7.9	59	49	
JUN													
09...	3.6	1.0	8.1	2.0	19	19	7.0	5.4	<0.1	8.7	60	48	
AUG													
08...	4.1	1.2	7.5	1.8	21	20	5.4	5.5	0.1	7.7	51	45	

< 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).

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)
DEC 1993											
14...	0.02	0.27	0.02	0.2	0.03	0.02	0.01	90	28	<3	320
JAN 1994											
12...	0.02	0.29	0.08	0.5	0.09	0.06	0.05	--	27	<3	370
JUN											
09...	<0.01	0.10	0.02	0.5	0.05	<0.01	<0.01	50	23	<3	310
AUG											
08...	<0.01	<0.05	<0.01	0.4	0.06	0.02	<0.01	80	23	<3	240
DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDEDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 1993											
14...	<4	--	<10	<1	<1	<1	31	<6	50	690	88
JAN 1994											
12...	<4	8	<10	1	<1	<1	34	<6	90	2230	77
JUN											
09...	<4	6	10	1	<1	<1	31	<6	36	351	98
AUG											
08...	<4	3	<10	1	<1	<1	34	<6	59	558	93

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

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 National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Jan. 28, May 13, 14, 17-31, July 5-7, Aug. 24-26.Records good.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)
Nov. 16	0530	10,900	18.34	Jan. 30	1000	8,170	16.18
Jan. 28	1700	*43,000	*a31.25	Feb. 11	1800	6,560	14.77

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	286	555	426	437	1220	791	533	440	484	414	369	305
2	279	412	422	453	966	2180	505	439	437	561	375	310
3	279	375	415	1100	847	2410	492	571	442	454	358	309
4	279	377	442	1030	794	2480	483	793	475	424	354	300
5	279	467	472	879	1480	1320	478	856	468	e425	348	296
6	279	448	483	744	2170	856	740	578	613	e400	355	294
7	279	441	432	650	1860	744	2050	496	473	e380	344	296
8	279	410	415	884	1680	678	2040	464	425	502	336	312
9	281	391	405	1020	1290	792	1950	463	405	867	330	315
10	279	388	501	760	1530	1810	933	934	425	524	325	349
11	278	379	915	606	5730	1740	681	1180	773	938	325	376
12	280	376	765	551	5430	1140	720	1130	1710	1360	321	409
13	291	373	725	534	4770	815	1490	e700	1810	2000	317	332
14	347	375	2420	523	2540	711	1610	e585	3120	2150	316	313
15	385	4780	2300	504	1260	654	1070	500	1810	1440	317	311
16	371	9010	1560	491	1010	613	3510	471	1140	765	317	322
17	332	4850	820	879	876	580	2960	e1200	650	651	312	431
18	318	4820	646	2740	802	558	2130	e800	540	558	309	965
19	314	3700	566	2640	746	543	1500	e660	506	489	307	794
20	309	2080	520	2660	710	533	793	e560	479	803	306	430
21	361	908	487	1350	662	519	664	e500	460	776	317	360
22	342	690	492	888	638	510	617	e490	964	720	314	337
23	328	597	554	775	961	503	610	e485	1170	576	316	326
24	325	545	618	721	2060	499	561	e470	1160	468	e322	319
25	327	510	634	688	1910	601	521	e455	729	419	e317	314
26	321	485	550	670	1260	704	497	e440	664	393	e313	309
27	318	473	494	6050	845	651	481	e420	554	421	310	307
28	318	460	469	e26000	733	652	465	e417	476	416	308	304
29	369	451	488	5670	---	762	450	e410	441	384	309	304
30	564	437	473	6290	---	726	441	e405	424	368	305	302
31	723	---	451	2650	---	585	---	e400	---	358	300	---
TOTAL	10320	40563	21360	71837	46780	28660	31975	18712	24227	21404	10072	10951
MEAN	333	1352	689	2317	1671	925	1066	604	808	690	325	365
MAX	723	9010	2420	26000	5730	2480	3510	1200	3120	2150	375	965
MIN	278	373	405	437	638	499	441	400	405	358	300	294
CFSM	.68	2.75	1.40	4.71	3.40	1.88	2.17	1.23	1.64	1.40	.66	.74
IN.	.78	3.07	1.62	5.43	3.54	2.17	2.42	1.41	1.83	1.62	.76	.83

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1994, BY WATER YEAR (WY)

MEAN	390	516	887	1282	1437	1354	1272	887	522	468	416	382
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1944 - 1994	
ANNUAL TOTAL	338722		336861			
ANNUAL MEAN	928		923		815	
HIGHEST ANNUAL MEAN					1301	
LOWEST ANNUAL MEAN					394	
HIGHEST DAILY MEAN	12900b	Jan 21	26000	Jan 28	56900	Apr 7 1983
LOWEST DAILY MEAN	278	Oct 11	278	Oct 11	177	Oct 31 1963
ANNUAL SEVEN-DAY MINIMUM	279	Oct 2	279	Oct 2	179	Oct 25 1963
INSTANTANEOUS PEAK FLOW			43000	Jan 23	64200	Apr 7 1983
INSTANTANEOUS PEAK STAGE			31.25a	Jan 23	34.62	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.89		1.88		1.66	
ANNUAL RUNOFF (INCHES)	25.61		25.47		22.50	
10 PERCENT EXCEEDS	2170		1830		1600	
50 PERCENT EXCEEDS	481		502		403	
90 PERCENT EXCEEDS	314		312		248	

a From flood mark.

e Estimated

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 flood-mark.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 48,300 ft³/s, Jan. 29, gage height, 19.47 ft; minimum gage height, 0.53 ft, Oct. 11.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	1.49	1.22	1.27	5.28	2.02	1.48	1.36	1.50	1.08	1.07	.94
2	.59	1.15	1.19	1.29	3.80	3.36	1.40	1.30	1.38	1.08	1.09	1.00
3	.59	.96	1.17	1.47	3.20	4.35	1.34	1.65	1.59	1.25	1.10	.92
4	.58	.90	1.53	2.20	2.89	4.28	1.31	2.02	2.09	1.07	1.15	.83
5	.57	1.21	1.73	1.86	4.48	3.72	1.29	2.05	1.72	1.08	1.06	.73
6	.56	1.35	1.37	1.76	6.33	2.41	2.16	1.77	1.79	1.05	.99	.70
7	.55	1.16	1.25	1.59	5.09	2.05	3.48	1.44	1.76	.99	.97	.69
8	.55	1.04	1.16	1.65	4.31	1.88	3.84	1.32	1.41	1.03	.92	.70
9	.55	1.00	1.12	1.94	3.77	2.41	3.67	1.40	1.22	1.88	.89	.73
10	.55	1.01	1.16	1.88	3.64	3.92	2.93	2.45	1.19	2.03	.87	.74
11	.54	.94	1.56	1.58	6.60	3.96	1.94	2.44	2.08	2.63	.85	1.07
12	.54	.89	1.81	1.44	8.34	3.37	1.77	2.57	2.91	3.03	.83	1.01
13	.58	.88	1.72	1.36	7.50	2.43	4.32	2.08	3.58	5.56	.83	.91
14	.79	.88	4.33	1.30	5.99	2.07	4.34	1.61	4.46	4.58	.82	.77
15	.79	3.05	4.37	1.24	3.78	1.90	3.61	1.41	4.20	4.22	.81	.74
16	.84	8.97	3.73	1.18	2.88	1.78	6.60	1.29	3.05	2.76	.83	.82
17	.78	9.70	2.58	1.32	2.51	1.68	7.95	1.30	2.03	2.43	.80	1.02
18	.69	7.18	1.94	2.94	2.26	1.62	5.71	1.65	1.58	2.15	.78	1.24
19	.65	6.16	1.71	3.86	2.11	1.57	4.38	1.69	1.39	2.41	.76	1.84
20	.62	4.64	1.57	3.69	1.99	1.53	3.01	1.32	1.31	2.42	.76	1.35
21	.70	2.84	1.47	3.08	1.91	1.49	2.61	1.18	1.23	2.83	.77	.95
22	.80	2.10	1.43	1.98	1.81	1.46	2.15	1.11	1.51	2.38	.82	.83
23	.74	1.83	1.80	1.69	2.12	1.43	1.98	1.07	2.15	2.16	.78	.79
24	.68	1.67	1.71	1.53	3.32	1.40	1.85	1.04	2.78	1.73	.97	.75
25	.67	1.53	1.68	1.44	3.67	1.49	1.79	1.01	2.16	1.44	.81	.72
26	.66	1.45	1.58	1.38	3.21	1.64	1.62	.99	1.70	1.29	.76	.70
27	.63	1.42	1.44	3.71	2.30	1.75	1.52	1.07	1.54	1.24	.74	.69
28	.62	1.38	1.35	14.92	1.94	1.94	1.44	1.93	1.31	1.30	.73	.68
29	1.19	1.32	1.36	18.76	---	1.81	1.37	1.39	1.18	1.18	.73	.67
30	2.69	1.27	1.36	17.35	---	1.88	1.34	1.21	1.11	1.10	.73	.66
31	1.66	---	1.30	10.15	---	1.67	---	1.40	---	1.04	.72	---
MAX	2.69	9.70	4.37	18.76	8.34	4.35	7.95	2.57	4.46	5.56	1.15	1.84
MIN	.54	.88	1.12	1.18	1.81	1.40	1.29	.99	1.11	.99	.72	.66

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.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

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)
Nov. 18	1819	12,700	11.35	Jan. 30	2130	*49,900	*16.33

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	820	1880	1250	1330	21200	2410	1780	1530	1540	1170	1080	853
2	812	1420	1220	1310	9860	3010	1650	1510	1680	1160	1100	1000
3	804	1170	1200	1320	4930	3700	1570	1540	1530	1180	1100	1040
4	797	1050	1230	1490	3640	3990	1530	1940	1640	1200	1180	1010
5	793	1060	1680	1810	3420	3960	1500	2010	2020	1120	1240	902
6	786	1260	1690	1660	4460	3600	1560	1990	1880	1130	1100	845
7	779	1290	1430	1590	6880	2760	2490	1740	1930	1100	1050	831
8	775	1130	1310	1510	6580	2380	3220	1540	1760	1110	1020	837
9	773	1070	1240	1570	4670	2350	3360	1480	1480	1220	1000	833
10	771	1080	1210	1720	3950	3460	3270	1880	1350	1850	979	844
11	766	1070	1280	1640	3910	4150	2780	2390	1550	2100	964	865
12	762	1020	1530	1480	6040	3950	2180	2330	1990	2470	953	1030
13	768	983	1620	1400	9810	3420	2370	2310	2680	2960	942	1000
14	824	974	2140	1340	10000	2710	3590	1960	3090	4040	940	924
15	890	1010	3390	1300	8450	2340	3850	1670	3510	4100	926	876
16	897	2650	3630	1250	4800	2160	4010	1530	3560	3720	921	902
17	904	6040	3220	1270	3380	2010	6590	1450	2840	2780	917	941
18	868	11500	2370	1620	2960	1900	9970	1470	2050	2370	901	1020
19	830	10600	1890	2550	2720	1830	8620	1670	1610	2150	885	1190
20	812	8030	1690	3040	2550	1780	5050	1600	1420	2470	873	1470
21	819	5110	1580	3040	2410	1730	3500	1420	1330	2490	877	1150
22	861	3060	1500	2560	2310	1680	3030	1340	1280	2740	883	955
23	898	2230	1620	1870	2500	1640	2570	1290	1580	2530	896	895
24	867	1910	1840	1600	3420	1620	2250	1250	2090	2280	881	863
25	837	1700	1710	1480	3740	1690	2040	1220	2490	1790	967	841
26	827	1530	1630	1400	3660	1810	1900	1200	2070	1470	888	821
27	817	1430	1530	1470	3270	1840	1760	1200	1670	1340	863	811
28	803	1390	1430	3770	2630	2020	1660	1450	1470	1320	854	807
29	912	1350	1410	18900	---	2290	1590	1760	1310	1300	851	801
30	2190	1290	1400	44200	---	2090	1530	1460	1220	1190	855	794
31	2800	---	1380	41100	---	1980	---	1350	---	1120	859	---
TOTAL	28862	77287	53250	153590	148150	78260	92770	50480	57620	60970	29745	27951
MEAN	931	2576	1718	4955	5291	2525	3092	1628	1921	1967	960	932
MAX	2800	11500	3630	44200	21200	4150	9970	2390	3560	4100	1240	1470
MIN	762	974	1200	1250	2310	1620	1500	1200	1220	1100	851	794
CFSM	.77	2.12	1.42	4.08	4.36	2.08	2.55	1.34	1.58	1.62	.79	.77
IN.	.89	2.37	1.63	4.71	4.54	2.40	2.85	1.55	1.77	1.87	.91	.86

PEARL RIVER BASIN
02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1994, BY WATER YEAR (WY)

MEAN	916	1250	2205	2906	3493	3234	3301	2161	1385	1267	1140	1029
MAX	2772	4298	7751	9596	10230	9284	14640	8770	5387	4020	3024	2597
(WY)	1985	1962	1962	1990	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 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1938 - 1994

ANNUAL TOTAL	921134		858935									
ANNUAL MEAN	2524		2353						2016			
HIGHEST ANNUAL MEAN									3697		1983	
LOWEST ANNUAL MEAN									919		1963	
HIGHEST DAILY MEAN	43300	Jan 22	44200	Jan 30	126000	Apr 8 1983						
LOWEST DAILY MEAN	762	Oct 12	762	Oct 12	369	Oct 26 1968						
ANNUAL SEVEN-DAY MINIMUM	771	Oct 7	771	Oct 7	382	Oct 25 1968						
INSTANTANEOUS PEAK FLOW			49900	Jan 30	132000	Apr 8 1983						
INSTANTANEOUS PEAK STAGE			16.33	Jan 30	21.22	Apr 8 1983						
INSTANTANEOUS LOW FLOW			760	Oct 12	*366	Oct 22 1968						
INSTANTANEOUS LOW STAGE			3.56	Oct 12	**0.7	Oct 1 1937						
ANNUAL RUNOFF (CFSM)	2.08		1.94		1.66							
ANNUAL RUNOFF (INCHES)	28.25		26.34		22.58							
10 PERCENT EXCEEDS	4560		3730		3880							
50 PERCENT EXCEEDS	1530		1540		1150							
90 PERCENT EXCEEDS	902		857		640							

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

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.70	5.95	4.52	4.68	12.71	6.70	5.58	5.09	5.11	4.48	4.41	3.82
2	3.68	5.09	4.45	4.65	10.75	7.61	5.33	5.07	5.39	4.45	4.45	4.17
3	3.67	4.56	4.40	4.66	9.41	8.55	5.18	5.12	5.10	4.50	4.47	4.26
4	3.65	4.30	4.48	5.02	8.48	8.92	5.10	5.87	5.31	4.55	4.62	4.18
5	3.64	4.30	5.38	5.63	8.18	8.88	5.04	6.01	6.02	4.38	4.73	3.93
6	3.63	4.75	5.40	5.35	9.18	8.42	5.16	5.96	5.76	4.39	4.45	3.79
7	3.61	4.82	4.89	5.22	10.05	7.25	6.79	5.50	5.85	4.33	4.33	3.74
8	3.60	4.47	4.65	5.05	9.97	6.63	7.91	5.12	5.54	4.33	4.27	3.76
9	3.59	4.34	4.49	5.17	9.37	6.59	8.11	5.00	4.99	4.58	4.22	3.75
10	3.59	4.36	4.44	5.46	8.87	8.23	7.98	5.75	4.73	5.72	4.17	3.78
11	3.58	4.33	4.58	5.31	8.83	9.10	7.26	6.66	5.14	6.17	4.13	3.83
12	3.57	4.20	5.09	4.99	9.79	8.87	6.30	6.56	5.97	6.79	4.10	4.23
13	3.58	4.12	5.27	4.83	10.76	8.17	6.61	6.53	7.12	7.54	4.07	4.16
14	3.72	4.10	6.20	4.71	10.81	7.17	8.41	5.91	7.72	8.97	4.07	3.97
15	3.89	4.20	8.14	4.62	10.45	6.58	8.75	5.37	8.30	9.05	4.03	3.85
16	3.90	7.11	8.46	4.52	9.31	6.26	8.94	5.09	8.38	8.58	4.02	3.91
17	3.92	9.71	7.90	4.57	8.13	6.01	9.96	4.94	7.35	7.26	4.00	4.01
18	3.83	11.11	6.62	5.26	7.54	5.81	10.80	4.98	6.07	6.62	3.96	4.19
19	3.74	10.94	5.76	6.90	7.18	5.68	10.48	5.36	5.31	6.25	3.92	4.54
20	3.69	10.34	5.41	7.66	6.92	5.57	9.47	5.23	4.96	6.79	3.89	5.08
21	3.71	9.46	5.20	7.65	6.70	5.48	8.29	4.88	4.80	6.83	3.90	4.47
22	3.81	7.67	5.03	6.92	6.52	5.40	7.64	4.71	4.70	7.21	3.91	4.03
23	3.91	6.38	5.28	5.75	6.82	5.32	6.94	4.60	5.24	6.88	3.94	3.88
24	3.83	5.81	5.70	5.24	8.18	5.27	6.43	4.52	6.15	6.47	3.90	3.80
25	3.76	5.44	5.45	4.99	8.61	5.40	6.06	4.46	6.82	5.66	4.11	3.74
26	3.73	5.09	5.30	4.83	8.51	5.64	5.80	4.41	6.11	5.13	3.92	3.69
27	3.71	4.90	5.10	4.97	7.97	5.69	5.53	4.40	5.42	4.91	3.85	3.66
28	3.67	4.81	4.90	8.31	7.04	6.02	5.36	4.94	5.07	4.86	3.82	3.65
29	3.94	4.72	4.86	12.25	---	6.49	5.22	5.55	4.76	4.83	3.82	3.63
30	6.46	4.61	4.83	15.69	---	6.14	5.11	4.96	4.59	4.63	3.83	3.61
31	7.45	---	4.78	15.32	---	5.94	---	4.74	---	4.49	3.84	---
MAX	7.45	11.11	8.46	15.69	12.71	9.10	10.80	6.66	8.38	9.05	4.73	5.08
MIN	3.57	4.10	4.40	4.52	6.52	5.27	5.04	4.40	4.59	4.33	3.82	3.61

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 only). Daily discharge records October 1961 to September 1963 and gage heights only October 1970 to September 1975 in files of Corps of Engineers, Mobile District. Gage-height records since June 1906 are in reports of National Weather Service and 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. Non-recording gage (wire weight read once daily). Datum of gage is 0.05 ft. below sea level, prior to Sept. 30, 1992, water stage recorder, same datum. 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.

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, 90,400 ft³/s, Feb. 1, gage height 17.48 ft, from graph based on gage readings; minimum gage height 4.22 ft, Oct. 13, from graph based on gage readings

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.50	8.02	9.21	8.22	17.48	13.72	11.29	9.21	6.78	7.48	7.52	4.95
2	4.50	7.98	8.67	8.21	17.46	13.51	11.72	8.86	6.85	7.01	7.31	4.98
3	4.48	7.46	8.25	8.24	17.25	13.31	11.98	8.64	7.15	6.67	7.09	5.25
4	4.41	7.09	7.95	8.35	16.95	13.20	12.50	8.47	7.05	6.50	6.80	5.39
5	4.38	6.77	8.00	8.59	16.69	13.44	12.60	8.64	7.00	6.49	6.80	5.41
6	4.37	6.50	8.25	9.18	16.54	13.87	12.82	8.95	7.39	6.41	7.13	5.34
7	4.36	6.40	8.48	9.68	16.48	14.23	13.15	9.40	7.58	6.29	6.75	5.42
8	4.39	6.51	8.10	9.98	16.48	14.48	13.50	9.95	7.59	6.12	6.40	5.38
9	4.43	6.48	7.62	10.04	16.44	14.60	13.84	10.03	7.39	6.00	6.32	5.25
10	4.36	6.30	7.25	10.00	16.28	14.68	14.10	9.67	7.02	6.35	6.39	5.15
11	4.32	6.05	7.29	9.95	16.07	14.72	14.38	9.39	6.64	7.14	6.47	5.11
12	4.26	5.89	7.51	10.00	16.02	14.69	14.62	9.29	6.59	7.62	6.49	5.23
13	4.22	5.75	7.88	10.07	16.12	14.57	14.87	9.31	6.89	8.39	6.29	5.29
14	4.36	5.63	8.32	10.08	16.27	14.30	15.07	9.69	7.88	9.25	6.01	5.30
15	4.51	5.54	8.60	9.96	16.40	13.99	15.32	9.39	8.84	10.38	5.73	5.32
16	4.65	5.90	9.37	9.65	16.50	13.67	15.64	8.66	9.60	10.89	5.60	5.38
17	4.79	7.39	10.40	9.38	16.51	13.37	15.88	7.89	9.80	10.78	5.49	5.30
18	4.92	9.92	11.10	9.22	16.38	13.02	16.01	7.43	9.27	10.55	5.42	5.15
19	5.00	12.58	11.18	9.28	16.25	12.65	16.15	7.33	8.43	10.31	5.35	5.13
20	5.02	14.10	11.05	10.05	16.10	12.20	16.30	7.54	7.70	10.25	5.24	5.29
21	4.97	14.68	10.85	11.33	15.95	11.28	16.05	7.49	7.20	10.55	5.20	5.58
22	4.86	14.90	10.57	12.47	15.80	11.24	15.75	7.13	6.70	11.10	5.13	5.45
23	4.76	14.98	10.15	13.25	15.63	10.72	15.39	6.76	6.62	11.70	5.19	5.31
24	4.78	14.90	9.87	13.48	15.48	10.26	14.93	6.49	6.90	11.75	5.22	5.17
25	4.88	14.67	9.73	13.52	15.50	9.94	14.34	6.29	7.55	11.23	5.25	5.05
26	4.92	14.30	9.67	13.40	15.30	9.70	13.62	6.13	8.13	10.44	5.38	4.92
27	4.85	13.45	9.60	13.02	14.95	9.55	13.05	6.08	8.08	9.80	5.39	4.80
28	4.74	12.35	9.40	12.68	14.36	9.54	11.31	6.13	7.82	9.43	5.30	4.69
29	4.81	11.17	9.09	12.55	---	9.86	10.14	6.32	7.83	9.08	5.20	4.60
30	5.80	10.03	8.70	14.10	---	10.45	9.62	6.53	7.85	8.46	5.09	4.59
31	7.09	---	8.38	16.40	---	10.98	---	6.68	---	7.85	5.00	---
MAX	7.09	14.98	11.18	16.40	17.48	14.72	16.30	10.03	9.80	11.75	7.52	5.58
MIN	4.22	5.54	7.25	8.21	14.36	9.54	9.62	6.08	6.59	6.00	5.00	4.59

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 2., 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.

REMARKS.--Records for the 1994 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. DIS- CHARGE, SUS- PENDED (T/DAY)	SIEVE DIAM. % FINER THAN .062 MM
OCT 1992					
13...	1230	260000	173	121000	80
19...	1230	209000	141	79500	82
NOV					
02...	1230	255000	108	74300	89
16...	1230	343000	159	147000	81
30...	1230	714000	400	771000	63
DEC					
14...	1230	569000	274	421000	58
30...	1000	891000	367	882000	84
JAN 1993					
11...	1230	853000	396	913000	52
25...	1230	938000	253	642000	53
FEB					
08...	1130	866000	216	505000	52
22...	1100	628000	221	375000	63
MAR					
08...	1000	800000	374	808000	67
22...	1100	932000	273	686000	71
APR					
05...	1130	914000	268	662000	60
19...	1100	1050000	209	592000	62
MAY					
03...	1230	1040000	183	514000	49
17...	1230	1030000	160	445000	52
JUN					
01...	1245	851000	267	615000	60
15...	1030	653000	237	417000	80
28...	1230	657000	249	441000	70
JUL					
12...	1230	631000	293	498000	87
21...	1200	732000	322	636000	85
26...	1300	723000	311	607000	81
28...	1145	731000	287	566000	81
AUG					
02...	1400	702000	231	437000	74
04...	1445	771000	252	525000	64
09...	1200	757000	265	541000	69
12...	1230	794000	378	811000	72
18...	1130	782000	224	474000	70
23...	1230	779000	199	419000	65
SEP					
07...	1030	585000	222	351000	87
20...	1130	496000	367	492000	57

LOWER MISSISSIPPI RIVER BASIN

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186000	77000	791000	908000	486000	665000	638000	527000	613000	439000	460000	420000
2	192000	74000	793000	917000	494000	760000	643000	525000	600000	440000	437000	417000
3	199000	78000	856000	916000	494000	877000	640000	513000	587000	442000	479000	413000
4	209000	80000	836000	911000	500000	970000	649000	512000	569000	445000	524000	391000
5	214000	85000	816000	909000	505000	1060000	661000	498000	553000	452000	528000	380000
6	206000	87000	786000	901000	510000	1170000	654000	491000	535000	458000	527000	363000
7	193000	85000	759000	899000	510000	1270000	641000	474000	511000	462000	529000	350000
8	180000	83000	721000	911000	504000	1370000	647000	461000	493000	457000	533000	330000
9	183000	83000	676000	925000	493000	1260000	661000	449000	474000	462000	541000	332000
10	188000	83000	635000	942000	472000	1160000	665000	441000	459000	468000	669000	336000
11	150000	86000	589000	975000	456000	1090000	659000	437000	427000	479000	808000	336000
12	134000	89000	535000	936000	433000	1030000	656000	436000	425000	499000	983000	346000
13	121000	97000	477000	908000	411000	975000	651000	427000	414000	518000	887000	356000
14	107000	112000	420000	858000	380000	944000	636000	432000	412000	536000	795000	375000
15	97000	126000	414000	811000	354000	918000	631000	437000	417000	554000	714000	393000
16	89000	147000	387000	765000	335000	882000	622000	440000	421000	573000	643000	416000
17	87000	163000	389000	727000	329000	845000	616000	444000	424000	588000	530000	432000
18	83000	186000	399000	684000	327000	812000	604000	457000	429000	602000	472000	449000
19	79000	214000	423000	645000	333000	780000	592000	480000	433000	615000	446000	466000
20	75000	243000	444000	608000	344000	746000	592000	499000	436000	626000	419000	491000
21	73000	286000	482000	587000	356000	712000	589000	522000	440000	636000	458000	490000
22	73000	331000	519000	549000	374000	686000	588000	537000	444000	629000	439000	486000
23	72000	367000	560000	512000	409000	695000	586000	555000	449000	625000	418000	481000
24	73000	419000	603000	470000	441000	699000	584000	562000	459000	619000	421000	484000
25	74000	459000	646000	438000	464000	707000	583000	575000	462000	612000	429000	484000
26	75000	503000	699000	447000	499000	704000	578000	575000	459000	606000	433000	487000
27	79000	546000	757000	455000	544000	699000	573000	586000	451000	585000	436000	496000
28	81000	601000	806000	465000	595000	687000	566000	589000	441000	566000	441000	503000
29	82000	683000	844000	471000	---	674000	561000	589000	441000	540000	444000	507000
30	81000	770000	882000	476000	---	659000	543000	600000	441000	512000	450000	519000
31	80000	---	899000	482000	---	648000	---	606000	---	486000	422000	---
MAX	214000	770000	899000	975000	595000	1370000	665000	606000	613000	636000	983000	519000
MIN	72000	74000	387000	438000	327000	648000	543000	427000	412000	439000	418000	330000

RED RIVER BASIN

07337000 RED RIVER AT INDEX, ARKANSAS
(National stream-quality accounting network station)

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.

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929. Prior to Dec. 12, 1939, non-recording 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.

AVERAGE DISCHARGE.—57 years, 13,000 ft³/s, 9,418,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 297,000 ft³/s Feb. 23, 1938, gage height, 34.25 ft; minimum, 378 ft³/s Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 69,900 ft³/s Dec. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6200	5470	5930	7300	14800	35400	14200	9860	42600	7920	6770	5300
2	6410	5220	6920	6960	13200	40100	13100	19200	44000	7510	6880	5450
3	6220	6110	20100	6560	9570	46100	12100	34500	39800	7390	7130	6210
4	5670	7180	47300	5780	7800	48200	10200	44400	34800	7450	7230	6760
5	5250	7520	67800	4590	6840	45600	8320	46600	32100	7400	6970	6880
6	4540	6810	69900	3950	6170	43000	6410	48500	29700	6150	6820	6460
7	4250	5000	57200	3890	5940	42100	5400	47000	23200	5490	6810	6310
8	3890	3860	49800	4400	5710	41100	5020	45400	20700	5340	6930	6340
9	4010	3110	45900	4400	5100	41800	5310	48000	20900	5360	7260	5910
10	3770	3650	47000	5720	5620	44000	5320	46600	22300	5140	11900	4230
11	3450	6100	45400	7010	6090	45600	5030	43700	22800	5150	13200	3660
12	3230	6570	42200	8240	5980	43000	4970	43100	23800	6040	14700	3110
13	3290	5530	38500	8660	5190	39300	4780	41700	28200	7370	16100	3240
14	3750	4210	33400	8450	7290	38900	5270	40600	23800	10700	13000	4970
15	4000	3730	29300	7960	9200	39700	5560	41100	16100	27000	11000	5430
16	4110	4130	26200	7800	8610	37700	6640	43300	12700	34000	10000	5020
17	4250	5310	20900	8020	8360	32800	6470	41200	11200	28900	8830	4860
18	5260	9370	20300	8970	7990	26900	5100	35600	9700	26100	6480	4750
19	10100	14800	20500	10200	7270	21700	4310	31000	8270	24000	5730	4690
20	27200	17700	18100	11300	7020	19000	4050	26000	6630	20200	5380	4640
21	48600	17300	15900	14400	7130	18000	3910	20900	6210	16200	5070	4740
22	56900	15200	13800	14600	9510	17300	3720	16700	6450	13700	5360	5050
23	46800	12400	12800	13100	16800	16700	3610	13300	6690	10600	5640	4930
24	34500	10700	12000	11200	30700	16200	3500	10800	6520	10900	6430	4530
25	24500	8540	10200	10700	39600	16200	3430	8920	6300	10900	6520	4320
26	19200	5960	8920	13400	40400	16300	3420	8090	5630	8670	6310	4290
27	16200	5760	8370	15000	36800	16800	3370	8220	5290	7040	6290	3880
28	13100	5700	8060	15800	34600	18900	3510	9200	5410	6330	5400	3080
29	10100	4960	7860	15400	---	18800	3960	17100	5810	5950	5180	2950
30	7320	5240	7840	14000	---	16600	5450	24300	7170	5760	5280	2730
31	6150	---	7700	14500	---	15100	---	32400	---	6270	5210	---
TOTAL	402220	223140	826100	292260	369290	958900	175440	947290	534780	356930	241810	144720
MEAN	12970	7438	26650	9428	13190	30930	5848	30560	17830	11510	7800	4824
MAX	56900	17700	69900	15800	40400	48200	14200	48500	44000	34000	16100	6880
MIN	3230	3110	5930	3890	5100	15100	3370	8090	5290	5140	5070	2730
AC-FT	797800	442600	1639000	579700	732500	1902000	348000	1879000	1061000	708000	479600	287100
CAL YR 1992	TOTAL	8743140	MEAN	23890	MAX	73200	MIN	2180	AC-FT	17340000		
WTR YR 1993	TOTAL	8932280	MEAN	24470	MAX	105000	MIN	2180	AC-FT	17720000		

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA

LOCATION.—Lat 32°53'35", long 93°49'20", in SW 1/4 sec.16, T.22 N., R.14 W., Bossier-Caddo Parish line, Hydrologic Unit 11140202, near left bank on downstream side of bridge on State Highway 2, 1.8 mi downstream from Dry Bayou, and 3.2 mi east of Hosston.

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

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

GAGE.—Nonrecording gage read once daily. Datum of gage is 161.56 ft above sea level (levels by Corps of Engineers). Prior to Feb. 20, 1962, water-stage recorder at same site and datum.

REMARKS.—No daily discharges published above 5,000 ft³/s. No estimated daily discharges. Regulation since July 1942 by Lake Texoma (capacity, 5,392,000 acre-ft), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft). Several measurements of water temperature were made during the year.

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

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 214,000 ft³/s, May 7, 1958; maximum gage height, 30.70 ft, May 15, 1990; minimum daily, 803 ft³/s, Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.—Daily discharges less than 5,000 ft³/s and minimum (*).

Date	Discharge (ft ³ /s)
Sept. 28	4,970
Sept. 29	4,970
Sept. 30	*4,080

Maximum gage height, 16.78, Dec. 7; minimum gage height, -0.88 ft, Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.60	9.40	6.15	6.40	10.80	11.65	8.20	.24	8.96	.92	4.60	.80
2	1.50	8.62	6.02	6.38	10.70	11.95	7.40	1.24	10.80	1.48	4.60	.65
3	1.72	8.08	6.95	5.85	10.15	12.72	6.40	4.32	11.82	1.98	4.48	.54
4	1.92	7.85	10.70	5.20	9.60	12.90	5.68	10.00	11.22	2.05	4.40	.58
5	2.10	7.62	13.90	4.52	9.12	13.05	5.48	11.80	10.30	1.95	4.30	.72
6	2.35	7.43	15.50	4.22	8.72	13.48	4.78	12.88	9.60	1.94	4.10	1.18
7	2.45	7.10	16.52	3.95	8.30	13.62	4.15	13.25	8.80	1.76	3.35	1.20
8	2.70	6.72	16.18	3.65	7.88	13.58	3.60	12.98	7.94	1.16	3.02	1.12
9	2.80	6.42	15.90	2.50	7.40	13.60	3.18	12.46	7.02	.76	2.82	1.02
10	2.70	6.02	15.82	1.98	7.10	13.75	2.98	12.25	7.00	.65	2.64	.92
11	2.35	5.75	16.15	2.40	6.60	14.15	2.78	12.36	7.06	.70	2.70	—
12	2.65	5.52	16.60	3.00	6.27	14.00	2.24	11.95	8.05	1.16	3.80	—
13	2.88	5.30	16.28	2.95	5.82	13.60	2.05	11.76	8.50	2.42	5.22	—
14	3.15	5.18	15.40	3.68	5.30	13.36	2.62	11.80	8.82	2.94	5.38	—
15	3.41	5.05	14.82	4.88	4.67	13.18	3.36	11.55	9.05	3.26	4.84	—
16	3.62	5.42	14.32	5.12	4.00	12.98	4.15	11.40	8.00	6.24	4.22	.20
17	3.75	6.52	13.70	5.05	3.78	13.00	4.10	11.40	6.76	9.72	3.70	.24
18	4.22	7.10	13.20	5.10	3.50	12.10	3.90	11.82	5.60	9.74	3.20	.20
19	6.42	8.10	12.70	5.70	3.00	10.88	3.84	11.36	4.75	9.68	2.45	.18
20	8.90	9.20	12.12	6.60	3.08	9.70	3.30	10.24	3.80	9.64	1.25	.08
21	11.01	9.42	11.18	7.50	3.77	9.08	2.74	9.15	3.16	9.28	.75	.04
22	13.50	9.30	10.08	7.93	3.62	8.50	2.10	8.18	2.70	8.78	.52	.10
23	14.85	9.05	9.50	8.22	6.05	7.90	1.44	6.68	2.16	8.25	.30	.11
24	15.00	8.70	8.80	8.20	8.12	7.50	1.00	5.85	1.94	7.46	.32	.22
25	14.00	7.95	8.20	7.58	10.38	7.38	.74	5.28	1.80	6.84	.68	-.03
26	12.95	7.28	7.85	8.15	11.00	7.35	.60	4.78	1.55	6.72	1.32	-.19
27	12.18	6.82	7.40	9.25	11.46	7.80	.38	4.40	1.36	6.56	1.66	-.37
28	11.55	6.60	7.00	10.26	11.48	8.05	.12	4.46	1.05	6.15	1.76	-.42
29	11.05	6.39	6.85	10.58	—	8.50	.00	4.68	.42	5.78	1.68	-.42
30	10.50	6.28	6.72	10.68	—	8.95	.10	5.95	.25	5.30	1.38	-.88
31	9.90	—	6.42	10.82	—	8.80	—	7.38	—	4.70	1.10	—
MAX	15.00	9.42	16.60	10.82	11.48	14.15	8.20	13.25	11.82	9.74	5.38	—
MIN	1.50	5.05	6.02	1.98	3.00	7.35	.00	.24	.25	.65	.30	—

RED RIVER BASIN

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

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

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

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

REMARKS.--Water-quality samples are non-integrated. All dissolved constituents are results from water that has be 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 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 1993										
22...	0815	300	7.28	18.0	40	100	7.7	30	2.6	--
NOV										
18...	1030	306	7.20	14.5	60	75	9.3	33	1.3	8000
DEC										
22...	1130	303	7.36	8.0	50	60	10.2	17	1.1	K2200
JAN 1994										
31...	1115	204	7.72	9.5	60	40	11.4	33	2.3	15000
FEB										
25...	0915	466	7.62	12.0	--	--	9.8	41	2.1	2400
MAR										
23...	1120	550	7.63	20.0	--	--	8.6	18	0.6	K710
APR										
20...	1130	447	7.18	21.0	20	32	9.2	20	1.7	170
MAY										
20...	1050	343	7.72	22.5	--	--	10.9	43	--	K600
JUN										
22...	1100	607	7.95	29.0	5	16	7.7	17	1.3	K100
JUL										
19...	1220	662	7.57	29.0	--	--	7.6	33	3.1	K2800
AUG										
29...	1350	842	7.96	29.0	15	16	8.1	23	--	<20
SEP										
28...	1100	974	8.10	23.0	30	4.5	9.5	38	5.4	K40

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 1993 TO SEPTEMBER 1994

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)
OCT 1993										
22...	1800	--	93	26	6.7	21	2.5	65	35	28
NOV										
18...	1100	4600	93	26	6.7	24	3.2	62	40	32
DEC										
22...	--	--	87	26	5.4	22	2.5	55	40	31
JAN 1994										
31...	--	410	58	17	3.7	13	2.2	46	21	16
FEB										
25...	--	1200	140	36	11	37	3.0	82	64	54
MAR										
23...	--	K10	150	41	11	44	2.7	84	--	70
APR										
20...	K25	93	140	39	9.8	36	3.0	105	51	43
MAY										
20...	K120	K27	100	29	7.3	25	2.4	67	44	35
JUN										
22...	K15	K40	180	49	13	52	3.2	102	80	75
JUL										
19...	4200	K130	170	45	14	60	3.1	95	94	90
AUG										
29...	K10	160	210	56	18	83	3.8	129	110	110
SEP										
28...	K5	K50	270	71	22	90	4.5	160	130	140

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1993									
22...	187	140	0.06	0.28	0.66	0.94	0.14	0.08	11
NOV									
18...	198	140	0.01	0.20	0.60	0.80	0.12	0.12	8.4
DEC									
22...	181	120	0.01	0.17	0.55	0.72	0.12	0.07	7.1
JAN 1994									
31...	127	160	0.02	0.17	0.66	0.83	0.07	0.09	9.7
FEB									
25...	265	220	0.02	0.17	0.87	1.0	0.25	0.10	14
MAR									
23...	326	220	0.02	0.13	0.63	0.76	0.15	0.04	8.1
APR									
20...	262	86	0.01	<0.02	0.76	0.76	0.12	0.05	8.7
MAY									
20...	195	240	0.02	0.27	0.74	1.0	0.21	0.08	12
JUN									
22...	357	62	<0.01	<0.02	0.60	0.60	0.09	0.03	8.2
JUL									
19...	391	188	0.02	0.24	0.79	1.0	0.14	0.05	9.8
AUG									
29...	482	34	0.01	<0.02	0.71	0.71	0.08	0.04	7.3
SEP									
28...	576	44	<0.01	0.04	0.67	0.71	0.09	0.03	9.2

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 1993 TO SEPTEMBER 1994

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 1993 22...	4	<1	<1	8	10	6600	7	290
JAN 1994 31...	2	<1	<1	4	5	2800	3	88
APR 20...	1	<1	<1	2	4	1300	6	150
JUL 19...	3	<1	<1	6	6	4000	4	250

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1993 22...	0.1	10	<1	20	--	<1	18
JAN 1994 31...	0.1	4	<1	20	<0.01	4	<1
APR 20...	<0.1	4	<1	20	<0.01	<1	<1
JUL 19...	<0.1	5	<1	20	<0.01	<1	--

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
OCT 1993 22...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 22...	<0.1	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1994 23...	<0.1	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 20...	<0.1	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 22...	<0.1	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 29...	<0.1	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 1993 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
JAN 1994 23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
APR 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
JUN 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
AUG 29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 1993									
22...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
DEC									
22...	<0.01	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1994									
23...	<0.01	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01
APR									
20...	<0.01	<0.01	<0.1	<1	<0.01	0.09	<0.01	<0.01	<0.01
JUN									
22...	<0.01	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01
AUG									
29...	<0.01	<0.01	<0.1	<1	<0.01	<0.02	<0.01	<0.01	<0.01

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

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA

LOCATION.—Lat 32°38'45", long 93°52'40", in NW 1/4 NW 1/4 sec.14, T.19 N., R.15 W., Caddo Parish, Hydrologic Unit 11140304, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mi downstream from Cottonwood Bayou, 4.2 mi southwest of Dixie, 5.5 mi downstream from Caddo Lake, and 17.3 mi upstream from mouth.

DRAINAGE AREA.—3,137 mi².

PERIOD OF RECORD.—August 1942 to current year.

REVISED RECORDS.—WSP 1211: Drainage area.

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

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

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

REMARKS.—Estimated daily discharges. Indefinite stage-discharge relationship: June 26, July 7-11 and Aug. 20; no auxiliary gage height Mar. 5-15, Apr. 8-27, June 27 to July 6, Aug 2-17, Sept 1-6, 16-20. Records fair. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft of which 587,0200 acre-ft are available for storage) since August 1957. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.—52 years, 2,636 ft³/s, 1,910,000 acre-ft/yr. The figure published in the 1993 report was in error; the correct figure is 51 years, 2642 ft³/s.

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

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 11,500 ft³/s, Mar. 4; minimum daily discharge, 1.7 ft³/s, Sept. 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	3010	2010	1220	4520	8770	5120	733	3920	e360	2260	e145
2	20	3160	1970	1070	4650	9300	4850	526	3190	e340	e1450	e110
3	18	3340	2040	1180	4450	10100	4750	895	2870	e290	e1150	e105
4	23	3280	2510	1030	4320	11500	4000	1080	3020	e230	e1000	e100
5	21	3280	1960	841	4180	e11000	3620	884	3480	e200	e880	e95
6	18	3080	1860	911	3860	e10200	3590	784	3370	e170	e750	e130
7	17	2640	1830	926	3480	e9300	2930	839	3230	e125	e700	118
8	17	2430	1790	732	3220	e8800	e2500	1060	3020	e115	e800	79
9	66	2350	1780	628	3040	e8700	e2000	951	2650	e108	e790	63
10	185	2180	1770	561	2960	e8650	e1800	995	2170	e74	e720	53
11	219	1880	1740	687	3820	e8500	e1500	1040	2030	e53	e600	46
12	161	1550	1690	789	3980	e8400	e2500	960	1700	283	e500	37
13	156	1380	2070	957	3860	e8150	e2600	929	1490	1020	e430	31
14	235	1400	2320	999	3380	e8000	e2580	1010	1190	1610	e360	20
15	299	1490	1970	859	3070	e7890	e2500	1030	447	2790	e320	12
16	304	2580	1810	912	2870	7780	e2400	1530	552	3640	e300	9.3
17	310	6490	1730	1320	2670	7480	e2300	3100	859	3640	e260	16
18	290	6410	1750	1350	2480	7230	e2250	3790	732	3520	221	12
19	407	5660	1620	1380	2340	6910	e2220	4680	610	3360	199	5.8
20	971	4640	1690	1480	2480	6550	e2200	4810	621	3510	e180	3.5
21	1690	3920	1670	1510	3220	6240	e2100	4700	574	3570	273	1.7
22	1590	3500	1780	1560	4720	5780	e1890	4270	619	3730	248	10
23	1470	3240	1770	1550	7210	5560	e1750	3800	652	3710	196	32
24	1400	3130	1940	1510	7660	5370	e1550	3400	668	3730	190	22
25	1420	3140	1990	1510	7900	4770	e1400	2980	631	3870	189	8.2
26	1600	3010	1780	1540	8030	4250	e1300	2640	e600	4060	199	6.9
27	1850	2740	1650	2200	8360	4290	e1100	2190	e560	4310	186	7.4
28	2010	2530	1650	3170	8690	5150	630	1850	e500	4270	175	7.8
29	2270	2310	1580	3360	—	5300	916	1760	e420	4080	161	7.6
30	2930	2110	1360	3740	—	5270	912	3470	e350	3690	154	8.2
31	3030	—	1280	4260	—	5050	—	4660	—	3010	149	—
TOTAL	25020	91860	56360	45742	125420	230240	71758	67346	46725	67468	15990	1302.4
MEAN	807	3062	1818	1476	4479	7427	2392	2172	1557	2176	516	43.4
MAX	3030	6490	2510	4260	8690	11500	5120	4810	3920	4310	2260	145
MIN	17	1380	1280	561	2340	4250	630	526	350	53	149	1.7
AC-FT	49630	182200	111800	90730	248800	456700	142300	133600	92680	133800	31720	2580

CAL YR 1993 TOTAL 1145458 MEAN 3138 MAX 10800 MIN 11 AC-FT 2272000
WTR YR 1994 TOTAL 844631.4 MEAN 2317 MAX 11500 MIN 1.7 AC-FT 1675000

e Estimated

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.69	13.32	10.42	8.61	16.08	23.42	16.23	7.22	14.74	6.13	11.47	4.81
2	4.67	13.29	10.34	8.15	16.23	26.40	15.75	6.52	14.91	6.06	10.42	4.69
3	4.67	13.33	10.47	8.40	15.89	26.99	15.32	7.86	15.87	5.87	9.42	4.66
4	4.69	13.10	12.05	8.01	15.46	26.97	14.15	9.37	16.08	5.68	8.78	4.66
5	4.68	12.88	14.33	7.47	15.01	26.42	13.62	12.24	15.62	5.52	8.13	4.69
6	4.67	12.51	16.58	7.66	14.42	25.62	13.72	13.64	15.02	5.42	7.37	4.75
7	4.66	11.88	17.61	7.71	13.79	24.78	12.36	14.34	14.41	5.27	6.95	4.72
8	4.66	11.48	17.52	7.13	13.30	23.79	11.87	14.42	13.40	5.13	7.44	4.64
9	4.86	11.16	17.07	6.78	12.85	23.60	11.28	13.99	12.26	4.99	7.33	4.58
10	5.28	10.76	16.81	6.54	12.58	23.37	10.84	13.89	11.41	4.86	7.09	4.56
11	5.41	10.15	16.60	6.94	13.93	22.79	10.37	13.96	10.85	4.78	6.77	4.55
12	5.19	9.37	16.83	7.28	14.07	22.26	11.79	13.61	10.32	5.62	6.42	4.54
13	5.17	8.96	17.21	7.79	13.80	21.80	11.88	13.31	10.26	7.90	6.14	4.53
14	5.47	9.00	17.02	7.93	12.97	21.09	11.48	13.31	9.81	9.44	5.94	4.50
15	5.69	9.24	15.97	7.53	12.36	20.48	11.29	14.00	10.00	11.76	5.60	4.48
16	5.71	11.11	15.17	7.66	11.98	19.98	11.16	14.67	9.63	13.31	5.40	4.46
17	5.73	17.53	14.64	8.76	11.65	19.77	11.07	16.22	8.56	13.88	5.27	4.53
18	5.66	17.58	14.16	8.84	11.33	19.29	11.04	16.75	7.55	14.31	5.13	4.51
19	6.04	16.57	13.34	8.93	11.09	18.54	10.93	17.02	7.06	14.15	5.08	4.46
20	7.72	15.47	13.16	9.19	11.32	17.83	10.77	16.78	6.80	14.07	5.01	4.44
21	10.41	14.65	12.98	9.64	12.64	17.26	10.54	16.23	7.15	14.08	5.39	4.43
22	13.38	14.05	12.70	10.12	14.97	16.52	10.32	15.32	7.37	14.15	5.22	4.48
23	15.19	13.50	12.09	10.35	18.76	16.13	9.82	14.36	7.30	14.00	5.05	4.60
24	15.36	13.19	11.76	10.32	19.38	15.78	9.55	13.49	7.61	13.71	5.00	4.61
25	14.56	13.03	11.26	10.10	20.04	15.27	9.16	12.67	7.28	13.71	4.99	4.59
26	13.82	12.56	10.57	9.95	20.95	14.98	8.84	12.02	7.24	14.02	5.03	4.58
27	13.47	11.89	10.10	11.69	21.44	15.14	8.35	11.09	6.98	14.32	4.98	4.58
28	13.25	11.44	9.95	13.82	21.65	16.25	8.11	10.53	6.65	14.28	4.93	4.58
29	13.18	11.03	9.72	14.58	—	16.38	7.79	10.24	6.30	14.00	4.88	4.57
30	13.61	10.64	9.18	15.25	—	16.69	7.82	13.11	6.08	13.46	4.84	4.57
31	13.52	—	8.96	15.83	—	16.50	—	15.54	—	12.56	4.82	—
MAX	15.36	17.58	17.61	15.83	21.65	26.99	16.23	17.02	16.08	14.32	11.47	4.81
MIN	4.66	8.96	8.96	6.54	11.09	14.98	7.79	6.52	6.08	4.78	4.82	4.43

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

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

DRAINAGE AREA.—605 mi².

PERIOD OF RECORD.—October 1957 to current year.

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

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

REMARKS.—Estimated daily discharges. Indefinite stage-discharge relationship, Sep 2-5, 8-10. Records good above 200 ft³/s and fair below. Several measurements of water temperature were made during the year.

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

Date Feb. 26	Time 1730	Discharge (ft ³ /s) *3,060	Gage height (ft) *13.82	Date	Time	Discharge (ft ³ /s)	Gage height (ft)					
No other peak greater than base discharge.												
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994 MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	6.3	172	159	1640	2430	1370	49	118	24	60	31
2	1.8	5.8	159	173	1660	2450	1700	64	133	30	70	e25
3	7.3	6.0	175	181	1550	2510	1680	235	137	32	62	e19
4	6.2	6.7	278	212	1390	2670	1410	219	134	25	50	e15
5	3.0	6.5	414	262	1190	2910	1110	206	155	23	37	e11
6	2.2	6.3	565	317	910	2840	765	278	124	25	29	7.2
7	1.9	7.3	735	342	612	2610	473	320	98	23	23	4.8
8	2.2	6.5	900	317	453	2320	326	470	74	20	34	e4.0
9	5.6	6.4	993	275	394	2150	274	415	55	16	82	e3.3
10	4.7	6.7	999	241	451	2160	256	385	50	13	101	e2.7
11	3.1	7.0	989	234	654	2110	243	301	50	12	96	2.7
12	2.6	7.4	965	325	930	2030	350	197	50	30	99	2.1
13	18	8.0	893	422	1160	1940	357	143	54	152	68	1.7
14	15	40	706	515	1380	1770	397	230	61	298	36	1.3
15	5.6	71	494	586	1590	1490	453	419	70	447	23	1.1
16	4.3	134	410	604	1620	1220	471	665	67	417	15	1.4
17	3.7	484	412	574	1440	996	455	1400	82	250	10	2.7
18	4.9	540	418	545	1190	758	384	1840	90	169	8.3	1.8
19	6.4	628	394	531	945	549	293	1730	71	208	6.9	1.4
20	30	710	355	551	711	425	226	1900	52	177	12	1.1
21	46	777	323	584	612	343	184	1810	52	134	22	.97
22	41	765	288	584	798	295	158	1410	53	147	15	.84
23	52	628	264	550	1240	266	133	977	56	174	10	.75
24	55	443	249	494	1760	246	112	515	61	155	10	.70
25	35	270	232	420	2420	226	93	221	74	122	25	.59
26	19	183	210	350	2990	204	77	129	54	95	135	.51
27	12	149	190	424	2960	248	64	99	38	74	153	.45
28	11	152	174	623	2560	396	52	82	29	51	136	.39
29	8.7	166	160	811	---	537	43	72	22	42	89	.33
30	7.7	178	149	1080	---	774	39	95	17	38	48	.29
31	7.2	---	145	1380	---	1050	---	109	---	40	38	---
TOTAL	424.6	6404.9	13810	14666	37210	42923	13948	16985	2181	3463	1603.2	146.12
MEAN	13.7	213	445	473	1329	1385	465	548	72.7	112	51.7	4.87
MAX	55	777	999	1380	2990	2910	1700	1900	155	447	153	31
MIN	1.5	5.8	145	159	394	204	39	49	17	12	6.9	.29
AC-FT	842	12700	27390	29090	73810	85140	27670	33690	4330	6870	3180	290
CFSM	.02	.35	.74	.78	2.20	2.29	.77	.91	.12	.18	.09	.01
IN.	.03	.39	.85	.90	2.29	2.64	.86	1.04	.13	.21	.10	.01

e Estimated

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1994, BY WATER YEAR (WY)

MEAN	107	278	763	910	1173	1157	1215	827	385	207	57.7	109
MAX	1569	1351	3223	3061	3187	3586	4646	3707	3262	2937	420	2533
(WY)	1985	1975	1974	1991	1975	1990	1991	1991	1974	1989	1979	1974
MIN	1.39	2.93	28.8	35.5	107	146	149	22.3	3.10	1.58	1.73	1.48
(WY)	1984	1968	1990	1981	1981	1967	1987	1988	1988	1964	1969	1987

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR			FOR 1994 WATER YEAR			WATER YEARS 1958 - 1994		
ANNUAL TOTAL	152179.2			153764.82					
ANNUAL MEAN	417			421					
HIGHEST ANNUAL MEAN							596		
LOWEST ANNUAL MEAN							1551		
HIGHEST DAILY MEAN	2770			2990			129		
LOWEST DAILY MEAN	1.2	Jan	22	.29	Feb	26	35000	Apr	28
ANNUAL SEVEN-DAY MINIMUM	1.2	Jul	27	.47	Sep	30	.00	Oct 10-14	1957
INSTANTANEOUS PEAK FLOW		Aug	26	.29	Sep	24	.07	Oct	8
INSTANTANEOUS PEAK STAGE				3060	Feb	26	36400	Apr	28
INSTANTANEOUS LOW FLOW				13.82	Feb	26	22.79	Apr	28
INSTANTANEOUS LOW STAGE				.26	Sep	30	.00	Oct 10-14	1957
ANNUAL RUNOFF (AC-FT)	301800			305000			431700		
ANNUAL RUNOFF (CFSM)	.69			.70			.98		
ANNUAL RUNOFF (INCHES)	9.36			9.45			13.38		
10 PERCENT EXCEEDS	1340			1380			1620		
50 PERCENT EXCEEDS	180			158			130		
90 PERCENT EXCEEDS	1.9			5.3			3.0		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.25	4.49	7.21	7.05	12.62	13.38	12.28	5.29	6.27	4.63	5.37	5.01
2	4.31	4.45	7.04	7.21	12.65	13.40	12.69	5.54	6.48	4.78	5.55	4.93
3	4.72	4.45	7.23	7.30	12.52	13.45	12.68	7.57	6.54	4.82	5.41	4.94
4	4.69	4.48	8.20	7.61	12.32	13.56	12.35	7.50	6.49	4.65	5.20	4.78
5	4.48	4.46	9.23	8.08	11.95	13.72	11.76	7.38	6.76	4.60	4.94	4.58
6	4.39	4.44	10.11	8.54	11.25	13.68	10.82	8.04	6.35	4.64	4.75	4.41
7	4.36	4.48	10.74	8.74	10.30	13.51	9.60	8.37	5.95	4.60	4.60	4.27
8	4.39	4.43	11.23	8.54	9.49	13.29	8.61	9.41	5.60	4.53	4.86	4.25
9	4.67	4.41	11.48	8.19	9.11	13.16	8.19	9.07	5.29	4.42	5.70	4.27
10	4.62	4.42	11.50	7.89	9.47	13.16	8.03	8.86	5.20	4.33	6.00	4.21
11	4.47	4.43	11.47	7.82	10.46	13.12	7.90	8.22	5.21	4.30	5.92	4.16
12	4.40	4.43	11.41	8.60	11.31	13.04	8.79	7.28	5.20	4.72	5.98	4.10
13	4.97	4.45	11.21	9.29	11.88	12.95	8.85	6.67	5.28	6.69	5.52	4.05
14	5.02	5.15	10.64	9.86	12.30	12.77	9.13	7.59	5.39	8.17	4.96	4.00
15	4.63	5.83	9.73	10.23	12.57	12.44	9.50	9.04	5.54	9.26	4.64	3.95
16	4.53	6.47	9.22	10.30	12.61	12.02	9.61	10.30	5.50	9.07	4.44	4.03
17	4.46	9.68	9.23	10.18	12.39	11.48	9.51	12.02	5.73	7.76	4.30	4.28
18	4.55	10.00	9.27	10.03	11.96	10.81	9.04	12.64	5.83	6.94	4.22	4.17
19	4.64	10.38	9.12	9.95	11.35	10.03	8.34	12.53	5.55	7.37	4.16	4.11
20	5.28	10.66	8.84	10.06	10.66	9.32	7.75	12.71	5.24	7.03	4.40	4.04
21	5.71	10.88	8.59	10.22	10.33	8.74	7.34	12.61	5.22	6.50	4.66	4.00
22	5.59	10.84	8.31	10.22	10.91	8.36	7.04	12.13	5.26	6.67	4.49	3.95
23	5.80	10.37	8.09	10.05	12.04	8.11	6.71	11.23	5.30	7.01	4.33	3.93
24	5.83	9.41	7.97	9.74	12.75	7.94	6.38	9.58	5.39	6.77	4.33	3.92
25	5.43	8.13	7.81	9.28	13.37	7.75	6.10	7.47	5.60	6.32	4.73	3.88
26	5.03	7.32	7.60	8.80	13.77	7.54	5.86	6.42	5.27	5.91	6.55	3.87
27	4.81	6.93	7.40	9.29	13.76	7.94	5.65	5.97	4.95	5.61	6.80	3.85
28	4.74	6.96	7.22	10.36	13.48	9.12	5.43	5.72	4.76	5.22	6.58	3.85
29	4.65	7.13	7.06	10.97	—	9.97	5.26	5.58	4.57	5.05	5.95	3.84
30	4.59	7.27	6.92	11.68	—	10.86	5.16	5.90	4.45	4.95	5.34	3.83
31	4.55	—	6.88	12.29	—	11.62	—	6.13	—	4.99	5.15	—
MAX	5.83	10.88	11.50	12.29	13.77	13.72	12.69	12.71	6.76	9.26	6.80	5.01
MIN	4.25	4.41	6.88	7.05	9.11	7.54	5.16	5.29	4.45	4.30	4.16	3.83

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; no flow at times in 1954, 1956, 1964, 1969, 1972, 1979.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 4,720 ft³/s, Mar. 5, 1994, gage height, 14.12 ft; minimum gage height 6.84 ft, Oct. 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.90	7.21	7.50	7.49	12.88	12.26	8.78	7.36	---	7.27	7.27	7.24
2	6.89	7.21	7.49	7.48	12.65	12.99	8.98	7.32	---	7.26	7.25	7.23
3	6.92	7.22	7.51	7.46	12.23	13.57	9.17	7.51	---	7.24	7.24	7.23
4	6.92	7.27	7.59	7.46	11.75	13.94	9.32	7.58	---	7.23	7.26	7.22
5	6.92	7.23	7.57	7.52	11.31	14.09	9.56	7.69	---	7.21	7.24	7.22
6	6.91	7.21	7.54	7.57	10.97	14.11	9.82	7.95	---	7.20	7.23	7.21
7	6.91	7.22	7.58	7.52	10.69	13.98	9.89	8.02	---	7.20	7.23	7.21
8	6.91	7.21	7.69	7.56	10.42	13.76	9.79	8.09	7.45	7.17	7.27	7.19
9	7.00	7.21	7.87	7.60	10.08	13.64	9.45	8.05	7.40	7.15	7.28	7.18
10	7.01	7.22	8.03	7.64	10.45	13.57	8.85	8.24	7.44	7.13	7.27	7.17
11	7.02	7.22	8.18	7.71	11.59	13.43	8.32	8.38	7.56	7.13	7.25	7.18
12	7.03	7.24	8.33	7.84	11.99	13.28	8.39	8.25	7.52	7.27	7.24	7.17
13	7.05	7.25	8.55	7.89	12.20	13.12	8.42	8.07	7.49	7.33	7.23	7.16
14	7.08	7.33	8.68	7.91	12.30	12.93	8.52	8.24	7.45	7.32	7.22	7.15
15	7.09	7.39	8.67	7.92	12.28	12.70	8.76	8.48	7.40	7.42	7.19	7.13
16	7.11	7.47	8.62	8.01	12.22	12.44	8.88	9.17	7.38	7.43	7.18	7.11
17	7.12	7.60	8.51	8.23	12.11	12.12	8.75	10.15	7.34	7.47	7.18	7.12
18	7.12	7.64	8.28	8.39	11.94	11.75	8.68	10.92	7.33	7.54	7.18	7.10
19	7.14	7.71	8.05	8.50	11.71	11.29	8.59	11.35	7.33	7.55	7.18	7.08
20	7.23	7.79	7.94	8.50	11.49	10.74	8.39	11.66	7.32	7.48	7.21	7.07
21	7.24	7.89	7.89	8.42	11.46	10.07	8.16	11.83	7.37	7.43	7.25	7.06
22	7.24	7.97	7.86	8.37	11.47	9.36	7.95	11.84	7.37	7.43	7.24	7.04
23	7.24	8.04	7.78	8.33	11.73	8.76	7.77	11.65	7.37	7.43	7.22	7.05
24	7.24	8.11	7.73	8.30	11.79	8.36	7.69	11.30	7.34	7.46	7.21	7.02
25	7.25	8.14	7.68	8.29	11.79	8.09	7.65	10.82	7.32	7.48	7.22	7.00
26	7.25	8.12	7.66	8.28	11.78	7.96	7.60	10.07	7.34	7.46	7.24	6.99
27	7.24	7.99	7.63	8.94	11.81	7.92	7.54	9.38	7.31	7.38	7.23	6.98
28	7.26	7.79	7.58	10.69	11.87	8.00	7.50	8.37	7.28	7.34	7.22	6.97
29	7.22	7.63	7.54	11.84	---	8.11	7.44	8.02	7.26	7.31	7.22	6.95
30	7.19	7.54	7.50	12.50	---	8.37	7.42	8.05	7.25	7.30	7.25	6.94
31	7.21	---	7.49	12.84	---	8.59	---	---	---	7.29	7.24	---
MAX	7.26	8.14	8.68	12.84	12.88	14.11	9.89	---	---	7.55	7.28	7.24
MIN	6.89	7.21	7.49	7.46	10.08	7.92	7.42	---	---	7.13	7.18	6.94

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. 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. Gates were closed all year.

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

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 12.54 ft, Feb. 11; minimum 10.62 ft, Oct 1, 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.63	10.97	11.21	11.18	12.05	12.06	11.41	11.17	11.40	11.05	11.07	11.01
2	10.66	10.97	11.19	11.19	12.02	12.18	11.41	11.15	11.32	11.04	11.05	11.04
3	10.72	11.01	11.20	11.19	11.99	12.22	11.47	11.22	11.27	11.03	11.04	11.03
4	10.72	11.00	11.27	11.17	11.95	12.23	11.48	11.23	11.23	11.01	11.03	11.02
5	10.71	11.04	11.25	11.13	11.91	12.24	11.52	11.23	11.20	11.00	11.03	11.00
6	10.71	11.03	11.24	11.13	11.86	12.23	11.58	11.23	11.17	10.98	11.03	11.01
7	10.70	11.00	11.22	11.21	11.81	12.22	11.59	11.30	11.15	10.96	11.02	11.02
8	10.68	10.99	11.22	11.18	11.74	12.22	11.58	11.46	11.12	10.95	11.08	11.02
9	10.80	11.01	11.23	11.18	11.80	12.32	11.58	11.45	11.14	10.94	11.08	11.00
10	10.83	11.00	11.27	11.18	12.17	12.33	11.56	11.43	11.22	10.94	11.08	10.99
11	10.81	11.00	11.30	11.27	12.51	12.28	11.52	11.42	11.32	10.93	11.07	10.99
12	10.81	10.99	11.30	11.31	12.50	12.21	11.57	11.41	11.26	11.06	11.04	10.98
13	10.84	10.99	11.36	11.31	12.40	12.16	11.54	11.39	11.22	11.09	11.03	10.96
14	10.86	11.08	11.44	11.31	12.26	12.10	11.50	11.46	11.19	11.11	11.03	10.95
15	10.87	11.17	11.44	11.33	12.17	12.07	11.52	11.55	11.16	11.21	11.04	10.95
16	10.88	11.20	11.45	11.30	12.09	12.04	11.59	11.65	11.14	11.20	11.00	10.95
17	10.88	11.28	11.44	11.40	12.02	11.96	11.58	11.76	11.13	11.17	10.98	10.94
18	10.89	11.27	11.44	11.43	11.96	11.95	11.55	11.85	11.12	11.17	10.96	10.93
19	10.91	11.27	11.40	11.41	11.93	11.90	11.52	11.87	11.13	11.17	10.96	10.91
20	10.99	11.28	11.39	11.43	11.94	11.84	11.48	11.86	11.11	11.16	10.99	10.89
21	11.09	11.27	11.34	11.43	11.99	11.81	11.44	11.85	11.11	11.14	11.04	10.87
22	11.07	11.28	11.32	11.42	12.05	11.72	11.40	11.85	11.13	11.14	11.04	10.86
23	11.05	11.28	11.32	11.41	12.16	11.63	11.36	11.85	11.11	11.15	11.03	10.82
24	11.03	11.30	11.29	11.40	12.11	11.57	11.30	11.82	11.11	11.14	11.02	10.81
25	11.03	11.32	11.27	11.39	12.07	11.50	11.27	11.78	11.09	11.13	11.02	10.79
26	11.03	11.33	11.22	11.42	12.04	11.41	11.24	11.75	11.04	11.12	11.02	10.77
27	11.03	11.31	11.22	11.85	11.96	11.44	11.22	11.72	11.04	11.14	11.02	10.76
28	11.00	11.30	11.24	12.19	11.92	11.42	11.21	11.61	11.03	11.11	11.01	10.75
29	11.05	11.27	11.24	12.15	—	11.38	11.19	11.54	11.02	11.09	11.01	10.74
30	11.07	11.25	11.21	12.11	—	11.40	11.19	11.57	11.02	11.08	11.00	10.74
31	10.99	—	11.18	12.09	—	11.40	—	11.50	—	11.08	11.00	—
MAX	11.09	11.33	11.45	12.19	12.51	12.33	11.59	11.87	11.40	11.21	11.08	11.04
MIN	10.63	10.97	11.18	11.13	11.74	11.38	11.19	11.15	11.02	10.93	10.96	10.74

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 in 1905 may have reached a stage of 27 ft from information by local residents.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 3,280 ft/s, Mar. 4, gage height, 16.31 ft; minimum gage height, 1.99 ft, Oct. 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.05	2.82	4.83	5.75	11.56	14.94	9.47	4.19	7.98	3.86	4.08	5.89
2	2.11	2.38	4.72	5.70	11.87	15.55	9.89	4.21	7.74	3.82	4.07	5.88
3	2.44	2.26	4.75	6.38	12.63	16.11	10.09	6.62	7.01	3.81	4.08	5.85
4	2.19	2.23	5.22	6.86	13.37	16.29	10.21	6.79	6.40	3.79	4.10	5.81
5	2.10	2.35	5.89	7.01	13.63	16.10	10.36	6.70	6.18	3.78	4.10	5.75
6	2.07	2.93	6.52	6.87	13.56	15.69	10.35	6.14	6.20	3.79	4.10	5.65
7	2.08	3.36	7.07	6.66	13.24	15.20	10.11	5.40	5.99	3.77	3.82	5.55
8	2.05	3.04	7.12	6.82	12.75	14.81	9.73	6.27	5.60	3.74	3.43	5.50
9	2.61	2.68	6.81	7.07	12.18	14.73	9.04	7.77	5.28	3.70	3.68	5.42
10	2.44	2.47	6.91	7.05	11.85	14.91	8.23	8.05	5.03	3.68	4.35	5.37
11	2.33	2.39	7.63	7.21	11.93	15.03	7.50	7.64	5.09	3.68	4.90	5.31
12	2.20	2.38	8.65	7.51	12.29	14.89	8.18	7.11	5.21	3.76	4.99	5.22
13	2.87	2.35	9.56	8.06	12.50	14.52	8.05	6.66	4.95	3.97	4.82	5.18
14	3.31	3.35	10.15	8.30	12.51	13.99	7.98	7.63	4.59	4.44	4.53	5.57
15	3.33	4.68	10.56	8.16	12.30	13.35	7.61	10.19	4.39	5.40	4.28	5.84
16	2.75	6.37	10.86	8.30	11.87	12.63	7.10	11.60	4.30	5.91	4.17	5.84
17	2.42	8.18	10.79	8.81	11.35	11.95	6.83	13.51	4.34	5.81	3.73	5.86
18	2.27	9.63	10.35	8.90	10.87	11.33	6.71	14.60	4.28	5.33	3.26	5.83
19	2.29	11.17	9.71	9.11	10.49	10.73	6.66	15.44	4.26	4.90	3.16	5.73
20	2.98	11.41	9.17	9.31	10.33	10.17	6.70	15.90	4.23	4.59	3.28	5.65
21	4.79	10.67	8.71	9.31	10.59	9.60	6.78	15.93	4.47	4.41	4.61	5.57
22	5.70	9.08	8.44	9.20	11.46	9.13	6.74	15.66	4.72	4.30	5.27	5.50
23	5.30	7.07	8.19	9.01	12.49	8.76	6.42	15.20	4.50	4.31	5.32	5.43
24	4.84	5.68	7.89	8.81	13.39	7.69	6.15	14.62	4.36	4.30	5.28	5.36
25	4.25	5.01	7.52	8.65	14.16	6.42	5.93	13.94	4.32	4.22	5.24	5.28
26	3.46	4.87	7.16	8.55	14.34	5.92	5.66	13.09	4.27	4.20	5.21	5.21
27	3.20	4.96	6.82	9.99	14.34	6.14	4.89	12.04	4.14	4.24	5.18	5.10
28	3.31	5.06	6.42	10.40	14.43	7.02	4.36	10.85	4.02	4.28	5.23	4.65
29	3.32	4.93	6.14	10.47	—	7.91	4.23	9.52	3.94	4.23	5.61	4.17
30	3.64	4.86	6.07	10.96	—	8.33	4.20	8.55	3.90	4.15	5.79	4.02
31	3.59	—	5.95	11.36	—	8.83	—	7.99	—	4.10	5.82	—
MAX	5.70	11.41	10.86	11.36	14.43	16.29	10.36	15.93	7.98	5.91	5.82	5.89
MIN	2.05	2.23	4.72	5.70	10.33	5.92	4.20	4.19	3.90	3.68	3.16	4.02

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 rest 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. Gates were closed all year.

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

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 10.39 ft, Feb. 23; minimum 8.63 ft, Oct. 2, 8, 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.67	8.92	9.66	9.62	9.99	10.20	9.84	9.60	9.75	9.51	9.29	9.35
2	8.67	8.91	9.65	9.63	9.92	10.31	9.80	9.59	9.73	9.49	9.27	9.33
3	8.70	8.95	9.66	9.63	9.87	10.33	9.78	9.70	9.71	9.45	9.25	9.31
4	8.69	8.95	9.69	9.62	9.84	10.36	9.75	9.74	9.68	9.40	9.24	9.30
5	8.68	8.97	9.66	9.59	9.82	10.34	9.74	9.81	9.66	9.38	9.25	9.28
6	8.67	8.96	9.67	9.61	9.79	10.26	9.74	9.84	9.63	9.36	9.23	9.28
7	8.66	8.94	9.66	9.63	9.77	10.18	9.70	9.84	9.61	9.32	9.23	9.27
8	8.64	8.93	9.66	9.61	9.75	10.10	9.68	9.85	9.58	9.30	9.40	9.25
9	8.74	8.94	9.65	9.60	9.78	10.08	9.67	9.82	9.58	9.29	9.40	9.23
10	8.74	8.93	9.66	9.59	9.87	10.05	9.68	9.79	9.59	9.26	9.40	9.22
11	8.72	8.93	9.65	9.64	10.03	10.05	9.69	9.76	9.58	9.26	9.40	9.22
12	8.72	8.92	9.62	9.66	10.14	10.05	9.81	9.73	9.56	9.38	9.38	9.21
13	8.74	8.93	9.64	9.68	10.18	10.04	9.86	9.72	9.55	9.35	9.38	9.21
14	8.74	9.08	9.64	9.69	10.15	10.00	9.92	9.75	9.54	9.36	9.37	9.20
15	8.74	9.20	9.62	9.69	10.11	9.95	9.96	9.94	9.54	9.41	9.35	9.20
16	8.75	9.33	9.63	9.67	10.04	9.90	9.92	10.05	9.57	9.43	9.34	9.20
17	8.77	9.52	9.64	9.73	9.97	9.84	9.87	10.18	9.56	9.43	9.34	9.20
18	8.78	9.66	9.65	9.71	9.91	9.82	9.83	10.22	9.57	9.42	9.34	9.18
19	8.79	9.81	9.64	9.71	9.87	9.79	9.79	10.18	9.59	9.41	9.33	9.15
20	8.87	9.85	9.65	9.72	9.90	9.77	9.76	10.05	9.59	9.39	9.35	9.13
21	8.95	9.84	9.65	9.72	10.01	9.78	9.74	9.93	9.69	9.38	9.49	9.11
22	8.95	9.80	9.64	9.70	10.21	9.76	9.72	9.86	9.71	9.41	9.48	9.10
23	8.96	9.75	9.64	9.70	10.36	9.75	9.69	9.80	9.68	9.42	9.47	9.06
24	8.97	9.73	9.64	9.68	10.33	9.75	9.66	9.75	9.66	9.40	9.46	9.05
25	8.97	9.72	9.63	9.68	10.33	9.73	9.64	9.70	9.62	9.38	9.45	9.02
26	8.98	9.71	9.61	9.68	10.27	9.71	9.64	9.68	9.58	9.36	9.43	9.00
27	8.97	9.68	9.61	10.11	10.18	9.77	9.62	9.66	9.56	9.37	9.42	8.99
28	8.95	9.67	9.62	10.22	10.09	9.80	9.62	9.65	9.54	9.34	9.40	8.97
29	8.97	9.67	9.62	10.18	—	9.82	9.62	9.66	9.53	9.31	9.39	8.96
30	8.98	9.67	9.61	10.14	—	9.88	9.63	9.72	9.51	9.29	9.36	8.95
31	8.94	—	9.60	10.08	—	9.88	—	9.75	—	9.29	9.36	—
MAX	8.98	9.85	9.69	10.22	10.36	10.36	9.96	10.22	9.75	9.51	9.49	9.35
MIN	8.64	8.91	9.60	9.59	9.75	9.71	9.62	9.59	9.51	9.26	9.23	8.95

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. Several measurements of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	102	606	609	e2250	2190	1890	572	1410	128	88	145
2	81	74	579	590	e2220	2350	1870	516	1400	105	88	148
3	61	74	553	566	e2200	2410	1820	548	1400	94	86	150
4	49	64	531	532	e2050	2440	1770	517	1380	86	84	156
5	41	62	495	502	e1750	2400	1730	470	1370	81	86	163
6	39	66	463	472	e1500	2370	1670	425	1350	76	87	170
7	37	66	442	442	1360	2370	1620	396	1320	72	86	176
8	33	56	405	411	1340	2370	1570	427	1290	69	118	178
9	41	35	364	388	1360	2420	1510	441	1240	66	125	179
10	51	36	321	370	1720	2440	1470	455	1210	62	119	178
11	53	49	299	376	2090	2420	1420	452	1160	60	111	179
12	51	46	290	392	2110	2400	1430	446	1100	75	98	177
13	50	43	302	397	2120	2390	1390	430	1040	81	88	177
14	48	79	312	412	2020	2370	1350	429	991	94	78	175
15	57	205	325	437	1920	2370	1360	511	943	200	72	170
16	79	279	345	449	1840	2360	1400	604	894	156	86	166
17	87	378	365	489	1790	2320	1340	702	842	152	104	169
18	82	397	395	499	1760	2300	1260	749	797	145	118	169
19	74	401	435	516	1750	2280	1180	810	765	139	128	168
20	78	411	480	539	1760	2260	1110	878	710	137	123	171
21	97	444	509	563	1870	2240	1050	937	674	137	114	176
22	104	478	550	587	2020	2240	1010	974	635	163	105	179
23	111	533	593	607	2170	2230	974	1020	590	186	105	186
24	114	575	634	624	2190	2200	930	1090	539	188	105	182
25	110	605	652	640	2180	2160	894	1140	484	180	96	177
26	112	629	662	652	2130	2110	850	1190	421	165	86	174
27	117	644	669	1010	2080	2090	805	1230	356	145	87	169
28	127	647	673	e1250	2050	2070	750	1250	291	124	102	165
29	134	641	677	e1700	---	2020	682	1290	226	108	117	161
30	142	626	661	e2140	---	1980	632	1400	167	97	125	156
31	125	---	628	e2240	---	1940	---	1410	---	91	131	---
TOTAL	2495	8745	15215	21401	53600	70510	38737	23709	26995	3662	3146	5089
MEAN	80.5	291	491	690	1914	2275	1291	765	900	118	101	170
MAX	142	647	677	2240	2250	2440	1890	1410	1410	200	131	186
MIN	33	35	290	370	1340	1940	632	396	167	60	72	145
AC-FT	4950	17350	30180	42450	106300	139900	76830	47030	53540	7260	6240	10090

e Estimated

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1994, BY WATER YEAR (WY)

MEAN	132	447	978	1389	1869	1984	1726	1227	1014	736	246	109
MAX	724	2001	2119	2991	3127	3193	4362	4244	2567	3288	2130	419
(WY)	1985	1985	1992	1988	1983	1992	1991	1991	1989	1989	1989	1989
MIN	6.97	22.0	47.0	68.8	185	257	157	71.7	14.5	21.8	14.1	4.23
(WY)	1989	1981	1981	1981	1981	1981	1982	1982	1988	1988	1987	1987

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1980 - 1994

ANNUAL TOTAL	293759.0						273304					
ANNUAL MEAN	805						749			985		
HIGHEST ANNUAL MEAN										1814		1991
LOWEST ANNUAL MEAN										206		1982
HIGHEST DAILY MEAN	2270	Apr	10				2440	Mar	4	6630	Apr	15 1991
LOWEST DAILY MEAN	9.2	Sep	24				33	Oct	8	2.2	Oct	5 1982
ANNUAL SEVEN-DAY MINIMUM	9.7	Sep	19				42	Oct	4	2.8	Sep	30 1982
INSTANTANEOUS PEAK FLOW							3280	Jan	30	6800	Apr	14 1991
INSTANTANEOUS PEAK STAGE							* 32.19	Jan	30	38.26	Apr	14 1991
INSTANTANEOUS LOW FLOW							30	Oct	9	Not determined		
INSTANTANEOUS LOW STAGE							16.19	Oct	9	Not determined		
ANNUAL RUNOFF (AC-FT)	582700						542100			713500		
10 PERCENT EXCEEDS	1830						2110			2600		
50 PERCENT EXCEEDS	509						470			478		
90 PERCENT EXCEEDS	51						79			23		

* By levels from high-water mark

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.50	17.40	21.50	21.52	—	28.77	27.73	21.28	25.74	17.61	17.13	17.79
2	17.10	16.99	21.32	21.40	—	29.33	27.63	20.90	25.71	17.34	17.12	17.83
3	16.77	16.99	21.15	21.24	—	29.52	27.46	21.12	25.68	17.19	17.10	17.85
4	16.56	16.83	21.01	21.01	—	29.63	27.28	20.91	25.62	17.10	17.07	17.90
5	16.41	16.80	20.76	20.81	—	29.50	27.10	20.59	25.55	17.02	17.10	17.97
6	16.36	16.86	20.54	20.60	—	29.40	26.89	20.26	25.46	16.96	17.11	18.04
7	16.33	16.86	20.39	20.39	25.52	29.38	26.66	20.05	25.33	16.90	17.09	18.10
8	16.25	16.68	20.12	20.16	25.43	29.38	26.44	20.28	25.17	16.85	17.49	18.13
9	16.41	16.29	19.80	19.99	25.50	29.55	26.20	20.38	24.96	16.81	17.57	18.13
10	16.58	16.31	19.47	19.85	27.04	29.62	25.99	20.48	24.79	16.75	17.50	18.13
11	16.62	16.56	19.30	19.90	28.44	29.55	25.79	20.46	24.55	16.72	17.41	18.13
12	16.60	16.51	19.24	20.01	28.52	29.49	25.82	20.42	24.25	16.94	17.25	18.11
13	16.58	16.44	19.33	20.05	28.53	29.44	25.65	20.30	23.97	17.03	17.12	18.12
14	16.54	16.97	19.40	20.16	28.19	29.39	25.48	20.29	23.71	17.18	16.98	18.09
15	16.70	18.54	19.50	20.35	27.83	29.40	25.52	20.87	23.45	18.32	16.90	18.04
16	17.07	19.14	19.66	20.44	27.52	29.35	25.71	21.48	23.19	17.90	17.10	18.00
17	17.19	19.91	19.81	20.72	27.34	29.23	25.43	22.09	22.90	17.86	17.33	18.03
18	17.11	20.05	20.03	20.79	27.25	29.15	25.04	22.37	22.65	17.79	17.50	18.03
19	16.98	20.09	20.34	20.90	27.20	29.09	24.67	22.72	22.46	17.72	17.60	18.02
20	17.05	20.16	20.66	21.06	27.23	29.02	24.29	23.10	22.14	17.70	17.55	18.05
21	17.32	20.40	20.86	21.22	27.63	28.96	24.02	23.42	21.92	17.70	17.45	18.11
22	17.43	20.65	21.13	21.37	28.17	28.95	23.83	23.62	21.67	17.97	17.34	18.14
23	17.51	21.02	21.42	21.51	28.72	28.91	23.62	23.86	21.37	18.20	17.34	18.20
24	17.55	21.30	21.68	21.61	28.77	28.81	23.38	24.21	21.01	18.22	17.34	18.16
25	17.50	21.49	21.79	21.71	28.75	28.67	23.19	24.45	20.62	18.14	17.23	18.11
26	17.52	21.65	21.85	21.79	28.57	28.49	22.95	24.69	20.15	17.99	17.09	18.08
27	17.59	21.74	21.89	23.78	28.39	28.43	22.69	24.92	19.63	17.79	17.11	18.04
28	17.71	21.76	21.91	—	28.29	28.38	22.38	25.00	19.12	17.57	17.30	17.99
29	17.80	21.72	21.94	—	—	28.20	21.97	25.16	18.57	17.37	17.48	17.95
30	17.89	21.62	21.84	—	—	28.05	21.66	25.69	18.01	17.24	17.57	17.90
31	17.69	—	21.64	—	—	27.89	—	25.75	—	17.16	17.64	—
MAX	17.89	21.76	21.94	—	—	29.63	27.73	25.75	25.74	18.32	17.64	18.20
MIN	16.25	16.29	19.24	—	—	27.89	21.66	20.05	18.01	16.72	16.90	17.79

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 been filtered through 0.45 micron filters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 27...	0850	210	7.73	17.0	60	120	8.6	37	2.6	1200
NOV 18...	0845	352	7.31	15.0	40	110	9.0	35	0.8	3100
DEC 22...	0945	202	7.28	10.0	40	75	10.4	23	1.6	K2800
JAN 31...	1400	219	7.48	9.5	40	70	11.8	30	2.8	12000
FEB 24...	1315	278	7.47	13.0	--	--	10.4	<10	2.0	2600
MAR 23...	0930	420	7.45	19.0	--	--	8.0	19	1.1	K2500
APR 20...	0910	400	7.23	21.0	30	23	8.9	24	1.8	320
MAY 20...	0855	360	7.35	22.5	--	--	9.8	37	--	K600
JUN 22...	0915	498	7.73	29.0	10	36	6.8	25	0.4	K340
JUL 19...	1045	700	7.54	29.0	320	8.0	6.2	31	2.3	K1500
AUG 29...	1600	894	8.22	30.0	10	15	9.3	24	--	990
SEP 28...	0900	901	7.96	23.0	50	2.5	8.6	37	4.6	860
DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 27...	K380	--	72	22	4.1	11	2.6	68	16	13
NOV 18...	800	4400	100	29	7.4	28	3.4	67	46	39
DEC 22...	--	--	68	21	3.7	12	2.3	51	20	14
JAN 31...	--	400	59	17	4.0	15	2.3	47	23	20
FEB 24...	--	540	85	23	6.6	22	2.8	57	35	33
MAR 23...	--	K110	110	32	8.5	34	2.5	66	63	53
APR 20...	K100	K10	120	34	8.7	32	2.9	90	46	40
MAY 20...	K160	K56	100	29	7.6	27	2.5	63	47	41
JUN 22...	K73	K69	150	41	11	41	3.2	99	61	57
JUL 19...	2600	220	180	48	14	65	3.1	96	100	98
AUG 29...	K10	140	240	65	20	90	4.1	154	120	120
SEP 28...	K22	120	250	66	20	83	4.4	164	120	120

< 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 1993 TO SEPTEMBER 1994

DATE	FLUORIDE, DIS- SOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	0.1	134	432	0.10	0.28	0.57	0.85	0.30	0.16	12
NOV 18...	0.1	222	340	0.02	0.31	0.64	0.95	0.14	0.14	8.2
DEC 22...	<0.1	108	160	0.03	0.19	0.53	0.72	0.13	0.08	8.3
JAN 31...	<0.1	138	110	0.02	0.17	0.62	0.79	0.07	0.08	9.6
FEB 24...	<0.1	164	220	0.02	0.15	0.80	0.95	0.22	0.10	10
MAR 23...	0.1	257	130	0.01	0.16	0.70	0.86	0.13	0.04	9.0
APR 20...	0.1	232	82	0.01	<0.02	0.65	0.65	0.10	0.04	10
MAY 20...	0.1	196	230	0.02	0.28	0.82	1.1	0.25	0.08	9.3
JUN 22...	0.2	297	86	0.01	0.11	0.66	0.77	0.11	0.05	8.6
JUL 19...	0.2	430	280	0.02	0.34	0.89	1.2	0.20	0.04	9.0
AUG 29...	0.2	531	100	0.01	<0.02	1.0	1.0	0.10	0.04	9.1
SEP 28...	0.2	530	46	0.01	0.03	0.93	0.96	0.13	0.05	9.2

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 27...	4	<1	<1	10	10	7000	7	350
JAN 31...	2	<1	<1	4	6	2800	6	100
APR 20...	1	<1	<1	2	4	1100	3	110
JUL 19...	3	1	<1	7	5	4800	5	360

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 27...	0.1	9	<1	20	<0.01	<1	64
JAN 31...	0.1	5	<1	20	<0.01	4	<1
APR 20...	0.1	4	<1	10	<0.01	<1	<1
JUL 19...	<0.1	8	<1	20	<0.01	<1	<1

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

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.—Estimated daily discharges. Indefinite stage-discharge relationship: Nov. 7-13, Nov. 26 to Dec. 1, Dec. 7-12, Dec. 16 to Jan10, Jan. 20-26, Mar. 19-26, Jul. 2-5, Sep. 13-30. Records fair above 50 ft³/s and poor below. Several measurements of water temperature were made during the year.

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 Aug 8	Time 2230	Discharge (ft ³ /s) *3,660	Gage height (ft) *10.89	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
				No other peaks above base			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.09	e1.0	e.90	21	288	14	13	2.0	e10	4.1	.59
2	.00	.16	2.4	e2.5	15	777	12	6.4	1.1	e15	5.5	11
3	.00	.28	3.3	e3.8	12	352	11	69	e.80	e7.2	6.4	e5.0
4	.00	.33	5.3	e3.5	9.5	102	9.7	49	e.70	e4.7	8.2	e2.0
5	.00	.48	8.7	e2.7	8.8	62	9.6	12	e.66	e2.6	11	e1.4
6	.00	.56	9.4	e1.7	8.1	44	26	6.7	2.2	e1.8	11	e.80
7	.00	e.52	e8.4	e1.4	7.2	37	27	3.9	4.8	2.2	11	e.50
8	.00	e.40	e5.2	e1.2	6.3	33	16	23	7.2	3.9	733	e.40
9	8.1	e.28	e3.5	e1.4	7.7	229	13	12	8.8	5.3	1380	e.34
10	7.5	e.20	e2.6	e5.0	633	547	11	19	38	5.7	87	e.30
11	.00	e.17	e2.1	20	2080	147	11	14	479	11	12	e.40
12	.00	e.15	e1.8	32	904	72	327	8.4	114	690	5.6	e.70
13	.00	e.30	18	26	295	50	188	5.5	11	1020	2.8	e.82
14	.00	135	29	21	83	39	33	85	6.9	65	1.9	e.60
15	.00	495	18	18	48	32	15	401	4.4	9.2	1.4	e.40
16	.00	47	e11	16	37	28	98	428	3.4	5.9	1.0	e.30
17	.00	260	e8.5	30	28	23	38	345	3.1	2.9	.86	e.25
18	.00	24	e6.0	32	22	20	14	201	2.6	1.6	.80	e.22
19	.00	1.8	e2.0	7.9	18	e18	8.0	30	2.3	1.9	.77	e.18
20	.07	.54	e1.1	e5.0	59	e15	5.4	8.7	e2.0	3.3	.77	e.15
21	6.1	.26	e.80	e4.0	719	e13	3.8	4.0	e5.0	1.4	.96	e.12
22	.81	.16	e.70	e3.4	658	e12	3.0	2.2	133	1.1	.96	e.11
23	.02	.39	e.60	e3.1	1250	e11	2.5	1.4	54	1.5	.78	e.11
24	.00	.60	e.70	e2.9	411	e10	2.1	.98	9.2	1.8	.67	e.10
25	.00	.70	e3.3	e2.8	95	e9.6	1.9	e.80	7.3	1.1	.80	e.11
26	.00	e.60	e2.7	e3.4	54	e9.2	1.7	e.68	5.9	1.1	2.0	.12
27	.00	e.50	e2.0	363	35	18	1.5	e.62	e4.0	1.2	1.9	e.08
28	.00	e.42	e1.4	1070	27	98	1.4	e.58	e3.3	1.3	1.2	e.06
29	.01	e.38	e1.1	370	---	48	1.2	1.3	e2.5	1.6	.95	e.05
30	.06	e.34	e.90	67	---	25	3.8	3.4	e4.0	2.1	.74	e.04
31	.05	---	e.80	34	---	18	---	4.0	---	2.9	.69	---
TOTAL	22.72	971.61	162.30	2155.60	7551.6	3186.8	909.6	1760.56	923.16	1886.3	2296.75	27.25
MEAN	.73	32.4	5.24	69.5	270	103	30.3	56.8	30.8	60.8	74.1	.91
MAX	8.1	495	29	1070	2080	777	327	428	479	1020	1380	11
MIN	.00	.09	.60	.90	6.3	9.2	1.2	.58	.66	1.1	.67	.04
AC-FT	45	1930	322	4280	14980	6320	1800	3490	1830	3740	4560	54
CFSM	.01	.49	.08	1.05	4.09	1.56	.46	.86	.47	.92	1.12	.01
IN.	.01	.55	.09	1.21	4.26	1.80	.51	.99	.52	1.06	1.29	.02

e Estimated.

RED RIVER BASIN

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

MEAN	25.8	54.5	97.0	151	195	124	102	122	60.2	18.0	19.7	1.14
MAX	370	437	534	649	452	325	563	517	436	196	454	14.1
(WY)	1950	1941	1941	1946	1990	1945	1991	1953	1986	1989	1955	1991
MIN	.000	.000	.000	3.26	5.73	4.57	5.19	1.84	.005	.000	.000	.000
(WY)	1940	1940	1957	1956	1943	1986	1943	1988	1988	1954	1943	1939

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1939 - 1994

ANNUAL TOTAL	31072.88		21854.25									
ANNUAL MEAN	85.1		59.9							81.1		
HIGHEST ANNUAL MEAN										168		1941
LOWEST ANNUAL MEAN										3.59		1943
HIGHEST DAILY MEAN	3510	Feb 16	2080	Feb 11	11200	Aug 31	1955					
LOWEST DAILY MEAN	.00	many days	.00	many days	.00	many days						
ANNUAL SEVEN-DAY MINIMUM	.00	many days	.00	many days	.00	many days						
INSTANTANEOUS PEAK FLOW			3660	Aug 8	23700	Aug 31	1955					
INSTANTANEOUS PEAK STAGE			10.89	Aug 8	13.62	Aug 31	1955					
INSTANTANEOUS LOW FLOW			.00	many days	No flow at times most years							
ANNUAL RUNOFF (AC-FT)	61630		43350		58770							
ANNUAL RUNOFF (CFSM)	1.29		.91		1.23							
ANNUAL RUNOFF (INCHES)	17.51		12.32		16.70							
10 PERCENT EXCEEDS	151		96		112							
50 PERCENT EXCEEDS	5.3		3.8		4.7							
90 PERCENT EXCEEDS	.00		.12		.00							

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.90	2.50	2.72	3.42	2.60	5.67	1.92	2.30	1.80	—	1.76	1.73
2	1.89	2.54	2.77	3.44	2.38	9.37	1.82	1.93	1.67	2.25	1.87	2.59
3	1.87	2.60	2.84	3.46	2.23	6.74	1.74	3.46	—	1.63	1.94	1.86
4	1.86	2.63	2.97	3.47	2.12	4.20	1.70	3.30	—	—	2.05	1.51
5	1.84	2.70	3.12	3.46	2.08	3.47	1.70	2.26	—	—	2.18	1.35
6	1.83	2.73	3.15	3.45	2.04	3.06	2.32	1.96	1.80	1.13	2.18	1.29
7	1.81	2.74	3.18	3.45	1.98	2.89	2.36	1.75	2.07	1.18	2.20	1.37
8	1.80	2.75	3.19	3.45	1.93	2.78	2.00	2.64	2.23	1.35	5.45	1.59
9	2.70	2.76	3.23	3.43	2.00	5.25	1.85	2.24	2.33	1.47	9.53	1.72
10	2.80	2.77	3.26	3.42	7.75	8.18	1.79	2.53	2.94	1.50	3.81	1.77
11	1.65	2.77	3.28	3.50	10.43	4.72	1.77	2.35	7.76	1.78	2.22	1.86
12	1.50	2.79	3.31	3.76	9.52	3.48	6.23	2.06	4.13	6.82	1.88	1.93
13	1.56	2.81	3.42	3.63	6.29	2.98	5.19	1.87	2.21	9.22	1.64	1.93
14	1.66	4.50	3.70	3.51	3.95	2.71	2.95	3.84	1.96	3.43	1.54	1.92
15	1.77	7.82	3.44	3.42	3.27	2.52	2.39	6.96	1.79	2.10	1.46	1.89
16	1.84	3.94	3.32	3.38	3.01	2.39	4.21	7.33	1.70	1.90	1.39	1.86
17	1.90	6.14	3.25	3.68	2.75	2.25	3.07	6.72	1.67	1.65	1.33	1.86
18	1.95	3.50	3.23	3.75	2.56	2.16	2.33	5.42	1.62	1.50	1.29	1.82
19	1.97	2.64	3.25	3.08	2.43	2.12	2.03	3.07	1.59	1.51	1.28	1.79
20	2.23	2.32	3.29	2.76	3.12	2.08	1.86	2.31	—	1.69	1.31	1.75
21	3.15	2.16	3.30	2.60	8.97	2.03	1.74	2.00	—	1.46	1.46	1.70
22	2.70	2.11	3.34	2.47	8.84	1.96	1.66	1.83	4.55	1.42	1.49	1.67
23	2.29	2.23	3.37	2.38	9.96	1.88	1.61	1.71	3.24	1.48	1.44	1.63
24	2.07	2.35	3.40	2.36	7.12	1.85	1.56	1.63	2.04	1.52	1.43	1.59
25	2.06	2.41	3.40	2.34	4.08	1.85	1.53	—	1.89	1.41	1.54	1.55
26	2.21	2.40	3.39	2.42	3.30	1.85	1.51	—	1.75	1.40	1.81	1.51
27	2.30	2.43	3.38	6.53	2.83	2.03	1.48	—	1.62	1.43	1.87	1.46
28	2.36	2.51	3.38	9.85	2.61	3.98	1.46	—	—	1.44	1.82	1.42
29	2.42	2.57	3.38	6.77	—	2.93	1.43	1.66	—	1.50	1.79	1.39
30	2.47	2.67	3.39	3.72	—	2.30	1.71	1.93	—	1.56	1.72	1.36
31	2.48	—	3.41	2.99	—	2.07	—	2.00	—	1.65	1.74	—
MAX	3.15	7.82	3.70	9.85	10.43	9.37	6.23	—	—	—	9.53	2.59
MIN	1.50	2.11	2.72	2.34	1.93	1.85	1.43	—	—	—	1.28	1.29

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 07351750) used as auxiliary gage for this station at datum 83.61 ft above sea level.

REMARKS.--Estimated daily discharges. Indefinite stage-discharge relationship: October 23-24, November 10-11, December 16 to January 2, February 1-3, May 31 to June 11. No auxiliary gage height: Oct 1-5. Records fair. Backwater from Red River. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--14 years, 988 ft³/s, 715,800 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,830 ft³/s, Feb. 13, gage height, 24.49 ft; minimum discharge, 38 ft³/s, Sept. 30, gage height 0.80 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	97	168	e300	e4450	2670	396	216	e600	237	228	250
2	86	90	153	e290	e4400	3190	416	208	e450	202	273	260
3	72	81	139	280	e4200	3310	356	308	e345	174	280	240
4	61	104	268	252	2970	3300	265	456	e360	164	295	202
5	64	123	221	226	2230	3040	239	420	e390	145	256	162
6	73	122	279	218	2100	2580	298	412	e400	120	216	131
7	68	113	435	192	1650	2160	313	563	e330	108	194	119
8	62	133	537	163	692	1800	325	1440	e300	102	206	103
9	68	150	576	146	647	2100	320	1410	e290	96	246	93
10	73	e150	568	124	4050	3240	307	1350	e260	109	424	84
11	106	e170	529	114	6960	3770	302	1250	e340	129	613	80
12	133	242	508	157	7610	3900	390	1040	650	122	749	80
13	113	202	578	242	7800	3890	502	974	950	169	762	85
14	94	201	578	280	7520	2940	611	1040	1220	579	705	88
15	89	245	627	282	6770	2610	664	1000	1100	729	639	79
16	87	538	e610	302	5410	2010	1040	1070	832	779	558	68
17	86	1020	e580	668	3950	1400	1250	1330	762	858	475	59
18	82	995	e550	719	2650	1180	1100	1480	925	740	389	60
19	81	917	e520	643	1850	1130	960	1400	940	592	317	59
20	87	757	e480	520	1520	1190	806	1250	830	558	253	54
21	126	624	e450	389	1640	849	685	1080	734	518	230	54
22	146	556	e440	313	2430	728	585	955	776	464	255	52
23	e155	503	e420	286	4730	614	508	793	818	430	311	46
24	e180	444	e400	276	5490	512	457	680	901	414	335	45
25	202	371	e390	284	5400	324	420	595	782	379	315	42
26	273	325	e370	310	4560	445	382	525	629	347	277	42
27	278	289	e360	1080	3510	430	343	482	497	305	244	41
28	217	252	e350	3140	2720	421	299	511	401	275	224	41
29	135	211	e330	4280	---	465	256	680	325	267	201	41
30	80	182	e315	4380	---	398	221	688	271	267	179	40
31	88	---	e310	4470	---	373	---	e650	---	263	159	---
TOTAL	3574	10207	13039	25326	109909	56969	15016	26256	18408	10641	10808	2800
MEAN	115	340	421	817	3925	1838	501	847	614	343	349	93.3
MAX	278	1020	627	4470	7800	3900	1250	1480	1220	858	762	260
MIN	61	81	139	114	647	324	221	208	260	96	159	40
AC-FT	7090	20250	25860	50230	218000	113000	29780	52080	36510	21110	21440	5550
CAL YR 1993	TOTAL 306557			MEAN 840		MAX 5050		MIN 54		AC-FT 608100		
WTR YR 1994	TOTAL 302953			MEAN 830		MAX 7800		MIN 40		AC-FT 600900		

e Estimated

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.39	6.95	4.15	4.01	17.92	15.52	7.83	2.50	6.87	2.67	3.62	2.77
2	1.22	6.59	3.89	3.59	17.83	16.64	7.62	2.43	7.41	2.38	3.26	2.85
3	1.13	6.14	3.76	3.04	17.77	17.06	7.08	3.21	8.65	2.13	3.22	2.70
4	1.08	5.66	4.67	2.79	14.32	17.26	6.11	4.30	9.67	2.03	3.13	2.38
5	1.14	5.22	6.77	2.58	12.68	16.87	5.22	5.50	9.77	1.86	2.82	2.02
6	1.25	4.69	9.98	2.52	12.30	16.06	4.92	8.16	9.08	1.63	2.50	1.73
7	1.20	4.52	11.98	2.29	11.00	15.15	4.71	9.89	8.25	1.51	2.31	1.62
8	1.12	4.71	12.88	2.03	8.05	14.28	4.38	12.38	7.69	1.45	2.42	1.46
9	1.19	4.62	12.99	1.87	7.70	15.32	4.05	12.41	6.95	1.39	2.74	1.36
10	1.25	4.10	12.88	1.67	16.70	17.54	3.75	12.13	6.15	1.52	4.07	1.26
11	1.58	3.55	12.61	1.57	22.95	18.46	3.53	11.81	5.79	1.72	5.32	1.22
12	1.85	3.16	12.51	1.97	24.06	18.52	4.17	11.28	6.75	1.64	6.19	1.22
13	1.66	2.71	12.86	2.71	24.42	18.16	4.76	10.79	7.94	2.05	6.27	1.27
14	1.47	3.00	12.94	3.00	23.82	16.21	5.36	10.80	9.07	5.10	5.93	1.30
15	1.41	3.13	12.69	3.01	22.46	15.07	5.74	10.63	8.80	6.08	5.51	1.22
16	1.39	5.35	11.97	3.18	19.75	13.74	7.76	11.07	8.20	6.36	5.09	1.09
17	1.38	7.79	11.31	6.08	16.40	12.77	8.81	11.87	7.82	6.80	4.55	1.00
18	1.34	7.79	10.80	6.18	13.64	12.38	8.05	12.35	7.81	7.07	3.91	1.02
19	1.33	7.72	10.28	5.79	11.50	11.86	7.35	12.18	7.46	7.72	3.34	1.01
20	1.40	7.44	9.57	5.11	10.11	11.20	6.52	11.57	6.67	7.86	2.79	.97
21	1.78	7.53	9.15	4.77	10.67	9.75	5.80	10.63	6.10	7.76	2.62	.96
22	4.37	7.69	8.85	5.23	12.96	8.90	5.14	9.62	6.35	7.55	2.81	.95
23	8.10	7.59	8.38	5.77	18.17	8.30	4.64	8.41	6.58	7.27	3.23	.88
24	10.37	7.22	7.76	6.18	20.10	7.72	4.30	7.39	7.04	6.85	3.39	.86
25	11.02	6.78	7.20	6.28	20.11	6.97	4.04	6.61	6.38	6.13	3.25	.84
26	10.49	6.36	6.48	6.17	18.68	6.98	3.75	5.92	5.43	5.46	2.98	.83
27	9.56	5.74	5.81	8.85	16.88	6.81	3.45	5.39	4.57	5.09	2.73	.83
28	8.75	5.16	5.30	14.84	15.31	6.90	3.14	5.29	3.89	5.01	2.57	.83
29	8.14	4.66	4.85	17.59	—	7.32	2.82	5.96	3.33	4.83	2.38	.84
30	7.65	4.34	4.52	18.03	—	7.35	2.55	5.96	2.93	4.51	2.18	.82
31	7.27	—	4.28	18.00	—	7.68	—	6.29	—	4.15	1.99	—
MAX	11.02	7.79	12.99	18.03	24.42	18.52	8.81	12.41	9.77	7.86	6.27	2.85
MIN	1.08	2.71	3.76	1.57	7.70	6.81	2.55	2.43	2.93	1.39	1.99	.82

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 1993 TO SEPTEMBER 1994

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 27...	0705	221	7.76	16.5	60	150	8.2	36	1.9	560
NOV 18...	0715	426	7.29	15.0	50	60	9.1	33	0.3	4400
DEC 22...	0810	184	7.32	10.0	60	90	10.3	22	1.5	K1600
FEB 01...	1415	206	7.71	9.5	40	75	12.4	27	3.9	6600
FEB 24...	1220	260	7.40	13.0	--	--	10.0	40	2.3	3200
MAR 23...	0800	381	7.40	19.0	--	--	7.7	21	--	700
APR 20...	0730	369	7.31	20.0	30	33	8.8	26	1.7	310
MAY 20...	0730	383	7.47	22.0	0	0.0	7.3	37	--	--
JUN 22...	0745	417	7.64	28.5	15	43	6.6	27	--	K310
JUL 19...	0945	706	7.65	29.5	--	--	7.0	24	2.8	K3200
AUG 29...	1740	932	8.21	30.5	10	11	9.1	21	--	420
SEP 28...	0745	887	7.92	23.0	30	4.0	8.0	37	3.6	400
DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 27...	460	--	76	23	4.5	12	2.6	72	17	13
NOV 18...	660	780	130	36	9.3	35	3.5	78	59	47
DEC 22...	--	--	58	18	3.1	10	2.1	52	16	12
FEB 01...	--	300	56	16	3.9	14	2.3	45	21	18
FEB 24...	--	940	78	21	6.3	21	2.8	54	34	31
MAR 23...	--	K20	110	30	7.4	31	2.4	63	56	47
APR 20...	K20	70	110	31	8.3	29	3.0	88	41	36
MAY 20...	K130	K60	110	31	8.2	28	2.5	60	51	44
JUN 22...	160	77	120	34	9.4	33	2.9	90	47	45
JUL 19...	550	200	190	52	15	67	3.5	104	100	100
AUG 29...	K13	K27	270	70	22	92	4.3	167	120	120
SEP 28...	K45	K55	250	66	20	83	4.5	169	110	120

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 1993 TO SEPTEMBER 1994

DATE	FLUORIDE, DIS- SOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	0.1	137	138	0.12	0.30	1.0	1.3	0.54	0.16	10
NOV 18...	0.1	264	80	0.01	0.22	0.58	0.80	0.14	0.10	7.6
DEC 22...	<0.1	110	200	0.03	0.18	0.55	0.73	0.18	0.08	10
FEB 01...	<0.1	129	330	0.02	0.16	0.79	0.95	0.07	0.09	9.3
FEB 24...	<0.1	160	240	0.03	0.15	0.81	0.96	0.21	0.12	13
MAR 23...	0.1	218	130	0.02	0.12	0.66	0.78	0.13	0.05	8.8
APR 20...	0.1	228	122	0.01	0.03	0.67	0.70	0.10	0.05	10
MAY 20...	0.1	215	210	0.02	0.23	0.78	1.0	0.20	0.09	8.0
JUN 22...	0.2	245	108	0.01	0.19	0.67	0.86	0.12	0.07	8.5
JUL 19...	0.2	449	470	0.01	0.44	1.3	1.7	0.27	0.05	7.5
AUG 29...	0.2	564	18	<0.01	<0.02	1.1	1.1	0.10	0.03	9.1
SEP 28...	0.2	523	64	0.01	0.04	0.95	0.99	0.13	0.05	9.8

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 27...	5	<1	<1	11	--	8200	18	360
FEB 01...	3	<1	<1	3	6	3200	4	120
APR 20...	1	<1	<1	3	3	1700	10	140
JUL 19...	7	1	<1	9	17	7300	8	600

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 27...	0.1	24	<1	70	<0.01	4	44
FEB 01...	<0.1	6	<1	10	<0.01	4	<1
APR 20...	<0.1	4	<1	10	<0.01	<1	<1
JUL 19...	0.8	13	3	30	<0.01	<1	<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 and data-collection platform. 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. Several measurements of water temperature were made during the year.

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)
Feb. 11	2300	*3,780	*9.29	Apr. 18	0900	1,080	7.03
Mar. 12	0400	1,190	7.14	May 17	2300	1,020	6.97

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	37	32	45	590	325	251	91	77	29	20	24
2	9.7	29	33	54	326	523	183	89	67	27	18	20
3	9.8	29	34	56	207	618	151	210	52	25	17	20
4	11	36	138	54	163	693	131	202	42	26	18	20
5	11	38	143	50	152	664	138	263	40	23	24	17
6	11	33	164	50	138	484	258	237	37	21	24	19
7	10	27	147	51	135	321	272	158	33	18	21	69
8	9.7	26	95	50	133	253	255	164	29	16	22	59
9	13	29	67	47	139	423	198	165	34	15	22	32
10	20	34	55	41	997	770	155	185	71	24	19	21
11	20	33	47	66	2830	912	132	154	179	28	16	19
12	17	33	42	112	2840	1120	252	126	217	57	16	20
13	18	32	62	126	1520	859	413	108	225	125	15	16
14	26	47	91	122	972	571	475	143	136	99	14	14
15	22	98	90	99	715	351	479	330	74	208	13	13
16	20	139	87	74	518	259	480	622	54	215	12	13
17	24	215	82	186	361	220	704	908	49	94	12	15
18	20	223	66	243	282	192	1010	916	47	47	11	16
19	17	187	58	273	244	177	772	678	38	35	12	15
20	19	137	54	256	227	171	439	477	61	32	13	13
21	39	79	51	178	240	160	233	242	159	27	32	12
22	49	54	53	128	310	146	167	145	115	30	34	12
23	39	44	57	102	475	132	136	104	114	43	29	11
24	27	39	54	86	545	123	115	81	179	77	23	11
25	22	36	48	81	551	114	101	67	213	106	36	11
26	19	36	43	92	528	121	95	57	127	59	67	12
27	19	37	39	256	368	132	88	53	71	40	84	11
28	17	36	39	568	254	205	81	55	48	30	38	11
29	18	35	43	626	---	356	74	56	37	25	20	10
30	41	33	43	691	---	425	96	77	30	21	16	9.6
31	44	---	40	764	---	398	---	71	---	20	15	---
TOTAL	652.2	1891	2097	5627	16660	12218	8334	7234	2655	1642	733	565.6
MEAN	21.0	63.0	67.6	182	595	394	278	233	88.5	53.0	23.6	18.9
MAX	49	223	164	764	2790	1120	1010	916	225	215	84	69
MIN	9.7	26	32	41	133	114	74	53	29	15	11	9.6
AC-FT	1290	3750	4160	11160	33050	24230	16530	14350	5270	3260	1450	1120
CFSM	.14	.41	.44	1.18	3.86	2.56	1.80	1.52	.57	.34	.15	.12
IN.	.16	.46	.51	1.36	4.02	2.95	2.01	1.75	.64	.40	.18	.14

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1994, BY WATER YEAR (WY)

MEAN	43.8	125	209	305	341	291	252	264	122	66.3	32.6	41.4
MAX	310	713	971	1116	925	693	999	1122	652	1010	177	280
(WY)	1946	1958	1983	1945	1983	1973	1991	1953	1959	1989	1955	1958
MIN	5.73	11.9	25.0	29.5	36.9	53.7	27.3	14.3	12.0	5.60	4.76	4.45
(WY)	1968	1944	1944	1967	1981	1967	1978	1988	1985	1966	1954	1982

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR			FOR 1994 WATER YEAR			WATER YEARS 1941 -1994		
ANNUAL TOTAL	55867.8			60408.8					
ANNUAL MEAN	153			166			174		
HIGHEST ANNUAL MEAN							371		
LOWEST ANNUAL MEAN							34.7		
HIGHEST DAILY MEAN	1470	Apr	10	2840	Feb	12	11100	Jan	1 1945
LOWEST DAILY MEAN	7.2	Sep	12	9.6	Sep	30	2.6	Aug	14 1954
ANNUAL SEVEN-DAY MINIMUM	7.5	Sep	8	10	Oct	2	2.9	Aug	11 1954
INSTANTANEOUS PEAK FLOW				3780	Feb	11	a13500	Jan	1 1945
INSTANTANEOUS PEAK STAGE				9.29	Feb	11	12.90	Jan	1 1945
INSTANTANEOUS LOW FLOW				9.3	Oct	9	2.4	Aug	14 1954
INSTANTANEOUS LOW STAGE				2.47	Sep	30	1.66	Aug	7,8 1964
ANNUAL RUNOFF (AC-FT)	110800			119800			125800		
ANNUAL RUNOFF (CFSM)	.99			1.07			1.13		
ANNUAL RUNOFF (INCHES)	13.50			14.59			15.32		
10 PERCENT EXCEEDS	421			475			430		
50 PERCENT EXCEEDS	61			59			63		
90 PERCENT EXCEEDS	10			16			11		

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.55	3.28	3.44	3.66	6.49	5.78	5.49	4.17	4.05	3.11	2.82	2.92
2	2.53	3.10	3.44	3.80	5.82	6.29	5.07	4.14	3.91	3.06	2.77	2.82
3	2.53	3.10	3.48	3.82	5.24	6.48	4.81	5.25	3.67	3.01	2.72	2.82
4	2.58	3.27	4.68	3.79	4.92	6.60	4.62	5.20	3.50	3.04	2.76	2.84
5	2.59	3.30	4.74	3.74	4.82	6.54	4.67	5.58	3.45	2.97	2.93	2.74
6	2.57	3.19	4.93	3.74	4.69	6.19	5.54	5.42	3.40	2.91	2.94	2.79
7	2.55	3.06	4.77	3.75	4.67	5.79	5.62	4.87	3.30	2.82	2.86	3.84
8	2.53	3.03	4.28	3.74	4.64	5.52	5.53	4.93	3.20	2.75	2.87	3.66
9	2.65	3.10	3.98	3.69	4.69	6.00	5.17	4.93	3.32	2.73	2.87	3.12
10	2.86	3.22	3.81	3.60	6.96	6.67	4.84	5.08	3.80	2.99	2.79	2.84
11	2.87	3.20	3.69	3.94	8.74	6.84	4.63	4.84	5.04	3.07	2.71	2.80
12	2.78	3.18	3.61	4.45	8.74	7.08	5.48	4.57	5.30	3.60	2.69	2.82
13	2.81	3.17	3.89	4.57	7.70	6.78	6.01	4.38	5.35	4.57	2.67	2.72
14	3.02	3.47	4.25	4.53	7.11	6.33	6.15	4.72	4.66	4.27	2.63	2.64
15	2.93	4.27	4.23	4.32	6.73	5.86	6.16	5.74	4.00	5.19	2.61	2.59
16	2.87	4.68	4.21	4.07	6.35	5.55	6.16	6.42	3.69	5.26	2.58	2.59
17	2.97	5.29	4.15	5.07	5.95	5.32	6.56	6.84	3.62	4.17	2.55	2.67
18	2.88	5.34	3.96	5.46	5.69	5.13	6.96	6.85	3.58	3.43	2.55	2.71
19	2.79	5.10	3.85	5.62	5.47	5.03	6.66	6.52	3.41	3.18	2.56	2.67
20	2.85	4.67	3.80	5.53	5.36	4.98	6.06	6.15	3.77	3.11	2.62	2.61
21	3.32	4.11	3.75	5.02	5.45	4.89	5.39	5.42	4.88	3.00	3.11	2.58
22	3.52	3.79	3.78	4.60	5.75	4.76	4.95	4.75	4.46	3.08	3.17	2.56
23	3.33	3.65	3.83	4.35	6.23	4.64	4.67	4.35	4.45	3.35	3.04	2.53
24	3.06	3.56	3.79	4.20	6.38	4.54	4.46	4.09	5.02	3.95	2.89	2.52
25	2.91	3.51	3.71	4.15	6.39	4.45	4.31	3.90	5.27	4.35	3.18	2.54
26	2.86	3.51	3.63	4.23	6.33	4.52	4.23	3.75	4.57	3.66	3.80	2.56
27	2.83	3.52	3.57	5.44	5.94	4.63	4.14	3.68	3.89	3.29	4.06	2.54
28	2.79	3.51	3.57	6.45	5.53	5.20	4.06	3.71	3.51	3.08	3.25	2.52
29	2.81	3.49	3.63	6.57	—	5.87	3.95	3.73	3.27	2.94	2.82	2.49
30	3.35	3.46	3.62	6.69	—	6.04	4.22	4.04	3.13	2.85	2.70	2.47
31	3.42	—	3.58	6.82	—	5.98	—	3.96	—	2.83	2.68	—
MAX	3.52	5.34	4.93	6.82	8.74	7.08	6.96	6.85	5.35	5.26	4.06	3.84
MIN	2.53	3.03	3.44	3.60	4.64	4.45	3.95	3.68	3.13	2.73	2.55	2.47

RED RIVER BASIN

07352800 GRAND BAYOU NEAR COUSHATTA, LA

LOCATION.--Lat 32°02'55", long 93°18'10", in SW 1/4 SW 1/4 sec.4, T.12 N., R.9 W., Red River Parish, Hydrologic Unit 11140209, near right bank on downstream side of bridge on State Highway 155, 0.5 mi upstream from Carroll Creek, and 3.3 mi north of Coushatta.

DRAINAGE AREA.--93.9 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 136.26 ft above sea level.

REMARKS.--Estimated daily discharges. Records fair below 100 ft³/s and good above.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 12	0630	*3,100	*9.75	May 10	0830	1,110	8.42
Feb. 23	2330	1,330	8.62	May 15	1430	1,530	8.78
Mar. 11	0530	837	8.11				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.00	.32	1.3	94	341	26	246	208	e5.2	.51	2.8
2	.04	.00	.35	1.3	43	583	19	78	93	e4.5	.39	1.9
3	.04	.01	.48	1.3	29	610	14	57	55	e4.0	.98	.81
4	.04	.01	3.2	1.3	22	549	11	100	45	e4.4	1.2	.44
5	.04	.01	2.1	1.4	19	375	9.6	45	24	3.8	1.0	.28
6	.05	.00	23	2.1	17	154	57	22	14	2.5	.80	28
7	.03	.00	19	1.9	16	87	148	34	9.8	1.6	.68	60
8	.03	.00	9.9	1.6	15	64	72	506	7.0	1.4	1.8	2.1
9	.28	.02	5.3	1.4	20	418	35	799	e7.6	1.3	1.9	.76
10	.08	.01	3.2	1.3	1650	708	22	1050	e15	1.8	1.4	.39
11	.06	.00	2.0	2.1	2180	818	17	803	e40	2.5	.96	.29
12	.05	.00	1.3	6.3	2750	666	199	510	e58	4.4	.64	.24
13	.06	.00	2.4	38	1380	473	411	167	e50	3.9	.44	.18
14	.06	.74	3.1	31	798	168	406	587	e20	109	.36	.14
15	.06	.51	2.1	18	520	76	190	1100	e11	187	.30	.11
16	.05	5.6	2.7	12	197	54	241	1190	e8.0	135	.27	.09
17	.05	9.9	5.8	51	101	41	251	987	e9.0	145	.24	.09
18	.04	2.1	5.2	112	81	32	218	739	e7.8	121	.19	.09
19	.03	.96	5.4	112	61	27	96	623	e7.2	31	.15	.08
20	.07	.85	4.6	56	58	24	37	457	e8.0	14	.33	.07
21	.12	3.7	3.8	28	279	21	22	136	e44	8.3	4.4	.07
22	.07	2.5	3.1	18	564	18	29	39	e30	5.4	2.1	.06
23	.05	1.6	2.6	14	1140	16	25	23	e28	3.6	1.0	.05
24	.05	1.2	1.9	11	1230	14	15	16	e43	6.1	.52	.06
25	.05	.93	1.6	8.7	863	13	15	12	e52	7.3	1.6	.06
26	.05	.68	1.3	8.0	594	12	17	9.4	e40	4.3	4.3	.05
27	.04	.53	1.1	143	261	22	12	7.9	e18	2.8	1.2	.06
28	.03	.48	1.1	426	87	163	8.9	8.1	e10	1.9	1.5	.05
29	.04	.38	1.3	479	---	143	6.5	12	e8.0	1.3	2.0	.05
30	.06	.35	1.2	521	---	74	22	59	e6.4	.94	1.4	.04
31	.01	---	1.2	359	---	40	---	207	---	.67	1.2	---
TOTAL	1.77	33.07	121.65	2469.0	15069	6804	2652.0	10629.4	976.8	825.91	35.76	99.41
MEAN	.057	1.10	3.92	79.6	538	219	88.4	343	32.6	26.6	1.15	3.31
MAX	.28	9.9	23	521	2750	818	411	1190	208	187	4.4	60
MIN	.01	.00	.32	1.3	15	12	6.5	7.9	6.4	.67	.15	.04
AC-FT	3.5	66	241	4900	29890	13500	5260	21080	1940	1640	71	197
CFSM	.00	.01	.04	.85	5.73	2.34	.94	3.65	.35	.28	.01	.04
IN.	.00	.01	.05	.98	5.97	2.70	1.05	4.21	.39	.33	.01	.04

e Estimated

RED RIVER BASIN
07352800 GRAND BAYOU NEAR COUSHATTA, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1994, BY WATER YEAR (WY)

MEAN	4.45	53.8	138	177	231	174	156	149	89.7	38.8	5.86	26.3
MAX	36.8	513	820	834	818	525	931	787	560	602	66.8	485
(WY)	1975	1958	1962	1974	1983	1961	1991	1989	1989	1989	1961	1958
MIN	.000	.010	.050	.061	1.22	3.31	3.98	.39	.001	.000	.000	.000
(WY)	1963	1968	1981	1981	1981	1967	1981	1963	1988	1966	1990	1983
SUMMARY STATISTICS												
FOR 1993 CALENDAR YEAR				FOR 1994 WATER YEAR				WATER YEARS 1957 - 1994				
ANNUAL TOTAL	33018.71				39717.77							
ANNUAL MEAN	90.5				109							
HIGHEST ANNUAL MEAN									103			
LOWEST ANNUAL MEAN									272			
HIGHEST DAILY MEAN	1770				Jun 22				2750			
LOWEST DAILY MEAN	.00				many days				Feb 12			
ANNUAL SEVEN-DAY MINIMUM	.00				many days				many days			
INSTANTANEOUS PEAK FLOW									3100			
INSTANTANEOUS PEAK STAGE									Feb. 12			
INSTANTANEOUS LOW FLOW									9.75			
									Feb. 12			
									.00			
									many days			
ANNUAL RUNOFF (AC-FT)	65490				78780				74670			
ANNUAL RUNOFF (CFSM)	.96				1.16				1.10			
ANNUAL RUNOFF (INCHES)	13.08				15.73				14.91			
10 PERCENT EXCEEDS	302				387				286			
50 PERCENT EXCEEDS	3.8				6.5				5.3			
90 PERCENT EXCEEDS	.05				.05				.00			

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	.75	1.05	1.24	3.86	6.02	2.51	5.70	5.33	—	.93	1.20
2	.71	.75	1.06	1.24	2.93	7.59	2.26	3.55	3.86	—	.90	1.10
3	.71	.78	1.09	1.24	2.58	7.67	2.10	3.20	3.16	—	.99	.95
4	.71	.80	1.45	1.24	2.38	7.49	1.96	4.00	2.94	—	1.05	.87
5	.71	.80	1.34	1.25	2.28	6.73	1.88	2.97	2.36	1.41	1.01	.83
6	.71	.80	2.30	1.34	2.21	4.70	2.99	2.38	2.01	1.29	.96	1.67
7	.70	.79	2.24	1.32	2.15	3.78	4.65	2.51	1.80	1.19	.93	2.87
8	.70	.80	1.87	1.27	2.11	3.38	3.52	7.29	1.64	1.16	1.08	1.14
9	.83	.83	1.61	1.25	2.24	6.23	2.75	8.03	—	1.15	1.10	.96
10	.76	.82	1.44	1.23	8.59	7.88	2.37	8.36	—	1.20	1.04	.88
11	.73	.82	1.32	1.33	9.21	8.08	2.20	8.04	—	1.29	.97	.85
12	.73	.82	1.23	1.61	9.56	7.79	5.02	7.31	—	1.46	.91	.83
13	.74	.83	1.36	2.81	8.64	7.20	7.00	4.80	—	1.38	.87	.81
14	.74	1.05	1.44	2.62	8.03	4.84	6.95	7.55	—	4.06	.85	.80
15	.74	1.09	1.34	2.23	7.37	3.60	5.12	8.31	—	5.12	.83	.78
16	.73	1.45	1.39	1.99	5.17	3.19	5.67	8.50	—	4.48	.83	.77
17	.73	1.80	1.65	3.10	4.02	2.90	5.77	8.29	—	4.62	.81	.77
18	.72	1.34	1.61	4.16	3.69	2.66	5.44	7.94	—	4.25	.80	.76
19	.72	1.18	1.62	4.17	3.33	2.52	3.90	7.70	—	2.50	.78	.75
20	.77	1.15	1.56	3.21	3.25	2.42	2.80	7.13	—	1.91	.80	.74
21	.81	1.49	1.50	2.56	6.00	2.34	2.37	4.38	—	1.63	1.34	.74
22	.76	1.37	1.43	2.24	7.33	2.22	2.56	2.80	—	1.45	1.13	.73
23	.74	1.27	1.39	2.09	8.45	2.16	2.46	2.34	—	1.31	.98	.72
24	.74	1.22	1.31	1.94	8.53	2.10	2.11	2.09	—	1.50	.89	.73
25	.74	1.18	1.27	1.83	8.13	2.04	2.11	1.91	—	1.58	1.00	.73
26	.74	1.13	1.23	1.78	7.61	2.01	2.20	1.78	—	1.37	1.32	.72
27	.73	1.10	1.21	4.11	5.76	2.32	1.99	1.69	—	1.24	1.01	.72
28	.74	1.09	1.21	7.09	3.79	4.79	1.84	1.70	—	1.15	1.04	.71
29	.77	1.07	1.23	7.27	—	4.58	1.70	1.87	—	1.07	1.11	.71
30	.80	1.06	1.23	7.41	—	3.56	2.11	3.19	—	1.01	1.04	.70
31	.76	—	1.23	6.58	—	2.88	—	5.32	—	.96	1.01	—
MAX	.83	1.80	2.30	7.41	9.56	8.08	7.00	8.50	—	—	1.34	2.87
MIN	.70	.75	1.05	1.23	2.11	2.01	1.70	1.69	—	—	.78	.70

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, 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, 13.16 ft, Feb. 17; minimum, unknown.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.63	8.90	9.30	9.32	10.30	11.38	9.69	9.63	8.06		1.92	
2	8.63	8.90	9.29	9.32	10.43	11.68	9.68	9.59	7.86		1.90	
3	8.64	8.93	9.29	9.33	10.59	11.79	9.69	9.74	7.69		1.88	
4	8.63	8.95	9.42	9.31	10.67	11.79	9.67	9.77	7.52		1.88	
5	8.62	8.98	9.39	9.26	10.67	11.69	9.71	9.76	7.32		1.88	
6	8.61	8.99	9.40	9.29	10.60	11.53	9.79	9.73	7.07	2.09	1.86	
7	8.59	8.96	9.39	9.32	10.51	11.32	9.74	9.73	6.81	1.90	1.85	
8	8.58	8.96	9.40	9.28	10.41	11.08	9.71	9.91	6.53	1.87	1.86	
9	8.67	9.01	9.40	9.26	10.40	11.31	9.71	9.99	6.22	1.97	1.84	1.22
10	8.69	9.02	9.45	9.25	10.72	11.56	9.71	10.15	5.89	2.13	1.83	1.31
11	8.67	9.02	9.44	9.32	11.60	11.71	9.70	10.32	5.56	2.26	1.81	1.38
12	8.66	9.02	9.40	9.32	12.30	11.77	9.90	10.42	5.25	2.25	1.80	1.42
13	8.67	9.04	9.49	9.33	12.74	11.72	9.95	10.42	5.06	2.16	1.79	1.44
14	8.68	9.13	9.48	9.33	12.88	11.57	9.97	10.37	4.84	2.05	1.77	1.44
15	8.68	9.21	9.44	9.34	12.99	11.35	10.04	10.34	4.67	1.95	1.76	1.44
16	8.69	9.25	9.42	9.39	13.12	11.12	10.13	10.28	4.59	1.85	1.74	1.45
17	8.70	9.33	9.41	9.66	13.13	10.92	10.16	10.31	4.75	1.76	1.71	1.44
18	8.69	9.32	9.41	9.67	12.95	10.77	10.16	10.41	4.71	1.81	1.69	1.42
19	8.70	9.34	9.39	9.67	12.62	10.63	10.18	10.41	4.60	1.97	1.67	1.40
20	8.75	9.35	9.41	9.69	12.26	10.51	10.19	10.32	4.40	2.16	1.64	1.35
21	8.83	9.35	9.39	9.69	11.93	10.40	10.20	10.18	4.17	2.31	1.57	1.31
22	8.83	9.36	9.42	9.69	11.73	10.27	10.20	10.01	3.96	2.37	1.46	1.20
23	8.82	9.37	9.41	9.68	11.88	10.16	10.19	9.81	3.73	2.37	1.38	
24	8.83	9.38	9.40	9.65	11.89	10.07	10.11	9.59	3.71	2.32	1.30	
25	8.84	9.41	9.38	9.68	11.83	9.97	10.04	9.36	3.77	2.23	1.26	
26	8.86	9.39	9.35	9.73	11.72	9.87	9.98	9.13	3.68	2.15	1.22	
27	8.87	9.36	9.35	10.00	11.54	9.84	9.90	8.90	3.59	2.08	1.20	
28	8.86	9.34	9.37	10.12	11.31	9.80	9.83	8.67	3.50	2.02	1.20	
29	8.89	9.33	9.35	10.16	---	9.70	9.75	8.44	3.40	1.99		
30	8.97	9.32	9.33	10.19	---	9.69	9.71	8.24	3.30	1.96		
31	8.93	---	---	9.31	10.24	---	9.69	---	8.18	---	1.94	---
MAX	8.97	9.41	9.49	10.24	13.13	11.79	10.20	10.42	8.06	---	---	---
MIN	8.58	8.90	9.29	9.25	10.30	9.69	9.67	8.18	3.30	---	---	---

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. Drawdown structure consists of one 5- by 5-ft metal sluice gate that can be varied from -16.78 to -11.78 ft gage height. Area of lake is 1,580 acres, usable capacity, 11,200 acre-ft at 3.05 ft gage height. Gages were closed all year. 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, 4.60 ft, January 23; minimim, 2.22 ft, October 8, 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.30	2.34	2.84	3.06	3.34	3.55	3.24	3.55	4.07	3.09	2.93	2.92
2	2.29	2.33	2.84	3.08	3.32	3.78	3.22	3.51	4.02	3.07	2.92	2.98
3	2.29	2.35	2.86	3.08	3.29	3.83	3.23	3.97	3.86	3.05	2.91	2.98
4	2.28	2.38	2.99	3.07	3.28	3.83	3.21	4.02	3.66	3.04	2.94	2.98
5	2.26	2.40	3.02	3.06	3.33	3.73	3.25	3.87	3.51	3.02	3.03	2.97
6	2.25	2.40	3.03	3.07	3.53	3.59	3.60	3.71	3.41	3.01	3.05	2.97
7	2.24	2.38	3.13	3.12	3.71	3.49	3.70	3.55	3.34	2.99	3.03	2.97
8	2.22	2.37	3.16	3.12	3.76	3.43	3.65	3.53	3.28	2.98	3.04	2.96
9	2.29	2.43	3.23	3.11	3.72	3.95	3.54	3.60	3.24	2.97	3.04	2.95
10	2.31	2.45	3.23	3.10	3.61	4.23	3.44	3.81	3.20	2.99	3.04	2.93
11	2.29	2.45	3.20	3.09	3.50	4.31	3.38	3.99	3.18	3.02	3.03	2.94
12	2.28	2.45	3.18	3.19	3.72	4.12	3.56	3.93	3.18	3.03	3.01	2.95
13	2.29	2.46	3.16	3.50	3.76	3.90	3.62	3.74	3.20	3.03	3.00	2.94
14	2.31	2.53	3.15	3.60	3.71	3.70	3.59	3.57	3.21	3.04	2.99	2.94
15	2.30	2.68	3.14	3.56	3.59	3.57	3.52	3.50	3.20	3.13	2.98	2.93
16	2.30	2.74	3.14	3.47	3.46	3.49	3.43	3.45	3.18	3.16	2.97	2.93
17	2.29	2.80	3.13	3.37	3.38	3.43	3.37	3.53	3.16	3.15	2.95	2.92
18	2.29	2.82	3.15	3.31	3.33	3.40	3.32	3.67	3.15	3.12	2.93	2.91
19	2.28	2.83	3.15	3.27	3.30	3.37	3.29	3.65	3.14	3.09	2.92	2.90
20	2.29	2.84	3.14	3.24	3.32	3.35	3.26	3.61	3.12	3.07	2.90	2.88
21	2.37	2.84	3.13	3.24	3.45	3.35	3.23	3.49	3.12	3.05	2.92	2.87
22	2.39	2.84	3.11	3.32	3.56	3.33	3.22	3.40	3.11	3.04	2.92	2.86
23	2.38	2.84	3.11	4.40	3.87	3.31	3.27	3.33	3.12	3.03	2.91	2.84
24	2.37	2.84	3.11	4.47	3.89	3.31	3.28	3.28	3.16	3.02	2.90	2.82
25	2.37	2.85	3.10	4.26	3.85	3.30	3.27	3.25	3.23	3.00	2.90	2.80
26	2.36	2.85	3.09	4.01	3.72	3.28	3.28	3.22	3.23	2.99	2.91	2.79
27	2.36	2.84	3.08	3.78	3.56	3.30	3.25	3.23	3.19	2.98	2.91	2.77
28	2.34	2.84	3.11	3.58	3.45	3.32	3.23	3.24	3.15	2.96	2.90	2.76
29	2.35	2.84	3.11	3.47	—	3.28	3.20	3.28	3.12	2.94	2.89	2.76
30	2.39	2.84	3.11	3.40	—	3.27	3.31	3.44	3.10	2.93	2.87	2.74
31	2.36	—	3.09	3.36	—	3.25	—	3.83	—	2.93	2.87	—
MAX	2.39	2.85	3.23	4.47	3.89	4.31	3.70	4.02	4.07	3.16	3.05	2.98
MIN	2.22	2.33	2.84	3.06	3.28	3.25	3.20	3.22	3.10	2.93	2.87	2.74

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 good.

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, 9,900 ft³/s, Jan. 28, gage height, 16.91 ft; minimum gage height, 3.64 ft, Oct. 2, 3.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.66	4.10	4.06	4.47	7.12	7.56	5.24	7.42	6.32	4.49	4.12	4.05
2	3.65	3.96	4.05	4.84	6.80	11.08	5.20	5.94	5.73	4.46	4.08	4.42
3	3.64	3.94	4.08	4.99	6.57	8.20	5.17	14.11	5.55	4.40	4.07	4.22
4	3.83	4.05	5.46	4.77	6.42	7.16	5.13	11.51	5.38	4.34	4.23	4.09
5	3.78	4.14	6.26	4.60	6.50	6.69	5.26	7.89	5.42	4.29	4.46	4.01
6	3.70	4.12	5.12	4.49	6.63	6.41	12.26	6.88	5.42	4.24	4.32	3.98
7	3.67	4.00	4.66	4.47	6.29	6.24	8.38	6.38	5.16	4.24	4.19	3.96
8	3.66	3.93	4.45	4.44	6.16	6.11	6.74	6.14	4.96	5.78	4.92	3.94
9	3.75	4.06	4.35	4.39	6.11	13.32	6.20	6.60	4.82	5.99	4.81	3.91
10	3.89	4.26	6.02	4.34	9.46	13.55	5.96	8.11	4.71	5.57	4.59	3.88
11	4.01	4.30	7.10	4.43	12.45	9.05	5.75	7.24	4.72	6.44	4.37	3.87
12	3.92	4.16	5.54	5.00	9.15	7.92	11.54	6.36	8.66	5.23	4.21	3.90
13	3.84	4.09	5.39	5.22	7.61	7.38	10.08	5.92	6.45	4.90	4.12	3.91
14	3.81	4.47	7.21	4.88	6.88	7.03	7.30	5.88	5.65	4.72	4.07	3.87
15	3.82	6.90	5.87	4.66	6.51	6.78	6.57	5.85	5.18	5.61	4.03	3.85
16	3.83	5.47	5.14	4.52	6.29	6.59	6.28	5.68	4.97	7.56	4.02	3.84
17	3.81	5.50	4.84	10.50	6.11	6.38	6.16	5.72	7.06	6.45	3.99	3.84
18	3.78	5.42	4.70	9.24	5.97	6.24	5.80	6.02	5.90	5.16	4.01	3.85
19	3.76	4.81	4.64	6.73	5.88	6.14	5.59	5.51	5.43	4.80	4.08	3.84
20	3.78	4.52	4.65	6.00	5.89	6.04	5.45	5.25	5.53	4.63	4.11	3.82
21	4.01	4.34	4.71	5.64	9.99	5.94	5.34	5.10	7.16	4.78	4.16	3.80
22	4.20	4.24	4.82	5.38	9.76	5.83	5.26	4.99	8.35	4.62	4.38	3.78
23	4.18	4.19	6.10	5.23	13.99	5.74	5.31	4.90	7.20	4.80	4.55	3.77
24	4.00	4.16	5.67	5.13	9.15	5.71	5.19	4.84	6.16	4.84	4.32	3.75
25	3.88	4.14	5.12	5.06	7.62	5.63	5.27	4.78	5.47	4.49	4.22	3.74
26	3.83	4.12	4.83	5.12	7.00	5.55	5.26	4.74	5.12	4.30	4.10	3.73
27	3.80	4.11	4.67	12.31	6.60	5.58	5.05	5.78	4.90	4.20	4.05	3.72
28	3.78	4.10	4.58	16.52	6.38	5.78	4.93	8.39	4.72	4.14	4.01	3.71
29	3.79	4.09	4.53	10.69	—	5.60	4.84	7.97	4.60	4.10	3.98	3.71
30	3.97	4.07	4.48	8.47	—	5.42	5.60	10.87	4.53	4.07	3.95	3.70
31	4.14	—	4.42	7.63	—	5.31	—	7.23	—	4.14	3.92	—
MAX	4.20	6.90	7.21	16.52	13.99	13.55	12.26	14.11	8.66	7.56	4.92	4.42
MIN	3.64	3.93	4.05	4.34	5.88	5.31	4.84	4.74	4.53	4.07	3.92	3.70

RED RIVER BASIN

07355130 RED RIVER AT BOYCE, LA

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

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

PERIOD OF RECORD.--Water years 1973-84, 1986 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 1993										
26...	1310	264	8.19	20.0	60	190	7.5	31	2.6	--
NOV 17...	1430	377	7.36	16.0	60	45	10.4	33	1.7	480
DEC 21...	1325	177	7.24	10.0	40	70	12.2	24	3.5	K850
FEB 1994										
01...	1235	216	7.66	10.5	80	90	12.1	37	3.9	4400
24...	1020	333	7.53	13.0	--	--	10.2	17	2.2	3000
MAR 22...	1435	330	7.69	18.0	--	--	10.8	22	2.8	K770
APR 19...	1600	310	7.22	20.0	50	32	8.8	31	1.8	170
MAY 19...	1555	355	7.36	23.5	--	--	7.7	36	1.7	K1200
JUN 21...	1400	347	7.59	29.0	20	35	6.8	25	0.6	1500
JUL 25...	1040	429	7.52	31.0	--	--	6.6	17	--	K300
AUG 30...	0815	607	7.55	29.5	10	7.5	7.4	15	3.7	80
SEP 27...	1545	754	7.86	26.0	15	3.5	5.3	29	2.1	K40
DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 1993										
26...	760	--	88	26	5.5	16	2.4	74	25	18
NOV 17...	K190	230	110	33	7.4	32	3.4	79	49	39
DEC 21...	--	--	58	18	3.1	10	2.1	46	16	12
FEB 1994										
01...	--	210	59	17	4.1	15	2.3	45	22	20
24...	--	1700	97	26	7.9	28	2.9	60	49	42
MAR 22...	--	K13	90	26	6.0	--	2.2	61	46	38
APR 19...	K40	K20	91	25	7.0	23	2.6	75	31	28
MAY 19...	K100	K81	100	28	7.4	26	2.5	62	46	40
JUN 21...	660	K15	98	27	7.5	27	2.6	73	37	35
JUL 25...	K260	K20	110	31	8.8	37	2.7	74	55	53
AUG 30...	<10	K13	180	50	14	52	3.4	140	64	67
SEP 27...	<2	K20	220	60	17	60	4.1	175	74	80

< 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

07355130 RED RIVER AT BOYCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	FLUORIDE, DIS- SOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1993										
26...	0.1	167	286	0.14	0.34	0.68	1.0	0.59	0.54	10
NOV										
17...	0.1	228	190	0.01	0.23	0.50	0.73	0.10	0.09	8.5
DEC										
21...	<0.1	107	180	0.03	0.16	0.60	0.76	0.20	0.10	--
FEB 1994										
01...	<0.1	132	180	0.02	0.16	0.47	0.63	0.07	--	11
24...	<0.1	209	102	0.02	0.13	0.72	0.85	0.17	0.11	12
MAR										
22...	0.1	199	110	0.02	0.18	0.88	1.1	0.13	0.05	9.3
APR										
19...	0.1	185	84	0.01	0.04	0.63	0.67	0.10	0.06	10
MAY										
19...	0.1	206	210	0.03	0.31	0.68	0.99	0.19	0.09	8.9
JUN										
21...	0.1	196	62	0.02	0.25	0.54	0.79	0.10	0.08	8.0
JUL										
25...	0.2	253	114	0.03	0.20	0.71	0.91	0.13	0.10	6.5
AUG										
30...	0.2	394	12	0.01	0.05	0.84	0.89	0.08	0.04	6.3
SEP										
27...	0.2	413	22	0.01	0.23	0.53	0.76	0.08	0.05	6.7

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 1993								
26...	7	<1	<1	11	13	12000	11	580
FEB 1994								
01...	2	<1	<1	3	6	3300	4	120
APR								
19...	1	<1	<1	14	2	1300	4	81
JUL								
25...	3	<1	<1	5	4	3300	3	220

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1993							
26...	0.1	14	<1	40	<0.01	<1	23
FEB 1994							
01...	<0.1	5	<1	10	<0.01	5	<1
APR							
19...	<0.1	4	<1	10	<0.01	<1	<1
JUL							
25...	<0.1	6	1	10	<0.01	<1	<1

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

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.--Discharge data will be entered into the water-quality file when made available by the Army Corps of Engineers. Water-quality samples are non-integrated on all dates except Oct. 21, Feb. 23, Apr. 18, and Aug. 30. All dissolved constituents are results from water that has been filtered through 0.45 micron filters.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 1993										
21...	1020	418	7.90	21.0	5	2.8	8.0	20	--	180
NOV										
17...	1300	300	7.55	16.5	40	55	10.4	33	1.4	960
DEC										
21...	1200	181	7.36	9.5	60	80	11.8	21	2.9	1100
FEB 1994										
01...	1030	204	7.71	9.5	60	37	11.7	28	3.5	4200
23...	1430	379	7.40	12.0	--	48	10.2	14	1.1	2900
MAR										
22...	1315	311	7.80	18.0	--	--	9.6	20	0.8	K770
APR										
18...	1300	408	7.26	20.5	30	9.5	8.6	25	2.0	K300
MAY										
19...	1450	340	7.21	23.0	--	--	7.3	41	1.0	K800
JUN										
21...	1300	391	7.64	28.0	15	35	6.0	24	--	--
JUL										
25...	1000	465	7.53	30.5	--	--	7.7	16	2.6	K200
AUG										
30...	1000	548	7.68	29.5	10	10	6.1	11	1.3	K290
SEP										
27...	1035	668	7.79	24.0	20	3.0	5.8	27	1.5	K60

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 1993 TO SEPTEMBER 1994

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 1993										
21...	K87	380	130	35	10	36	2.3	88	89	54
NOV 17...	290	500	89	26	5.9	26	3.2	67	--	36
DEC 21...	120	K190	58	18	3.2	10	2.1	47	--	17
FEB 1994										
01...	--	310	59	17	4.1	15	2.4	47	--	22
23...	--	600	93	25	7.3	28	2.6	60	--	46
MAR 22...	--	K100	87	25	5.9	25	2.2	59	--	44
APR 18...	K100	K40	120	32	9.1	32	2.8	92	--	47
MAY 19...	K53	K130	99	28	7.1	25	2.5	60	--	44
JUN 21...	540	K50	100	28	8.4	31	2.6	72	--	45
JUL 25...	K47	K27	120	34	9.6	42	2.8	74	--	62
AUG 30...	220	K87	160	45	12	45	3.1	118	--	59
SEP 27...	K19	K10	210	56	16	56	4.0	166	--	68

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 1993										
21...	46	0.2	2.9	256	240	23	--	<0.01	0.05	0.05
NOV 17...	29	0.1	--	187	166	150	0.02	--	0.25	--
DEC 21...	13	<0.1	--	102	91	280	0.03	--	0.16	--
FEB 1994										
01...	19	<0.1	--	127	108	90	0.02	--	0.16	--
23...	41	<0.1	6.4	212	194	84	--	<0.01	0.12	0.12
MAR 22...	37	<0.1	--	193	174	140	0.02	--	0.16	--
APR 18...	41	0.1	1.9	244	178	84	--	0.01	0.06	0.05
MAY 19...	38	0.1	--	191	181	190	0.03	--	0.29	--
JUN 21...	42	0.1	--	217	200	58	0.02	--	0.26	--
JUL 25...	60	0.2	--	284	255	130	0.02	--	0.21	--
AUG 30...	60	0.2	6.0	321	302	21	--	0.01	0.11	0.11
SEP 27...	74	0.2	--	384	374	20	0.01	--	0.17	--

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

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

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1993									
21...	--	0.01	0.3	0.35	0.03	<0.01	--	0.02	5.4
NOV									
17...	0.06	--	0.60	0.85	0.10	--	0.10	--	9.1
DEC									
21...	0.06	--	0.53	0.69	0.17	--	0.09	--	7.7
FEB 1994									
01...	0.06	--	0.53	0.69	0.08	--	0.10	--	11
23...	--	0.05	0.5	0.62	0.12	0.04	--	0.02	10
MAR									
22...	0.05	--	0.60	0.76	0.13	--	0.06	--	8.9
APR									
18...	--	0.03	0.4	0.46	0.07	0.01	--	0.01	9.7
MAY									
19...	0.07	--	0.83	1.1	0.21	--	0.11	--	9.2
JUN									
21...	0.04	--	0.52	0.78	0.10	--	0.08	--	7.6
JUL									
25...	0.05	--	0.64	0.85	0.12	--	0.10	--	6.3
AUG									
30...	--	0.03	0.4	0.51	0.06	0.02	--	0.02	5.9
SEP									
27...	0.03	--	0.51	0.68	0.08	--	0.05	--	7.0

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)
OCT 1993									
21...	30	1	81	<1	<1	2	<3	6	500
FEB 1994									
01...	--	3	--	<1	<1	3	--	6	3300
23...	170	--	78	--	--	--	<3	--	--
APR									
18...	40	2	84	<1	<1	2	<3	4	1800
JUL									
25...	--	2	--	<1	<1	5	--	3	2600
AUG									
30...	<10	--	97	--	--	--	<3	--	--

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 1993									
21...	19	3	<4	92	2	<0.1	<10	2	2
FEB 1994									
01...	--	6	--	120	--	0.1	--	6	--
23...	150	--	6	--	13	--	<10	--	2
APR									
18...	110	3	4	130	5	<0.1	<10	4	1
JUL									
25...	--	4	--	170	--	<0.1	--	4	--
AUG									
30...	<3	--	<4	--	1	--	<10	--	<1

< 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 1993 TO SEPTEMBER 1994

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRONTIUM, DIS- SOLVED (UG/L AS SR)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVIMETRIC (MG/L)
OCT 1993									
21...	<1	<1	<1	300	<6	10	<0.01	1	<1
FEB 1994									
01...	<1	--	--	--	--	20	<0.01	3	<1
23...	--	<1	<1	230	<6	--	--	--	--
APR									
18...	<1	<1	<1	300	<6	20	<0.01	<1	<1
JUL									
25...	<1	--	--	--	--	20	<0.01	6	<1
AUG									
30...	--	<1	<1	380	<6	--	--	--	--

DATE	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)
OCT 1993				
21...	<1.0	0.02	0.06	0.67
APR				
18...	<1.0	0.02	0.06	0.75

DATE	CHLOR- PYRIFOS TOTAL RECOVER (UG/L)	DI- SYSTON TOTAL (UG/L)	PHORATE TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	DEF TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	LINDANE TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
OCT 1993											
21...	--	--	--	<0.05	--	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01
DEC											
21...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
MAR											
22...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
APR											
18...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
JUN											
21...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
AUG											
30...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01

DATE	DDT, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	PCB, TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)
OCT 1993											
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.01	<0.01	<0.1	<0.01
DEC											
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	<0.01
MAR											
22...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	<0.01
APR											
18...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	<0.01
JUN											
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	<0.01
AUG											
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	<0.01

< 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 1993 TO SEPTEMBER 1994

DATE	PARA- THION, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	MIREX, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L)
OCT 1993											
21...	<0.01	<0.01	<0.01	<0.5	<0.5	<0.01	<0.5	<0.01	<0.01	<0.5	--
DEC											
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
MAR											
22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
APR											
18...	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
JUN											
21...	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01
AUG											
30...	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
APR 1994		
18...	104	94
AUG		
30...	18	96

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

RED RIVER BASIN

07355600 RED RIVER AT MONCLA, LA (CE 04657)

LOCATION.--Lat 31°12'10", long 92°08'30", T.3 N., R.3 W., Avoyelles Parish, Hydrologic Unit 08040301, near center of span on downstream side of bridge on State Highway 115, 1.4 mi west of Moncla, and at mile 74.0.

DRAINAGE AREA.--67,625 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1971, 1973, 1984, 1986 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	
OCT 1993											
26...	0855	279	8.24	19.0	40	190	7.0	38	2.6	K280	
NOV											
17...	0925	312	7.18	--	40	45	10.4	36	1.6	2100	
DEC											
21...	0845	197	7.21	10.0	80	85	11.4	26	2.6	1300	
JAN 1994											
27...	1245	340	7.63	15.5	50	65	11.2	--	--	6100	
FEB											
23...	1045	272	7.28	13.0	--	--	10.4	25	1.5	2200	
MAR											
22...	0900	304	7.57	16.0	--	--	10.6	24	1.6	K630	
APR											
19...	1350	419	7.23	20.5	30	35	8.3	24	1.6	K120	
MAY											
19...	1100	329	7.31	--	--	--	7.4	41	1.2	K330	
JUN											
21...	0900	530	7.67	29.0	10	17	6.7	23	0.1	--	
JUL											
22...	1010	681	7.44	29.0	320	6	5.4	27	0.4	--	
AUG											
30...	1415	444	7.48	30.0	10	18	5.5	12	0.7	K57	
SEP											
27...	1210	754	7.73	26.0	30	3	5.4	24	0.8	3800	
DATE		COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 1993											
26...	K210	--	90	26	6.1	18	2.4	73	27	21	
NOV											
17...	410	820	90	26	6.0	27	3.2	64	40	32	
DEC											
21...	230	K93	59	18	3.5	12	2.2	48	20	16	
JAN 1994											
27...	K1600	2200	95	27	6.8	28	2.7	63	46	37	
FEB											
23...	--	K350	83	23	6.1	22	2.6	63	33	29	
MAR											
22...	--	K20	82	24	5.4	23	2.1	57	--	--	
APR											
19...	K25	K10	120	33	9.2	34	2.9	92	48	43	
MAY											
19...	130	360	99	28	7.0	24	2.7	60	43	36	
JUN											
21...	280	K23	140	37	11	45	2.9	84	69	66	
JUL											
22...	--	--	170	47	13	62	3.2	75	97	93	
AUG											
30...	K10	K7	130	35	9.6	38	3.1	92	49	49	
SEP											
27...	K8	K5	210	56	17	68	4.0	152	89	96	

< 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

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	FLUORIDE, DIS- SOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1993										
26...	0.1	168	356	0.14	0.34	0.75	1.1	0.36	0.32	11
NOV										
17...	0.1	185	70	0.02	0.24	0.44	0.68	0.12	0.08	9.0
DEC										
21...	<0.1	113	250	0.03	0.16	0.58	0.74	0.21	0.10	8.3
JAN 1994										
27...	0.1	214	270	0.01	0.20	0.64	0.84	0.04	0.05	--
FEB										
23...	<0.1	162	106	0.01	0.09	0.62	0.71	0.14	0.07	11
MAR										
22...	<0.1	183	110	0.02	0.13	0.62	0.75	0.13	0.06	9.8
APR										
19...	0.1	243	82	0.01	0.05	0.68	0.73	0.11	0.06	9.9
MAY										
19...	0.1	193	240	0.03	0.91	0.78	1.7	0.18	0.11	9.3
JUN										
21...	0.2	297	40	0.01	0.23	0.47	0.70	0.09	0.06	7.2
JUL										
22...	0.2	422	238	0.02	0.41	0.73	1.1	0.14	0.12	6.0
AUG										
30...	0.2	242	22	0.01	0.16	0.45	0.61	0.07	0.07	6.1
SEP										
27...	0.2	432	28	0.03	0.25	0.41	0.66	0.08	0.06	5.9

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 1993								
26...	6	<1	<1	13	14	11000	15	560
JAN 1994								
27...	2	<1	<1	2	5	2100	7	120
APR								
19...	1	<1	<1	2	3	1500	5	110
JUL								
22...	2	<1	<1	6	13	3700	4	270

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1993							
26...	0.1	14	<1	30	<0.01	<1	19
JAN 1994							
27...	0.1	5	<1	10	<0.01	--	<1
APR							
19...	<0.1	4	<1	9	<0.01	<1	<1
JUL							
22...	--	6	<1	20	<0.01	<1	<1

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

RED RIVER BASIN

07355603 RED RIVER (ABOVE LOCK AND DAM 1) NEAR VICK, LA

LOCATION.--Lat 31°15'01", long 91°56'17", in SW 1/4 sec. 11, T. 3 N., R. 5 E., Avoyelles Parish, Hydrologic Unit 08040301, near right bank, 10.1 mi east of Vick, and at mile 50.0.

DRAINAGE AREA.--67,700 mi², approximately, 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 upstream side of lock. All dissolved constituents are results from water that has been filtered through 0.45 micron filters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN	OXYGEN	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	
			WATER WHOLE FIELD (STAND- ARD UNITS)					DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)		
OCT 1993											
26...	1035	286	8.19	19.5	40	190	7.0	38	2.8	K340	
NOV 17...	1100	332	7.34	16.0	40	40	10.8	31	1.6	1100	
DEC 21...	1000	205	7.10	10.5	60	85	11.4	20	2.7	1200	
JAN 1994											
27...	1015	327	7.65	12.5	40	60	10.6	23	--	3600	
FEB 23...	1215	263	7.31	13.0	--	--	10.1	20	1.0	2700	
MAR 22...	1100	291	7.75	17.0	--	--	10.6	23	1.4	K370	
APR 19...	1150	426	7.14	21.0	30	24	8.9	21	2.0	K140	
MAY 19...	1150	332	7.55	--	--	--	7.4	38	1.2	2200	
JUN 21...	1030	575	7.57	29.0	10	23	7.0	22	0.2	K700	
JUL 22...	1145	730	7.53	28.0	--	--	5.5	17	0.8	--	
AUG 30...	1240	402	7.44	33.0	15	27	5.3	22	0.3	K29	
SEP 27...	1330	819	7.80	26.5	20	2.5	7.3	28	2.1	K35	
DATE		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 1993											
26...	210	--	90	26	6.1	18	2.4	77	28	22	
NOV 17...	490	900	94	27	6.4	29	3.2	71	43	35	
DEC 21...	200	K93	60	18	3.6	13	2.2	48	21	17	
JAN 1994											
27...	480	800	92	26	6.6	26	2.6	61	42	35	
FEB 23...	--	K200	74	21	5.3	19	2.5	56	27	24	
MAR 22...	--	K10	82	24	5.4	23	2.1	57	41	34	
APR 19...	K18	K20	120	33	9.7	34	2.9	93	50	45	
MAY 19...	K67	420	95	27	6.8	23	2.7	60	40	34	
JUN 21...	210	K40	150	39	12	50	2.9	79	77	72	
JUL 22...	--	--	190	51	15	68	3.3	104	110	100	
AUG 30...	K10	K13	120	32	9.0	33	3.1	87	43	42	
SEP 27...	<2	<2	220	58	18	74	4.0	143	100	110	

< 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

07355603 RED RIVER (ABOVE LOCK AND DAM 1) NEAR VICK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	FLUORIDE, DIS- SOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1993										
26...	0.1	185	106	0.16	0.36	0.60	0.96	0.14	0.08	12
NOV										
17...	0.1	189	130	0.02	0.24	0.51	0.75	0.10	0.09	8.4
DEC										
21...	<0.1	126	110	0.03	0.16	0.56	0.72	0.25	0.13	8.0
JAN 1994										
27...	0.1	190	70	0.01	0.21	0.70	0.91	0.04	0.06	8.6
FEB										
23...	<0.1	140	58	0.01	0.09	0.58	0.67	0.10	0.06	11
MAR										
22...	<0.1	184	120	0.02	0.18	0.59	0.77	0.13	0.06	8.9
APR										
19...	0.1	254	28	0.01	<0.02	0.64	0.64	0.08	0.06	9.9
MAY										
19...	0.1	183	250	0.03	0.31	0.77	1.1	0.16	0.11	9.0
JUN										
21...	0.2	320	44	0.01	0.22	0.54	0.76	0.08	0.06	7.1
JUL										
22...	0.2	434	234	0.02	0.46	0.80	1.3	0.16	0.13	6.6
AUG										
30...	0.2	243	22	0.01	0.34	0.50	0.84	0.10	0.09	6.3
SEP										
27...	0.2	466	34	0.02	0.26	0.41	0.67	--	0.05	6.4

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 1993								
26...	6	<1	<1	13	13	12000	12	600
JAN 1994								
27...	2	<1	<1	3	5	2400	3	100
APR								
19...	1	<1	--	--	--	--	--	--
JUL								
22...	3	<1	<1	8	6	4600	5	340

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1993							
26...	0.1	14	<1	40	<0.01	<1	17
JAN 1994							
27...	0.1	5	<1	10	<0.01	--	<1
APR							
19...	--	--	<1	--	<0.01	<1	<1
JUL							
22...	--	7	<1	20	<0.01	<1	<1

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

RED RIVER BASIN

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

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

DRAINAGE AREA.—10,787 mi².

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

REVISED RECORDS.—WDR LA-75-1: 1974.

GAGE.—Water-stage recorder. 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 for Ouachita River at Sterlington (station 07364535) used as auxiliary gage for this station. Prior to Oct. 1, 1980, water-stage recorder for Ouachita River at Alabama Landing near Haile (station 07364103) was used as auxiliary gage for this station.

REMARKS.—Estimated daily discharges. Indefinite stage-discharge relationship: Oct. 28, Apr. 29 to May 5, June 18-23. Records fair. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Several measurements of water temperature were made during the year.

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

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

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 30.94 ft, Mar. 14; minimum daily discharge, 1,360 ft³/s, July 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1500	4670	18900					e6000	4200	3200	14100	3070
2	1610	6330	18300					e5200	4510	2510	11700	3070
3	1890	7090	17800					e6000	3610	2350	9480	6140
4	1430	6830	18500					e8000	3230	3190	7220	7220
5	1980	4880						e9700	2950	2190	6670	4580
6	1790	3530						12400	2640	1690	5950	3500
7	1600	2260						13100	2040	1950	5730	3660
8	1520	2100						12600	2120	2930	5520	2910
9	1490	3560						12000	2740	3000	4240	3470
10	1440	3320						11400	2540	2800	4970	3390
11	1460	3760						10800	2380	1360	5370	3990
12	1520	4020						9740	2500	1730	4300	4170
13	1980	3360						8120	3020	1610	3070	3110
14	1760	4440						7800	3760	2610	4220	3470
15	1490	5400						9950	3840	2990	3720	3710
16	1560	7270						12900	3810	5390	3830	3890
17	1650	11500						14900	4300	9350	2040	4010
18	1580	14400						15900	e4000	11500	2630	5380
19	1870	16200						16000	e3800	12700	2820	4550
20	2720	17900						15000	e3400	13500	4030	3510
21	4010	19000						13200	e3150	14000	5600	1810
22	4740							11700	e2600	14500	5120	1940
23	4630							9800	e2300	14400	4080	1820
24	5260							8150	2120	14500	2060	1940
25	e6800							6250	2110	15200	2320	1890
26	e9000							4880	2040	15800	3260	1740
27	e9800							4500	1850	16000	4520	1370
28	e10300							4610	1690	16000	4490	1370
29	8390						e11000	5880	1950	16000	3930	1830
30	5120						e8000	4250	2090	16100	2560	2640
31	3650							3260		15600	2640	
TOTAL	105540							293990	87290	256650	152190	99150
MEAN	3405							9484	2910	8279	4909	3305
MAX	10300							16000	4510	16100	14100	7220
MIN	1430							3260	1690	1360	2040	1370

e Estimated

RED RIVER BASIN

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.22	10.47	18.84	25.38	24.01	28.80	26.90	15.72	10.60	9.89	17.01	9.81
2	8.30	11.53	18.47	24.93	24.86	28.92	26.82	14.88	10.87	9.37	15.67	9.78
3	8.55	12.01	18.21	24.48	25.59	29.10	26.75	14.69	10.22	9.21	14.32	11.90
4	8.16	11.87	18.61	23.99	26.20	29.28	26.69	14.10	9.91	9.88	12.90	12.66
5	8.58	10.63	19.41	23.49	26.49	29.48	26.62	14.98	9.70	9.09	12.44	10.95
6	8.46	9.70	20.05	23.02	26.78	29.65	26.52	16.00	9.49	8.67	11.93	10.10
7	8.29	8.79	20.37	22.54	27.25	29.80	26.34	16.39	9.00	8.88	11.74	10.24
8	8.24	8.67	20.76	22.04	27.64	29.94	26.14	16.14	9.03	9.70	11.60	9.66
9	8.21	9.71	21.16	21.55	27.97	30.28	25.89	15.78	9.55	9.75	10.72	10.06
10	8.16	9.56	21.59	21.09	28.17	30.55	25.60	15.43	9.39	9.59	11.16	10.03
11	8.17	9.86	21.96	20.66	28.63	30.73	25.25	15.02	9.29	8.37	11.47	10.46
12	8.21	10.04	22.33	19.98	29.08	30.85	24.97	14.38	9.35	8.72	10.74	10.60
13	8.59	9.60	22.81	19.39	29.29	30.90	24.63	13.36	9.76	8.61	9.81	9.81
14	8.45	10.33	23.22	19.35	29.43	30.92	24.30	13.10	10.33	9.47	10.63	10.06
15	8.22	10.99	23.89	19.28	29.52	30.90	24.08	14.41	10.40	9.75	10.30	10.25
16	8.29	12.13	24.87	19.18	29.59	30.83	23.98	16.21	10.37	11.42	10.38	10.40
17	8.37	14.69	25.83	19.43	29.65	30.74	23.86	17.43	10.71	14.01	9.00	10.46
18	8.32	16.32	26.60	19.42	29.68	30.60	23.71	18.01	10.23	15.38	9.47	11.42
19	8.55	17.35	27.16	19.58	29.67	30.43	23.52	18.08	9.78	16.11	9.59	10.87
20	9.16	18.27	27.56	20.00	29.62	30.24	23.24	17.53	9.67	16.63	10.50	10.13
21	10.04	18.90	27.79	20.24	29.51	30.00	22.89	16.52	9.04	16.89	11.60	8.81
22	10.64	19.40	27.90	20.47	29.36	29.73	22.49	15.70	9.07	17.18	11.29	8.89
23	10.79	19.78	27.89	20.66	29.22	29.40	22.07	14.55	8.63	17.11	10.57	8.84
24	11.33	20.00	27.80	20.77	29.09	29.02	21.66	13.50	9.07	17.22	9.02	8.93
25	—	20.08	27.65	20.75	28.95	28.59	21.23	12.24	9.05	17.60	9.17	8.91
26	—	20.05	27.43	20.63	28.89	28.19	20.80	11.22	8.98	17.99	9.94	8.74
27	—	19.70	27.17	20.79	28.81	27.89	20.18	10.89	8.88	18.09	10.86	8.43
28	15.64	19.26	26.88	21.36	28.78	27.65	19.36	10.94	8.68	18.08	10.85	8.42
29	12.98	19.14	26.54	22.08	—	27.38	18.57	11.79	8.91	18.09	10.46	8.84
30	10.88	19.09	26.18	22.66	—	27.16	17.63	10.73	9.00	18.16	9.43	9.48
31	9.81	—	25.79	23.22	—	27.00	—	9.97	—	17.85	9.44	—
MAX	—	20.08	27.90	25.38	29.68	30.92	26.90	18.08	10.87	18.16	17.01	12.66
MIN	—	8.67	18.21	19.18	24.01	27.00	17.63	9.97	8.63	8.37	9.00	8.42

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.—No estimated daily discharges. Records good. No auxiliary gage height, Oct. 1-5. 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.—37 years, 1,362 ft³/s, 986,800 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, 6,480 ft³/s, Feb. 18, gage height 26.34 ft; maximum gage height, 26.35 ft, Feb. 17; minimum discharge, 95 ft³/s, July 7; minimum gage height, 1.86 ft, Oct. 25, 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	372	140	553	1990	4400	5500	3130	589	409	155	1010	201
2	349	152	587	1880	4960	5420	3000	512	413	146	1000	185
3	314	170	609	1750	5340	5280	2880	519	421	133	983	175
4	277	192	641	1680	5560	5160	2750	493	404	114	963	169
5	243	207	725	1590	5760	5110	2600	468	365	105	925	166
6	212	211	896	1480	5870	5070	2470	449	369	100	881	166
7	188	210	1110	1420	5910	5010	2320	440	369	97	847	168
8	171	203	1300	1360	5890	4980	2170	432	336	100	803	169
9	159	192	1450	1290	5980	4950	2020	415	302	100	756	168
10	149	177	1570	1220	6270	4950	1880	398	302	115	721	165
11	139	159	1660	1180	6290	5130	1760	381	320	129	681	161
12	131	146	1710	1170	6200	5060	1680	372	325	133	646	158
13	129	140	1730	1120	6160	5090	1590	376	315	139	608	155
14	128	166	1770	1060	6180	5070	1510	392	287	157	580	155
15	124	269	1810	1000	6210	5040	1500	410	264	179	550	156
16	116	309	1870	938	6250	5050	1660	435	245	226	518	160
17	108	410	1950	955	6200	5050	1730	508	234	322	489	168
18	103	538	2030	988	6220	4930	1700	609	224	424	461	171
19	101	671	2130	1030	6140	4890	1650	679	217	493	441	173
20	104	768	2260	1100	6060	4770	1600	693	204	558	425	174
21	105	809	2380	1210	6000	4650	1540	682	241	605	419	174
22	105	798	2450	1310	6010	4540	1470	650	240	644	403	174
23	102	753	2510	1400	5980	4390	1390	610	224	698	384	175
24	99	697	2550	1470	5660	4250	1290	574	240	725	362	174
25	97	651	2550	1510	5680	4100	1180	539	257	715	344	174
26	97	608	2560	1570	5710	3920	1070	505	241	701	324	172
27	99	563	2530	1730	5590	3890	959	487	214	783	306	170
28	104	541	2470	2070	5420	3790	853	466	188	843	289	168
29	112	536	2370	2380	—	3630	749	444	171	900	262	169
30	124	543	2200	2910	—	3430	668	424	164	959	237	170
31	132	—	2080	3700	—	3310	—	416	—	1000	219	—
TOTAL	4793	11929	55011	47461	163900	145410	52769	15367	8505	12498	17837	5083
MEAN	155	398	1775	1531	5854	4691	1759	496	283	403	575	169
MAX	372	809	2560	3700	6290	5500	3130	693	421	1000	1010	201
MIN	97	140	553	938	4400	3310	668	372	164	97	219	155
AC-FT	9510	23660	109100	94140	325100	288400	104700	30480	16870	24790	35380	10080
CAL YR 1993	TOTAL 368535			MEAN 1010		MAX 4000		MIN 55		AC-FT 731000		
WTR YR 1994	TOTAL 540563			MEAN 1481		MAX 6290		MIN 97		AC-FT 1072000		

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA—Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.07	2.61	6.94	14.34	22.33	25.19	19.63	7.65	5.62	2.95	9.74	3.29
2	4.88	2.79	7.19	13.96	23.35	25.12	19.25	7.04	5.65	2.81	9.70	3.12
3	4.57	3.06	7.32	13.57	24.03	24.97	18.80	7.03	5.72	2.60	9.60	3.00
4	4.23	3.34	7.47	13.15	24.44	24.81	18.31	6.88	5.66	2.28	9.49	2.91
5	3.88	3.50	7.82	12.69	24.75	24.66	17.79	6.58	5.44	2.13	9.28	2.86
6	3.56	3.55	8.68	12.27	24.91	24.51	17.25	6.34	5.37	2.02	9.03	2.87
7	3.29	3.54	9.81	11.94	25.00	24.36	16.60	6.18	5.31	1.98	8.77	2.90
8	3.07	3.47	10.82	11.62	25.06	24.22	15.92	6.06	5.15	2.01	8.48	2.90
9	2.89	3.34	11.60	11.27	25.14	24.48	15.27	5.85	4.97	2.01	8.14	2.90
10	2.74	3.15	12.18	10.92	25.61	24.57	14.65	5.58	4.93	2.27	7.83	2.85
11	2.59	2.89	12.59	10.75	25.91	24.50	14.06	5.32	4.92	2.49	7.52	2.78
12	2.45	2.70	12.86	10.75	26.03	24.43	13.70	5.19	4.87	2.55	7.21	2.75
13	2.42	2.61	13.06	10.47	26.15	24.36	13.29	5.22	4.78	2.64	6.93	2.70
14	2.41	2.97	13.20	10.13	26.24	24.29	12.84	5.35	4.66	2.91	6.70	2.70
15	2.35	4.14	13.33	9.77	26.30	24.21	12.65	5.53	4.54	3.21	6.45	2.71
16	2.20	4.52	13.50	9.40	26.33	24.11	13.25	5.80	4.44	3.73	6.20	2.78
17	2.07	5.40	13.72	9.55	26.34	23.96	13.59	6.33	4.36	4.64	5.96	2.89
18	1.98	6.47	14.01	9.71	26.32	23.79	13.76	7.05	4.26	5.59	5.69	2.94
19	1.94	7.47	14.34	9.87	26.29	23.60	13.83	7.58	4.14	6.19	5.53	2.97
20	1.99	8.21	14.68	10.36	26.23	23.36	13.72	7.74	4.00	6.69	5.39	2.98
21	2.01	8.58	15.00	10.91	26.16	23.10	13.45	7.70	4.13	7.05	5.34	2.98
22	2.01	8.63	15.26	11.43	26.10	22.80	13.05	7.53	4.06	7.34	5.20	2.98
23	1.96	8.45	15.46	11.87	26.04	22.49	12.54	7.27	3.88	7.68	5.03	2.99
24	1.91	8.17	15.59	12.21	25.91	22.16	11.96	7.00	3.98	7.87	4.85	2.98
25	1.87	7.83	15.64	12.51	25.76	21.80	11.33	6.73	4.14	7.84	4.70	2.98
26	1.86	7.37	15.63	12.77	25.60	21.40	10.72	6.44	3.98	7.75	4.52	2.96
27	1.90	6.92	15.54	13.67	25.42	21.22	10.08	6.25	3.71	8.38	4.36	2.92
28	1.99	6.68	15.43	15.25	25.21	21.13	9.42	6.06	3.41	8.73	4.20	2.90
29	2.14	6.60	15.27	16.65	—	20.77	8.75	5.83	3.19	9.01	3.94	2.91
30	2.35	6.63	15.00	18.85	—	20.37	8.19	5.64	3.09	9.35	3.69	2.92
31	2.47	—	14.67	20.91	—	20.01	—	5.68	—	9.62	3.50	—
MAX	5.07	8.63	15.64	20.91	26.34	25.19	19.63	7.74	5.72	9.62	9.74	3.29
MIN	1.86	2.61	6.94	9.40	22.33	20.01	8.19	5.19	3.09	1.98	3.50	2.70

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.

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

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 10.73 ft, Feb. 12; minimum, 8.63 ft, Oct. 13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.69	8.70	9.24	9.32	10.02	10.06	9.56	9.44	9.40	9.25	9.40	9.25
2	8.68	8.69	9.24	9.33	9.93	10.28	9.53	9.41	9.38	9.23	9.37	9.23
3	8.70	8.73	9.28	9.38	9.85	10.26	9.53	9.64	9.37	9.22	9.34	9.21
4	8.69	8.75	9.35	9.36	9.79	10.19	9.49	9.70	9.35	9.21	9.34	9.20
5	8.68	8.76	9.34	9.34	9.77	10.11	9.51	9.67	9.35	9.19	9.32	9.18
6	8.67	8.75	9.34	9.36	9.74	10.03	9.54	9.64	9.39	9.17	9.30	9.18
7	8.66	8.72	9.33	9.38	9.69	9.97	9.49	9.61	9.53	9.15	9.28	9.16
8	8.65	8.71	9.33	9.35	9.66	9.90	9.48	9.58	9.51	9.12	9.27	9.14
9	8.70	8.71	9.32	9.34	9.68	9.99	9.46	9.56	9.47	9.10	9.27	9.13
10	8.68	8.71	9.33	9.33	10.14	10.05	9.46	9.54	9.45	9.08	9.28	9.10
11	8.66	8.70	9.32	9.39	10.62	10.01	9.46	9.52	9.44	9.07	9.26	9.10
12	8.65	8.71	9.30	9.43	10.71	9.95	9.74	9.50	9.43	9.09	9.25	9.08
13	8.68	8.72	9.37	9.44	10.68	9.91	9.80	9.48	9.42	9.09	9.23	9.07
14	8.70	8.83	9.41	9.43	10.55	9.86	9.77	9.56	9.39	9.12	9.23	9.05
15	8.71	8.94	9.37	9.42	10.40	9.82	9.84	9.62	9.37	9.16	9.20	9.04
16	8.70	9.03	9.36	9.40	10.27	9.77	10.01	9.66	9.34	9.16	9.18	9.04
17	8.70	9.19	9.36	9.53	10.15	9.73	9.95	9.69	9.33	9.15	9.16	9.04
18	8.70	9.21	9.37	9.54	10.05	9.70	9.88	9.68	9.31	9.14	9.14	9.02
19	8.71	9.23	9.34	9.52	9.97	9.67	9.81	9.64	9.30	9.17	9.14	8.99
20	8.75	9.23	9.37	9.51	9.94	9.65	9.75	9.59	9.33	9.16	9.22	8.98
21	8.79	9.23	9.37	9.50	9.94	9.63	9.70	9.56	9.38	9.14	9.31	8.96
22	8.78	9.23	9.36	9.47	10.02	9.59	9.66	9.53	9.38	9.59	9.33	8.96
23	8.77	9.23	9.35	9.48	10.16	9.58	9.61	9.50	9.35	9.90	9.32	8.92
24	8.76	9.24	9.35	9.47	10.13	9.57	9.57	9.47	9.34	9.83	9.30	8.90
25	8.75	9.26	9.34	9.46	10.07	9.54	9.54	9.44	9.31	9.75	9.30	8.87
26	8.75	9.26	9.31	9.47	9.99	9.52	9.52	9.42	9.29	9.68	9.31	8.86
27	8.75	9.25	9.30	9.97	9.92	9.57	9.50	9.39	9.26	9.63	9.33	8.84
28	8.73	9.25	9.31	10.37	9.86	9.65	9.48	9.37	9.24	9.56	9.32	8.83
29	8.73	9.25	9.32	10.35	—	9.62	9.46	9.37	9.22	9.50	9.30	8.82
30	8.77	9.24	9.31	10.24	—	9.61	9.49	9.39	9.21	9.46	9.29	8.81
31	8.73	—	9.30	10.12	—	9.58	—	9.41	—	9.43	9.26	—
MAX	8.79	9.26	9.41	10.37	10.71	10.28	10.01	9.70	9.53	9.90	9.40	9.25
MIN	8.65	8.69	9.24	9.32	9.66	9.52	9.46	9.37	9.21	9.07	9.14	8.81

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.—No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

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. 29	0900	*4,510	*9.60	Feb. 25	1200	1,340	7.48
Feb. 11	1500	2,000	8.00	Mar. 4	1300	1,320	7.46

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	33	45	53	773	457	611	76	62	23	20	13
2	14	33	43	95	518	818	403	57	106	30	19	12
3	16	31	50	152	358	1080	215	266	103	58	16	13
4	38	31	131	268	229	1280	121	500	59	62	21	13
5	36	30	242	318	232	1080	91	473	42	35	25	11
6	26	29	315	322	278	768	97	380	37	23	28	10
7	20	28	389	291	228	562	91	254	35	16	29	9.6
8	16	25	441	194	176	437	79	108	50	13	26	16
9	14	23	367	127	152	519	75	64	77	10	23	18
10	15	22	161	93	550	803	67	64	55	8.1	19	15
11	16	24	88	85	1810	785	65	57	58	8.3	18	12
12	17	22	75	151	1660	863	238	53	52	9.3	14	10
13	21	22	77	212	1700	817	486	49	51	15	12	8.0
14	60	33	174	280	1710	609	515	76	48	26	11	6.2
15	60	139	222	330	1420	438	478	322	41	51	8.8	5.3
16	44	261	247	340	1040	315	539	647	35	38	8.0	4.7
17	31	364	230	319	762	213	437	764	31	23	7.1	5.1
18	25	456	155	355	564	155	296	576	27	18	6.1	5.0
19	28	460	92	405	422	127	195	391	27	24	7.6	4.5
20	31	391	71	447	319	112	116	162	27	29	24	3.6
21	68	286	77	416	304	103	74	65	26	24	64	2.9
22	102	134	80	294	478	94	89	46	24	31	149	2.8
23	99	68	76	154	876	86	80	38	25	80	168	2.9
24	62	54	69	106	1130	84	53	35	47	146	104	3.3
25	38	52	63	87	1300	80	46	32	79	187	36	4.2
26	29	52	57	139	1050	71	45	30	66	171	23	3.5
27	25	56	51	946	699	91	42	31	41	59	19	3.3
28	22	56	50	4080	478	276	38	37	28	60	18	2.9
29	20	53	53	4340	---	376	35	40	21	49	17	2.3
30	25	49	52	2670	---	425	38	46	18	31	16	2.1
31	35	---	50	1300	---	663	---	54	---	25	14	---
TOTAL	1070	3317	4293	19369	21216	14587	5755	5793	1398	1382.7	970.6	225.2
MEAN	34.5	111	138	625	758	471	192	187	46.6	44.6	31.3	7.51
MAX	102	460	441	4340	1810	1280	611	764	106	187	168	18
MIN	14	22	43	53	152	71	35	30	18	8.1	6.1	2.1
AC-FT	2120	6580	8520	38420	42080	28930	11420	11490	2770	2740	1930	447
CFSM	.17	.53	.67	3.00	3.64	2.26	.92	.90	.22	.21	.15	.04
IN.	.19	.59	.77	3.46	3.79	2.61	1.03	1.04	.25	.25	.17	.04

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1994, BY WATER YEAR (WY)

MEAN	53.6	154	249	311	412	362	411	261	171	80.6	26.9	39.5
MAX	660	977	1112	1140	1255	913	2764	852	1391	985	131	464
(WY)	1985	1958	1983	1974	1975	1973	1991	1991	1974	1989	1971	1974
MIN	.45	10.3	20.7	40.7	58.5	48.3	49.8	11.5	3.40	1.19	1.49	.54
(WY)	1988	1978	1957	1967	1964	1966	1981	1988	1966	1988	1956	1987

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1956 - 1994

ANNUAL TOTAL	81100.34	79376.5	
ANNUAL MEAN	222	217	210
HIGHEST ANNUAL MEAN			502
LOWEST ANNUAL MEAN			52.3
HIGHEST DAILY MEAN	3180	4340	20000
LOWEST DAILY MEAN	.69	2.1	.00
ANNUAL SEVEN-DAY MINIMUM	1.0	3.1	.00
INSTANTANEOUS PEAK FLOW		4510	24000
INSTANTANEOUS PEAK STAGE		9.60	17.54
INSTANTANEOUS LOW FLOW		1.9	No flow at times
INSTANTANEOUS LOW STAGE		2.31	1956, 1964, 1988
ANNUAL RUNOFF (AC-FT)	160900	157400	151800
ANNUAL RUNOFF (CFSM)	1.07	1.05	1.01
ANNUAL RUNOFF (INCHES)	14.50	14.20	13.69
10 PERCENT EXCEEDS	536	543	535
50 PERCENT EXCEEDS	69	59	51
90 PERCENT EXCEEDS	4.8	13	4.5

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	3.32	3.51	3.75	6.79	6.09	6.44	4.01	3.63	2.90	2.91	2.61
2	2.70	3.32	3.47	4.31	6.29	6.85	5.89	3.72	4.17	3.16	2.86	2.57
3	2.78	3.24	3.61	4.81	5.86	7.21	5.11	5.20	4.13	3.83	2.78	2.60
4	3.43	3.23	4.54	5.45	5.37	7.43	4.47	6.18	3.58	3.92	2.92	2.57
5	3.38	3.21	5.27	5.66	5.38	7.21	4.19	6.10	3.24	3.35	3.05	2.50
6	3.09	3.18	5.58	5.68	5.59	6.77	4.25	5.81	3.13	2.98	3.16	2.46
7	2.89	3.14	5.85	5.56	5.37	6.36	4.19	5.28	3.08	2.78	3.19	2.43
8	2.77	3.07	6.02	5.10	5.11	6.04	4.05	4.29	3.38	2.63	3.10	2.69
9	2.71	2.98	5.77	4.63	4.94	6.24	4.01	3.78	3.84	2.52	3.00	2.79
10	2.75	2.95	4.76	4.31	6.20	6.84	3.90	3.77	3.51	2.42	2.87	2.69
11	2.78	3.03	4.18	4.23	7.86	6.81	3.87	3.64	3.56	2.43	2.85	2.59
12	2.80	2.95	4.03	4.82	7.75	6.94	5.13	3.55	3.45	2.48	2.69	2.53
13	2.93	2.96	4.04	5.20	7.78	6.86	6.14	3.46	3.43	2.72	2.60	2.45
14	3.86	3.26	4.88	5.51	7.79	6.46	6.22	3.82	3.37	3.08	2.54	2.37
15	3.89	4.67	5.17	5.70	7.55	6.05	6.12	5.47	3.22	3.71	2.46	2.34
16	3.58	5.39	5.29	5.74	7.17	5.64	6.28	6.47	3.07	3.43	2.42	2.32
17	3.23	5.79	5.21	5.66	6.78	5.20	6.00	6.74	2.95	3.00	2.37	2.38
18	3.05	6.06	4.76	5.79	6.40	4.86	5.50	6.31	2.85	2.84	2.31	2.40
19	3.15	6.07	4.22	5.95	6.05	4.64	5.02	5.76	2.81	3.04	2.39	2.38
20	3.24	5.86	3.99	6.07	5.73	4.50	4.42	4.58	2.81	3.19	3.02	2.32
21	3.98	5.46	4.06	5.99	5.68	4.42	3.99	3.68	2.80	3.01	3.89	2.28
22	4.40	4.58	4.12	5.56	6.18	4.32	4.14	3.34	2.72	3.22	4.81	2.29
23	4.37	3.92	4.07	4.84	6.95	4.24	4.05	3.16	2.77	4.14	4.95	2.33
24	3.92	3.70	3.99	4.44	7.27	4.22	3.66	3.08	3.33	4.79	4.39	2.39
25	3.44	3.66	3.91	4.25	7.45	4.18	3.50	2.98	3.88	5.07	3.36	2.51
26	3.19	3.65	3.80	4.73	7.17	4.07	3.49	2.94	3.74	4.95	2.98	2.47
27	3.06	3.74	3.69	6.78	6.64	4.26	3.42	2.94	3.28	3.86	2.84	2.48
28	2.95	3.74	3.68	9.35	6.15	5.46	3.33	3.13	2.96	3.89	2.81	2.45
29	2.90	3.68	3.74	9.50	—	5.84	3.24	3.20	2.79	3.67	2.77	2.38
30	3.04	3.59	3.72	8.47	—	5.98	3.33	3.32	2.72	3.25	2.72	2.33
31	3.36	—	3.69	7.43	—	6.56	—	3.50	—	3.04	2.64	—
MAX	4.40	6.07	6.02	9.50	7.86	7.43	6.44	6.74	4.17	5.07	4.95	2.79
MIN	2.70	2.95	3.47	3.75	4.94	4.07	3.24	2.94	2.72	2.42	2.31	2.28

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.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 50.38 ft, April 30, 1991.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage since 1925, 45.71 ft, April 30, 1958, (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 42.58 ft, Feb. 13; minimum 36.20 ft, Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.66	39.90	40.09	40.16	42.20	41.41	40.81	40.29	40.23	40.05	40.15	40.14
2	39.66	39.90	40.09	40.17	42.03	41.49	40.80	40.28	40.21	40.03	40.12	40.09
3	39.66	39.93	40.09	40.20	41.81	41.50	40.78	40.41	40.19	40.02	40.10	40.05
4	39.66	39.95	40.18	40.20	41.57	41.50	40.74	40.53	40.17	40.01	40.11	40.02
5	39.66	39.95	40.19	40.22	41.35	41.52	40.72	40.64	40.16	39.99	40.10	40.00
6	39.65	39.93	40.21	40.25	41.15	41.54	40.72	40.68	40.14	39.97	40.09	40.00
7	39.65	39.91	40.22	40.28	41.00	41.51	40.66	40.68	40.13	39.94	40.07	39.99
8	39.64	39.90	40.23	40.28	40.90	41.43	40.62	40.65	40.12	39.92	40.06	39.97
9	39.66	39.90	40.25	40.29	40.83	41.56	40.56	40.61	40.12	39.90	40.03	39.94
10	39.64	39.91	40.28	40.29	41.40	41.68	40.52	40.56	40.12	39.90	40.02	39.93
11	39.63	39.90	40.27	40.35	42.17	41.70	40.48	40.51	40.14	39.89	40.00	39.95
12	39.62	39.90	40.25	40.39	42.48	41.65	40.59	40.46	40.17	39.90	39.99	39.93
13	39.69	39.93	40.29	40.40	42.55	41.59	40.69	40.41	40.19	39.91	39.97	39.92
14	39.85	40.00	40.30	40.39	42.43	41.49	40.76	40.41	40.19	40.00	39.95	39.90
15	39.91	40.06	40.27	40.39	42.30	41.38	40.84	40.47	40.18	40.09	39.93	39.89
16	39.92	40.13	40.27	40.41	42.10	41.27	40.97	40.52	40.17	40.08	39.90	39.88
17	39.93	40.31	40.28	40.56	41.85	41.17	41.04	40.58	40.15	40.04	39.88	39.91
18	39.93	40.36	40.28	40.63	41.73	41.06	41.06	40.63	40.13	40.04	39.86	39.90
19	39.93	40.37	40.27	40.67	41.61	40.95	41.02	40.67	40.12	40.08	39.90	39.88
20	39.95	40.35	40.27	40.66	41.47	40.86	40.95	40.70	40.12	40.05	40.03	39.81
21	39.98	40.34	40.25	40.64	41.31	40.77	40.85	40.70	40.15	40.02	40.09	39.51
22	39.97	40.32	40.24	40.61	41.26	40.67	40.73	40.68	40.21	40.10	40.10	39.20
23	39.97	40.30	40.21	40.58	41.23	40.61	40.63	40.64	40.20	40.20	40.11	38.87
24	39.97	40.27	40.20	40.54	41.24	40.57	40.55	40.56	40.21	40.30	40.14	38.53
25	39.97	40.24	40.17	40.52	41.26	40.51	40.48	40.47	40.20	40.38	40.18	38.19
26	39.97	40.20	40.15	40.54	41.29	40.48	40.44	40.39	40.17	40.40	40.24	37.84
27	39.96	40.16	40.14	40.90	41.33	40.59	40.40	40.33	40.14	40.39	40.31	37.48
28	39.94	40.14	40.16	41.40	41.34	40.83	40.36	40.29	40.10	40.32	40.32	37.12
29	39.94	40.12	40.16	41.70	—	40.91	40.32	40.26	40.08	40.27	40.30	36.76
30	39.96	40.11	40.15	42.03	—	40.91	40.32	40.25	40.05	40.22	40.25	36.39
31	39.91	—	40.14	42.24	—	40.85	—	40.24	—	40.18	40.19	—
MAX	39.98	40.37	40.30	42.24	42.55	41.70	41.06	40.70	40.23	40.40	40.32	40.14
MIN	39.62	39.90	40.09	40.16	40.83	40.48	40.32	40.24	40.05	39.89	39.86	36.39

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, 36.72 ft, March 9; minimum, 30.50 ft, Sept. 14, 15, 16.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.74	30.78	30.61	31.76	31.24	36.41	35.83	31.17	30.82	30.63	—	30.64
2	30.72	30.75	30.61	31.50	31.91	36.44	35.63	31.16	30.80	30.63	—	30.64
3	30.71	30.78	30.63	31.26	32.56	36.33	35.42	31.35	30.77	30.63	—	30.65
4	30.70	30.87	31.00	30.99	33.03	36.24	35.22	31.30	30.74	30.62	—	30.65
5	30.69	30.82	30.83	30.79	33.40	36.29	35.10	31.28	30.71	30.61	—	30.64
6	30.68	30.75	30.73	30.73	33.67	36.34	35.34	31.29	30.70	30.61	—	30.66
7	30.68	30.71	30.68	30.72	33.87	36.39	35.17	31.29	30.69	30.64	—	30.74
8	30.68	30.70	30.65	30.72	34.05	36.43	34.95	31.28	30.71	30.75	30.80	30.73
9	30.68	30.72	30.65	30.76	34.25	36.64	34.70	31.25	30.73	31.03	30.80	30.71
10	30.68	30.73	30.64	30.74	34.85	36.60	34.42	31.04	30.81	30.97	30.73	30.69
11	30.68	30.71	30.63	30.74	35.26	36.44	34.08	30.93	30.87	30.80	30.69	30.66
12	30.69	30.70	30.63	30.78	35.37	36.26	34.08	30.85	30.86	31.03	30.66	30.63
13	30.78	30.70	30.77	30.75	35.44	36.11	33.85	30.80	30.86	31.10	30.65	30.56
14	31.02	31.00	30.85	30.72	35.51	36.21	33.40	30.78	30.86	30.92	30.64	30.51
15	30.84	31.11	30.76	30.69	35.60	36.28	32.98	30.85	30.86	31.08	30.62	30.50
16	30.75	30.89	30.69	30.68	35.68	36.34	32.71	30.85	30.86	31.11	30.61	30.64
17	30.69	31.01	30.67	31.40	35.76	36.39	32.21	30.82	30.88	30.94	30.61	30.79
18	30.66	30.85	30.66	31.12	35.80	36.43	31.79	30.97	30.87	30.85	30.60	30.70
19	30.65	30.75	30.67	30.93	35.84	36.48	31.54	30.91	30.86	30.88	30.61	30.67
20	30.72	30.67	31.02	30.89	35.90	36.52	31.38	30.79	30.83	—	30.70	30.66
21	30.89	30.64	31.50	30.86	35.95	36.55	31.30	30.91	30.82	—	30.91	30.65
22	30.90	30.62	31.86	30.84	36.04	36.57	31.25	30.94	30.89	—	30.98	30.65
23	30.80	30.61	32.15	30.82	36.14	36.54	31.21	30.92	30.86	—	30.81	30.66
24	30.75	30.61	32.35	30.79	36.18	36.52	31.19	30.89	31.10	—	30.73	30.67
25	30.73	30.60	32.49	30.78	36.22	36.50	31.18	30.87	31.07	—	30.70	30.68
26	30.72	30.60	32.51	30.91	36.24	36.47	31.16	30.85	30.85	—	30.68	30.68
27	30.70	30.60	32.49	31.84	36.26	36.49	31.15	30.83	30.73	—	30.66	30.68
28	30.70	30.60	32.44	32.57	36.27	36.50	31.14	30.82	30.67	—	30.64	30.68
29	30.71	30.60	32.35	31.74	—	36.36	31.15	30.80	30.64	—	30.64	30.68
30	30.93	30.61	32.18	31.42	—	36.19	31.15	30.80	30.62	—	30.64	30.68
31	30.86	—	31.96	31.22	—	36.01	—	30.81	—	—	30.64	—
MAX	31.02	31.11	32.51	32.57	36.27	36.64	35.83	31.35	31.10	—	—	30.79
MIN	30.65	30.60	30.61	30.68	31.24	36.01	31.14	30.78	30.62	—	—	30.50

RED RIVER BASIN

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

LOCATION.—Lat 32°10'00", long 92°06'45", on line between NE 1/4 and SE 1/4 sec.25, T.14 N., R.4 E., Caldwell Parish, Hydrologic Unit 08040207, near left bank on upstream end of lock wall of Columbia Lock and Dam on the Ouachita River, 1.0 mi northwest of Riverton, and 4.0 mi northwest of Columbia.

DRAINAGE AREA.—15,630 mi².

PERIOD OF RECORD.—October 1975 to September 1987. October 1987 to current year (elevations only). Gage-height records, April 1972 to December 1975, in reports of Corps of Engineers, Vicksburg District.

REVISED.—WDR LA-81-1: 1981(M).

GAGE.—Water-stage recorder, a broad-crested weir and four radial gates. Datum of gage is sea level. Prior to October 2, 1987, datum of gage was 23.88 ft above sea level (levels by Corps of Engineers). Prior to October 1981 water-stage recorder for Ouachita River at Columbia (station 07367640) used as auxiliary gage for this station.

REMARKS.—Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,880 acre-ft, and a series of navigation locks and dams.

AVERAGE DISCHARGE.—12 years, 17,600 ft³/s, 12,780,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 79,700 ft³/s, Jan. 10, 1983, tailwater elevation, 44.82 ft; minimum daily, 452 ft³/s Oct. 24, 1985.

EXTREMES FOR CURRENT YEAR.—Maximum elevation, 60.31 ft, Mar. 16; minimum elevation 51.54 ft, Jan. 27.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.07	52.20	51.85	51.82	52.00	57.73	56.39	51.84	52.14	52.25	52.16	52.19
2	52.12	52.18	51.86	51.78	52.66	57.88	56.06	51.91	52.14	52.13	52.15	52.15
3	52.19	52.10	51.87	51.77	53.27	57.98	55.73	51.90	52.09	52.15	52.17	52.14
4	52.15	52.16	51.82	51.80	53.75	58.14	55.41	51.81	52.10	52.24	52.17	52.20
5	52.18	52.12	51.87	51.81	54.17	58.28	55.14	51.84	52.13	52.11	52.13	52.12
6	52.15	52.14	51.89	51.88	54.47	58.39	55.14	51.90	52.19	52.07	52.15	52.14
7	52.12	52.11	51.83	51.86	54.62	58.48	54.98	51.90	52.09	52.13	52.16	52.16
8	52.13	52.14	51.83	51.88	54.70	58.52	54.79	51.87	52.09	52.27	52.17	52.09
9	52.17	52.20	51.83	51.87	54.79	58.95	54.56	51.85	52.20	52.23	52.13	52.15
10	52.17	52.19	51.87	51.88	55.14	59.20	54.27	51.82	52.16	52.19	52.19	52.22
11	52.12	52.16	51.86	51.84	55.87	59.43	53.93	51.86	52.12	52.10	52.22	52.20
12	52.10	52.18	51.87	51.85	56.57	59.69	53.73	51.81	52.12	52.14	52.17	52.16
13	52.20	52.19	51.86	51.89	57.31	59.95	53.46	51.86	52.15	52.14	52.10	52.11
14	52.22	52.19	51.88	51.85	57.90	60.14	53.17	51.86	52.19	52.24	52.11	52.14
15	52.20	52.13	51.87	51.94	58.37	60.26	52.89	51.90	52.19	52.14	52.23	52.14
16	52.21	52.16	51.88	51.92	58.71	60.28	52.65	51.93	52.15	52.20	52.19	52.18
17	52.25	52.22	51.84	51.82	58.94	60.21	52.43	51.91	52.19	52.25	52.13	52.18
18	52.22	52.17	51.86	51.99	59.06	60.11	52.29	51.91	52.22	52.21	52.24	52.14
19	52.25	52.19	51.89	51.99	59.08	59.97	52.17	51.86	52.11	52.22	52.15	52.15
20	52.24	52.16	51.88	51.89	59.01	59.80	52.03	51.82	52.14	52.12	52.20	52.14
21	52.16	51.89	51.82	51.84	58.87	59.60	51.87	51.84	52.10	52.16	52.13	52.08
22	52.20	51.96	51.83	51.88	58.69	59.38	51.91	51.84	52.11	52.17	52.14	52.14
23	52.15	51.88	51.88	51.91	58.55	59.12	51.91	51.90	52.10	52.18	52.08	52.12
24	52.22	51.90	51.86	51.86	58.33	58.84	51.91	51.86	52.18	52.18	52.09	52.15
25	52.07	51.84	51.90	51.96	58.11	58.50	51.87	51.84	52.13	52.20	52.13	52.16
26	52.19	51.86	51.87	51.93	57.92	58.14	51.90	51.86	52.13	52.14	52.20	52.13
27	52.19	51.87	51.84	51.74	57.73	57.80	51.82	51.95	52.17	52.20	52.19	52.09
28	52.10	51.91	51.85	51.75	57.58	57.55	51.83	52.05	52.07	52.17	52.12	52.17
29	51.97	51.88	51.86	51.89	—	57.24	51.96	52.07	52.11	52.17	52.19	52.25
30	52.09	51.88	51.84	51.87	—	56.94	51.88	52.06	52.07	52.18	52.12	52.17
31	52.11	—	51.84	51.86	—	56.66	—	52.03	—	52.17	52.19	—
MAX	52.25	52.22	51.90	51.99	59.08	60.28	56.39	52.07	52.22	52.27	52.24	52.25
MIN	51.97	51.84	51.82	51.74	52.00	56.66	51.82	51.81	52.07	52.07	52.08	52.08

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE 1/4 NE 1/4 sec.21, T.23 N., R.10 E., Morehouse - West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi downstream from Arkansas - Louisiana State line, and 7.5 mi southwest of Kilbourne.

DRAINAGE AREA.--785 mi² (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage heights and daily discharges below 200 ft³/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft³/s only). October 1979 to January 1986 (gage heights only). February 1986 to current year (daily gage heights and daily discharges below 3,800 ft³/s only).

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft above sea level (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957 to Oct. 1, 1961, water-stage recorder on left bank 300 ft upstream. Prior to Oct. 1, 1978, datum 2.00 ft higher. May 4, 1959 to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962 to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi downstream from base gage at datum 74.35 ft above sea level.

REMARKS.--No estimated daily discharges. Records fair between 200 and 3,000 ft³/s. No gage height recorded below 2.54 ft. Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow re-enters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, Feb. 11, 1966; maximum gage height, 26.39 ft, present datum, May 5, 1991; no flow at times in 1966, 1974, 1977, 1978, and 1987-94 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, 24.23 ft, Jan. 30; minimum gage height not determined.

MISCELLANEOUS DISCHARGE MEASUREMENT MADE DURING THE YEAR

Date	Discharge (ft ³ /s)	Gage height (ft)
January 31, 1994	13,600	23.93

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	.00	51	300		2250	319	699	1380	.00	553	22
2	13	.00	47	620			194	228	732	.00	226	41
3	.01	.00	718	1280			136	1170	446	.00	133	137
4	.00	.00		1590	1310	3760	81	1310	864	.00	275	193
5	.00	.00		869	1420	1500	267	946	810	.00	384	111
6	.00	.00		554	1150	746	1300	479	501	.00	457	77
7	.00	.00		687	708	506	597	201	281	.00	447	120
8	.00	.00		1370	553	391	225	38	202	.00	434	200
9	.00	.00	2760	776	552		106	.01	544	.00	325	330
10	.00	.00	1070	490			66	327	792	.00	248	231
11	.00	.00	731	668			51	1050	909	214	173	126
12	.00	.00	592	1610		3090	437	517	640	561	138	54
13	.00	.00	507	1460		828	593	181	483	1780	151	17
14	.00		1460	893		517	379	104	309	3480	162	1.0
15	.00		2000	553		384	1090	1080	54	3480	173	.00
16	.00		1050	383		283		1990	.00	2840	102	1.3
17	.00		619	3600	1100	241		1070	.00	3260	47	177
18	.00		463		718	266	1370	377	.00		6.8	229
19	.00		371	3770	502	279	469	68	.00	3590	8.6	58
20	445	1570	303	1090	382	223	207	.00	.00	1780	197	28
21	502	650	291	587	319	163	98	.00	.00	920	612	3.1
22	512	391	280	421	389	106	51	.00	.00	2680	685	.00
23	321	266	241	350	3380	185	11	.00	377	3570	488	.00
24	124	192	185	318		153	.00	.00	653	2450	335	.04
25	36	135	154	323	2880	149	.00	.00	776	1270	206	.00
26	2.5	86	128	1980	1070	175	.00	.00	1040	1140	152	.00
27	.00	67	111		571	968	.00	.00	607		126	.00
28	.00	59	126		448		.00	.00	197		185	.00
29	.00	48	243			3390	.00	.00	1.6		146	.00
30	.00	49	462			1310	218	.00	.00	2420	60	.00
31	.00		316			574		1290		1060	21	
TOTAL	2024.51							13125.01	12598.60		7656.4	2156.44
MEAN	65.3							423	420		247	71.9
MAX	512							1990	1380		685	330
MIN	.00							.00	.00		6.8	.00
CFSM	.08							.54	.53		.31	.09
IN.	.10							.62	.60		.36	.10

RED RIVER BASIN

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.38	4.79	5.16	5.58	23.34	8.27	5.69	6.26	7.02	3.06	5.92	5.05
2	5.22	4.43	5.15	6.06	20.62	12.64	5.52	5.56	5.97	3.08	5.44	5.10
3	5.11	4.35	6.12	7.01	12.62	12.22	5.42	6.89	5.54	3.25	5.30	5.30
4	5.09	4.55	11.66	7.44	7.10	9.96	5.33	7.10	6.18	3.39	5.51	5.39
5	5.07	4.51	14.65	6.43	7.24	7.35	5.59	6.61	6.08	3.53	5.67	5.26
6	5.01	4.78	14.30	5.96	6.89	6.33	7.09	5.93	5.62	3.39	5.77	5.20
7	4.96	4.87	11.78	6.15	6.28	5.97	6.11	5.52	5.30	2.90	5.76	5.28
8	4.95	4.85	10.23	7.14	6.05	5.80	5.56	5.21	5.19	2.72	5.74	5.40
9	4.94	4.81	8.87	6.29	6.04	11.56	5.37	4.98	5.69	2.67	5.58	5.59
10	4.92	4.77	6.71	5.86	15.46	19.17	5.30	5.62	6.05		5.47	5.45
11	4.88	4.77	6.23	6.12	22.22	17.22	5.25	6.75	6.25	4.32	5.36	5.29
12	4.86	4.78	6.02	7.47	22.86	9.24	5.86	5.99	5.83	5.72	5.30	5.14
13	4.87	4.74	5.88	7.27	22.60	6.45	6.11	5.49	5.59	7.28	5.33	5.02
14	5.02	6.39	7.25	6.46	21.51	5.99	5.78	5.37	5.34	9.67	5.35	4.95
15	4.97	13.44	7.98	5.95	18.29	5.79	6.79	6.75	4.85	9.67	5.36	4.94
16	4.93	11.78	6.68	5.70	10.34	5.64	13.98	7.98	4.04	8.56	5.24	4.97
17	4.89	11.12	6.06	9.80	6.83	5.58	10.25	6.78	3.25	9.02	5.12	5.46
18	4.86	12.53	5.81	13.82	6.29	5.62	7.17	5.78	2.72	10.69	4.93	5.56
19	4.90	10.33	5.68	9.97	5.96	5.64	5.92	5.28	2.62	9.36	4.92	5.27
20	5.97	7.40	5.58	6.74	5.78	5.56	5.53	4.79		7.29	5.40	5.18
21	6.05	6.10	5.57	6.01	5.70	5.47	5.36	4.30		6.21	6.01	5.07
22	6.07	5.71	5.55	5.75	5.80	5.38	5.25	3.67	3.01	8.38	6.13	4.97
23	5.79	5.53	5.49	5.65	9.57	5.50	5.11	3.27	5.40	9.77	5.82	4.97
24	5.49	5.42	5.41	5.60	10.30	5.45	4.97	2.79	5.84	8.10	5.60	5.04
25	5.29	5.33	5.36	5.61	9.01	5.44	4.87	2.58	6.02	6.66	5.41	5.00
26	5.16	5.25	5.32	7.91	6.77	5.49	4.83		6.36	6.48	5.33	4.92
27	5.07	5.21	5.29	16.92	6.07	6.54	4.88		5.78	14.03	5.29	4.85
28	5.00	5.19	5.32	23.13	5.88	11.12	4.89		5.17	16.71	5.38	4.81
29	4.97	5.15	5.50	24.04	---	9.58	4.68		4.46	13.29	5.32	4.76
30	5.01	5.16	5.81	24.16	---	7.09	5.14	2.80	3.66	8.50	5.16	4.74
31	4.92	---	5.60	23.89	---	6.07	---	6.45	---	6.68	5.04	---
MAX	6.07	13.44	14.65	24.16	23.34	19.17	13.98	---	---	---	6.13	5.59
MIN	4.86	4.35	5.15	5.58	5.70	5.38	4.68	---	---	---	4.92	4.74

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.—Estimated daily discharges. Indefinite stage-discharge relationship: Feb. 10-14. Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Low level dam of steel sheet piles with concrete cap located approximately 7 miles downstream, pool stage 55 ft, since Dec. 1991. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.—56 years, 313 ft³/s, 226,800 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, Aug. 15-19, 1994; 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 daily discharge, 1,160 ft³/s, Jan. 31; minimum, no flow at times in Aug.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	15	13	13	1150	168	72	24	89	27	192	1.1
2	24	16	12	15	1120	268	51	23	56	29	104	1.3
3	24	18	11	19	1080	372	38	40	42	25	54	1.2
4	23	21	30	22	940	377	29	32	33	21	29	.99
5	22	20	30	24	637	310	31	39	27	17	24	1.0
6	21	13	87	30	347	218	56	48	21	13	19	2.1
7	20	9.7	232	32	192	134	66	46	18	9.3	17	3.5
8	16	9.0	295	30	113	83	80	39	17	8.0	15	3.1
9	14	11	270	27	78	421	66	33	16	19	6.8	2.8
10	12	11	218	24	319	708	51	28	25	125	2.5	3.1
11	11	11	161	24	903	863	40	25	35	229	1.6	3.4
12	9.1	9.9	107	25	e1050	898	63	24	34	199	.26	3.2
13	10	13	78	25	e1090	734	57	22	43	141	.37	3.6
14	11	160	63	26	e1110	434	54	23	43	137	.30	4.3
15	10	242	49	31	e1100	227	61	23	38	295	.00	5.0
16	9.1	328	43	35	e1000	127	72	22	33	424	.00	12
17	8.3	419	40	193	871	79	75	22	30	405	.00	15
18	6.9	404	37	304	529	54	161	21	29	359	.00	11
19	6.1	355	33	431	272	42	161	22	22	277	.00	12
20	9.0	309	28	411	149	34	109	23	18	234	.07	12
21	13	243	24	295	89	27	74	23	18	174	3.7	11
22	12	172	21	189	70	22	55	21	45	124	4.0	9.6
23	14	113	20	121	79	19	45	19	47	86	4.4	8.2
24	19	74	18	82	69	21	39	18	113	90	4.9	6.9
25	18	50	16	60	87	16	36	18	75	103	4.5	5.9
26	14	36	16	60	107	15	31	19	41	80	3.7	5.4
27	11	27	15	262	93	23	28	20	29	86	3.0	4.9
28	9.5	22	14	782	65	25	27	21	23	89	2.5	4.8
29	10	18	14	1020	—	24	26	22	19	234	1.9	4.0
30	17	16	13	1140	—	66	26	25	17	348	1.8	3.6
31	14	—	12	1160	—	91	—	122	—	303	1.2	—
TOTAL	439.0	3165.6	2020	6912	14709	6900	1780	907	1096	4710.3	501.50	165.99
MEAN	14.2	106	65.2	223	525	223	59.3	29.3	36.5	152	16.2	5.53
MAX	24	419	295	1160	1150	898	161	122	113	424	192	15
MIN	6.1	9.0	11	13	65	15	26	18	16	8.0	.00	.99
AC-FT	871	6280	4010	13710	29180	13690	3530	1800	2170	9340	995	329
CAL YR 1993	TOTAL 34929.6			MEAN 95.7	MAX 1040	MIN 3.2	AC-FT 69280					
WTR YR 1994	TOTAL 43306.39			MEAN 119	MAX 1160	MIN .00	AC-FT 85900					

e Estimated

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.39	6.57	6.26	6.29	13.25	7.48	6.77	6.33	6.91	6.36	7.72	6.13
2	6.42	6.60	6.24	6.31	13.11	8.18	6.59	6.31	6.63	6.38	7.14	6.13
3	6.43	6.63	6.24	6.37	12.88	8.81	6.46	6.48	6.51	6.34	6.77	6.13
4	6.43	6.66	6.46	6.40	12.10	8.83	6.38	6.41	6.42	6.29	6.54	6.13
5	6.42	6.65	6.46	6.42	10.34	8.45	6.39	6.47	6.35	6.24	6.49	6.13
6	6.41	6.56	6.92	6.49	8.66	7.85	6.63	6.56	6.30	6.20	6.43	6.15
7	6.40	6.51	7.97	6.51	7.67	7.26	6.72	6.54	6.25	6.15	6.40	6.19
8	6.38	6.50	8.37	6.49	7.11	6.87	6.84	6.48	6.25	6.14	6.38	6.17
9	6.38	6.53	8.21	6.46	6.83	9.04	6.73	6.41	6.23	6.24	6.25	6.16
10	6.38	6.53	7.88	6.42	8.43	10.76	6.58	6.37	6.33	7.19	6.16	6.16
11	6.38	6.53	7.48	6.42	11.88	11.65	6.48	6.34	6.44	7.93	6.14	6.16
12	6.39	6.51	7.11	6.44	—	11.85	6.70	6.32	6.43	7.73	6.11	6.15
13	6.42	6.56	6.91	6.43	—	10.91	6.64	6.31	6.52	7.32	6.11	6.15
14	6.45	7.58	6.79	6.45	—	9.16	6.61	6.31	6.51	7.28	6.11	6.16
15	6.43	8.04	6.68	6.50	—	7.91	6.68	6.31	6.47	8.33	6.10	6.17
16	6.42	8.55	6.62	6.55	—	7.21	6.77	6.31	6.42	9.10	6.09	6.27
17	6.41	9.07	6.59	7.70	11.70	6.83	6.79	6.30	6.39	8.99	6.08	6.32
18	6.39	8.98	6.57	8.41	9.71	6.62	7.46	6.30	6.37	8.73	6.08	6.27
19	6.38	8.71	6.52	9.14	8.20	6.50	7.46	6.31	6.31	8.26	6.08	6.27
20	6.43	8.45	6.47	9.03	7.37	6.42	7.07	6.32	6.25	7.99	6.10	6.28
21	6.50	8.05	6.42	8.35	6.92	6.36	6.79	6.31	6.25	7.60	6.19	6.26
22	6.49	7.54	6.39	7.65	6.75	6.30	6.63	6.29	6.53	7.27	6.20	6.24
23	6.52	7.13	6.37	7.16	6.83	6.27	6.54	6.27	6.55	7.01	6.21	6.22
24	6.59	6.85	6.35	6.86	6.75	6.29	6.47	6.26	7.10	7.04	6.22	6.20
25	6.58	6.65	6.33	6.67	6.90	6.23	6.45	6.26	6.80	7.14	6.21	6.18
26	6.54	6.52	6.32	6.67	7.05	6.23	6.39	6.27	6.49	6.97	6.19	6.17
27	6.50	6.43	6.32	8.00	6.95	6.31	6.37	6.29	6.38	7.02	6.18	6.16
28	6.48	6.37	6.31	11.18	6.71	6.33	6.36	6.29	6.31	7.04	6.16	6.16
29	6.50	6.33	6.31	12.54	—	6.33	6.34	6.31	6.27	7.98	6.15	6.14
30	6.59	6.29	6.29	13.17	—	6.72	6.34	6.34	6.24	8.67	6.15	6.13
31	6.57	—	6.28	13.31	—	6.93	—	7.17	—	8.41	6.13	—
MAX	6.59	9.07	8.37	13.31	—	11.85	7.46	7.17	7.10	9.10	7.72	6.32
MIN	6.38	6.29	6.24	6.29	—	6.23	6.34	6.26	6.23	6.14	6.08	6.13

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	494	97	120	919	17100	2660	e3000	917	2220	187	e1100	e240
2	264	75	112	1100	16400	8960	e1900	802	1880	159	e700	e225
3	200	64	112	1310	15000	8390	e1500	1380	1110	e140	e520	e205
4	141	69	1960	2490	8910	6500	e1350	3300	709	e125	458	e190
5	120	73	6360	2100	3170	4050	e1300	2240	1010	e115	627	e185
6	105	54	7810	1220	2090	e3600	e1800	1200	944	e105	697	275
7	89	49	7210	1050	e1600	e3200	e3600	e860	639	e95	687	380
8	81	49	5460	1280	e1370	e3000	e3700	e730	346	e110	631	363
9	80	59	4180	1410	e1290	e6500	e3450	e600	259	160	530	353
10	79	54	2390	1040	7050	13200	e3100	e540	861	794	353	350
11	79	50	1190	689	16700	13400	e2000	e500	1220	580	291	302
12	79	47	855	1790	18600	11100	e2100	e1000	1090	581	287	230
13	89	43	686	2510	18800	4720	e2800	e1060	959	1200	297	169
14	143	1010	1130	2010	18000	e3700	e2700	e910	806	3630	320	133
15	150	7210	2060	1430	16600	e2900	e2500	e700	457	6810	326	105
16	116	9360	1780	766	14100	e2350	3530	e2400	258	5430	329	146
17	87	7470	e1300	3810	7680	e2050	6090	e2700	211	4120	315	1050
18	82	6810	1170	8470	2290	e1850	3810	e2600	e190	5090	271	1010
19	79	6060	1100	7920	e1850	e1600	e3100	e2100	e180	5370	265	585
20	160	4060	1090	4750	e1700	e1450	e2900	e1900	e160	3300	322	314
21	770	e1800	1130	2070	e1650	e1380	e2500	e1700	e170	1590	890	208
22	1050	894	1220	e1500	e1500	e1290	e2300	e1600	226	1380	1420	146
23	881	621	1270	e1300	e1750	e1190	e2150	e1550	463	4830	1210	110
24	607	369	1290	1060	4580	e1120	e2000	e1280	1060	3900	879	91
25	286	264	1270	910	4690	e1080	e1800	1150	1390	2070	629	94
26	171	210	1270	1500	2510	e1100	e1750	810	1270	1310	476	91
27	123	177	1210	7880	e1550	e1950	e1500	385	1110	3490	373	82
28	96	158	1070	16600	e1380	e4320	e1300	188	638	7870	309	66
29	94	148	986	18100	—	4660	e1200	135	294	7480	317	58
30	120	135	982	18400	—	e4200	e1050	130	218	e5200	288	54
31	111	—	983	17700	—	e4000	—	608	—	e2000	276	—
TOTAL	7026	47539	60756	135084	209910	131470	73780	37975	22348	79221	16393	7810
MEAN	227	1585	1960	4358	7497	4241	2459	1225	745	2556	529	260
MAX	1050	9360	7810	18400	18800	13400	6090	3300	2220	7870	1420	1050
MIN	79	43	112	689	1290	1080	1050	130	160	95	265	54
AC-FT	13940	94290	120500	267900	416400	260800	146300	75320	44330	157100	32520	15490
CAL YR 1993	TOTAL 648555		MEAN 1777		MAX 16000		MIN 43		AC-FT 1286000			
WTR YR 1994	TOTAL 829312		MEAN 2272		MAX 18800		MIN 43		AC-FT 1645000			
e Estimated												

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.80	1.24	1.40	3.98	25.17	14.70	12.62	6.98	6.92	1.66	—	2.08
2	2.05	1.10	1.36	4.45	25.05	20.43	12.16	6.80	6.24	1.53	—	2.07
3	1.78	1.02	1.35	5.29	24.68	20.40	11.67	7.76	4.38	1.52	—	2.06
4	1.50	1.06	5.97	8.12	22.41	18.90	11.24	10.94	3.35	1.52	2.74	2.06
5	1.38	1.08	13.27	7.98	17.57	16.90	11.04	9.68	4.16	1.51	3.22	2.06
6	1.29	.95	15.47	6.29	14.86	14.82	14.34	8.13	3.97	1.51	3.40	2.07
7	1.19	.91	15.34	4.47	13.31	13.88	13.72	6.79	3.16	1.50	3.38	2.44
8	1.14	.92	13.43	4.99	12.34	13.48	11.83	6.60	2.28	1.50	3.23	2.38
9	1.13	.99	11.49	5.63	11.59	18.22	11.07	6.87	1.97	1.53	2.95	2.34
10	1.13	.95	8.65	4.28	17.25	24.04	10.60	7.21	3.75	3.58	2.41	2.33
11	1.12	.92	5.24	3.40	24.42	24.55	10.13	7.77	4.68	3.00	2.19	2.16
12	1.12	.90	3.82	5.95	25.29	23.92	11.09	7.98	4.35	2.99	2.18	1.87
13	1.19	.87	3.39	7.82	25.49	21.00	11.92	7.59	4.01	4.61	2.21	1.60
14	1.50	3.83	4.49	7.05	25.42	17.86	10.72	7.38	3.61	9.21	2.30	1.40
15	1.54	14.38	6.96	5.42	25.20	16.53	10.11	7.17	2.64	14.61	2.32	1.24
16	1.36	17.84	7.12	3.60	24.62	16.02	12.83	8.39	1.96	14.34	2.33	1.43
17	1.18	16.79	5.46	9.43	22.21	15.74	15.97	8.79	1.77	12.76	2.28	4.23
18	1.14	15.61	4.61	17.23	18.29	15.47	13.88	7.63	1.75	13.09	2.12	4.15
19	1.13	14.59	4.44	17.54	15.72	15.24	10.76	6.85	1.75	14.06	2.09	3.01
20	1.51	12.04	4.41	14.28	14.65	15.10	9.23	6.54	1.74	11.70	2.30	2.17
21	3.55	7.22	4.52	10.16	13.97	14.82	8.60	6.35	1.73	7.96	3.89	1.76
22	4.29	3.89	4.73	7.56	13.62	14.59	8.07	6.06	1.84	6.29	5.20	1.46
23	3.85	3.18	4.85	5.86	14.43	14.40	7.70	5.67	2.59	11.70	4.69	1.26
24	3.13	2.44	4.98	4.74	16.04	14.12	7.43	5.18	4.42	11.50	3.86	1.14
25	2.12	2.07	4.92	3.96	16.19	13.79	7.13	4.57	5.25	8.46	3.21	1.16
26	1.65	1.85	4.93	5.29	14.59	13.58	6.80	3.73	4.82	5.74	2.78	1.14
27	1.40	1.70	4.70	14.96	12.82	13.31	6.51	2.56	4.40	8.85	2.46	1.09
28	1.24	1.61	4.37	24.35	12.25	14.50	6.22	1.82	3.16	15.52	2.24	.97
29	1.22	1.55	4.16	25.15	—	16.46	5.92	1.56	2.09	16.42	2.26	.92
30	1.38	1.49	4.14	25.33	—	15.26	5.85	1.54	1.80	—	2.15	.90
31	1.33	—	4.15	25.28	—	13.43	—	3.14	—	—	2.10	—
MAX	4.29	17.84	15.47	25.33	25.49	24.55	15.97	10.94	6.92	—	—	4.23
MIN	1.12	.87	1.35	3.40	11.59	13.31	5.85	1.54	1.73	—	—	.90

RED RIVER BASIN

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

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).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.—Water-stage recorder. Datum of gage is 50.07 ft 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.—Estimated daily discharges. Records fair. No auxiliary gage height record Nov 2-17, Jan. 17-28, May 18-19, June 8-9, July 3-4, Aug 12 to Sep. 6. 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.—58 years (water years 1936-94), 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 relation in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of May 15, 1927 (affected by overflow from Mississippi River) reached a stage of 34.02 ft and is the highest since then.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 3,360 ft³/s, Jan 29, gage height, 22.19 ft; minimum discharge, 9.9 ft³/s, Sept. 15, 16, gage height, 5.30 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	26	17	31	1970	719	259	46	377	298	426	16
2	15	24	16	61	1680	1240	235	47	552	203	342	17
3	15	22	18	148	1390	1030	162	218	504	132	268	39
4	13	19	449	461	1130	761	108	485	404	91	213	82
5	14	19	1090	485	950	597	101	432	376	64	169	94
6	14	17	918	380	846	491	846	336	303	48	127	80
7	14	17	686	284	731	415	860	253	239	41	87	57
8	13	17	520	207	697	368	638	180	173	41	59	38
9	13	18	426	142	676	1250	504	127	114	42	46	28
10	14	18	323	91	1260	2150	427	96	78	41	40	23
11	13	18	227	59	2240	2040	381	78	81	40	36	20
12	12	18	143	49	2230	1760	554	69	99	44	33	18
13	13	16	104	47	2100	1440	704	67	274	76	34	15
14	16	37	273	42	1870	1200	566	70	568	163	38	12
15	21	561	340	37	1600	1000	477	68	610	177	37	10
16	26	e860	276	32	1350	867	563	64	458	173	34	12
17	26	e950	199	e520	1120	759	551	87	339	285	42	156
18	23	994	132	e1000	948	676	466	84	264	445	44	823
19	20	826	87	e980	823	593	398	66	164	397	39	1100
20	43	662	62	e900	713	505	316	53	97	294	34	1090
21	225	536	48	e800	625	440	221	45	67	197	47	1000
22	454	446	43	e620	547	388	148	40	54	128	113	883
23	456	338	37	e450	594	304	107	38	68	97	148	760
24	356	242	32	e360	558	236	82	40	339	79	148	650
25	256	173	32	e320	473	212	66	46	550	65	119	562
26	170	116	31	e280	417	174	58	51	408	55	78	470
27	104	69	29	e880	370	195	53	54	308	125	53	392
28	61	40	27	e1950	291	370	49	52	259	507	36	325
29	41	26	27	2630	—	317	47	52	242	645	26	266
30	32	20	27	2410	—	295	46	49	334	603	21	212
31	28	—	26	2220	—	278	—	77	—	517	17	—
TOTAL	2537	7465	6665	18876	30199	23070	9993	3470	8703	6113	2954	9250
MEAN	81.8	249	215	609	1079	744	333	112	290	197	95.3	308
MAX	456	1150	1090	2630	2240	2150	860	485	610	645	426	1100
MIN	12	16	16	31	291	174	46	38	54	40	17	10
AC-FT	5030	14810	13220	37440	59900	45760	19820	6880	17260	12130	5860	18350
CAL YR 1993	TOTAL 180171			MEAN 494	MAX 3430	MIN 12	AC-FT 357400					
WTR YR 1994	TOTAL 129295			MEAN 354	MAX 2630	MIN 10	AC-FT 256500					

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.38	5.57	5.48	5.67	20.99	11.21	8.76	5.89	8.91	8.33	9.30	5.41
2	5.38	5.53	5.46	6.08	20.02	15.16	7.92	5.90	10.18	7.54	8.68	5.43
3	5.37	5.49	5.49	6.98	18.89	14.86	7.16	7.58	9.91	6.87	8.10	5.78
4	5.33	5.45	9.12	9.55	17.71	13.66	6.62	9.72	9.60	6.44	7.63	6.33
5	5.34	5.44	13.46	9.73	16.70	12.44	6.52	9.35	8.99	6.13	7.23	6.46
6	5.36	5.41	13.17	8.96	15.88	11.28	12.18	8.63	8.38	5.92	6.83	6.31
7	5.35	5.40	11.87	8.22	14.93	10.20	13.50	7.97	7.85	5.82	6.39	6.03
8	5.34	5.40	10.54	7.58	14.24	9.22	12.65	7.33	7.27	5.82	6.06	5.78
9	5.34	5.43	9.43	6.98	13.61	14.19	11.60	6.82	6.69	5.84	5.89	5.62
10	5.34	5.42	8.53	6.43	15.71	19.29	10.59	6.49	6.29	5.82	5.81	5.54
11	5.33	5.42	7.74	6.07	20.03	19.61	9.65	6.30	6.32	5.80	5.74	5.49
12	5.32	5.42	6.98	5.93	20.63	18.98	10.53	6.18	6.52	5.86	5.70	5.46
13	5.34	5.39	6.58	5.90	20.50	17.96	11.88	6.16	8.15	6.26	5.71	5.40
14	5.38	5.69	8.12	5.84	19.94	16.87	11.22	6.20	10.65	7.17	5.77	5.34
15	5.47	10.13	8.66	5.76	19.07	15.83	10.46	6.17	11.51	7.31	5.75	5.31
16	5.57	12.67	8.16	5.69	18.04	14.81	10.94	6.12	10.66	7.27	5.71	5.35
17	5.56	13.54	7.50	10.14	16.98	13.82	10.84	6.39	9.38	8.21	5.82	6.90
18	5.51	13.76	6.87	15.13	15.97	12.87	10.10	6.36	8.17	9.44	5.86	11.79
19	5.45	12.84	6.40	15.00	14.96	11.90	9.26	6.15	7.18	9.09	5.78	13.40
20	5.80	11.69	6.09	13.86	13.91	10.89	8.48	5.98	6.51	8.30	5.71	13.64
21	7.71	10.55	5.92	12.71	12.84	9.95	7.70	5.87	6.16	7.48	5.89	13.31
22	9.50	9.53	5.85	11.61	11.81	9.13	7.03	5.81	6.00	6.83	6.66	12.63
23	9.52	8.66	5.76	10.56	11.67	8.38	6.62	5.77	6.16	6.50	7.02	11.84
24	8.79	7.93	5.69	9.62	11.28	7.83	6.34	5.81	9.36	6.31	7.01	11.03
25	8.01	7.34	5.69	8.83	10.44	7.62	6.15	5.88	11.68	6.13	6.73	10.28
26	7.28	6.78	5.67	8.26	9.66	7.28	6.05	5.96	10.88	6.00	6.28	9.62
27	6.60	6.24	5.65	12.41	8.94	7.60	5.98	5.99	9.84	6.72	5.97	9.05
28	6.08	5.85	5.62	21.59	8.28	10.06	5.92	5.97	8.80	9.87	5.75	8.55
29	5.79	5.63	5.61	22.17	—	10.54	5.90	5.97	7.95	10.80	5.59	8.07
30	5.66	5.53	5.61	22.09	—	10.29	5.89	5.92	8.61	10.54	5.50	7.62
31	5.60	—	5.60	21.71	—	9.61	—	6.26	—	9.94	5.44	—
MAX	9.52	13.76	13.46	22.17	20.99	19.61	13.50	9.72	11.68	10.80	9.30	13.64
MIN	5.32	5.39	5.46	5.67	8.28	7.28	5.89	5.77	6.00	5.80	5.44	5.31

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1967 to September 1968, November 1971 to September 1972, April 1975 to September 1981.

WATER TEMPERATURE: October 1967 to September 1968, April 1975 to September 1981.

INSTRUMENTATION.--Water-quality monitor April 1975 to September 1979.

REMARKS.--The temperature range for the water-quality monitor, 0.0 °C to 36.5 °C. Water-quality monitor removed September 1979.

Samples for daily temperature and specific conductance were collected by an observer October 1979 to September 1981. 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, 824 micromhos Sept. 3, 1981; minimum, 42 micromhos May 29, 1978.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCHI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)	
OCT 1993													
28...	0800	61	290	7.81	14.0	15	80	5.9	--	880	200	120	
FEB 1994													
22...	1030	547	93	7.19	18.0	--	240	9.4	1.7	--	--	36	
APR													
21...	1015	221	232	7.30	24.5	30	87	8.2	--	230	210	91	
AUG													
31...	0830	17	545	7.89	29.0	30	41	7.1	2.4	K600	K100	200	
DATE		CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CACO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT 1993													
28...	31	9.6	14	5.6	126	128	11	11	0.2	13	180	175	
FEB 1994													
22...	9.6	2.9	2.9	2.3	41	--	3.0	1.4	<0.1	5.6	57	54	
APR													
21...	24	7.5	8.2	3.8	104	--	5.4	5.2	0.2	8.2	146	129	
AUG													
31...	52	17	38	5.4	244	--	7.8	23	0.3	18	318	309	
DATE		NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	
OCT 1993													
28...	0.03	0.50	0.16	0.8	0.26	0.04	0.05	<10	80	<3	11		
FEB 1994													
22...	0.01	0.23	0.07	1.0	0.48	0.08	0.06	180	25	<3	59		
APR													
21...	0.07	0.81	0.11	0.8	0.22	0.06	0.06	40	61	<3	32		
AUG													
31...	<0.01	0.06	0.03	0.8	0.25	0.10	0.10	<10	120	<3	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

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1993											
28...	<4	110	<10	3	<1	<1	120	<6	--	--	--
FEB 1994											
22...	<4	16	<10	4	<1	<1	40	<6	--	--	--
APR											
21...	<4	78	<10	3	<1	<1	100	<6	153	91	83
AUG											
31...	<4	53	<10	2	<1	<1	210	<6	96	4	99

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

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 May 25, 26, 28, June 1, 1963, June 11, 1988, and June 12 to July 4, 1988 result of temporary dam; minimum gage height observed, 4.13 ft, June 21, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of March 1882 reached a stage of 37.5 ft, present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 5,650 ft/s, Jan. 29, gage height, 19.88 ft; minimum gage height, 6.78 ft, Oct. 10 and 11.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.85	6.86	6.93	7.23	16.93	8.97	7.62	7.23	8.91	7.72	9.26	7.47
2	6.86	6.85	6.93	7.38	15.26	11.15	7.47	7.56	8.58	7.74	8.88	7.49
3	6.85	6.84	6.94	7.77	13.34	10.67	7.39	8.28	8.04	7.71	8.59	7.42
4	6.84	6.83	7.89	8.30	11.12	9.15	7.32	8.98	7.64	7.68	8.43	7.39
5	6.84	6.86	7.85	8.03	9.12	8.42	7.36	8.58	7.46	7.66	8.38	7.34
6	6.83	6.83	7.56	7.71	8.41	8.06	9.60	8.15	7.79	7.54	8.35	7.34
7	6.82	6.81	7.37	7.54	8.02	7.85	9.77	7.84	7.78	7.42	8.28	7.38
8	6.81	6.80	7.25	7.39	7.74	7.74	8.56	7.63	7.35	7.38	8.18	7.33
9	6.82	6.84	7.15	7.32	7.66	10.74	7.83	7.50	7.14	7.52	8.02	7.22
10	6.81	6.83	7.12	7.29	10.30	16.51	7.59	7.34	7.14	8.30	7.98	7.15
11	6.79	6.81	7.06	7.28	16.65	17.56	7.55	7.27	7.30	8.68	7.95	7.11
12	6.79	6.81	7.01	7.48	18.71	16.43	8.46	7.79	7.49	8.49	7.94	7.03
13	6.83	6.81	7.09	7.80	18.49	14.53	9.20	8.04	8.43	8.35	7.91	6.98
14	6.90	7.34	7.50	7.71	17.43	12.45	8.38	7.84	8.44	8.34	7.88	7.00
15	6.93	9.88	7.43	7.51	16.17	10.19	7.88	7.62	7.83	9.10	7.85	7.01
16	6.91	9.67	7.24	7.33	14.90	8.44	8.45	7.85	7.43	9.04	7.73	7.15
17	6.88	9.14	7.13	9.46	13.60	7.96	9.50	8.25	7.36	9.15	7.70	9.25
18	6.85	8.58	7.08	11.54	12.26	7.72	9.58	8.05	7.40	9.26	7.70	9.45
19	6.82	8.07	7.03	10.51	10.86	7.57	9.36	7.54	7.17	9.21	7.65	8.62
20	7.01	7.88	7.01	8.78	9.66	7.48	8.89	7.20	7.07	9.19	7.69	7.94
21	7.51	7.85	6.98	8.07	9.12	7.47	8.28	7.11	7.03	9.08	8.02	7.53
22	7.69	7.79	7.02	7.76	8.67	7.42	8.03	7.08	7.06	8.82	8.32	7.29
23	7.49	7.73	7.11	7.57	8.80	7.33	7.79	7.13	7.42	9.01	8.18	7.11
24	7.21	7.69	7.03	7.45	8.88	7.31	7.58	7.18	8.54	9.37	7.99	7.01
25	7.03	7.54	7.00	7.38	8.78	7.31	7.48	7.09	8.64	9.38	7.85	6.96
26	6.93	7.24	6.96	8.18	8.66	7.30	7.43	7.05	8.22	9.08	7.68	6.92
27	6.87	7.04	6.98	10.71	8.30	7.33	7.39	7.22	7.78	9.73	7.50	6.92
28	6.81	6.97	7.00	17.72	7.82	7.91	7.30	7.37	7.42	10.78	7.47	6.90
29	6.83	6.94	7.08	19.78	—	8.24	7.24	7.37	7.29	10.81	7.41	6.89
30	6.88	6.93	7.24	19.46	—	8.05	7.20	7.41	7.64	10.24	7.37	6.87
31	6.86	—	7.17	18.35	—	7.83	—	8.18	—	9.67	7.40	—
MAX	7.69	9.88	7.89	19.78	18.71	17.56	9.77	8.98	8.91	10.81	9.26	9.45
MIN	6.79	6.80	6.93	7.23	7.66	7.30	7.20	7.05	7.03	7.38	7.37	6.87

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 current year. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements 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.—No estimated daily discharges. 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. Several measurements of water temperature were made during the year.

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)
Feb. 12	1130	*9,760	*16.03			No other peaks above base.	

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	36	55	1780	642	301	146	98	25	33	34
2	10	15	36	63	1230	1390	234	173	107	24	28	31
3	12	22	36	66	719	1770	192	305	82	22	28	28
4	12	28	49	76	421	1720	167	625	65	33	34	30
5	13	28	88	88	324	1530	152	731	53	39	38	31
6	15	27	186	93	278	1180	244	696	43	35	44	31
7	15	27	239	87	253	825	434	463	37	30	46	33
8	15	29	187	77	242	552	551	532	35	29	41	30
9	16	27	128	69	223	574	560	865	33	29	63	24
10	16	27	93	64	558	1340	383	712	36	38	55	30
11	15	26	76	68	3650	1920	282	541	124	34	37	30
12	16	25	66	73	8940	2250	370	382	187	38	30	27
13	18	26	63	100	5630	1900	608	287	267	48	27	21
14	20	29	62	177	2960	1340	743	229	225	56	25	28
15	18	41	64	179	1950	912	822	190	141	75	24	30
16	28	50	104	136	1390	596	731	189	103	266	25	29
17	31	110	117	184	1000	438	720	319	80	262	25	29
18	27	158	96	363	725	371	1970	419	63	140	24	28
19	22	234	77	451	520	326	2330	415	49	86	24	29
20	19	218	68	498	427	295	1540	330	39	81	24	43
21	23	134	64	418	388	271	898	235	39	66	26	41
22	27	81	62	296	402	248	453	165	34	69	40	32
23	24	60	61	223	743	224	301	121	65	204	132	26
24	17	50	59	178	1150	202	233	93	142	358	144	24
25	24	48	56	156	1160	185	188	75	119	453	91	25
26	27	48	56	151	1100	175	158	61	80	398	63	26
27	25	42	53	249	885	171	145	49	61	222	45	26
28	24	37	51	653	589	214	133	47	49	118	36	26
29	24	34	47	1180	—	327	112	49	38	75	34	26
30	30	34	49	1500	—	438	101	48	30	54	31	26
31	28	—	50	2010	—	407	—	49	—	41	30	—
TOTAL	624	1734	2479	9981	39637	24733	16056	9541	2524	3448	1347	874
MEAN	20.1	57.8	80.0	322	1416	798	535	308	84.1	111	43.5	29.1
MAX	31	234	239	2010	8940	2250	2330	865	267	453	144	43
MIN	10	15	36	55	223	171	101	47	30	22	24	21
AC-FT	1240	3440	4920	19800	78620	49060	31850	18920	5010	6840	2670	1730

RED RIVER BASIN

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

MEAN	40.6	191	412	770	1097	774	733	712	264	168	34.5	27.8
MAX	407	1534	3981	3195	2499	1616	2748	3347	1482	2121	188	180
(WY)	1946	1942	1983	1945	1946	1953	1991	1953	1950	1989	1955	1957
MIN	2.00	2.33	3.77	20.0	54.0	124	63.8	10.8	8.23	2.06	.74	.50
(WY)	1957	1955	1955	1955	1981	1954	1978	1943	1956	1954	1954	1954

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR			FOR 1994 WATER YEAR			WATER YEARS 1939 - 1994		
ANNUAL TOTAL	138399			112978					
ANNUAL MEAN	379			310					
HIGHEST ANNUAL MEAN							432		
LOWEST ANNUAL MEAN							893		
HIGHEST DAILY MEAN	4980			8940			67.3		
LOWEST DAILY MEAN	10			10			36500		
ANNUAL SEVEN-DAY MINIMUM	13			13			.40		
INSTANTANEOUS PEAK FLOW				9760			.40		
INSTANTANEOUS PEAK STAGE				16.03			41500		
INSTANTANEOUS LOW FLOW				10			a21.20		
INSTANTANEOUS LOW STAGE				3.43			.40		
ANNUAL RUNOFF (AC-FT)	274500			224100			2.67		
10 PERCENT EXCEEDS	1120			736			312700		
50 PERCENT EXCEEDS	89			75			1100		
90 PERCENT EXCEEDS	20			25			76		
							8.4		

a From flood mark.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	3.84	4.38	4.78	11.65	9.98	7.97	6.10	5.41	3.88	4.13	4.18
2	3.44	3.67	4.37	4.92	10.95	11.46	7.25	6.48	5.55	3.84	3.99	4.07
3	3.51	3.93	4.37	4.98	9.94	11.92	6.73	7.85	5.15	3.80	3.98	4.00
4	3.53	4.14	4.65	5.16	8.84	11.87	6.39	9.69	4.83	4.14	4.15	4.06
5	3.56	4.14	5.34	5.36	8.19	11.65	6.18	10.03	4.61	4.30	4.26	4.09
6	3.64	4.11	6.69	5.45	7.76	11.18	7.34	9.92	4.38	4.19	4.41	4.07
7	3.65	4.11	7.35	5.35	7.48	10.52	8.92	9.04	4.25	4.05	4.45	4.13
8	3.64	4.18	6.71	5.18	7.35	9.73	9.44	9.30	4.18	4.01	4.34	4.03
9	3.70	4.12	5.92	5.03	7.12	9.76	9.47	10.32	4.14	4.03	4.79	3.84
10	3.70	4.11	5.45	4.94	9.32	11.37	8.61	9.96	4.20	4.25	4.64	4.04
11	3.67	4.08	5.16	5.02	13.27	12.08	7.79	9.40	5.75	4.16	4.24	4.06
12	3.71	4.06	4.98	5.11	15.78	12.40	8.44	8.61	6.66	4.28	4.04	3.94
13	3.78	4.07	4.92	5.54	14.49	12.06	9.63	7.85	7.64	4.50	3.97	3.76
14	3.86	4.16	4.90	6.58	12.98	11.41	10.05	7.19	7.14	4.66	3.90	3.99
15	3.80	4.48	4.94	6.61	12.11	10.71	10.23	6.70	6.02	5.03	3.86	4.06
16	4.14	4.66	5.60	6.03	11.47	9.89	10.01	6.69	5.49	7.50	3.90	4.01
17	4.22	5.68	5.78	6.65	10.90	9.16	9.98	8.11	5.13	7.54	3.90	4.02
18	4.11	6.32	5.48	8.47	10.28	8.66	11.74	8.86	4.79	6.01	3.85	4.00
19	3.93	7.28	5.18	9.04	9.61	8.26	12.19	8.83	4.51	5.22	3.84	4.03
20	3.83	7.10	5.02	9.24	9.08	7.95	11.38	8.22	4.30	5.13	3.86	4.38
21	3.99	6.00	4.95	8.83	8.80	7.69	10.35	7.26	4.29	4.87	3.94	4.33
22	4.10	5.24	4.91	7.92	8.89	7.42	8.98	6.36	4.17	4.91	4.29	4.12
23	4.01	4.87	4.89	7.12	10.29	7.13	7.98	5.74	4.80	6.83	5.90	3.91
24	3.75	4.68	4.85	6.55	11.15	6.86	7.24	5.34	6.04	8.44	6.07	3.85
25	4.00	4.63	4.79	6.24	11.16	6.64	6.68	5.03	5.72	9.04	5.30	3.88
26	4.10	4.64	4.79	6.17	11.08	6.50	6.26	4.76	5.13	8.70	4.80	3.92
27	4.05	4.51	4.74	7.33	10.66	6.45	6.07	4.52	4.77	7.09	4.42	3.94
28	4.02	4.39	4.69	9.75	9.86	7.00	5.91	4.48	4.52	5.70	4.21	3.94
29	4.02	4.31	4.62	10.88	—	8.18	5.63	4.52	4.27	5.02	4.18	3.92
30	4.21	4.32	4.64	11.33	—	8.97	5.46	4.49	4.04	4.63	4.09	3.91
31	4.15	—	4.68	11.90	—	8.78	—	4.52	—	4.34	4.04	—
MAX	4.22	7.28	7.35	11.90	15.78	12.40	12.19	10.32	7.64	9.04	6.07	4.38
MIN	3.44	3.67	4.37	4.78	7.12	6.45	5.46	4.48	4.04	3.80	3.84	3.76

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.—Estimated daily discharges. No auxiliary gage heights Mar. 10 to Apr. 7. Records fair. Natural flow is supplemented by effluent from operation of several oil fields upstream from station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.—37 years, 2,308 ft³/s, 16.50 in/yr, 1,672,000 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 daily discharge, 11,500 ft³/s, Mar. 12; minimum discharge 21 ft³/s, Oct. 13, gage height 5.00 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	40	109	199	10400	4350	e1870	730	1370	305	572	163
2	30	40	95	214	9700	5110	e1780	786	1770	257	466	162
3	30	42	91	227	8670	5760	e1700	1680	1860	216	348	195
4	29	50	104	224	7530	6230	e1600	2710	1670	187	256	174
5	28	61	125	221	6580	6680	e1590	2850	1280	165	301	149
6	27	64	123	224	5610	7160	e3000	2480	884	149	390	127
7	27	61	122	229	4630	7480	e4280	2140	681	135	318	110
8	31	56	153	240	3750	7470	3760	2730	558	123	257	98
9	30	54	206	248	3080	8380	3400	3820	441	111	568	89
10	27	51	261	252	2740	e10300	3020	4690	356	121	805	87
11	25	53	314	255	3470	e11400	2650	5570	295	137	708	98
12	23	54	338	258	4350	e11500	2630	6040	251	184	455	97
13	22	53	375	259	4800	e11400	3380	6160	237	234	295	99
14	22	63	502	246	5010	e10800	3670	5880	299	282	218	101
15	24	167	434	237	5230	e9500	3640	5370	524	515	176	90
16	25	217	369	238	5600	e8800	3430	4450	813	607	146	77
17	25	196	329	916	6250	e8000	3040	4130	900	756	121	71
18	25	217	307	2090	7070	e7200	2570	4460	908	876	107	65
19	25	185	300	2240	7680	e6400	2130	4550	776	940	93	61
20	27	182	289	2160	7790	e5700	1900	4220	570	926	88	60
21	35	243	279	1960	7340	e5200	1760	3450	425	921	86	61
22	38	290	274	1730	6630	e4700	1680	2340	342	850	92	72
23	43	313	296	1530	6330	e4100	1590	1460	291	730	302	77
24	49	322	299	1320	6200	e3600	1630	1040	310	654	559	70
25	49	318	279	1110	5940	e3100	1690	811	386	611	556	63
26	49	296	264	974	5550	e2750	1750	612	473	563	404	61
27	47	258	250	1850	5130	e2450	1690	433	432	563	257	62
28	45	213	240	5120	4600	e2250	1430	332	385	645	203	62
29	44	168	230	6610	---	e2100	947	274	368	647	204	62
30	43	133	219	8050	---	e2000	554	257	347	642	197	58
31	41	---	204	9840	---	e1940	---	690	---	634	175	---
TOTAL	1014	4460	7780	51271	167660	193810	69761	87145	20202	14686	9723	2821
MEAN	32.7	149	251	1654	5988	6252	2325	2811	673	474	314	94.0
MAX	49	322	502	9840	10400	11500	4280	6160	1860	940	805	195
MIN	22	40	91	199	2740	1940	554	257	237	111	86	58
AC-FT	2010	8850	15430	101700	332600	384400	138400	172900	40070	29130	19290	5600
CFSM												
IN.	.02	.08	.13	.87	3.15	3.29	1.22	1.48	.35	.25	.17	.05
	.02	.09	.15	1.00	3.28	3.80	1.37	1.71	.40	.29	.19	.06
CAL YR 1993												
WTR YR 1994												
TOTAL	767887			MEAN	2104		MAX	15500	MIN	22	AC-FT	1523000
TOTAL	630333			MEAN	1727		MAX	11500	MIN	22	AC-FT	1250000
											CFSM	1.11
											CFSM	.91
											IN.	15.04
											IN.	12.35

e Estimated

RED RIVER BASIN
07372200 LITTLE RIVER NEAR ROCHELLE, LA—Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.14	5.40	6.66	8.35	32.05	25.56	19.72	16.39	15.67	10.00	10.14	6.95
2	5.17	5.41	6.46	8.48	31.72	26.78	19.36	16.31	16.08	9.64	9.53	6.87
3	5.17	5.45	6.33	8.52	31.07	27.70	18.96	18.94	16.16	9.26	8.71	7.14
4	5.17	5.59	6.55	8.49	30.28	28.17	18.60	22.53	15.51	8.90	7.94	7.05
5	5.16	5.76	6.82	8.53	29.42	28.69	18.45	21.83	14.34	8.54	7.95	6.80
6	5.13	5.80	6.86	8.56	28.41	29.32	22.37	20.39	12.91	8.15	8.86	6.59
7	5.15	5.76	6.83	8.59	27.17	29.77	24.62	19.56	11.74	7.73	8.38	6.36
8	5.23	5.68	7.05	8.70	25.50	29.85	24.53	21.16	10.94	7.36	8.77	6.16
9	5.21	5.66	7.56	8.77	23.48	30.58	23.66	23.55	10.33	7.35	10.53	6.04
10	5.15	5.61	8.10	8.82	22.15	31.92	22.57	24.88	9.91	7.03	11.49	6.02
11	5.08	5.63	8.61	8.87	23.57	32.74	21.47	26.17	9.65	6.97	11.09	6.16
12	5.03	5.65	8.82	8.96	25.57	33.58	21.66	26.85	9.52	7.07	9.75	6.16
13	5.01	5.64	9.14	9.00	26.20	33.83	23.71	27.08	9.47	7.57	8.45	6.18
14	5.03	5.80	10.14	8.96	26.39	33.32	23.87	26.91	9.64	7.85	7.62	6.20
15	5.06	6.98	10.02	8.97	26.55	32.48	23.56	26.65	10.28	9.49	7.14	6.06
16	5.09	7.73	9.48	9.01	26.99	31.61	23.02	26.04	11.62	10.17	6.80	5.89
17	5.10	7.65	9.17	12.66	27.98	30.79	22.05	25.84	12.13	10.97	6.53	5.80
18	5.09	7.79	9.02	18.17	29.19	29.96	20.74	26.93	12.24	11.62	6.29	5.71
19	5.08	7.54	9.02	18.59	29.98	29.10	19.46	26.73	11.89	12.00	6.10	5.65
20	5.13	7.29	9.05	18.16	30.17	28.12	18.57	25.52	11.13	11.97	6.02	5.64
21	5.30	7.76	9.09	17.42	29.95	26.95	18.09	23.75	10.49	11.92	6.01	5.65
22	5.37	8.22	9.22	16.49	29.39	25.62	17.83	21.14	10.14	11.66	6.07	5.81
23	5.46	8.47	9.48	15.60	29.16	24.21	17.61	18.62	10.06	11.06	7.76	5.88
24	5.57	8.56	9.63	14.79	28.97	22.80	17.55	17.23	10.77	10.59	9.76	5.78
25	5.57	8.55	9.60	13.86	28.45	21.68	17.63	16.40	10.59	10.32	9.97	5.69
26	5.56	8.40	9.63	13.23	27.81	21.01	17.67	15.63	10.74	10.05	9.19	5.66
27	5.54	8.13	9.61	16.75	27.09	20.63	17.55	14.92	10.64	9.96	8.03	5.67
28	5.49	7.75	9.36	26.80	26.15	20.58	17.11	14.48	10.49	10.47	7.35	5.67
29	5.47	7.34	9.02	29.08	—	20.54	16.23	14.01	10.39	10.52	7.26	5.67
30	5.47	6.95	8.67	30.30	—	20.37	15.87	13.44	10.26	10.47	7.23	5.61
31	5.42	—	8.42	31.53	—	20.05	—	14.02	—	10.43	7.07	—
MAX	5.57	8.56	10.14	31.53	32.05	33.83	24.62	27.08	16.16	12.00	11.49	7.14
MIN	5.01	5.40	6.33	8.35	22.15	20.05	15.87	13.44	9.47	6.97	6.01	5.61

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.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR LA-75-1: 1958(M), 1966(M).

CORRECTIONS.--The maximum gage height for water years 1991-93 is 18.58 ft; the previously published figure was not the maximum.

GAGE.--Water-stage recorder with a data-collection platform and rain gage, 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.--No estimated daily discharges. Records good.

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)					
Jan 27	2200	*5,300	*13.52	No other peaks greater than base discharge.								
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994												
MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	20	39	67	149	40	104	67	25	27	40
2	14	17	20	48	60	220	39	46	50	25	23	31
3	14	18	21	36	54	103	38	424	45	23	23	27
4	14	25	54	31	52	73	37	208	41	23	25	24
5	14	24	43	29	278	63	58	75	40	22	29	22
6	13	20	27	28	133	58	385	54	38	23	29	23
7	13	17	24	31	90	55	118	48	36	22	27	24
8	13	17	23	30	106	52	70	241	33	29	192	21
9	17	36	23	27	79	445	58	133	33	57	139	20
10	19	35	270	26	156	422	53	134	36	33	46	20
11	16	23	96	33	228	128	47	89	32	47	33	20
12	16	20	42	46	129	89	244	64	35	34	28	20
13	19	18	71	35	82	75	123	52	34	30	26	19
14	25	68	83	30	66	67	68	65	31	29	25	19
15	19	128	43	27	60	61	56	172	29	36	24	18
16	18	55	34	26	56	57	50	92	28	46	23	20
17	17	94	31	424	52	53	44	296	27	31	22	32
18	16	43	31	198	50	51	41	649	27	34	21	24
19	16	30	30	67	49	50	38	131	27	35	21	20
20	18	26	33	51	52	49	36	73	27	28	23	19
21	29	23	31	44	113	47	35	58	29	26	34	19
22	30	22	42	40	117	45	36	51	39	25	33	19
23	20	22	50	37	337	43	35	45	84	25	26	18
24	18	22	35	35	113	43	34	42	93	24	24	18
25	17	22	31	34	74	44	32	39	53	23	29	17
26	17	21	28	53	61	41	32	37	36	22	30	17
27	16	21	27	1650	54	58	31	92	31	23	23	17
28	15	21	28	2170	52	100	29	154	28	22	21	17
29	17	20	28	256	---	54	28	104	26	22	23	16
30	21	20	27	111	---	46	90	69	26	25	26	16
31	20	---	25	81	---	42	---	80	---	42	35	---
TOTAL	545	945	1371	5773	2820	2883	2025	3921	1161	911	1110	637
MEAN	17.6	31.5	44.2	186	101	93.0	67.5	126	38.7	29.4	35.8	21.2
MAX	30	128	270	2170	337	445	385	649	93	57	192	40
MIN	13	17	20	26	49	41	28	37	26	22	21	16
AC-FT	1080	1870	2720	11450	5590	5720	4020	7780	2300	1810	2200	1260
CFSM	.34	.62	.87	3.65	1.97	1.82	1.32	2.48	.76	.58	.70	.42
IN.	.40	.69	1.00	4.21	2.06	2.10	1.48	2.86	.85	.66	.81	.46

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1994, BY WATER YEAR (WY)

MEAN	32.3	49.3	70.0	95.8	112	97.9	98.2	87.2	42.3	35.2	25.2	29.3
MAX	288	391	470	352	474	244	462	698	284	240	105	161
(WY)	1985	1988	1983	1990	1966	1977	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 1993 CALENDAR YEAR			FOR 1994 WATER YEAR			WATER YEARS 1943 - 1994		
ANNUAL TOTAL	19009			24095					
ANNUAL MEAN	52.1			66.0			64.3		
HIGHEST ANNUAL MEAN							139		
LOWEST ANNUAL MEAN							22.7		
HIGHEST DAILY MEAN	1130	Apr	8	2170	Jan	28	10100	May	17
LOWEST DAILY MEAN	13	Sep	11	13	Oct	6, 7, 8	3.9	Sep	28
ANNUAL SEVEN-DAY MINIMUM	14	Oct	2	14	Oct	2	4.1	Sep	24
INSTANTANEOUS PEAK FLOW				5300	Jan	27	23500	Apr	29
INSTANTANEOUS PEAK STAGE				13.52	Jan	27	18.58	Nov	16
INSTANTANEOUS LOW FLOW				13	Oct	6, 7, 8, 9	3.7	Sep	29
INSTANTANEOUS LOW STAGE				2.84	Oct	6, 7, 8, 9	1.08	Sep	29
ANNUAL RUNOFF (AC-FT)	37700			47790			46600		
ANNUAL RUNOFF (CFSM)	1.02			1.29			1.26		
ANNUAL RUNOFF (INCHES)	13.87			17.58			17.13		
10 PERCENT EXCEEDS	90			113			96		
50 PERCENT EXCEEDS	34			34			30		
90 PERCENT EXCEEDS	17			18			13		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.87	2.95	3.01	3.25	3.46	3.88	3.23	3.65	3.45	3.06	3.08	3.23
2	2.87	2.94	3.01	3.36	3.40	4.25	3.22	3.29	3.32	3.05	3.03	3.13
3	2.86	2.97	3.01	3.24	3.36	3.66	3.21	5.80	3.28	3.03	3.02	3.08
4	2.88	3.09	3.37	3.19	3.34	3.50	3.21	4.27	3.24	3.02	3.05	3.04
5	2.88	3.08	3.30	3.15	4.73	3.43	3.34	3.51	3.23	3.01	3.10	3.01
6	2.86	3.00	3.13	3.14	3.81	3.39	5.45	3.36	3.21	3.02	3.11	3.03
7	2.85	2.95	3.08	3.17	3.59	3.37	3.73	3.31	3.19	3.00	3.08	3.04
8	2.85	2.94	3.06	3.16	3.68	3.35	3.47	4.44	3.16	3.09	3.97	3.00
9	2.93	3.22	3.06	3.12	3.53	5.94	3.39	3.81	3.16	3.37	3.69	2.98
10	2.98	3.22	4.69	3.11	3.92	5.74	3.35	3.81	3.19	3.16	3.25	2.98
11	2.92	3.05	3.65	3.19	4.28	3.78	3.30	3.59	3.15	3.29	3.15	2.99
12	2.92	3.00	3.30	3.34	3.79	3.59	4.44	3.43	3.18	3.17	3.10	2.98
13	2.98	2.97	3.49	3.23	3.55	3.51	3.76	3.34	3.17	3.13	3.07	2.96
14	3.09	3.34	3.59	3.16	3.45	3.45	3.46	3.44	3.13	3.12	3.05	2.95
15	2.99	3.81	3.31	3.13	3.41	3.42	3.38	4.01	3.11	3.19	3.03	2.95
16	2.95	3.41	3.22	3.11	3.38	3.39	3.33	3.60	3.10	3.29	3.03	2.98
17	2.93	3.66	3.18	5.81	3.35	3.35	3.27	4.93	3.09	3.14	3.01	3.14
18	2.92	3.30	3.17	4.26	3.33	3.34	3.24	7.23	3.08	3.15	3.00	3.04
19	2.91	3.17	3.17	3.50	3.32	3.32	3.22	3.80	3.08	3.18	3.00	2.99
20	2.96	3.10	3.20	3.39	3.34	3.32	3.20	3.50	3.08	3.09	3.02	2.97
21	3.14	3.07	3.17	3.32	3.70	3.30	3.19	3.39	3.11	3.06	3.17	2.96
22	3.16	3.05	3.29	3.28	3.74	3.29	3.19	3.33	3.20	3.06	3.16	2.96
23	3.01	3.04	3.37	3.26	5.09	3.27	3.19	3.29	3.54	3.06	3.07	2.95
24	2.95	3.04	3.23	3.23	3.71	3.27	3.17	3.26	3.61	3.04	3.04	2.93
25	2.94	3.04	3.17	3.22	3.50	3.27	3.15	3.23	3.35	3.02	3.09	2.92
26	2.94	3.03	3.14	3.39	3.41	3.25	3.14	3.21	3.19	3.01	3.11	2.92
27	2.92	3.03	3.13	8.00	3.36	3.37	3.13	3.55	3.13	3.02	3.02	2.92
28	2.90	3.02	3.13	10.55	3.34	3.64	3.11	3.92	3.10	3.01	2.99	2.91
29	2.94	3.01	3.14	4.56	—	3.36	3.10	3.66	3.08	3.01	3.02	2.91
30	3.03	3.01	3.12	3.70	—	3.29	3.50	3.47	3.07	3.05	3.07	2.90
31	3.00	—	3.10	3.55	—	3.25	—	3.53	—	3.25	3.15	—
MAX	3.16	3.81	4.69	10.55	5.09	5.94	5.45	7.23	3.61	3.37	3.97	3.23
MIN	2.85	2.94	3.01	3.11	3.32	3.25	3.10	3.21	3.07	3.00	2.99	2.90

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1943, 1959, 1965 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1964 to September 1973, October 1974 to September 1976.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.0 °C July 30 to Aug. 1, 1976; minimum, 2.0 °C Jan. 15, 1969, Jan. 10, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCOCCI, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)	
OCT 1993													
21...	1235	29	40	6.5	20.0	10	1.9	8.7	--	620	310	7	
JAN 1994													
26...	1635	53	34	6.8	24.0	30	5.8	9.7	--	330	330	7	
APR													
18...	1050	41	35	6.4	16.0	30	2.4	9.3	1.1	K20	K20	8	
AUG													
31...	1330	35	39	6.6	25.0	10	2.0	8.8	0.7	K300	2600	8	
DATE		CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CACO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L -CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT 1993													
21...	1.7	0.75	4.2	1.2	11	10	1.2	5.0	0.1	19	42	40	
JAN 1994													
26...	1.7	0.70	3.8	1.1	10	--	2.5	4.2	<0.1	16	36	34	
APR													
18...	1.9	0.76	3.8	1.0	12	--	1.8	3.5	<0.1	17	45	32	
AUG													
31...	1.9	0.81	3.8	1.4	16	--	1.7	3.5	<0.1	19	45	42	
DATE		NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	
OCT 1993													
21...	<0.01	0.06	<0.01	<0.2	<0.01	0.01	0.02	90	26	<3	230		
JAN 1994													
26...	0.04	0.11	0.03	0.2	<0.01	0.02	0.01	90	29	<3	220		
APR													
18...	<0.01	0.09	0.03	0.2	0.02	<0.01	<0.01	20	29	<3	180		
AUG													
31...	<0.01	0.08	0.03	0.2	0.02	<0.01	<0.01	20	30	<3	110		

< 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

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1993											
21...	<4	34	<10	<1	<1	<1	17	<6	--	--	--
JAN 1994											
26...	<4	55	<10	<1	<1	<1	15	<6	--	--	--
APR											
18...	<4	65	<10	1	<1	<1	17	<6	--	--	--
AUG											
31...	<4	51	<10	<1	<1	<1	19	<6	11	1.04	100

DATE	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)
OCT 1993				
21...	<1.0	0.01	0.04	0.02
APR				
18...	<1.0	0.01	0.04	0.03

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

RED RIVER BASIN

07373250 HEMPHILL CREEK AT NEBO, LA

LOCATION.—Lat 31°35'04", long 92°07'55", in NW 1/4 NE 1/4 in sec.39, T.7 N., R.3 E., La Salle Parish, Hydrologic Unit 08040304, at left bank on downstream side of bridge on State Highway 460, 0.6 mi east of Nebo, 1.4 mi upstream from Mason Creek, and 2.2 mi downstream from Mill Creek.

DRAINAGE AREA.—35.3 mi².

PERIOD OF RECORD.—Occasional low-flow and miscellaneous measurements, water years 1956-63, 1966-67, 1970. August 1978 to current year.

REVISED RECORDS.—WDR LA-82-1: 1979-81(M).

GAGE.—Water-stage recorder. Datum of gage is 46.58 ft above sea level. August 1978 to July 27, 1988, water-stage recorder at site 300 ft upstream at same datum.

REMARKS.—Estimated daily discharges. Records fair. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.—Peak discharge greater than base of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 28	unknown	*6,790	*11.89	May 8	0645	2,630	8.86

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	19	23	54	e74	136	37	42	56	28	27	43
2	19	19	22	46	e70	114	36	38	72	28	26	33
3	19	19	26	39	e66	60	35	441	42	27	26	24
4	19	21	139	36	e65	50	35	82	38	27	26	23
5	19	19	41	34	e60	45	103	57	38	28	27	23
6	19	18	32	33	e350	43	395	49	36	28	27	24
7	19	18	29	34	e170	42	75	57	33	27	24	24
8	19	19	27	34	e110	40	54	802	32	28	98	22
9	20	27	27	32	e130	667	48	152	38	30	46	22
10	20	20	98	30	e100	128	44	128	36	32	31	22
11	20	19	40	33	e180	82	40	85	34	30	29	22
12	20	19	33	42	e260	64	171	70	34	42	25	21
13	23	19	171	35	e150	54	65	61	32	35	24	21
14	23	120	75	32	53	48	49	60	31	38	23	21
15	20	115	44	30	51	45	50	317	31	35	23	21
16	19	126	36	29	48	43	45	102	30	32	23	21
17	18	122	32	569	45	42	39	140	30	29	22	21
18	18	40	31	127	44	e40	38	83	30	99	22	20
19	18	32	29	64	43	e40	36	53	31	48	23	20
20	21	29	36	51	43	e40	36	44	30	33	24	20
21	25	27	31	45	46	e39	35	40	30	31	33	20
22	23	27	44	42	85	e39	36	37	29	30	26	20
23	19	26	42	39	131	e38	35	36	49	30	23	20
24	19	25	34	38	51	34	36	34	45	29	22	21
25	19	25	31	38	44	34	38	33	33	28	22	21
26	18	24	30	38	40	32	35	33	30	28	21	20
27	18	25	28	1760	39	176	35	63	29	332	21	20
28	18	23	30	1260	38	104	34	55	29	43	21	20
29	19	23	33	e400	—	50	34	42	29	32	21	20
30	22	23	29	e160	—	43	65	42	29	29	21	20
31	19	—	28	e90	—	39	—	159	—	28	23	—
TOTAL	611	1088	1351	5294	2586	2451	1814	3437	1066	1344	850	670
MEAN	19.7	36.3	43.6	171	92.4	79.1	60.5	111	35.5	43.4	27.4	22.3
MAX	25	126	171	1760	350	667	395	802	72	332	98	43
MIN	18	18	22	29	38	32	34	33	29	27	21	20
AC-FT	1210	2160	2680	10500	5130	4860	3600	6820	2110	2670	1690	1330
CFSM	.56	1.03	1.23	4.84	2.62	2.24	1.71	3.14	1.01	1.23	.78	.63
IN.	.64	1.15	1.42	5.58	2.73	2.58	1.91	3.62	1.12	1.42	.90	.71

e Estimated.

RED RIVER BASIN

07373250 HEMPHILL CREEK AT NEBO, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1994, BY WATER YEAR (WY)

MEAN	38.4	65.1	84.4	86.0	111	85.1	79.0	72.2	47.3	27.9	25.2	28.6
MAX	146	349	507	227	235	162	324	348	94.1	63.2	64.7	84.6
(WY)	1985	1988	1983	1979	1983	1980	1991	1983	1993	1989	1992	1985
MIN	15.3	17.8	18.6	20.2	29.5	20.8	21.0	16.6	14.6	10.4	15.1	13.9
(WY)	1983	1982	1982	1982	1986	1982	1981	1982	1982	1985	1986	1982

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR			FOR 1994 WATER YEAR			WATER YEARS 1978 - 1994					
ANNUAL TOTAL	19726			22562								
ANNUAL MEAN	54.0			61.8			62.3					
HIGHEST ANNUAL MEAN							138					
LOWEST ANNUAL MEAN							22.6					
HIGHEST DAILY MEAN	848	Apr	8	1760	Jan	27	9000	Dec	27	1982		
LOWEST DAILY MEAN	17	Sep	25	18	Oct	17-19,	8.5	Aug	13	1985		
							26-28, Nov. 6-7					
ANNUAL SEVEN-DAY MINIMUM	19	Oct	23	19	Oct	23	9.1	Jul	31	1985		
INSTANTANEOUS PEAK FLOW				6790			15800	Nov	16	1987		
INSTANTANEOUS PEAK STAGE				*11.89			14.93	Nov	16	1987		
INSTANTANEOUS LOW FLOW				17			8.2	At times in 1985				
INSTANTANEOUS LOW STAGE				2.04			Mar 25,26					
ANNUAL RUNOFF (AC-FT)	39130				44750				45150			
ANNUAL RUNOFF (CFSM)	1.53				1.75				1.77			
ANNUAL RUNOFF (INCHES)	20.79				23.78				23.99			
10 PERCENT EXCEEDS	105				103				80			
50 PERCENT EXCEEDS	31				33				27			
90 PERCENT EXCEEDS	19				20				17			

* By levels to HWM

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.18	2.22	2.24	2.61	—	2.98	2.12	2.19	2.46	2.10	2.16	2.32
2	2.18	2.22	2.24	2.57	—	2.87	2.11	2.13	2.61	2.09	2.15	2.25
3	2.18	2.22	2.28	2.48	—	2.40	2.09	4.22	2.30	2.09	2.15	2.13
4	2.19	2.26	3.18	2.45	—	2.28	2.08	2.61	2.24	2.08	2.15	2.10
5	2.19	2.22	2.50	2.41	—	2.23	2.47	2.36	2.24	2.10	2.17	2.10
6	2.18	2.21	2.39	2.40	—	2.21	4.16	2.27	2.21	2.10	2.17	2.12
7	2.18	2.21	2.34	2.42	—	2.18	2.55	2.34	2.18	2.08	2.13	2.13
8	2.18	2.21	2.32	2.42	—	2.16	2.34	5.07	2.15	2.09	2.63	2.10
9	2.21	2.36	2.30	2.39	—	4.68	2.26	3.15	2.23	2.13	2.42	2.09
10	2.20	2.25	2.95	2.36	—	2.98	2.21	2.99	2.21	2.16	2.22	2.09
11	2.20	2.22	2.50	2.40	—	2.61	2.16	2.65	2.18	2.12	2.20	2.09
12	2.19	2.21	2.41	2.52	—	2.44	3.18	2.50	2.18	2.28	2.14	2.08
13	2.25	2.22	3.30	2.43	—	2.33	2.45	2.41	2.16	2.20	2.12	2.07
14	2.26	2.96	2.84	2.39	2.33	2.27	2.27	2.40	2.14	2.25	2.11	2.07
15	2.20	3.17	2.54	2.36	2.29	2.23	2.28	3.76	2.13	2.20	2.10	2.07
16	2.19	2.99	2.44	2.34	2.26	2.20	2.23	2.88	2.13	2.15	2.10	2.09
17	2.18	3.11	2.39	4.43	2.23	2.19	2.15	3.09	2.13	2.12	2.09	2.10
18	2.17	2.49	2.38	3.22	2.21	—	2.13	2.72	2.13	2.65	2.09	2.08
19	2.17	2.39	2.35	2.76	2.20	—	2.11	2.43	2.13	2.37	2.10	2.07
20	2.24	2.34	2.44	2.63	2.19	—	2.10	2.32	2.13	2.17	2.12	2.07
21	2.30	2.32	2.37	2.56	2.24	—	2.10	2.27	2.12	2.15	2.26	2.07
22	2.27	2.31	2.53	2.52	2.53	—	2.10	2.24	2.12	2.13	2.15	2.07
23	2.21	2.29	2.52	2.49	2.94	—	2.10	2.21	2.34	2.13	2.10	2.07
24	2.21	2.29	2.42	2.48	2.30	2.07	2.10	2.19	2.33	2.11	2.09	2.08
25	2.20	2.27	2.37	2.47	2.21	2.07	2.14	2.18	2.17	2.10	2.08	2.08
26	2.19	2.27	2.35	2.47	2.16	2.05	2.10	2.17	2.13	2.10	2.08	2.08
27	2.19	2.27	2.33	5.72	2.14	2.99	2.09	2.48	2.11	3.70	2.07	2.08
28	2.20	2.25	2.36	5.88	2.13	2.77	2.08	2.45	2.11	2.40	2.07	2.08
29	2.23	2.25	2.39	—	—	2.29	2.08	2.29	2.11	2.24	2.07	2.08
30	2.28	2.24	2.34	—	—	2.19	2.40	2.29	2.11	2.20	2.07	2.07
31	2.22	—	2.33	—	—	2.15	—	3.15	—	2.18	2.10	—
MAX	2.30	3.17	3.30	—	—	—	4.16	5.07	2.61	3.70	2.63	2.32
MIN	2.17	2.21	2.24	—	—	—	2.08	2.13	2.11	2.08	2.07	2.07

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.

REMARKS.--See records of daily discharge for Mississippi River at Tarbert Landing, MS (station 07295100). Corps of Engineers station 01100. 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, 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 1993 TO SEPTEMBER 1994

				PH									
		SPE- CIFIC CON- DUCT- ANCE (US/CM)	WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)		
NOV 1993													
08...	1045	469	7.75	12.5	5	27	<1	10.2	21	1.7	100		
JAN 1994													
24...	1045	346	7.03	3.0	5	65	<1	13.2	25	2.8	220		
MAR													
14...	1115	305	7.54	8.0	5	22	<1	10.4	<10	2.2	K380		
JUN													
28...	1115	412	7.90	29.0	10	47	<1	6.7	<10	0.3	240		
AUG													
30...	1015	436	7.74	29.0	5	18	<1	7.5	15	1.1	520		
DATE		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
NOV 1993													
08...	110	K20	190	49	16	18	4.0	152	151	54	19	0.2	
JAN 1994													
24...	--	250	140	37	11	15	2.5	99	96	43	16	0.1	
MAR													
14...	K40	K50	110	31	8.5	13	2.7	78	78	34	16	0.1	
JUN													
28...	210	30	160	41	13	16	3.7	116	112	46	15	0.2	
AUG													
30...	<3	K25	160	42	14	22	3.6	126	121	56	21	0.2	

< 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).

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
NOV 1993											
08...	7.7	272	267	90	--	0.03	1.8	1.8	--	0.03	0.60
JAN 1994											
24...	6.9	204	194	340	0.02	0.01	1.1	1.1	0.07	0.06	0.53
MAR											
14...	6.0	170	164	67	0.03	0.02	1.3	1.3	0.06	0.06	0.61
JUN											
28...	5.1	206	212	109	<0.01	<0.01	0.95	0.95	0.02	0.03	0.88
AUG											
30...	2.9	242	238	58	<0.01	<0.01	0.73	0.73	0.03	0.03	0.70
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
NOV 1993											
08...	0.3	0.17	0.07	--	0.08	10	2	77	<10	<1	<1
JAN 1994											
24...	--	0.22	0.05	0.08	0.04	--	3	--	<1	<1	<5
MAR											
14...	--	0.19	0.05	0.10	0.04	50	1	45	1	<1	<5
JUN											
28...	--	0.20	0.06	0.09	0.05	20	3	65	<1	<1	<5
AUG											
30...	--	0.13	0.07	0.06	0.06	<10	2	64	<1	<1	<5
DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
NOV 1993											
08...	<1	<3	9	3	4	11	2	<0.1	<10	4	3
JAN 1994											
24...	--	--	8	--	7	--	--	0.1	--	7	--
MAR											
14...	<1	<3	6	28	3	7	4	<0.1	<10	4	2
JUN											
28...	<1	<3	9	3	5	14	<1	<0.1	<10	6	2
AUG											
30...	<1	<3	8	6	13	5	<1	<0.1	<10	5	2

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

LOWER MISSISSIPPI RIVER BASIN

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

		SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRONTIUM, DIS- SOLVED (UG/L AS SR)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	
DATE												
NOV 1993 08...		<1	<1	<1	190	<6	10	4.8	<0.01	3	<1	
JAN 1994 24...		<1	--	--	--	--	20	5.2	<0.01	3	<1	
MAR 14...		<1	<1	<1	120	<6	5	5.0	<0.01	2	<1	
JUN 28...		<1	<1	<1	180	1	50	5.6	<0.01	<1	<1	
AUG 30...		<1	<1	<1	200	3	10	6.4	<0.01	<1	<1	
DATE	PER- THANE TOTAL (UG/L)	NAPHTHA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	LINDANE TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)
NOV 1993 08...	<0.05	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DATE	TOX- APHENE, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	PCB, TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
NOV 1993 08...	<0.5	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DATE		SI- MAZINE, WATER, DISS, REC (UG/L)	PRO- METRYN, WATER, DISS, REC (UG/L)	PRO- METON, WATER, DISS, REC (UG/L)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L)	CYANA- ZINE, WATER, DISS, REC (UG/L)	AMETRYN WATER, DISS, REC, (UG/L)	PROP- AZINE WATER DISS REC (UG/L)			
JAN 1994 24...		0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05			
MAR 14...		<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05			
JUN 28...		0.10	<0.05	<0.05	<0.05	0.11	0.3	<0.05	<0.05			
AUG 30...		<0.05	<0.05	<0.05	<0.05	0.09	1.2	<0.05	<0.05			

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

LOWER MISSISSIPPI RIVER BASIN
07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	METO- LACHLOR WATER DISSOLV (UG/L)	ATRA- ZINE, WATER, DISS, REC (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	ALA- CHLOR, WATER, DISS, REC, (UG/L)	2, 4-DP TOTAL (UG/L)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L)
NOV 1993								
08...	--	--	<0.5	<0.5	<0.5	--	<0.5	--
JAN 1994								
24...	<0.05	0.08	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05
MAR								
14...	<0.05	0.10	--	--	--	<0.05	--	<0.05
JUN								
28...	0.17	0.73	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05
AUG								
30...	<0.05	0.26	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05

DATE	DIS- CHARGE, IN CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 1993				
08...	374000	116	117000	80
JAN 1994				
24...	563000	196	298000	67
MAR				
14...	1010000	129	352000	47
JUN				
28...	359000	133	129000	92
AUG				
30...	289000	82	64000	88

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)

LOCATION.--Lat 29°56'19", long 90°21'49", T.13 S., R.21 E., St. Charles Parish, Hydrologic Unit 08090100, cross section of river at Luling-Destrehan ferry crossing, 17 mi west of New Orleans, and at mile 120.6.

DRAINAGE AREA.--1,125,800 mi², arbitrarily determined.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1957 to September 1972, October 1974 to September 1975, October 1976 to April 19, 1990.

WATER TEMPERATURES: October 1957 to September 1972, October 1977 to April 19, 1990.

CHLORIDE: October 1974 to September 1975, October 1976 to April 19, 1990.

SULFATE: October 1974 to September 1975, October 1976 to September 1978.

DISSOLVED SOLIDS: October 1978 to April 19, 1990.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 636 micromhos Oct. 12, 1959; minimum daily, 194 micromhos Dec. 18, 1983.

WATER TEMPERATURES: Maximum daily, 38.5 °C July 6, 7, 13, 1984; minimum daily, 2.0 °C Jan. 14, 15, 1984.

CHLORIDE: Maximum daily, 69 mg/L June 24, 1977; minimum daily, 11 mg/L Mar. 22, 1975, June 12, 1983, Mar. 7-10, 12-16, 1989.

SULFATE: Maximum daily, 89 mg/L Oct. 10, 1977; minimum daily, 20 mg/L Feb. 8, Apr. 26, 1978.

DISSOLVED SOLIDS: Maximum, 339 mg/L Nov. 21-30, 1978; minimum, 151 mg/L Mar. 11-20, 1989, Feb. 11-20, 1990.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

CHLORIDE: Minimum, 8.3 mg/L Dec. 20, 1988.

SULFATE: Minimum, 20 mg/L Mar. 13, 1991.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
NOV 1993											
10...	1100	480	7.80	13.0	5	33	<1	11.0	26	2.9	920
JAN 1994											
31...	1200	288	7.73	5.0	10	120	<1	11.2	26	2.6	--
MAR											
15...	1345	303	7.64	9.5	15	50	<1	10.2	73	1.5	440
JUN											
29...	1600	410	7.94	29.5	10	50	<1	6.7	24	0.1	260
AUG											
31...	1230	491	7.82	30.0	5	6.0	<1	7.2	<10	0.4	120

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
NOV 1993											
10...	--	48	16	--	--	148	56	25	--	--	--
JAN 1994											
31...	>9000	30	8.5	--	--	86	32	15	0.1	--	176
MAR											
15...	<4	32	8.6	--	--	80	35	18	0.2	--	178
JUN											
29...	92	40	14	19	3.3	120	49	20	0.3	5.1	--
AUG											
31...	96	42	15	--	--	130	59	28	0.3	--	264

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

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)
NOV 1993										
10...	78	0.01	--	1.7	--	0.03	--	--	0.42	0.13
JAN 1994										
31...	80	0.02	0.01	0.89	0.89	0.08	0.07	0.49	0.33	0.07
MAR										
15...	140	0.03	0.02	1.3	1.3	0.07	0.06	0.60	0.32	0.23
JUN										
29...	103	0.01	<0.01	1.3	1.3	0.03	0.02	0.78	0.44	0.21
AUG										
31...	22	0.01	0.01	0.85	0.85	0.02	0.02	0.53	0.34	0.11

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
NOV 1993										
10...	--	0.13	--	3	<1	4	4	<1	10	6
JAN 1994										
31...	<0.02	0.08	0.03	5	<1	<1	<5	<1	19	8
MAR										
15...	0.06	0.11	0.06	2	<1	<1	<5	<1	7	5
JUN										
29...	0.10	0.12	0.09	4	<1	<1	<5	<1	6	5
AUG										
31...	0.08	0.06	0.06	2	1	<1	<5	--	5	1

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
NOV 1993										
10...	<10	0.3	7	<1	2	10	4.5	<0.01	4	<1
JAN 1994										
31...	--	0.1	7	<1	--	20	8.7	<0.01	4	<1
MAR										
15...	--	0.1	5	<1	1	20	5.5	<0.01	5	1
JUN										
29...	<10	0.1	6	<1	2	20	5.8	<0.01	5	<1
AUG										
31...	--	<0.1	3	<1	3	8	4.1	<0.01	2	<1

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LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)
NOV 1993										
10...	2	2	<1	<1	<1	6	4	1	4	3500
JUN										
29...	--	2	--	--	<1	3	--	1	--	4400

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
NOV 1993									
10...	<1	<10	53	<0.1	<0.1	2	<1	<4	20
JUN									
29...	--	<10	54	--	<0.01	--	--	--	20

DATE	SI- MAZINE, WATER, DISS, REC (UG/L)	PRO- METRYN, WATER, DISS, REC (UG/L)	PRO- METON, WATER, DISS, REC (UG/L)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L)	CYANA- ZINE, WATER, DISS, REC (UG/L)	ACE- NAPHTH- YLENE BOT.MAT (UG/KG)	ACE- NAPHTH- ENE BOT.MAT (UG/KG)	ANTHRA- CENE BOT.MAT (UG/KG)	BENZO B FLUOR- AN- THENE BOT.MAT (UG/KG)	BENZO K FLUOR- AN- THENE BOT.MAT (UG/KG)	BENZO- A- PYRENE BOT.MAT (UG/KG)
NOV 1993												
10...	--	--	--	--	--	--	<170	<170	<170	<330	<330	<330
JAN 1994												
31...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	--	--	--	--	--	--
MAR												
15...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	--	--	--	--	--	--
JUN												
29...	0.13	<0.05	<0.05	0.05	0.15	0.5	<200	<200	<200	<400	<400	<400
AUG												
31...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	--	--	--	--	--	--

DATE	BIS (2- CHLORO- ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2- CHLORO- ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2- CHLORO- ISO- PROPYL) ETHER BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL- ATE BOT.MAT (UG/KG)	CHRY- SENE BOT.MAT (UG/KG)	DIETHYL PHTHAL- ATE BOT.MAT (UG/KG)	DI- METHYL PHTHAL- ATE BOT.MAT (UG/KG)	FLUOR- ANTHENE BOT.MAT (UG/KG)	FLUOR- ENE BOT.MAT (UG/KG)	HEXA- CHLORO- CYCLO- PENT- ADIENE BOT.MAT (UG/KG)	HEXA- CHLORO- ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3- CD) PYRENE BOT.MAT (UG/KG)
NOV 1993												
10...	<170	<170	<170	<170	<330	<170	<170	<170	<170	<1000	<170	<330
JUN												
29...	<200	<200	<200	<200	<400	<200	<200	<200	<200	<200	<200	<400

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	ISO-PHORONE	N-NITRO-SODI-N-PROPYL-AMINE	N-NITRO-SODI-PHENYL-AMINE	N-NITRO-SODI-METHYL-AMINE	NAPHTH-ALENE	NITRO-BENZENE	PARA-CHLORO-META-CRESOL	PHENAN-THRENE	PYRENE	BENZOGH IPERYL	BENZO A ANTHRAC ENE1,12	1,2-DI-CHLORO-BENZENE
	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)
NOV 1993												
10...	<170	<170	<170	--	<170	<250	<1000	<170	<170	<330	<170	<170
JUN 29...	<200	<200	<200	<200	<200	<200	<600	<200	<200	<400	<400	<200
DATE	1,2,4-TRI-CHLORO-BENZENE	1,2,5,6-DIBENZ-ANTHRA-CENE	1,3-DI-CHLORO-BENZENE	1,4-DI-CHLORO-BENZENE	2-CHLORO-NAPH-THALENE	2-CHLORO-PHENOL	2-NITRO-PHENOL	DI-N-OCTYL PHTHAL-ATE	2,4-DI-CHLORO-PHENOL	2,4-DP, IN BOTTOM MAT.	2,4-DI-NITRO-TOLUENE	2,4-DI-NITRO-PHENOL
	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)
NOV 1993												
10...	<170	<330	<170	<170	<170	<170	<170	<330	<170	<170	<170	<670
JUN 29...	<200	<400	<200	<200	<200	<200	<200	<400	<200	<200	<200	<600
DATE	2,4,6-TRI-CHLORO-PHENOL	2,6-DI-NITRO-TOLUENE	3,3'-DI-CHLORO-BENZ-DINE	4-BROMO-PHENYL ETHER	4-CHLORO-PHENYL ETHER	4-NITRO-PHENOL	4,6-DINITRO-ORTHO-CRESOL	PHENOL (C6H-5OH)	AMETRYN WATER, DISS, REC,	PROP-AZINE WATER DISS REC	CHLOR-PYRIFOS TOTAL RECOVER	
	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	(UG/L)	(UG/L)	(UG/L)	
NOV 1993												
10...	<670	<170	<830	<170	<170	<1000	<1000	<170	--	--	--	
JAN 1994												
31...	--	--	--	--	--	--	--	--	<0.05	<0.05	--	
MAR 15...	--	--	--	--	--	--	--	--	<0.05	<0.05	--	
JUN 29...	<600	<200	--	<200	<200	<600	<600	<200	<0.05	<0.05	<0.01	
AUG 31...	--	--	--	--	--	--	--	--	<0.05	<0.05	--	
DATE	DI-SYSTON TOTAL	PHORATE TOTAL	PER-THANE TOTAL	DEF TOTAL	PENTA-CHLORO-PHENOL	BIS(2-ETHYL HEXYL) PHTHAL-ATE	DI-N-BUTYL PHTHAL-ATE	BENZI-DINE	NAPH-THA-LENES, POLY-CHLOR.	PCN, TOTAL IN BOT-TOM MA-TERIAL	ALDRIN, TOTAL	
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	BOT.MAT (UG/KG)	TOTAL (UG/L)	(UG/KG)	(UG/L)	
NOV 1993												
10...	--	--	<0.05	--	<1000	<170	<170	<1700	<0.1	<100	<0.01	
JUN 29...	<0.01	<0.01	<0.1	<0.01	<600	<200	<200	--	<0.1	<1	<0.01	
DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL	LINDANE TOTAL	LINDANE TOTAL IN BOT-TOM MA-TERIAL	CHLOR-DANE, TOTAL	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL	DDD, TOTAL	DDD, TOTAL IN BOT-TOM MA-TERIAL	DDE, TOTAL	DDE, TOTAL IN BOT-TOM MA-TERIAL	DDT, TOTAL	DDT, TOTAL IN BOT-TOM MA-TERIAL	
	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	
NOV 1993												
10...	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	
JUN 29...	<0.1	<0.01	<0.1	<0.1	<1.0	<0.01	0.4	<0.01	<0.1	<0.01	0.2	

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN WATER UNFLTRD REC (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 1993											
10...	<0.01	<10	<10	--	<0.01	<10	<0.01	<10	<0.5	<500	<0.01
JUN 29...	<0.01	<0.2	<0.01	<0.1	<0.01	<0.1	<0.01	<0.2	<1	<10	<0.01
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METO- LACHLOR WATER DISSOLV (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)
NOV 1993											
10...	<10	--	<0.01	<10	<0.01	<10	<0.1	<100	<0.01	<10	<0.01
JAN 1994											
31...	--	<0.05	--	--	--	--	--	--	--	--	--
MAR 15...	--	<0.05	--	--	--	--	--	--	--	--	--
JUN 29...	<0.1	0.28	<0.01	<0.1	<0.01	<0.2	<0.1	<1	<0.01	<0.2	<0.01
AUG 31...	--	0.05	--	--	--	--	--	--	--	--	--
DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	ATRA- ZINE, WATER, DISS, REC (UG/L)	HEXA- CHLORO- BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA- CHLORO- BUT- ADIENCE BOT. MAT (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	MIREX, TOTAL (UG/L)
NOV 1993											
10...	<10	<0.01	<10	<0.01	<10	--	<170	<170	<0.5	<0.5	<0.01
JAN 1994											
31...	--	--	--	--	--	0.07	--	--	<0.01	<0.01	--
MAR 15...	--	--	--	--	--	0.11	--	--	--	--	--
JUN 29...	<0.2	<0.01	<0.2	<0.01	<0.2	1.0	<200	<200	<0.01	<0.01	<0.01
AUG 31...	--	--	--	--	--	0.14	--	--	<0.01	<0.01	--
DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	ALA- CHLOR, WATER, DISS, REC, (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	2, 4-DP TOTAL (UG/L)	FONOFOS (DY- FONATE) WATER WHOLE TOT. REC (UG/L)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L)
NOV 1993											
10...	<10	<0.50	<0.01	<10	<0.01	<10	--	<50	<0.5	--	--
JAN 1994											
31...	--	<0.01	--	--	--	--	<0.05	--	<0.01	--	<0.05
MAR 15...	--	--	--	--	--	--	<0.05	--	--	--	<0.05
JUN 29...	<0.1	<0.01	<0.01	<0.2	--	--	0.06	<1	<0.01	<0.01	0.05
AUG 31...	--	<0.01	--	--	--	--	<0.05	--	<0.01	--	<0.05

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

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.--The following samples were collected using a pump at the Belle Chasse ferry: Feb. 24, 1994 at 1105; March 16, 1994 at 0920; March 24, 1994 at 1235; April 14, 1994 at 0935; April 26, 1994 at 0935; and May 11, 1994 at 1805. A.; 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 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
NOV 1993										
10...	1315	478	7.79	13.5	5	31	11.4	2.8	--	340
FEB 1994										
24...	1100	281	7.35	7.5	10	47	11.1	2.3	K5	150
24...	1105	279	7.34	7.0	5	49	11.2	2.6	K40	K95
MAR										
16...	0915	302	7.54	9.0	10	39	10.2	1.5	<4	200
16...	0920	304	7.48	11.0	15	32	10.0	1.5	K32	190
24...	1230	304	7.63	14.0	5	36	9.5	1.3	K20	110
24...	1235	309	7.44	14.5	15	37	9.5	1.2	<4	K64
APR										
14...	0930	292	7.61	14.5	10	38	8.6	0.7	90	K28
14...	0935	290	7.59	14.0	15	36	8.8	0.9	K30	K60
26...	0930	301	7.53	19.5	5	41	7.2	0.5	24	330
26...	0935	301	7.52	20.0	5	24	7.4	0.6	22	340
MAY										
11...	1800	323	7.56	20.0	10	33	6.9	1.0	<2	160
11...	1805	329	7.50	21.0	5	33	6.8	--	<2	120
JUN										
30...	0930	439	7.73	29.0	5	28	6.1	0.1	320	K40
AUG										
01...	1200	423	7.35	27.5	5	40	7.3	0.5	140	80
31...	1700	505	7.77	30.0	5	4.5	6.8	0.4	280	74

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

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

LOWER MISSISSIPPI RIVER BASIN

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	HARD- NESS TOTAL AS CACO ₃ (MG/L)	CALCIUM DIS- (MG/L AS CA) SOLVED	MAGNE- SIUM, DIS- (MG/L AS MG) SOLVED	SODIUM, DIS- (MG/L AS NA) SOLVED	POTAS- SIUM, DIS- (MG/L AS K) SOLVED	ALKA- LITY WAT WH TOT FET MG/L AS CACO ₃ FIELD	ALKA- LITY, CARBON- ATE IT-FLD (MG/L - CACO ₃)	SULFATE DIS- (MG/L AS SO ₄) SOLVED	CHLO- RIDE, DIS- (MG/L AS CL) SOLVED	FLUO- RIDE, DIS- (MG/L AS F) SOLVED
NOV 1993										
10...	190	50	16	22	4.1	142	146	53	25	0.3
FEB 1994										
24...	110	30	8.2	12	2.7	79	79	33	15	0.1
24...	110	30	8.2	13	2.7	82	78	33	15	0.1
MAR										
16...	120	32	8.8	14	2.7	78	79	35	18	0.1
16...	120	32	8.6	14	2.7	82	79	35	20	0.2
24...	120	32	9.0	13	2.8	83	--	35	18	0.1
24...	110	31	8.8	13	2.8	83	--	35	18	0.1
APR										
14...	110	30	8.5	11	2.3	79	78	35	15	0.1
14...	110	30	8.3	11	2.2	79	--	36	15	0.1
26...	110	31	8.6	13	2.4	82	--	34	15	0.1
26...	110	31	8.6	13	2.4	83	--	34	16	0.2
MAY										
11...	130	35	9.8	13	2.8	91	--	37	16	0.2
11...	130	35	9.8	13	2.7	91	--	37	16	0.2
JUN										
30...	170	43	14	25	3.9	120	--	51	28	0.3
AUG										
01...	170	43	14	25	3.6	121	122	49	29	0.2
31...	160	41	14	27	3.5	129	--	55	31	0.3
DATE	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO ₂)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV 1993										
10...	7.7	271	273	0.03	1.6	0.03	0.5	0.22	0.09	0.10
FEB 1994										
24...	6.7	168	161	0.07	1.2	0.06	0.6	0.22	0.04	0.04
24...	6.8	159	161	0.07	1.2	0.06	0.5	0.20	0.05	0.04
MAR										
16...	6.7	177	170	0.10	1.2	0.06	0.5	0.24	0.03	0.04
16...	6.0	183	172	0.10	1.2	0.07	0.4	0.17	0.05	0.05
24...	6.5	193	172	0.10	1.3	0.04	0.6	0.16	0.03	0.04
24...	6.6	183	171	0.07	1.3	0.05	0.4	0.16	0.03	0.04
APR										
14...	5.6	168	159	0.10	1.1	0.04	0.4	0.13	0.04	0.04
14...	5.6	161	161	0.07	1.1	0.05	0.4	0.14	0.04	0.04
26...	4.6	173	162	0.10	0.90	0.03	0.4	0.22	0.05	0.04
26...	4.6	170	164	0.10	0.91	0.03	0.5	0.14	0.04	0.04
MAY										
11...	4.9	199	179	0.07	1.1	0.02	0.4	0.06	0.05	0.04
11...	5.0	190	179	0.07	1.2	0.02	0.3	0.06	0.05	0.04
JUN										
30...	5.2	241	248	--	1.1	0.02	0.5	0.16	0.09	0.09
AUG										
01...	8.3	260	254	0.03	1.8	0.04	0.5	0.17	0.10	0.10
31...	3.5	276	256	0.07	0.79	0.03	0.3	0.10	0.06	0.06

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

LOWER MISSISSIPPI RIVER BASIN

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM, DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV 1993												
10...	10	77	<3	6	6	<1	<10	2	<1	<1	190	<6
MAR												
16...	30	48	<3	35	<4	9	<10	2	<1	<1	120	<6
16...	100	47	<3	61	7	9	<10	2	<1	<1	120	<6
MAY												
11...	20	54	<3	24	5	3	<10	1	<1	<1	130	<6
11...	40	55	<3	30	<4	5	<10	2	<1	<1	130	<6
JUN												
30...	20	69	<3	4	9	<1	<10	2	<1	<1	190	<6

DATE	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)
NOV 1993				
10...	<1.0	0.02	0.08	1.6
JUN				
30...	<1.0	0.02	0.10	1.7

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 1993				
10...	303000	64	52400	99
FEB 1994				
24...	784000	228	483000	51
MAR				
16...	670000	188	340000	53
24...	683000	143	264000	66
APR				
14...	737000	158	314000	53
26...	707000	--	--	--
MAY				
11...	883000	126	300000	66
JUN				
30...	303000	105	85900	100
AUG				
01...	352000	38	36100	95
31...	240000	11	7130	97

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

MISSISSIPPI RIVER DELTA

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

LOCATION.—Lat 29° 38' 12", long 89° 33' 49", Plaquemines Parish, Hydrologic Unit 08090203, on a 3 pile platform 13 miles east northeast of Pointe a la Hache.

DRAINAGE AREA.—Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1992 to current year.

GAGE.—Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 8.4 ft below sea level (levels determined by Global Positioning System).

REMARKS.—Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 13.38 ft, Oct. 3, 1992; Minimum, 5.39 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height, 12.51 ft, Sept. 15; minimum gage height, 6.50 ft, Jan. 3.

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.36	9.49	9.95	9.70	8.45	9.05	10.94	8.56	9.64	10.09	8.33	9.26
2	10.37	8.98	9.74	10.08	8.46	9.26	10.95	9.05	10.03	10.09	8.82	9.45
3	10.39	9.13	9.78	10.14	8.32	9.25	10.91	9.05	9.91	9.71	6.50	8.11
4	10.34	9.15	9.77	10.20	8.58	9.41	10.63	8.59	9.46	8.72	7.35	8.01
5	10.55	9.50	9.98	10.22	8.60	9.39	9.68	8.56	9.12	9.29	8.09	8.61
6	10.61	9.38	9.96	9.84	8.54	9.08	9.58	8.72	9.12	9.55	7.92	8.80
7	11.57	10.13	10.75	9.86	9.00	9.46	9.82	9.24	9.55	9.75	8.09	8.96
8	11.57	9.75	10.58	9.73	9.18	9.46	9.99	8.72	9.33	9.95	7.73	8.80
9	10.82	9.33	10.08	10.01	9.41	9.72	10.22	8.57	9.46	10.11	8.45	9.29
10	10.52	9.34	10.04	9.95	9.41	9.62	10.25	8.43	9.40	11.00	8.34	9.42
11	10.35	9.22	9.88	10.45	8.90	9.65	10.23	8.33	9.27	10.92	8.88	9.71
12	10.29	9.74	10.05	10.87	8.97	9.92	10.45	8.74	9.59	10.31	8.46	9.19
13	10.49	9.91	10.13	11.21	9.08	10.13	11.19	8.70	9.91	9.99	8.46	9.09
14	10.81	9.82	10.36	11.14	8.78	9.89	11.03	7.90	9.02	9.40	7.51	8.30
15	11.10	9.64	10.40	10.83	8.47	9.70	10.22	8.11	9.10	9.34	8.05	8.49
16	11.30	9.43	10.40	10.77	8.70	9.75	10.23	8.45	9.21	10.62	9.06	9.76
17	11.30	9.33	10.27	10.77	8.35	9.44	9.76	8.53	9.22	10.50	8.34	9.30
18	11.36	8.95	10.17	10.23	8.86	9.55	9.77	8.71	9.23	9.16	8.63	8.97
19	11.35	10.86	11.19	9.98	8.56	9.26	9.96	9.22	9.53	9.33	8.89	9.09
20	11.18	9.07	10.03	9.58	8.77	9.15	9.95	8.95	9.54	9.54	8.57	8.99
21	11.29	10.23	11.07	9.81	9.17	9.54	9.72	8.47	9.15	9.45	8.24	8.84
22	11.33	9.37	10.22	9.57	9.19	9.33	10.27	8.78	9.51	9.39	8.10	8.71
23	10.43	9.70	10.10	9.44	8.89	9.20	9.94	8.54	9.27	9.65	7.61	8.63
24	10.94	9.69	10.41	9.37	8.40	8.94	9.89	8.84	9.37	9.79	7.78	8.82
25	10.40	9.72	10.17	9.63	8.29	9.00	9.23	7.19	8.04	9.88	7.85	8.90
26	10.38	9.88	10.07	9.65	8.28	9.07	9.29	7.77	8.53	10.26	7.86	9.03
27	9.99	9.22	9.64	10.17	8.39	9.22	10.14	7.36	8.67	10.22	8.32	9.38
28	10.01	9.07	9.54	9.94	8.22	9.07	10.04	7.75	8.89	10.08	8.00	8.96
29	10.19	8.98	9.60	9.91	7.88	8.94	10.02	7.81	8.82	9.59	8.68	9.17
30	9.91	7.71	8.70	10.49	7.91	9.10	10.02	8.68	9.23	9.59	8.76	9.07
31	9.70	7.61	8.37	—	—	—	9.94	8.44	9.24	9.21	8.11	8.83
MONTH	11.57	7.61	10.05	11.21	7.88	9.38	11.19	7.19	9.27	11.00	6.50	8.97

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.34	8.06	8.71	10.20	9.21	9.83	9.77	8.06	8.95	10.31	8.87	9.66
2	9.27	7.78	8.57	9.21	7.07	8.11	9.90	7.80	8.90	10.59	9.27	9.98
3	9.46	7.57	8.54	8.99	7.00	8.05	9.35	8.08	8.82	9.99	9.14	9.54
4	9.64	7.84	8.75	9.10	7.11	8.11	9.81	8.18	9.15	9.90	9.03	9.43
5	9.83	7.67	8.80	9.64	7.29	8.52	9.83	8.83	9.42	10.10	9.04	9.53
6	9.74	7.74	8.84	9.74	7.81	8.87	9.76	8.87	9.51	9.60	8.83	9.19
7	9.84	7.85	8.87	9.82	8.10	9.01	9.75	9.07	9.44	9.60	8.37	9.10
8	9.80	8.14	9.05	9.95	8.46	9.26	9.69	9.13	9.47	9.37	8.24	8.89
9	10.00	8.12	9.11	9.93	8.75	9.30	9.84	9.29	9.57	9.84	8.44	9.19
10	10.00	8.67	9.26	9.34	8.47	8.82	10.16	9.37	9.89	9.79	8.54	9.35
11	9.30	7.37	8.30	9.43	8.50	8.96	10.49	9.43	10.02	10.10	8.29	9.35
12	9.50	8.78	9.06	9.33	8.88	9.16	10.31	8.73	9.81	9.87	8.02	9.14
13	9.21	8.05	8.53	9.45	8.58	9.08	10.42	8.78	9.69	10.09	8.02	9.17
14	9.51	8.72	9.17	9.62	8.40	9.01	10.26	8.89	9.70	10.08	8.27	9.27
15	9.50	8.59	8.98	9.40	7.99	8.83	10.44	8.84	9.75	10.11	8.34	9.35
16	9.53	8.57	9.11	9.89	8.03	9.03	10.86	9.00	10.03	10.04	8.71	9.45
17	9.78	8.34	9.10	9.98	8.38	9.27	10.97	9.19	10.04	10.57	8.77	9.72
18	10.03	8.45	9.29	9.61	8.31	8.96	10.12	8.77	9.49	10.12	9.21	9.68
19	10.25	8.84	9.59	9.80	8.10	8.98	10.15	8.71	9.53	10.47	9.19	9.89
20	10.43	8.62	9.57	10.07	8.36	9.27	10.04	9.11	9.56	10.43	9.19	9.95
21	10.12	8.46	9.42	9.76	8.39	9.18	10.07	9.17	9.64	10.15	8.74	9.47
22	10.29	8.80	9.62	10.07	8.45	9.41	9.69	9.17	9.42	10.18	8.50	9.29
23	10.11	8.71	9.52	9.70	8.62	9.29	10.20	9.45	9.81	9.80	8.12	9.16
24	9.97	8.15	9.14	9.54	8.67	9.18	10.96	9.55	10.36	10.12	8.18	9.22
25	9.97	8.53	9.25	9.83	8.36	9.16	10.39	8.90	9.82	10.30	8.05	9.33
26	9.74	8.81	9.19	9.87	9.26	9.61	10.41	8.64	9.69	10.46	8.03	9.36
27	9.84	8.88	9.44	10.22	8.81	9.71	10.52	8.73	9.73	10.35	8.03	9.35
28	10.12	9.09	9.63	10.56	8.31	9.61	10.71	8.84	9.82	10.81	8.71	9.89
29	---	---	---	9.96	7.83	9.11	10.79	8.87	9.94	10.59	8.71	9.67
30	---	---	---	10.00	7.80	8.95	10.60	9.25	9.91	10.05	8.89	9.62
31	---	---	---	9.98	7.44	8.89	---	---	---	10.19	9.56	9.88
MONTH	10.43	7.37	9.09	10.56	7.00	9.05	10.97	7.80	9.63	10.81	8.02	9.45
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.99	9.35	9.62	9.56	8.98	9.27	10.03	8.61	9.37	10.32	8.60	9.64
2	9.85	9.07	9.46	10.00	9.33	9.71	10.84	9.04	9.88	9.99	8.57	9.42
3	9.80	9.01	9.44	10.57	9.42	9.97	10.94	8.69	9.93	10.25	8.67	9.57
4	9.93	8.80	9.39	10.12	8.22	9.34	10.45	8.80	9.66	10.48	9.50	10.04
5	10.12	8.85	9.46	10.09	8.03	9.13	10.36	8.68	9.60	10.41	9.63	10.02
6	9.83	8.91	9.41	9.95	8.15	9.16	10.50	8.79	9.74	10.19	9.53	9.90
7	10.19	8.40	9.53	10.23	8.49	9.55	10.28	8.80	9.63	10.19	9.33	9.83
8	10.06	8.15	9.25	10.88	8.79	9.82	10.55	8.95	9.92	10.32	9.17	9.81
9	10.00	7.76	9.07	11.00	8.89	9.97	10.66	9.50	10.12	10.58	9.37	10.04
10	9.87	7.76	8.91	10.68	8.89	9.82	10.22	9.52	9.82	10.87	9.14	10.03
11	9.82	7.98	9.12	10.53	8.91	9.92	10.19	9.77	9.96	10.87	9.34	10.13
12	9.91	8.34	9.11	10.31	8.91	9.75	10.45	9.92	10.19	11.02	9.56	10.28
13	9.53	8.32	9.06	9.93	8.98	9.45	10.95	9.91	10.34	11.43	10.22	10.85
14	9.54	8.28	9.13	9.82	9.11	9.49	10.88	9.60	10.20	11.44	10.55	11.08
15	9.51	8.60	9.13	---	---	---	10.90	9.11	10.11	12.51	11.00	11.68
16	9.28	8.66	8.97	---	---	---	10.90	8.81	9.92	11.54	9.64	10.67
17	9.40	8.60	9.03	---	---	---	10.70	8.52	9.66	10.23	9.00	9.79
18	10.07	8.85	9.63	---	---	---	10.30	8.48	9.53	10.31	9.21	9.71
19	10.68	9.76	10.26	---	---	---	10.32	8.51	9.46	10.15	9.42	9.90
20	10.66	8.22	9.74	---	---	---	10.16	8.68	9.48	11.25	9.42	10.11
21	10.23	7.93	9.19	---	---	---	9.55	8.63	9.20	11.42	10.20	10.71
22	10.25	7.87	9.21	9.78	8.07	8.99	10.11	8.88	9.48	10.73	9.74	10.22
23	9.86	7.87	8.92	9.94	8.14	9.14	9.89	9.15	9.52	10.48	9.26	9.87
24	9.94	7.89	9.02	10.02	8.35	9.28	9.88	9.16	9.56	10.60	9.37	9.94
25	9.94	7.93	8.97	9.65	8.35	9.08	10.51	9.59	9.99	10.04	9.02	9.50
26	9.78	7.93	8.91	9.19	8.59	8.95	10.51	9.72	10.13	10.41	9.00	9.68
27	9.42	8.08	8.80	8.94	8.26	8.60	10.44	9.81	10.22	10.24	8.85	9.53
28	9.16	8.28	8.78	9.68	8.69	9.38	10.56	9.80	10.28	10.17	9.25	9.73
29	8.97	8.30	8.69	9.65	9.20	9.37	10.82	9.19	9.91	10.54	9.65	10.16
30	9.30	8.42	9.02	9.79	8.99	9.36	10.53	8.91	9.76	11.45	10.46	10.82
31	---	---	---	9.97	8.56	9.36	10.36	8.84	9.74	---	---	---
MONTH	10.68	7.76	9.21	11.00	8.03	9.41	10.95	8.48	9.82	12.51	8.57	10.09

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 35,300 microsiemens, July 3, 1994; minimum daily mean, 291 microsiemens, Mar. 3, 1994.

WATER TEMPERATURE: Maximum daily, 32.2° C, Aug. 1, 1993; minimum daily, 6.6° C Jan. 20, 1994.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 35,300 microsiemens, July 3; minimum daily, 291 microsiemens, Mar. 3.

WATER TEMPERATURE: Maximum daily, 32.2° C, June 16; minimum daily, 6.6° C Jan. 20.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24300	23700	24100	24900	19900	21600	30300	26300	28400	24000	18100	21400
2	24300	22000	23400	26200	20400	23200	30700	27800	29500	23800	18300	21800
3	24100	22000	23000	29600	20900	24000	30900	27000	29400	23100	4350	13600
4	23600	21400	22400	29800	19700	24100	30100	23900	27500	15200	6050	8840
5	23800	22000	23000	27600	21500	23800	27300	23300	24500	19100	11100	15400
6	24200	22200	23200	23800	19100	22100	26600	21700	23600	19100	10900	16000
7	27300	22600	24200	29400	22300	26800	27900	25000	26800	18800	10700	15500
8	27300	24800	26300	28300	24300	26800	27600	20700	24400	20600	9890	15600
9	26500	23100	24800	29000	26400	28000	27700	21700	24900	21700	17000	19700
10	25600	23500	24500	28700	25700	26900	27600	22700	24800	24900	17000	20200
11	25500	21600	24200	30600	26300	28200	26200	21200	23900	25000	19900	22500
12	26000	23900	25100	30600	27200	29100	26800	24500	25600	23500	17700	21200
13	26100	24900	25500	30400	28200	29200	26900	24100	25600	23800	1370	19100
14	26300	22300	24900	30100	27700	28800	26200	18100	22200	20900	6800	10900
15	25300	20700	23200	29600	24600	27700	24100	15900	20000	18000	7710	10400
16	23800	21000	22400	29600	26200	27900	25300	17400	20800	28200	16300	21600
17	23500	21800	22500	28800	23300	26100	22700	16900	20000	28400	13400	21200
18	23000	21700	22600	27300	22300	25700	23100	15100	19500	22600	15300	19500
19	23000	21400	22500	26800	20400	23900	24800	16600	22100	24300	17100	21300
20	23300	21900	22600	25200	21500	22700	25000	17800	21800	24500	11500	18500
21	22800	21900	22400	27800	24100	25800	23400	16500	19900	23300	10300	18000
22	23100	22300	22700	26200	23900	24800	25300	16200	22100	23800	7490	16700
23	23800	22500	23500	26600	21300	24600	25400	17500	22400	25200	3630	15100
24	26600	23300	24500	26200	17900	23000	25300	19200	23500	26700	9040	18600
25	24600	23800	24100	26900	19000	23700	19200	5950	11400	25100	9470	17000
26	24600	22500	23600	28000	22400	24700	19000	6460	12400	24200	10700	17700
27	22500	20200	21200	28700	24200	26600	20700	10000	14900	24200	16300	19800
28	22900	19300	20800	28300	21900	25600	20700	13100	16600	21000	10800	14200
29	22900	18800	20900	28100	21700	24600	22500	13000	16900	18000	13700	15400
30	20400	14500	17000	29200	22900	25900	24600	20200	22500	19100	7820	13900
31	21300	12800	17300	---	---	---	24000	19300	21600	19300	4620	12900
MONTH	27300	12800	23000	30600	17900	25500	30900	5950	22200	19100	1370	17200

MISSISSIPPI RIVER DELTA

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

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	24100	2900	16300	22400	19400	21800	18000	12000	14800	14900	13900	14500
2	20100	7100	12700	19400	1770	8230	17900	12700	14800	15700	14400	15000
3	19900	6890	12800	13900	291	6410	14900	13300	14100	15600	13600	14700
4	19100	10600	14900	10900	3530	7530	17800	12900	15300	14600	11700	13300
5	20600	8000	12300	13700	4960	9300	18200	14600	16800	14400	11700	13300
6	19400	12000	14600	15700	8360	12000	17800	15200	16800	13100	12400	12800
7	21400	10700	15500	15800	9940	12800	18100	15700	16800	12600	10700	12000
8	20600	12100	15500	15600	11000	13800	18800	17000	18100	11300	10000	10900
9	18000	11500	14600	15500	11100	13700	18900	17500	18300	10900	9910	10600
10	18000	13400	14900	15200	11200	13100	20800	18400	19600	11000	10400	10600
11	13900	5070	9280	15400	8920	14200	22200	20200	21300	10900	9740	10500
12	14900	12200	13500	16700	10100	14900	20200	15700	17200	10800	9630	10400
13	14200	8920	11700	16800	10500	14700	18200	17000	17500	10500	9750	10100
14	20400	12200	18200	15900	10400	13000	18100	16600	17300	10200	9070	9710
15	19000	13600	16300	14400	10200	12000	17500	15200	16700	9460	8960	9200
16	21200	13300	17900	17500	10200	13500	17700	15500	16400	10000	8570	9270
17	25200	9330	17800	17600	13600	15700	18900	16800	17700	10100	9030	9530
18	26400	12600	21000	16700	13500	15200	18000	16100	17200	10800	9600	10100
19	26300	21400	24600	16700	12600	14600	18100	15200	16900	10800	8790	9700
20	26700	20500	24600	17100	13300	15200	18200	16400	17300	11200	9220	10600
21	26700	20000	24100	15400	13200	14400	17500	15400	16400	11200	10500	10800
22	25600	20100	22800	16100	13000	14800	16300	14400	15100	10800	10200	10400
23	24400	18200	20400	16400	14300	15800	17200	13900	15800	10700	9290	10300
24	22500	11700	18100	16200	13200	14400	17700	16800	17400	10800	9290	10300
25	22700	13100	18100	14300	11000	12800	17700	16400	17000	11000	9740	10300
26	20400	16100	18300	16200	13400	15300	17500	15400	16700	10700	9560	10100
27	23500	19300	21400	15200	11300	13200	17100	15300	16200	10100	9400	9840
28	22600	18900	20800	16200	11600	13500	17700	15500	16400	11200	9690	10400
29	---	---	---	15300	12400	13800	17700	15700	16400	11200	10100	10600
30	---	---	---	15600	11700	13800	17700	14100	15600	10800	9640	10100
31	---	---	---	16300	10100	13700	---	---	---	11100	10400	10700
MONTH	26700	2900	17200	22400	291	13500	22200	12000	16800	15700	8570	11000
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10500	9640	10100	28400	13300	22900	22600	13500	17300	20100	15900	18400
2	9750	8790	9160	31600	24500	30600	23400	15000	20300	18700	13100	18400
3	9260	8460	8890	35300	25700	32100	23300	17300	20700	18500	14000	16900
4	9100	8180	8680	29200	16100	27500	21000	15700	18700	22400	17000	20100
5	8920	7970	8510	28600	16100	24900	19300	15000	17400	22500	21000	21900
6	8920	7280	7900	29800	21500	25100	20100	15000	17900	21900	18700	20600
7	8650	7650	8040	28400	22600	25500	19900	16100	18000	21000	17800	19500
8	8640	7410	8010	28500	23100	25900	21900	17000	19600	21300	17700	19800
9	8520	7050	7760	31400	23800	26800	23400	19300	21500	22700	19500	21300
10	8180	7230	7850	28200	22500	25600	21500	17600	20300	23800	19400	21700
11	8470	7940	8190	26600	22200	24900	22100	20600	21400	23600	20300	22100
12	8900	7950	8520	25100	22000	23600	23100	21800	22500	24100	21100	22700
13	9170	8230	8670	23200	18900	21200	24100	22000	23500	26200	21200	24300
14	9480	8540	8810	20100	16500	19200	24200	19500	22100	26400	23900	25600
15	9570	9020	9420	---	---	---	25400	20800	23100	31500	25500	27300
16	9660	9030	9390	---	---	---	24300	18500	22200	27300	19600	24300
17	9560	8070	9160	---	---	---	23000	17300	20600	21700	14900	18300
18	11300	8130	10100	---	---	---	21200	17100	19600	17500	15000	16100
19	20700	10700	16800	---	---	---	18900	15000	17300	17700	14400	16600
20	21500	11000	16700	---	---	---	18000	15000	16600	24500	8920	17300
21	19200	8990	13700	---	---	---	15300	12700	14500	---	---	---
22	15000	8990	12300	19500	11800	16500	16300	13300	15000	---	---	---
23	11500	6720	9690	17600	11700	14500	17200	14800	16100	---	---	---
24	8830	6550	7640	19800	11600	15600	18600	16400	17200	---	---	---
25	8460	6450	7320	15700	12700	14300	22800	17400	19500	---	---	---
26	9530	6010	7230	13900	10700	12600	23300	21300	22500	---	---	---
27	7520	5600	6550	11900	6800	9310	24100	21800	23300	---	---	---
28	7330	5800	6430	19400	7580	15000	25000	22600	23700	---	---	---
29	7990	6020	6930	22500	16700	18800	22900	19000	21400	22300	18200	20000
30	13500	6130	9670	20500	13600	16500	22900	17400	20000	25600	19800	23600
31	---	---	---	22100	14500	16900	20400	16500	18900	---	---	---
MONTH	21500	5600	9270	---	---	---	25400	12700	19700	---	---	---

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.9	23.4	25.3	--	--	--	--	--	--	--	--	--
2	26.1	23.7	24.7	--	--	--	--	--	--	--	--	--
3	26.7	24.8	25.6	--	--	--	--	--	--	--	--	--
4	28.1	25.5	26.3	--	--	--	--	--	--	--	--	--
5	27.3	26.1	26.6	--	--	--	--	--	--	--	--	--
6	27.2	25.8	26.4	--	--	--	--	--	--	--	--	--
7	26.8	25.9	26.2	--	--	--	--	--	--	--	--	--
8	26.5	25.4	26.1	--	--	--	--	--	--	--	--	--
9	26.7	25.8	26.3	--	--	--	--	--	--	--	--	--
10	26.0	24.3	25.1	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	11.2	10.4	11.0
14	--	--	--	--	--	--	--	--	--	11.5	10.0	10.6
15	--	--	--	--	--	--	--	--	--	11.4	10.3	10.7
16	--	--	--	--	--	--	--	--	--	10.8	10.0	10.4
17	--	--	--	--	--	--	--	--	--	12.1	10.7	11.4
18	--	--	--	--	--	--	--	--	--	11.2	8.5	9.8
19	--	--	--	--	--	--	--	--	--	8.5	6.8	7.4
20	--	--	--	--	--	--	--	--	--	8.2	6.6	7.4
21	--	--	--	--	--	--	--	--	--	8.7	7.5	8.2
22	--	--	--	--	--	--	--	--	--	9.2	7.8	8.7
23	--	--	--	--	--	--	--	--	--	10.2	8.5	9.4
24	--	--	--	--	--	--	--	--	--	11.6	9.7	10.7
25	--	--	--	--	--	--	--	--	--	13.6	10.9	11.9
26	--	--	--	--	--	--	--	--	--	14.8	11.8	13.4
27	--	--	--	--	--	--	--	--	--	14.9	13.2	14.2
28	--	--	--	--	--	--	--	--	--	16.6	14.6	15.6
29	--	--	--	--	--	--	--	--	--	14.8	12.7	13.9
30	--	--	--	--	--	--	--	--	--	12.7	11.5	12.1
31	--	--	--	--	--	--	--	--	--	11.6	9.8	10.6
MONTH	--	--	--	--	--	--	--	--	--	--	--	--
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.4	8.6	9.3	16.1	15.1	15.6	18.4	16.0	17.2	25.2	24.7	25.0
2	9.9	8.0	8.9	15.8	12.7	14.8	18.8	16.5	17.7	24.9	24.2	24.4
3	9.8	8.4	9.2	13.5	11.2	12.5	19.4	17.7	18.6	24.9	23.8	24.3
4	10.6	9.6	10.0	13.9	12.2	13.1	19.6	17.8	18.7	24.8	23.2	24.0
5	12.3	10.6	11.4	14.7	13.2	14.1	20.6	18.7	19.6	25.1	23.3	24.1
6	13.7	11.8	12.8	15.6	14.5	15.0	20.5	18.7	19.8	25.8	23.6	24.6
7	14.5	13.1	14.0	17.1	15.3	16.3	18.9	17.3	18.1	26.4	24.6	25.5
8	16.8	14.0	15.7	18.4	16.7	17.7	19.8	17.5	18.5	26.9	25.3	26.0
9	17.9	16.2	17.1	18.3	16.5	18.0	21.4	18.7	19.9	28.2	26.0	26.8
10	18.8	16.7	18.0	16.5	14.4	15.2	23.0	20.6	21.7	27.9	26.6	27.1
11	19.0	16.1	17.2	15.3	13.2	14.3	23.8	22.0	22.8	28.3	26.6	27.3
12	16.1	15.2	15.7	15.9	13.7	14.7	23.9	23.0	23.4	29.3	26.6	27.7
13	15.8	13.7	15.1	16.8	14.7	15.7	23.5	21.9	22.7	29.2	27.0	28.1
14	13.8	12.2	13.0	17.8	16.0	16.8	23.3	21.6	22.4	28.2	27.3	27.8
15	13.1	12.2	12.7	17.7	17.0	17.3	24.0	22.9	23.5	28.9	27.1	27.8
16	13.6	12.8	13.2	17.5	16.8	17.2	23.6	22.2	23.0	29.5	27.3	28.3
17	14.6	13.1	13.8	17.6	16.2	16.9	22.2	20.9	21.3	28.7	27.3	28.0
18	15.7	14.3	15.0	19.1	16.7	17.8	21.4	20.3	20.9	28.2	26.5	27.1
19	16.8	15.5	16.2	19.9	18.3	19.1	22.3	20.8	21.5	26.7	24.9	25.8
20	17.9	16.8	17.5	20.7	19.4	20.0	22.8	21.8	22.3	25.2	23.6	24.5
21	18.8	17.6	18.3	21.4	20.4	20.8	24.0	22.3	22.9	25.8	23.9	24.6
22	19.6	18.3	19.0	21.4	20.4	20.8	25.3	23.1	23.7	25.9	23.8	24.8
23	20.1	18.1	19.4	22.0	20.5	21.2	25.5	24.0	24.7	26.4	24.5	25.4
24	18.1	15.9	16.6	23.2	21.8	22.5	25.2	24.2	24.6	26.9	24.7	25.6
25	16.8	15.1	16.1	23.3	22.4	23.0	26.0	24.1	25.0	27.2	25.0	25.9
26	17.1	15.5	16.4	22.4	21.6	22.0	26.6	24.9	25.6	26.6	25.0	25.9
27	15.5	14.1	14.8	23.6	22.0	22.8	27.1	25.2	26.0	27.0	25.4	26.1
28	15.2	13.6	14.5	23.2	18.7	21.3	27.1	25.4	26.2	27.1	25.9	26.4
29	--	--	--	19.5	17.6	18.5	27.1	25.6	26.3	27.5	25.9	26.7
30	--	--	--	19.7	17.3	18.4	26.3	25.1	25.8	26.9	25.9	26.4
31	--	--	--	18.5	16.8	17.7	--	--	--	27.9	25.5	26.6
MONTH	20.1	8.0	14.7	23.6	11.2	17.8	27.1	16.0	22.1	29.5	23.2	26.1

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.5	26.3	26.9	31.0	28.6	29.9	---	---	---	---	---	---
2	28.8	26.4	27.5	30.4	28.9	29.7	---	---	---	---	---	---
3	29.5	27.5	28.4	30.6	28.9	29.6	---	---	---	30.1	28.6	29.2
4	30.0	28.2	29.0	31.2	29.4	30.1	---	---	---	29.7	28.4	29.0
5	29.1	28.0	28.7	30.9	29.5	30.2	---	---	---	29.2	27.7	28.5
6	28.5	27.5	27.9	31.0	29.4	30.0	---	---	---	29.8	27.8	28.6
7	29.6	27.6	28.2	29.9	28.5	29.5	---	---	---	30.0	28.2	29.0
8	30.2	28.0	29.1	28.5	27.5	28.2	---	---	---	30.3	28.7	29.3
9	30.5	28.7	29.5	28.4	27.1	27.8	---	---	---	30.6	28.7	29.6
10	29.3	27.7	28.9	28.0	27.1	27.5	---	---	---	30.1	28.7	29.4
11	28.9	27.7	28.1	27.6	26.7	27.1	---	---	---	29.4	28.4	28.9
12	28.4	27.5	27.9	28.1	26.6	27.2	---	---	---	29.2	28.1	28.6
13	30.3	27.4	28.5	27.8	26.8	27.3	---	---	---	28.5	27.4	27.9
14	30.7	28.3	29.4	28.6	27.1	27.8	---	---	---	27.6	26.8	27.2
15	31.0	28.8	29.9	---	---	---	---	---	---	26.8	26.2	26.4
16	32.2	29.4	30.6	---	---	---	---	---	---	27.8	26.0	26.8
17	31.1	28.8	29.8	---	---	---	---	---	---	28.7	26.8	27.6
18	28.8	27.7	28.4	---	---	---	---	---	---	28.2	27.0	27.6
19	28.2	27.3	27.7	---	---	---	---	---	---	27.9	26.4	27.2
20	28.4	26.8	27.6	---	---	---	---	---	---	28.0	27.0	27.5
21	29.4	27.4	28.2	---	---	---	---	---	---	27.3	26.2	26.7
22	28.4	27.3	28.1	29.0	27.5	28.3	---	---	---	26.6	25.9	26.2
23	27.3	25.7	26.5	28.4	27.0	27.6	---	---	---	26.3	25.7	26.0
24	26.4	25.3	25.8	30.6	27.8	28.6	---	---	---	26.1	24.8	25.5
25	27.6	25.5	26.4	---	---	---	---	---	---	25.7	24.4	25.1
26	28.4	26.8	27.6	---	---	---	---	---	---	25.0	23.7	24.3
27	29.1	27.4	28.2	---	---	---	---	---	---	25.9	23.7	24.6
28	30.0	27.9	28.8	---	---	---	---	---	---	26.8	24.8	25.6
29	30.1	28.4	29.2	---	---	---	---	---	---	26.7	25.6	26.1
30	30.9	28.5	29.4	---	---	---	---	---	---	27.0	26.1	26.5
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	32.2	25.3	28.3	---	---	---	---	---	---	30.6	23.7	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 3 pile platform 13.0 mi east south-east of Point-A-La-Hache.

DRAINAGE AREA.—Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1992 to current year.

GAGE.—Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 8.1 ft below sea level (levels determined by Global Positioning System).

REMARKS.—Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 12.97 ft, Oct. 3, 1993; minimum, 6.10 ft, Jan. 3, 1994.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height, 12.30 ft, Sept. 15; minimum gage height, 6.10 ft, Jan. 3.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.90	9.11	9.56	9.67	8.15	8.82	10.59	8.26	9.31	9.64	7.85	8.78
2	9.92	8.53	9.30	9.70	8.15	8.92	10.68	8.74	9.74	9.64	8.29	8.97
3	9.97	8.73	9.35	9.75	7.95	8.87	10.62	8.69	9.58	9.18	6.10	7.63
4	9.90	8.75	9.34	9.84	8.31	9.06	10.26	8.32	9.07	8.35	6.63	7.51
5	10.10	9.14	9.59	9.82	8.13	8.98	9.26	8.27	8.73	8.86	7.65	8.14
6	10.20	9.04	9.59	9.60	8.25	8.87	9.20	8.38	8.76	9.17	7.49	8.38
7	11.25	9.81	10.39	9.69	8.66	9.21	9.44	8.88	9.19	9.44	7.67	8.64
8	11.25	9.42	10.26	9.43	8.92	9.17	9.60	8.31	8.94	9.60	7.46	8.48
9	10.41	8.93	9.70	9.80	9.15	9.46	9.91	8.17	9.10	9.67	8.20	8.94
10	10.19	8.98	9.72	9.73	9.14	9.37	9.93	8.09	9.06	10.64	7.90	9.01
11	9.98	8.83	9.51	10.06	8.52	9.29	10.03	8.14	9.02	10.58	8.41	9.32
12	9.89	9.32	9.63	10.51	8.56	9.53	10.06	8.32	9.24	9.86	8.00	8.85
13	10.04	9.47	9.71	10.87	8.71	9.76	10.78	8.26	9.44	9.78	8.19	8.86
14	10.59	9.46	10.05	10.83	8.55	9.58	10.62	7.33	8.55	9.11	7.19	7.98
15	10.71	9.36	10.11	10.56	8.20	9.44	9.77	7.63	8.63	9.10	7.86	8.23
16	10.89	9.11	10.04	10.56	8.40	9.49	9.81	8.00	8.78	10.32	8.84	9.50
17	10.92	8.91	9.87	10.41	8.04	9.12	9.31	8.16	8.78	10.25	8.23	9.08
18	10.55	8.54	9.62	10.02	8.53	9.25	9.33	8.26	8.78	8.97	8.40	8.80
19	10.31	9.93	10.13	9.64	8.27	8.96	9.56	8.85	9.14	9.21	8.68	8.94
20	10.15	8.62	9.45	9.44	8.55	8.99	9.46	8.59	9.09	9.29	8.37	8.76
21	10.21	9.69	9.97	9.57	8.93	9.29	9.23	8.12	8.73	9.19	8.09	8.63
22	10.17	9.15	9.70	9.29	8.93	9.06	9.92	8.41	9.13	9.08	7.91	8.47
23	10.17	9.46	9.86	9.30	8.59	9.00	9.55	8.12	8.85	9.38	7.36	8.35
24	10.79	9.40	10.22	9.05	8.06	8.63	9.39	8.51	8.97	9.52	7.53	8.56
25	10.17	9.42	9.92	9.30	7.96	8.69	8.78	6.64	7.56	9.61	7.57	8.63
26	10.06	9.58	9.77	9.36	7.96	8.77	8.80	7.27	8.02	10.00	7.60	8.76
27	9.67	8.94	9.37	9.77	8.07	8.89	9.64	6.88	8.14	9.98	8.11	9.08
28	10.27	9.27	10.00	9.60	7.72	8.60	9.59	7.28	8.40	9.77	7.81	8.73
29	10.31	8.68	9.56	9.51	7.41	8.49	9.61	7.38	8.38	9.38	8.48	8.95
30	9.60	7.61	8.50	10.09	7.58	8.71	9.61	8.34	8.87	9.38	8.61	8.87
31	9.39	7.20	8.06	—	—	—	9.50	8.03	8.82	9.03	7.96	8.64
MONTH	11.25	7.20	9.67	10.87	7.41	9.08	10.78	6.64	8.86	10.64	6.10	8.66

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT(FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.23	7.90	8.52	9.82	8.85	9.50	9.34	7.59	8.46	10.09	8.56	9.39
2	8.99	7.51	8.29	8.85	6.88	7.75	9.47	7.23	8.39	10.46	9.01	9.72
3	9.28	7.28	8.30	8.58	6.66	7.66	8.82	7.60	8.31	9.73	8.84	9.20
4	9.41	7.59	8.52	8.65	6.73	7.71	9.36	7.68	8.65	10.00	8.71	9.22
5	9.57	7.40	8.53	9.55	6.95	8.27	9.61	8.30	8.96	9.96	8.72	9.33
6	9.49	7.49	8.62	9.44	7.49	8.59	9.43	8.64	9.09	9.44	8.50	8.94
7	9.58	7.60	8.68	9.52	7.80	8.72	9.29	8.63	8.96	9.37	7.96	8.79
8	9.54	7.84	8.76	9.66	8.18	8.97	9.25	8.70	9.03	9.15	7.85	8.58
9	9.70	7.80	8.82	9.61	8.49	9.01	9.47	8.84	9.16	9.96	8.01	8.92
10	9.70	8.29	8.91	9.07	8.15	8.49	9.80	8.91	9.42	9.64	8.21	9.10
11	8.96	6.98	7.90	9.14	8.13	8.65	10.08	8.89	9.56	9.95	8.00	9.11
12	9.15	8.45	8.75	9.08	8.48	8.88	9.94	8.23	9.33	9.96	7.79	8.95
13	8.91	7.92	8.33	9.22	8.27	8.83	9.93	8.24	9.17	9.98	7.76	9.00
14	9.27	8.45	8.96	9.43	8.06	8.74	9.91	8.37	9.25	9.83	8.00	9.01
15	9.25	8.33	8.72	9.05	7.70	8.52	10.03	8.37	9.29	9.93	8.00	9.08
16	9.28	8.30	8.86	9.79	7.71	8.73	10.52	8.65	9.60	9.89	8.35	9.18
17	9.55	8.06	8.84	9.69	8.07	8.98	10.47	8.74	9.60	10.32	8.43	9.45
18	9.82	8.22	9.07	9.34	7.93	8.62	9.82	8.29	9.07	9.95	8.96	9.48
19	10.01	8.64	9.34	9.41	7.75	8.62	9.83	8.22	9.14	10.29	8.93	9.67
20	10.13	8.36	9.27	9.69	7.94	8.84	9.75	8.66	9.19	10.24	8.83	9.72
21	9.83	8.13	9.10	9.39	7.99	8.78	9.71	8.71	9.25	9.95	8.31	9.16
22	9.88	8.38	9.22	9.76	8.19	9.09	9.65	8.83	9.13	9.94	8.11	8.95
23	9.84	8.30	9.20	9.35	8.22	8.91	9.95	9.05	9.46	9.60	7.73	8.85
24	9.61	7.92	8.79	9.17	8.24	8.77	10.72	9.14	10.02	9.93	7.72	8.86
25	9.61	8.20	8.90	9.34	7.91	8.70	10.38	8.66	9.61	10.25	7.55	8.99
26	9.37	8.56	8.95	9.39	8.68	9.10	10.42	8.50	9.60	10.01	7.55	8.92
27	9.64	8.53	9.16	9.63	8.46	9.16	10.49	8.50	9.64	10.07	7.54	8.96
28	9.84	8.73	9.33	10.05	7.78	9.14	10.65	8.57	9.68	10.50	8.33	9.53
29	---	---	---	9.47	7.36	8.61	10.71	8.69	9.81	10.27	8.29	9.29
30	---	---	---	9.48	7.28	8.45	10.47	9.02	9.76	9.71	8.48	9.23
31	---	---	---	9.51	7.11	8.43	---	---	---	9.94	9.21	9.55
MONTH	10.13	6.98	8.81	10.05	6.66	8.68	10.72	7.23	9.25	10.50	7.54	9.17
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.71	8.93	9.26	9.28	8.69	8.97	9.68	8.23	9.03	9.91	8.22	9.25
2	9.50	8.67	9.05	9.79	8.99	9.46	10.42	8.65	9.54	9.80	8.23	9.12
3	9.51	8.58	9.08	10.33	9.05	9.71	10.61	8.42	9.64	10.04	8.31	9.31
4	9.71	8.45	9.07	9.71	7.80	9.02	10.28	8.51	9.45	10.31	9.22	9.84
5	9.74	8.42	9.07	9.71	7.78	8.78	10.20	8.40	9.38	10.15	9.36	9.77
6	9.53	8.47	8.99	9.57	7.64	8.72	10.28	8.49	9.52	9.94	9.25	9.64
7	10.02	7.96	9.15	9.81	7.92	9.06	10.13	8.54	9.43	10.00	9.15	9.60
8	9.69	7.69	8.88	10.36	8.26	9.28	10.37	8.71	9.69	10.05	8.98	9.57
9	9.66	7.34	8.68	10.52	8.32	9.50	10.47	9.25	9.89	10.28	9.18	9.79
10	9.70	7.34	8.61	10.05	8.42	9.32	9.98	9.25	9.58	10.56	8.89	9.76
11	9.61	7.77	8.86	9.95	8.37	9.39	9.88	9.58	9.72	10.58	9.18	9.87
12	9.62	7.97	8.85	9.89	8.35	9.22	10.14	9.71	9.93	10.72	9.35	10.07
13	9.34	8.01	8.83	9.25	8.44	8.88	10.62	9.69	10.08	11.19	9.91	10.61
14	9.36	7.98	8.91	9.25	8.51	8.97	10.56	9.38	9.93	11.18	10.44	10.87
15	9.31	8.36	8.91	9.42	8.58	8.95	10.66	8.83	9.87	12.30	10.76	11.42
16	9.12	8.38	8.74	9.41	8.22	8.84	10.61	8.56	9.67	11.23	9.27	10.35
17	9.16	8.32	8.74	9.27	7.86	8.66	10.33	8.23	9.37	9.79	8.60	9.40
18	9.73	8.44	9.31	9.13	7.75	8.63	10.05	8.23	9.29	9.97	8.80	9.39
19	10.40	9.39	10.01	9.74	7.67	8.76	10.18	8.24	9.22	9.83	9.11	9.59
20	10.32	7.78	9.46	9.85	7.62	8.80	9.91	8.37	9.22	10.94	9.06	9.78
21	9.89	7.47	8.80	10.04	7.73	8.90	9.31	8.40	8.96	11.12	9.97	10.46
22	9.81	7.37	8.78	9.47	7.70	8.67	9.99	8.59	9.28	10.36	9.43	9.87
23	9.44	7.37	8.47	9.63	7.71	8.80	9.71	8.90	9.33	10.09	8.89	9.52
24	9.49	7.46	8.58	9.79	8.03	9.00	9.59	8.88	9.28	10.21	8.98	9.57
25	9.56	7.54	8.53	9.37	8.03	8.75	10.18	9.16	9.64	9.67	8.73	9.19
26	9.29	7.51	8.47	8.80	8.22	8.58	10.12	9.47	9.83	10.07	8.74	9.33
27	8.98	7.60	8.36	8.50	7.89	8.19	10.27	9.52	9.96	9.65	8.48	9.11
28	8.83	7.87	8.38	9.40	8.28	9.08	10.52	9.55	9.99	9.74	8.80	9.33
29	8.76	7.92	8.38	9.33	8.86	9.08	10.25	8.85	9.62	9.92	9.05	9.57
30	9.01	8.14	8.72	9.49	8.66	9.07	10.07	8.54	9.45	10.75	9.72	10.18
31	---	---	---	9.65	8.23	9.01	10.07	8.53	9.42	---	---	---
MONTH	10.40	7.34	8.86	10.52	7.64	8.97	10.66	8.23	9.56	12.30	8.22	9.77

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 36,200 microsiemens, July 3, 1993; minimum daily, 1,300 microsiemens, Feb., 3, 1994.

WATER TEMPERATURES: Maximum daily, 33.6°C, July 8, 1992; minimum daily, 4.7° C, Feb. 3, 1994.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 36,200 microsiemens, July 3; minimum daily, 1,300 microsiemens, Feb. 3.

WATER TEMPERATURE: Maximum daily, 32.1° C, June 30, July 17; minimum daily, 4.7°C, Feb. 3.

SPECIFIC CONDUCTANCE, US/CMAT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22400	21100	22000	16400	12500	13800	25300	20800	23000	14800	11700	13200
2	22400	21100	21900	19600	12600	15200	28200	23400	25500	17600	13200	14700
3	22300	22000	22200	21400	12800	16700	28200	24000	25700	---	---	---
4	22200	21600	22000	22800	14900	18900	27400	20500	24300	---	---	---
5	22000	21500	21700	23000	15900	19700	23600	19800	21800	12800	7530	9220
6	22000	21600	21900	23000	14600	18500	22900	19900	21600	14500	1510	9960
7	22400	21100	21900	22300	16800	20700	24100	22000	22900	16000	7700	12000
8	23900	21800	22900	22800	21400	22000	23800	20400	21800	15500	2220	9710
9	23400	21700	22500	28200	22800	25800	24500	18400	21500	17000	11500	13700
10	22700	22000	22300	28200	25700	26600	24300	18300	21300	22500	11400	14800
11	22800	20200	22200	29100	23800	25900	23700	20300	21500	23000	13800	17400
12	21500	19900	20400	29800	24800	26800	23800	19800	21900	18800	11400	14500
13	22400	19400	20500	30500	25700	28300	24900	21600	22800	15900	10700	13200
14	22900	19700	21500	31400	25700	28200	---	---	---	12700	4670	7770
15	22800	21500	22200	28500	24600	26300	20900	9600	17200	9080	6470	7110
16	21800	19300	21000	28900	24100	26600	21700	17300	18900	19500	9080	13000
17	20500	18500	19700	27300	23300	25200	20000	16900	18700	19900	11700	14600
18	20200	18100	19400	25900	24300	25100	19500	16500	17900	12600	6780	9750
19	19800	18600	19200	25400	19000	22400	18800	17500	18200	12900	9050	11300
20	19700	18100	19000	23400	19300	22100	18200	15600	17300	13400	7990	10100
21	19700	17900	18800	23200	21100	22400	17000	12600	14400	10600	7880	9040
22	19300	18400	18700	23100	21500	22100	17300	14000	15300	9400	6400	8100
23	20000	18400	19200	22200	20300	21600	15600	12700	13700	11200	2990	6440
24	20800	19200	19900	21900	18100	20300	15600	12000	12800	11300	4280	7540
25	21100	19900	20300	21500	18300	20200	---	---	---	14100	4200	8460
26	20500	19300	20100	21300	18200	20000	---	---	---	13900	4960	9200
27	20400	18400	19600	22400	17600	19300	---	---	---	15800	8260	12000
28	19900	18600	19300	22300	14700	18800	16300	8330	12000	13700	5550	9440
29	19900	18400	19100	21900	18900	16100	15100	7310	10800	9590	6180	7730
30	19200	12400	15200	24300	20500	20500	14400	10400	12300	10400	5430	7260
31	14400	9980	11900	---	---	---	14400	11600	13100	6530	2800	5330
MONTH	23900	9980	20300	31400	12500	21900	28200	7310	18800	23000	1510	10600

MISSISSIPPI RIVER DELTA

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

SPECIFIC CONDUCTANCE, US/CMAT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8780	2510	5290	18800	14600	17000	11900	10700	11300	--	--	--
2	7190	1490	4290	14600	2820	7350	12000	10500	11300	--	--	--
3	7790	1300	4100	5800	2460	3950	12100	10600	11600	--	--	--
4	9900	2880	5640	7780	2670	5100	13700	10900	11800	12600	11400	11800
5	14300	1830	6550	11300	2580	6420	15100	11700	13000	11800	10000	10400
6	14900	3950	9500	12100	5940	8800	14000	12300	13200	10800	9070	10100
7	14900	6920	11200	12800	8170	10500	13700	12300	13000	9070	7780	8750
8	14600	7050	11100	13400	9770	11300	13900	13000	13500	8410	7410	7720
9	15200	7940	11900	14300	10500	12300	15500	13600	14000	8100	7340	7630
10	15300	10600	12900	10500	8580	9540	16000	13700	14800	7770	7310	7520
11	11900	4790	6980	9830	9080	9520	16200	14600	15200	8420	7260	7480
12	11200	8830	10000	11600	9190	10200	15500	13400	14900	8910	7170	7570
13	10500	5790	7930	12400	11300	11900	14500	13000	13900	8080	7210	7630
14	11800	5710	9370	13400	10800	12100	13900	12800	13300	7960	6590	7170
15	14500	8110	10300	12400	10200	11400	13200	11800	12700	7590	6410	6990
16	13000	8660	10900	15500	9090	11700	12900	12100	12600	7580	6580	6890
17	11600	8150	9910	14800	11100	13400	13300	12600	12900	7630	6480	6850
18	15500	8690	11400	13500	10800	12200	13600	12800	13200	8210	6540	7050
19	16800	10500	13100	14100	9320	11600	13600	12800	13100	8230	6930	7310
20	18600	11200	14100	16900	9470	12400	13400	12900	13200	8190	7230	7730
21	16700	11700	14200	13100	11000	12000	13100	12500	12900	8410	7210	7590
22	18300	12200	14500	14800	10800	13200	12700	11600	12200	8610	7070	7510
23	18300	10800	14400	13800	11800	13100	13300	11800	12600	8150	7290	7540
24	14900	7760	11900	13200	11500	12400	14000	13100	13400	8790	7110	7480
25	15100	9550	12700	12200	10400	11400	--	--	--	8310	7150	7540
26	15900	11200	13400	12000	10600	11600	--	--	--	8610	7180	7590
27	15300	11800	13900	13500	10500	11500	--	--	--	8510	7360	7690
28	18000	12000	14800	13000	10500	11200	--	--	--	8960	7270	8020
29	--	--	--	11600	10000	11000	--	--	--	8300	7170	7670
30	--	--	--	11700	9950	11100	--	--	--	7920	7460	7740
31	--	--	--	12100	10200	11200	--	--	--	8240	7370	7660
MONTH	18600	1300	10600	18800	2460	10900	--	--	--	12600	6410	7880
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8410	7410	7750	31700	11200	19800	18500	12100	16400	18300	13500	16600
2	8010	6890	7510	28900	15200	25900	19900	15200	17700	18500	12800	15500
3	7810	6780	7260	36200	19700	28900	19000	14700	17100	17400	12700	14900
4	7670	6860	7150	36100	17500	27900	18300	14700	16900	19000	14000	16800
5	7280	6310	6830	27100	16400	22300	18000	12700	15900	18400	16700	17800
6	7200	6430	6710	25500	16500	20900	17000	12700	15200	18300	16800	17800
7	7440	6410	6630	28100	17600	23000	17000	13600	15500	17900	15700	17100
8	7680	6260	6760	28800	20000	24000	17200	13900	15800	17900	15500	16800
9	7370	6210	6810	27900	20400	25500	17700	15300	16400	20100	16400	18100
10	7420	6340	6860	26200	21500	24000	16800	15500	16200	21000	17000	18600
11	7360	6530	6820	25200	20500	23300	17400	15900	16800	20000	17600	18700
12	7250	6620	6870	23600	19800	21700	18200	16400	17300	20200	17900	19100
13	7700	6500	6860	20600	16500	18200	19700	16800	18100	23700	19100	21200
14	8030	6570	7090	17700	16100	17000	19600	16300	17500	25300	21100	23500
15	8800	6710	7420	17900	16700	17200	19100	15200	17200	25000	22800	24000
16	7790	6920	7330	19500	17100	18500	17400	14400	16200	24700	19000	22100
17	7660	6680	7130	20200	17800	19200	17400	14200	16100	19200	14200	17200
18	8290	6640	7410	20000	19200	19600	18100	13000	16100	18500	14200	16400
19	14700	7450	11300	19300	18000	18800	18800	13000	16600	17200	14400	16300
20	21000	8390	15500	18000	17400	17700	18900	15300	16900	17800	14500	16100
21	14900	7950	10600	17400	16400	17000	16600	12100	15700	20900	17800	19400
22	12100	7740	9580	16400	15000	15700	18700	12100	16000	20400	16600	18600
23	8680	5520	7860	15000	14400	14600	18300	15000	16700	19500	13900	16400
24	7660	5600	6670	14500	14100	14200	17800	14900	16000	19700	14400	16600
25	7620	5280	6420	14100	13000	13600	18800	15600	17100	16400	12000	14000
26	6900	5240	5940	13000	11700	12200	19600	18500	19100	16800	11800	14100
27	6390	5060	5470	11700	8670	10300	20300	19000	19800	18800	11000	13500
28	5990	5130	5480	12400	9600	11100	21500	19900	20500	19200	13000	16600
29	7060	5130	5580	13700	11900	13100	21700	17200	19700	18700	14500	17100
30	26900	5340	14200	15100	13100	14200	20900	15800	18400	20400	15600	19200
31	--	--	--	17100	12600	15100	19400	15900	17500	--	--	--
MONTH	26900	5060	7730	36200	8670	18900	21700	12100	17000	25300	11000	17700

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.8	23.1	23.9	12.1	10.2	11.3	16.4	14.6	15.5	10.1	9.2	9.6
2	25.5	23.5	24.4	13.9	10.9	12.3	17.0	15.4	16.2	11.0	9.8	10.4
3	26.2	24.5	25.3	14.7	13.0	14.0	17.9	16.5	17.2	10.9	9.4	10.4
4	27.2	25.5	26.3	16.3	14.5	15.4	18.7	17.3	18.0	10.0	8.3	9.1
5	27.6	26.1	26.7	18.0	15.9	17.0	17.3	16.1	16.7	9.3	7.7	8.5
6	27.1	25.9	26.4	17.3	14.3	16.4	16.5	15.5	16.1	10.1	8.6	9.4
7	26.8	25.4	26.1	14.3	12.8	13.3	15.7	14.4	15.0	11.8	10.0	10.7
8	26.3	25.0	25.6	14.0	11.0	12.8	15.8	15.0	15.3	11.0	8.5	9.2
9	26.5	25.5	25.9	13.2	12.9	13.1	16.3	15.2	15.8	8.8	7.5	8.2
10	25.7	23.9	24.8	14.5	12.7	13.5	16.5	16.2	16.3	9.8	8.1	8.9
11	24.1	22.8	23.4	15.5	13.6	14.5	16.2	14.3	15.4	10.9	9.3	10.1
12	23.4	22.4	22.9	16.5	14.8	15.6	14.5	13.2	13.9	11.7	10.3	11.1
13	23.1	22.1	22.7	18.2	15.8	17.1	14.8	13.7	14.3	11.4	10.3	11.1
14	23.4	22.4	22.9	20.4	17.7	19.2	14.8	13.2	14.0	15.3	8.2	10.9
15	24.7	23.0	23.7	21.5	19.9	20.7	13.3	12.4	12.9	11.8	7.6	10.1
16	25.7	24.0	24.9	21.7	20.1	20.9	13.0	11.4	12.4	11.3	10.0	10.6
17	26.3	25.0	25.6	21.6	20.4	21.3	12.9	11.8	12.3	12.5	11.0	11.7
18	26.8	25.3	26.0	20.4	19.1	19.7	13.4	12.0	12.7	11.2	8.2	9.6
19	27.2	25.7	26.4	20.5	18.7	19.7	13.2	12.9	13.0	8.2	6.8	7.3
20	27.5	26.2	26.8	19.8	16.1	17.9	14.3	13.0	13.6	8.2	6.7	7.4
21	27.0	25.4	26.3	16.1	14.9	15.4	14.0	12.4	13.0	8.7	7.5	8.1
22	25.4	21.6	23.5	15.2	14.2	14.8	12.6	10.5	11.6	9.3	6.2	8.2
23	21.6	20.4	20.9	16.3	14.4	15.4	10.5	9.5	10.0	10.7	7.0	9.2
24	21.7	20.3	20.9	17.1	15.3	16.3	9.6	8.0	8.7	12.3	9.8	11.0
25	21.9	20.9	21.3	17.6	16.3	17.0	8.8	6.9	8.0	13.8	11.3	12.6
26	22.3	21.0	21.6	17.6	16.3	17.0	9.7	7.8	8.8	15.2	12.7	13.9
27	22.8	21.7	22.2	16.3	14.0	15.0	10.9	9.0	9.8	16.0	13.7	14.8
28	22.1	20.7	21.3	14.2	12.9	13.6	12.4	10.1	11.1	16.6	15.5	16.1
29	21.6	21.1	21.4	14.8	12.9	13.9	12.7	11.0	12.0	15.5	12.9	14.1
30	21.6	14.6	18.5	15.8	13.8	14.7	11.0	9.4	10.0	12.9	10.6	11.7
31	14.6	10.8	12.2	---	---	---	10.0	8.4	9.3	10.9	9.6	10.3
MONTH	27.6	10.8	23.6	21.7	10.2	16.0	18.7	6.9	13.2	16.6	6.2	10.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.9	8.1	8.9	16.4	15.1	15.7	17.8	15.4	16.5	25.2	24.6	25.0
2	9.2	5.1	7.8	16.2	9.5	14.3	18.8	16.2	17.5	24.9	24.0	24.3
3	9.7	4.7	7.9	13.3	6.9	10.9	19.6	17.5	18.5	25.0	23.7	24.3
4	10.7	9.3	10.1	14.3	9.2	12.4	19.4	17.5	18.5	25.0	23.3	24.2
5	13.3	10.6	12.1	16.6	12.1	14.5	20.8	18.8	19.7	24.9	23.3	24.1
6	15.5	12.7	14.2	16.2	13.9	15.3	20.6	18.8	20.0	25.7	23.5	24.6
7	15.8	14.1	14.9	18.2	15.5	16.8	18.8	17.0	17.8	26.2	24.5	25.2
8	17.4	14.7	16.4	19.5	17.0	18.2	19.3	16.9	18.1	26.5	25.0	25.7
9	18.8	16.6	17.9	18.9	16.7	18.3	21.1	18.5	19.7	27.7	25.7	26.5
10	20.4	17.9	19.2	16.7	13.8	14.9	22.9	20.7	21.6	27.5	26.1	26.6
11	19.5	8.6	15.1	14.9	12.9	13.9	23.6	21.9	22.7	28.1	26.1	27.0
12	16.4	15.8	16.1	16.0	13.5	14.4	24.0	23.1	23.4	29.4	26.8	27.6
13	16.0	13.3	15.3	16.6	14.5	15.5	23.4	21.8	22.6	29.0	27.2	28.0
14	13.5	12.0	12.7	18.6	15.4	16.5	23.3	21.5	22.4	28.2	27.1	27.6
15	13.0	12.0	12.6	17.7	16.3	17.2	24.1	22.9	23.5	28.5	26.9	27.7
16	13.5	12.7	13.0	17.4	16.3	17.0	23.8	22.1	23.0	28.9	27.3	28.0
17	14.5	12.9	13.7	17.5	15.9	16.8	22.1	20.6	21.0	28.4	27.2	27.8
18	15.8	14.1	15.0	19.0	16.4	17.7	21.2	20.0	20.5	27.5	26.0	26.7
19	17.0	15.5	16.3	20.0	18.3	19.0	22.4	20.4	21.3	26.6	24.6	25.4
20	18.4	16.9	17.7	21.0	19.5	20.3	22.8	21.7	22.2	24.8	23.1	23.9
21	19.3	17.9	18.5	21.6	20.5	21.1	23.4	22.1	22.7	25.6	23.3	24.3
22	19.7	18.3	19.1	21.5	20.4	20.9	26.1	22.5	23.7	25.6	23.8	24.7
23	20.8	18.4	19.6	22.5	20.5	21.4	25.4	24.2	24.7	26.6	24.2	25.2
24	18.4	15.4	16.5	23.4	21.8	22.6	25.1	23.6	24.4	26.9	24.8	25.7
25	17.1	14.9	16.0	23.5	22.3	23.2	25.8	24.1	24.8	27.3	25.1	25.9
26	16.8	15.3	16.2	22.6	21.6	22.1	26.2	24.6	25.3	26.8	25.0	25.9
27	15.3	13.7	14.5	23.9	22.3	23.0	26.7	25.0	25.8	27.0	25.3	26.1
28	15.1	13.5	14.4	23.4	18.9	21.3	26.9	25.2	26.0	27.1	25.8	26.5
29	---	---	---	19.2	17.0	18.0	27.2	25.2	26.2	27.5	26.1	26.8
30	---	---	---	18.9	16.9	18.0	26.2	25.0	25.6	26.8	25.7	26.3
31	---	---	---	18.1	16.0	17.2	---	---	---	27.3	25.4	26.3
MONTH	20.8	4.7	14.7	23.9	6.9	17.7	27.2	15.4	22.0	29.4	23.1	25.9

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.6	26.1	26.9	32.0	29.3	30.6	28.5	27.7	28.2	31.1	29.2	30.0
2	29.0	26.3	27.4	30.7	29.2	29.9	27.7	26.4	27.3	30.6	28.8	29.6
3	29.1	27.3	28.2	31.6	29.3	30.0	28.3	26.0	27.0	30.1	28.4	29.1
4	29.9	27.9	28.8	31.3	29.3	30.0	29.7	27.4	28.3	29.5	28.3	28.8
5	29.0	28.2	28.6	30.8	29.3	30.0	29.9	28.8	29.1	29.2	27.7	28.4
6	29.0	27.4	28.1	31.0	29.2	30.0	29.8	28.6	29.0	29.8	27.9	28.7
7	29.5	27.9	28.5	30.0	28.5	29.4	30.3	29.2	29.6	30.1	28.4	29.1
8	30.2	28.1	29.1	28.5	27.5	28.0	30.3	29.3	29.8	30.1	28.7	29.4
9	30.2	28.5	29.4	28.4	27.0	27.8	29.6	28.6	29.1	30.7	29.3	30.0
10	29.5	28.2	28.9	27.8	26.7	27.4	29.8	28.2	29.1	30.2	29.0	29.6
11	28.7	27.4	28.1	27.6	26.4	27.0	30.1	28.3	29.2	29.5	28.5	29.0
12	28.4	27.4	27.9	28.6	26.7	27.4	29.4	28.7	29.0	29.0	27.9	28.4
13	30.3	27.5	28.7	27.9	27.0	27.5	29.5	28.2	28.8	28.3	27.3	27.9
14	29.8	27.9	29.0	28.9	27.1	27.9	29.6	28.7	29.2	27.5	26.7	27.2
15	30.4	28.4	29.4	30.2	27.5	28.7	30.1	28.8	29.4	26.7	26.2	26.3
16	32.1	29.0	30.2	31.9	27.9	29.4	29.8	28.6	29.2	27.3	26.0	26.7
17	31.1	28.8	29.7	32.1	29.1	30.0	29.2	28.2	28.7	28.2	26.8	27.5
18	28.8	27.6	28.1	31.7	29.5	30.1	30.1	27.7	28.4	28.4	27.0	27.7
19	28.3	27.1	27.6	30.0	29.4	29.8	30.1	28.2	29.1	27.6	26.4	27.0
20	28.7	27.0	27.7	30.6	28.9	29.4	30.2	28.7	29.4	27.7	26.5	27.1
21	29.8	27.4	28.4	30.7	28.8	29.4	29.3	28.1	28.8	27.2	26.1	26.5
22	28.4	27.4	28.0	29.3	27.7	28.6	28.5	27.5	28.1	27.0	25.6	26.3
23	27.4	25.5	26.5	28.4	27.4	27.8	29.5	27.7	28.5	26.9	25.6	26.1
24	26.3	25.3	25.8	30.4	27.6	28.6	30.1	27.9	29.0	27.3	25.0	25.9
25	27.6	25.5	26.5	30.7	28.5	29.3	30.2	28.7	29.4	26.0	24.6	25.2
26	28.4	26.8	27.6	30.0	28.9	29.5	29.6	28.4	28.9	25.3	23.6	24.4
27	29.0	27.3	28.2	29.4	27.3	28.4	29.2	28.1	28.6	26.4	23.5	24.7
28	30.2	27.8	28.9	28.0	26.5	27.0	29.8	28.1	28.8	26.7	24.9	25.7
29	30.4	28.5	29.3	29.7	26.8	28.1	30.6	28.9	29.6	27.0	25.7	26.3
30	31.2	28.5	29.6	29.9	27.9	28.8	31.1	29.5	29.9	27.2	26.1	26.6
31	—	—	—	29.1	27.9	28.5	30.3	29.1	29.7	—	—	—
MONTH	32.1	25.3	28.3	32.1	26.4	28.8	31.1	26.0	28.9	31.1	23.5	27.5

MISSISSIPPI RIVER DELTA

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

LOCATION.— Lat. 29°31' 28" long 89°33' 43", Plaquemines Parish, Hydrologic Unit 08090203, on a 3 pile structure 17.0 mi southeast of Pointe-a-la-Hache.

DRAINAGE AREA.— Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.— Feb. 1992 to current year.

GAGE.— Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 9.7 ft below sea level (levels determined by Global Positioning System).

REMARKS.— Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.— Maximum gage height, 15.06 ft Aug. 25, 1992; minimum gage height, 6.60 ft Mar. 13, 1993.

EXTREMES FOR CURRENT PERIOD.— Maximum gage height, 12.98 ft, Sept. 15; minimum gage height, 7.16 ft, Jan. 3.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.21	10.40	10.84	10.68	9.45	10.02	11.69	9.32	10.39	10.63	8.94	9.80
2	11.25	9.87	10.61	10.96	9.38	10.17	11.69	9.84	10.77	10.67	9.41	10.01
3	11.29	10.10	10.67	10.98	9.20	10.10	11.61	9.75	10.60	10.17	7.16	8.64
4	11.23	10.07	10.66	11.02	9.41	10.21	11.27	9.55	10.12	9.80	7.97	8.70
5	11.46	10.42	10.88	11.03	9.31	10.18	10.36	9.59	9.90	9.80	8.75	9.17
6	11.51	10.32	10.88	11.03	9.66	10.27	10.28	9.53	9.89	10.04	8.46	9.29
7	12.48	11.08	11.69	11.00	9.98	10.53	10.48	10.04	10.28	10.66	8.62	9.65
8	12.48	10.65	11.46	10.69	10.13	10.40	10.64	9.40	9.99	10.61	8.62	9.58
9	11.66	10.16	10.94	10.97	10.40	10.65	10.91	9.24	10.13	10.63	9.13	9.89
10	11.62	10.28	11.04	10.84	10.32	10.51	10.96	9.18	10.10	11.61	8.91	10.03
11	11.29	10.05	10.76	11.14	9.76	10.43	11.19	9.20	10.12	11.47	9.41	10.28
12	11.08	10.56	10.86	11.54	9.67	10.60	11.19	9.38	10.29	10.84	8.88	9.77
13	11.11	10.64	10.84	11.83	9.76	10.78	11.78	9.20	10.44	10.54	9.08	9.70
14	11.83	10.71	11.29	11.76	9.49	10.54	11.68	8.46	9.64	9.84	8.05	8.77
15	12.01	10.67	11.39	11.60	9.19	10.48	10.95	8.80	9.80	9.84	8.69	9.05
16	12.22	10.38	11.33	11.51	9.45	10.46	10.95	9.12	9.86	10.89	9.51	10.17
17	12.22	10.23	11.18	11.37	9.16	10.14	10.38	9.23	9.86	10.85	9.26	9.87
18	11.86	8.44	10.26	11.15	9.61	10.31	10.38	9.36	9.85	9.88	9.35	9.70
19	9.53	8.28	8.81	10.65	9.32	9.99	10.60	9.91	10.21	9.91	9.47	9.70
20	11.35	8.29	9.91	10.73	9.64	10.13	10.48	9.80	10.15	10.06	9.15	9.53
21	11.41	8.35	8.93	10.58	9.93	10.29	10.32	9.34	9.90	9.96	8.98	9.46
22	11.59	8.14	10.28	10.30	9.90	10.05	11.05	9.49	10.27	9.87	8.79	9.31
23	11.53	10.84	11.24	10.14	9.58	9.89	10.61	9.26	9.99	10.16	8.24	9.21
24	12.09	10.77	11.53	10.09	9.14	9.65	10.50	9.63	10.06	10.26	8.42	9.38
25	11.49	10.78	11.24	10.35	9.08	9.76	9.75	7.64	8.59	10.38	8.45	9.44
26	11.40	10.93	11.07	10.61	9.06	9.89	9.85	8.39	9.10	10.70	8.45	9.56
27	10.93	10.26	10.64	10.95	9.29	10.10	10.64	7.91	9.22	10.66	8.94	9.82
28	10.87	10.12	10.51	10.68	8.92	9.73	10.51	8.34	9.43	10.53	8.74	9.59
29	10.97	9.92	10.48	10.62	8.55	9.62	10.74	8.47	9.53	10.28	9.42	9.88
30	10.78	9.29	10.04	11.18	8.71	9.85	10.74	9.46	9.99	10.28	9.55	9.79
31	10.69	8.68	9.60	—	—	—	10.57	9.07	9.85	9.94	8.90	9.56
MONTH	12.48	8.14	10.71	11.83	8.55	10.19	11.78	7.64	9.95	11.61	7.16	9.56

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.00	8.86	9.44	11.10	10.16	10.73	10.50	8.79	9.69	11.10	9.72	10.51
2	9.88	8.54	9.22	10.19	8.42	9.35	10.59	8.52	9.61	11.47	10.24	10.83
3	10.15	8.28	9.23	9.97	8.22	9.13	10.08	8.88	9.56	10.65	9.99	10.26
4	10.24	8.56	9.42	9.94	8.07	9.05	10.53	9.04	9.92	10.69	9.98	10.28
5	10.48	8.39	9.46	10.55	8.25	9.49	10.55	9.56	10.12	10.94	9.87	10.39
6	10.43	8.49	9.55	10.70	8.86	9.88	10.89	9.90	10.40	10.30	9.58	9.96
7	10.50	8.63	9.66	10.74	9.14	9.99	10.62	10.01	10.26	10.29	9.09	9.82
8	10.43	8.86	9.73	10.90	9.49	10.24	10.40	9.93	10.21	10.20	9.01	9.67
9	10.65	8.84	9.80	10.78	10.03	10.39	10.61	10.06	10.34	10.62	9.29	10.01
10	10.61	9.27	9.89	10.53	9.74	10.04	10.88	10.04	10.53	10.63	9.33	10.15
11	10.09	8.12	9.08	10.53	9.57	10.03	11.09	9.94	10.61	10.86	9.08	10.13
12	10.19	9.50	9.82	10.36	9.92	10.21	10.90	9.44	10.37	10.68	8.87	9.96
13	9.98	9.15	9.52	10.53	9.74	10.19	11.05	9.44	10.36	10.94	8.87	10.04
14	10.31	9.49	10.05	10.67	9.57	10.13	10.89	9.53	10.32	10.80	9.10	10.07
15	10.32	9.46	9.82	10.45	9.21	9.97	10.92	9.53	10.36	10.87	9.10	10.15
16	10.36	9.42	9.97	10.95	9.31	10.20	11.67	10.06	10.78	10.82	9.51	10.25
17	10.62	9.27	9.96	10.91	9.35	10.26	11.53	9.82	10.73	11.44	9.58	10.61
18	10.90	9.38	10.18	10.53	9.28	9.92	10.81	9.52	10.23	11.00	10.25	10.60
19	11.10	9.70	10.43	10.60	9.13	9.90	10.90	9.52	10.33	11.47	10.17	10.91
20	11.21	9.48	10.38	10.85	9.31	10.15	10.79	9.92	10.37	11.43	10.08	10.88
21	10.96	9.36	10.23	10.58	9.38	10.07	10.80	9.96	10.44	11.07	9.56	10.34
22	11.10	9.52	10.38	10.93	9.51	10.35	10.49	10.07	10.26	11.03	9.33	10.13
23	11.30	9.59	10.49	10.51	9.51	10.12	11.04	10.29	10.59	10.65	8.93	10.01
24	10.82	9.30	10.14	10.37	9.53	9.99	11.63	10.26	11.05	10.95	8.93	10.04
25	10.82	9.44	10.12	10.51	9.26	9.96	11.25	9.77	10.65	11.13	8.72	10.13
26	10.71	9.95	10.28	10.53	9.83	10.21	11.34	9.45	10.60	11.19	8.83	10.12
27	10.98	9.84	10.44	10.72	9.60	10.26	11.44	9.55	10.62	11.15	8.83	10.19
28	11.09	9.99	10.58	11.37	9.13	10.48	11.58	9.60	10.67	11.65	9.62	10.74
29	---	---	---	10.62	8.58	9.83	11.62	9.75	10.80	11.40	9.55	10.49
30	---	---	---	10.65	8.42	9.66	11.48	9.93	10.79	---	---	---
31	---	---	---	10.71	8.25	9.73	---	---	---	---	---	---
MONTH	11.30	8.12	9.90	11.37	8.07	10.00	11.67	8.52	10.39	11.65	8.72	10.26
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	10.25	9.70	9.95	10.61	9.26	9.99	10.84	9.29	10.20
2	---	---	---	10.77	10.09	10.49	11.22	9.58	10.42	10.73	9.20	10.06
3	---	---	---	11.38	10.15	10.76	11.43	9.35	10.49	11.02	9.45	10.35
4	---	---	---	10.84	9.04	10.14	11.15	9.53	10.35	11.27	10.35	10.82
5	---	---	---	10.78	8.98	9.92	11.07	9.39	10.32	11.13	10.38	10.71
6	---	---	---	10.66	8.85	9.88	11.18	9.53	10.44	10.96	10.31	10.64
7	---	---	---	10.95	9.22	10.19	10.97	9.59	10.34	10.86	10.17	10.56
8	---	---	---	11.47	9.36	10.43	11.22	9.69	10.61	10.97	9.98	10.54
9	---	---	---	11.53	9.56	10.62	11.35	10.21	10.81	11.33	10.15	10.76
10	---	---	---	11.18	9.66	10.49	10.86	10.25	10.54	11.46	9.91	10.71
11	---	---	---	11.00	9.57	10.50	10.85	10.50	10.67	11.52	10.15	10.81
12	---	---	---	10.87	9.57	10.33	11.11	10.68	10.88	11.81	10.30	11.00
13	---	---	---	10.28	9.63	9.98	11.50	10.66	11.00	12.07	10.81	11.48
14	---	---	---	10.36	9.66	10.09	11.54	10.33	10.91	12.04	11.35	11.74
15	10.26	9.35	9.90	10.53	9.75	10.06	11.63	9.94	10.85	12.98	11.59	12.23
16	10.05	9.47	9.78	10.51	9.44	9.96	11.55	9.59	10.65	12.05	10.08	11.23
17	10.28	9.46	9.89	10.44	9.26	9.87	11.28	9.24	10.31	10.84	9.63	10.39
18	10.93	9.68	10.51	10.36	9.12	9.85	10.95	9.19	10.22	10.94	9.93	10.43
19	11.51	10.61	11.18	10.90	9.00	9.97	10.99	9.21	10.14	10.80	10.17	10.59
20	11.57	9.07	10.66	10.76	8.65	9.84	10.78	9.44	10.14	11.92	10.08	10.75
21	11.02	8.67	9.99	10.83	8.81	9.86	10.36	9.35	9.91	12.04	10.83	11.35
22	9.35	8.97	---	10.54	8.67	9.66	10.73	9.62	10.19	11.29	10.36	10.81
23	10.41	8.60	---	10.73	8.75	9.81	10.55	9.86	10.23	11.13	10.06	10.62
24	10.58	8.60	9.73	10.59	9.00	9.88	10.46	10.02	10.25	11.25	9.97	10.55
25	10.55	8.69	9.63	10.21	9.00	9.67	11.20	10.22	10.65	10.59	9.78	10.17
26	10.31	8.75	9.58	9.71	9.19	9.54	11.24	10.53	10.89	10.94	9.65	10.25
27	10.14	8.81	9.56	9.44	8.95	9.19	11.30	10.66	11.02	10.55	9.46	10.08
28	9.95	9.07	9.59	10.39	9.37	10.08	11.52	10.46	10.93	10.80	9.93	10.43
29	9.92	9.27	9.68	10.28	9.85	10.00	11.24	9.90	10.59	10.94	10.16	10.63
30	10.09	9.60	9.82	10.39	9.60	9.97	11.04	9.50	10.41	11.82	10.85	11.25
31	---	---	---	10.56	9.24	9.96	10.99	9.52	10.32	---	---	---
MONTH	---	---	---	11.53	8.65	10.03	11.63	9.19	10.50	12.98	9.20	10.74

MISSISSIPPI RIVER DELTA

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

WATER-QUALITY RECORD

PERIOD OF RECORD.-- Feb. 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Feb. 1992 to current year.

WATER TEMPERATURE: June 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 43,100 microsiemens, July 3, 1994; minimum daily, 3,670 microsiemens, May 9, 1994.

WATER TEMPERATURE: Maximum daily, 32.2°C, June 16, 1994; minimum daily, 6.0°C, Dec. 25, 1993.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 43,100 microsiemens, July 3; minimum daily, 3,670 microsiemens, May 9.

WATER TEMPERATURE: Maximum daily, 32.2°C, June 16; minimum daily, 6.0°C Dec. 25.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19000	17200	18075	22500	16900	19103	31000	27100	28600	22900	12200	22100
2	18900	17000	17918	24700	19600	21684	31300	18100	28100	22800	19800	22000
3	18400	17300	18081	25300	14000	21710	25500	16200	20200	---	---	---
4	17600	15900	17176	20700	14000	18453	25200	16900	18300	---	---	---
5	17900	15200	16184	20700	18400	19599	25700	22500	24100	---	---	---
6	18300	15300	16725	23300	19200	21943	24400	23000	23700	---	---	---
7	19000	16800	17569	26900	21800	25298	25700	24000	24800	---	---	---
8	18600	17000	17876	27700	25000	26228	26300	25200	25900	---	---	---
9	19300	17400	18032	29800	26700	28830	27200	20500	24700	27000	20300	23500
10	19700	17900	18462	29800	28400	29223	25300	22100	23800	30400	10500	26400
11	20200	18500	19201	30600	27000	29000	26400	23600	25200	30400	23900	26800
12	20700	19100	19669	31000	17600	26300	29200	25300	26800	27800	19300	23700
13	17700	11600	15594	25000	19000	22100	28700	25100	27100	22400	16900	19200
14	17700	12100	14645	25500	22700	23900	---	---	---	17500	15200	16200
15	18300	17000	17688	25200	22900	24200	---	---	---	18200	13700	15600
16	19100	16700	17665	26400	24200	25500	25100	15300	23000	25600	18200	22200
17	19500	16600	17600	26400	24100	25400	26300	23500	24600	25600	16200	21600
18	19800	16300	17555	27400	25700	26400	26200	21800	24700	17200	14300	15500
19	19700	15800	17435	27500	24200	26500	27200	23900	25400	20200	15900	18600
20	18400	15800	17038	27100	24300	26000	26700	24900	25800	24400	16400	19600
21	18100	15900	16763	27300	24000	26300	25000	21700	22600	18500	15200	16500
22	19500	15200	16986	28100	25000	26700	25000	22000	23400	17100	14500	15700
23	21400	17900	20055	27000	24800	25800	24200	21400	22800	19100	14000	16100
24	26400	20800	23072	27200	23800	26100	23000	21600	22000	23700	14800	16800
25	24700	21700	23206	29200	16700	25800	---	---	---	17800	13800	16300
26	25200	21600	23781	27700	14400	25200	---	---	---	17400	13600	15400
27	22600	20400	21759	25600	23600	24400	---	---	---	16400	13800	14800
28	22300	19600	20861	---	---	---	---	---	---	16000	13300	14600
29	22300	20200	21308	---	---	---	---	---	---	17700	12800	15000
30	20200	10900	18048	---	---	---	24900	18800	22200	15900	11500	13200
31	19400	17300	18030	---	---	---	24300	14800	22000	12400	9970	11300
MONTH	26400	10900	18500	31000	14000	24700	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

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

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12600	8860	10800	22100	12500	17300	13700	11300	12700	8060	5700	6940
2	13100	9250	11300	17500	11000	14800	12800	11300	11900	9850	7410	8490
3	19200	9920	13100	12600	8910	10900	11800	9830	10900	10700	8030	9600
4	15800	11700	13700	12300	8360	10600	12000	10200	11300	9160	6770	7440
5	24700	9640	15100	10700	8260	8970	10700	7580	9540	7940	6400	7480
6	24700	13100	19800	10300	8580	9460	11200	7120	8600	7800	5250	6570
7	22300	14300	20000	9480	8190	8910	12900	11200	11900	5820	4820	5130
8	21300	16300	18500	9430	8200	8730	14400	11900	12800	5830	3910	4490
9	21600	16600	19300	9700	8090	8610	14400	6630	9380	5020	3670	4320
10	22300	17400	19700	12200	9580	10600	11700	7720	10200	8440	3710	5360
11	21800	15800	18100	14800	12200	13900	11300	7090	8490	8690	5320	6930
12	19100	18100	18500	14900	13100	14200	11300	6980	7620	8660	5750	7410
13	18400	11900	15600	14700	11500	14200	7900	5980	6910	8810	6140	7310
14	20000	11800	16700	13800	8570	11900	7900	4890	6190	8080	5010	6900
15	21200	17600	19800	14100	9740	12100	5950	3920	4460	8470	5390	7440
16	20600	17700	19200	15200	11900	13600	6160	3920	5130	8830	6600	8080
17	19800	16600	18900	17100	13500	15100	7770	5430	6810	9970	7380	8780
18	21500	16300	18900	14700	9430	12600	8410	6840	7690	8720	7360	7860
19	25800	18200	22800	13500	8160	12100	8380	7200	7740	8570	6880	7820
20	26800	20900	24100	11800	8410	9900	9210	7510	8440	9220	8050	8680
21	24200	20200	22800	10200	8000	8710	9300	8170	8800	8400	7430	7720
22	23800	14000	19100	15400	8480	13000	8860	6360	8000	7480	5350	6180
23	19900	14100	17100	14500	8380	11900	9310	5520	7220	6220	5220	5650
24	18700	16400	17800	13100	10400	11400	9320	6070	7320	6730	5670	5900
25	19500	15700	17700	13800	10900	12100	9320	6920	7690	7050	5870	6470
26	20200	17500	18800	18300	11800	15600	9040	5730	6900	6590	6070	6210
27	22300	18400	21100	17900	12400	14100	7470	5880	6370	6270	5920	6060
28	22700	18400	20900	15900	13500	14400	7070	5320	6190	6680	6070	6350
29	—	—	—	14600	12600	13700	10300	5520	8120	7110	6420	6680
30	—	—	—	15300	13700	14300	11000	5250	7250	—	—	—
31	—	—	—	15900	12400	13800	—	—	—	—	—	—
MONTH	26800	8860	18200	22100	8000	12300	14400	3920	8420	10700	3670	6910

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	—	—	—	34900	28100	31800	26200	23200	24900	24700	20700	22400
2	7340	6260	6840	37400	28100	33000	26900	22100	24900	25200	20500	23300
3	7500	6120	6550	43100	37100	40400	26700	23200	25600	24000	19900	21600
4	8920	6030	6620	40700	28700	33600	27700	23800	25500	22900	20300	21900
5	9920	5510	6710	39500	30100	34900	28500	24100	26100	24500	21300	22700
6	8280	5460	6310	36400	28700	33400	27700	24300	25700	23400	21300	22400
7	8740	6070	7200	39100	31600	35000	25300	22800	24200	22800	19400	22200
8	10900	5930	7620	36600	30800	34100	25300	22600	24000	21400	18400	20600
9	16800	5740	9910	37300	32900	35200	29100	24300	27200	21600	18500	20600
10	20000	6010	12200	36700	33400	35700	27900	25400	26700	21300	20200	20100
11	19900	10500	14800	36200	31000	35100	28400	26700	27800	22400	21100	21500
12	19700	12100	16800	34200	30300	32700	29500	25000	28400	23200	20700	22600
13	21800	15800	18800	33800	30800	32400	27200	22400	24900	23600	20200	22600
14	20800	14500	17100	33700	28500	31200	26000	24500	25300	23600	19800	21500
15	19400	15600	17100	29800	27700	28800	25400	23500	24300	23000	20000	21700
16	23300	16700	21100	29900	27000	28500	26300	21700	24400	22700	17200	21800
17	22300	11800	15200	29200	27100	28600	25200	20700	23000	21000	16300	19700
18	13700	11800	12700	28900	24300	27400	23700	20700	22500	19600	16300	18200
19	19600	12700	16100	27300	24700	26300	23400	19300	21700	17800	16500	17100
20	19000	12300	16800	28500	26000	27300	22700	18800	21200	20600	17400	17900
21	17800	11700	14600	27100	23500	25700	21400	18700	20300	22500	18700	20000
22	—	—	—	26300	23500	25000	21400	19000	19900	21100	17000	20100
23	—	—	—	26200	23400	24600	22400	19800	21000	20700	15300	18400
24	15900	7840	11700	27300	23900	25500	25100	21700	23300	20700	15800	17500
25	13300	7520	11100	24600	21200	23600	25800	23200	24300	17500	14800	16600
26	19000	7470	13500	23500	20900	22600	27000	24000	25800	18300	16400	16800
27	19600	8320	16300	23100	19100	21900	27400	24800	26100	21300	16400	18600
28	22900	16600	20300	25900	20600	23300	27800	25800	27000	22400	19700	21300
29	33300	21300	28000	27600	23800	26300	28300	23100	26100	22600	21300	21800
30	40100	28400	35300	27000	24000	25700	26700	22700	24700	24600	22500	23600
31	—	—	—	26700	24300	25500	26200	21300	23600	—	—	—
MONTH	40100	5510	14300	43100	19100	29500	29500	18700	24500	25200	14800	20600

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.9	22.8	23.9	13.0	9.7	11.7	17.0	14.7	15.7	10.7	9.4	10.1
2	25.7	23.4	24.6	14.0	11.3	12.9	17.5	15.5	16.5	11.6	10.4	11.1
3	26.8	24.5	25.7	15.9	12.8	14.7	18.3	16.5	17.4	11.5	8.7	10.5
4	28.1	25.4	26.6	16.8	15.3	16.0	19.0	17.1	18.0	10.5	8.2	9.2
5	27.9	26.0	26.8	19.3	16.3	17.7	17.6	15.9	16.7	9.3	7.4	8.3
6	27.7	25.6	26.5	18.4	14.3	16.9	16.5	15.4	15.9	10.4	8.2	9.4
7	26.6	25.2	25.9	14.3	12.5	13.2	15.8	14.6	15.2	12.0	10.2	11.1
8	26.3	24.6	25.4	13.2	12.3	12.8	15.9	15.1	15.5	11.0	8.2	9.0
9	27.0	25.2	25.9	13.5	13.1	13.3	17.0	15.3	16.1	9.3	7.6	8.5
10	25.8	23.9	24.8	14.9	13.0	13.9	17.0	16.6	16.8	10.6	8.7	9.4
11	24.4	22.7	23.5	16.0	13.6	14.9	16.6	14.2	15.5	11.4	9.8	10.6
12	23.9	22.4	23.1	17.3	15.2	16.2	14.7	12.7	13.8	11.8	11.0	11.4
13	23.1	22.3	22.7	19.0	17.1	18.0	14.8	13.5	14.2	11.7	10.0	11.0
14	23.5	22.3	22.9	21.4	18.5	20.0	14.9	13.1	13.9	11.8	9.2	10.4
15	24.5	22.9	23.6	22.4	20.0	21.3	13.4	11.6	12.5	11.9	9.8	10.9
16	25.7	23.9	24.8	22.2	20.4	21.4	13.4	11.4	12.4	11.0	9.7	10.4
17	27.1	24.7	25.6	22.1	20.4	21.5	13.3	12.0	12.6	13.0	11.0	11.8
18	26.8	24.8	25.8	20.4	19.1	19.7	14.0	12.4	13.1	11.2	8.4	9.9
19	27.7	25.3	26.3	20.8	18.6	19.7	13.6	13.1	13.3	8.4	7.2	7.7
20	27.8	25.6	26.6	19.8	15.9	18.1	15.4	13.3	14.3	9.3	7.2	8.1
21	26.8	25.1	25.9	16.3	14.8	15.5	14.3	10.1	12.5	9.2	7.6	8.4
22	25.1	22.0	23.5	15.9	14.4	15.1	12.5	10.4	11.4	9.6	7.9	8.7
23	22.0	20.9	21.4	16.9	14.8	15.8	10.4	9.2	9.9	10.7	8.5	9.6
24	22.2	20.9	21.4	17.6	15.9	16.7	9.6	8.0	8.8	12.1	10.0	11.3
25	21.9	21.2	21.6	17.8	16.5	17.2	9.5	6.0	7.6	13.6	11.8	12.9
26	22.9	21.1	21.9	18.0	16.6	17.3	9.3	7.2	8.5	15.0	13.3	14.2
27	23.1	21.8	22.5	16.8	13.2	14.8	10.8	8.7	9.9	15.8	14.2	15.2
28	21.9	20.5	21.2	13.4	11.8	12.8	13.1	10.4	11.9	17.5	15.5	16.6
29	21.8	20.7	21.2	14.5	11.8	13.4	13.8	11.2	12.7	15.6	12.9	14.2
30	21.7	15.0	18.7	15.9	13.1	14.7	11.2	9.7	10.2	12.9	10.7	12.0
31	15.0	9.7	12.3	—	—	—	10.2	8.6	9.4	11.5	9.8	10.5
MONTH	28.1	9.7	23.6	22.4	9.7	16.2	19.0	6.0	13.3	17.5	7.2	10.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.8	8.4	8.9	16.6	14.4	15.6	17.8	14.8	16.4	25.1	24.5	24.8
2	9.9	7.4	8.6	17.0	13.0	15.3	19.5	15.8	17.7	24.9	24.0	24.5
3	10.2	7.7	9.0	13.5	10.2	12.1	21.0	17.5	18.8	25.3	23.8	24.5
4	11.4	9.5	10.5	14.7	11.6	13.3	20.9	17.4	19.0	24.9	23.1	23.9
5	13.0	11.4	12.1	15.7	13.5	14.4	21.2	18.7	19.8	24.9	22.5	23.9
6	15.2	12.4	14.2	15.2	14.2	14.8	20.2	18.8	19.7	26.0	23.2	24.5
7	15.9	14.7	15.3	17.6	14.9	16.2	18.8	17.1	17.9	26.3	24.2	25.2
8	17.5	15.3	16.4	18.7	16.8	17.8	20.0	16.8	18.3	26.8	24.7	25.6
9	18.4	15.5	17.2	18.3	16.7	17.9	21.4	18.0	19.7	27.8	24.6	25.9
10	18.5	16.8	17.6	16.7	13.5	15.1	23.5	20.5	21.9	27.0	24.7	25.9
11	17.2	14.5	15.5	15.2	12.7	13.9	24.0	21.8	22.8	27.7	25.2	26.5
12	16.3	13.9	15.1	16.2	13.4	14.8	23.9	22.6	23.3	28.8	26.5	27.7
13	16.0	13.6	15.4	17.4	14.7	16.0	23.3	21.1	22.2	29.0	26.8	27.7
14	13.6	12.0	12.9	18.0	15.5	16.4	23.0	21.0	21.9	28.1	26.9	27.4
15	13.4	12.2	12.8	17.8	15.6	16.6	23.2	21.5	22.0	28.4	26.6	27.4
16	13.5	12.7	13.1	17.0	15.9	16.5	22.5	21.1	21.7	28.7	27.0	27.9
17	14.9	12.9	13.8	17.4	14.9	16.3	21.1	20.0	20.4	28.5	26.5	27.4
18	16.2	13.8	15.0	18.2	16.2	17.1	21.0	19.7	20.2	28.1	25.7	26.6
19	17.8	15.4	16.5	20.6	18.1	19.1	22.7	20.0	21.3	26.3	24.0	25.0
20	18.4	16.8	17.6	20.0	18.7	19.4	23.0	21.3	22.3	25.3	22.7	23.9
21	19.1	17.9	18.4	20.2	19.3	19.7	23.5	22.1	22.8	26.9	23.3	24.7
22	19.5	18.4	18.7	22.2	19.4	20.2	25.0	22.3	23.3	26.1	23.3	24.7
23	19.7	18.2	19.1	20.4	19.5	19.9	25.6	22.9	24.2	27.7	24.1	25.5
24	18.2	15.0	16.2	21.5	19.8	20.6	24.5	22.5	23.5	27.4	24.7	25.9
25	16.8	14.8	16.0	23.3	19.8	21.4	25.2	23.3	24.2	27.6	24.8	25.9
26	17.0	15.1	16.2	21.6	20.3	21.0	26.3	24.1	25.0	27.0	24.5	25.7
27	15.6	13.7	14.6	21.1	19.0	20.5	27.0	24.8	25.8	26.9	25.2	25.9
28	16.0	13.6	14.8	20.8	16.8	19.5	27.3	25.1	26.1	27.1	25.2	26.2
29	—	—	—	19.0	16.3	17.6	27.5	25.3	26.4	27.3	25.9	26.7
30	—	—	—	19.2	16.6	17.8	26.6	24.9	25.8	—	—	—
31	—	—	—	18.0	15.1	16.8	—	—	—	—	—	—
MONTH	19.7	7.4	14.7	23.3	10.2	17.2	27.5	14.8	21.8	29.0	22.5	25.8

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	31.2	28.8	30.0	28.4	27.1	27.6	30.8	29.1	29.7
2	---	---	---	30.9	28.8	29.8	27.4	26.1	26.9	30.8	28.6	29.5
3	---	---	---	30.6	28.5	29.3	29.2	26.0	27.4	30.2	27.7	28.8
4	---	---	---	31.7	29.4	30.2	30.0	27.7	28.9	29.7	28.1	28.8
5	---	---	---	30.6	29.3	29.9	30.5	29.0	29.6	29.5	27.3	28.4
6	---	---	---	31.4	29.2	30.2	30.6	28.3	29.3	30.1	27.6	28.7
7	---	---	---	30.4	28.6	29.6	30.9	29.1	29.9	30.5	28.4	29.3
8	---	---	---	28.6	27.3	28.2	30.7	29.5	30.1	30.6	28.4	29.5
9	---	---	---	28.5	27.1	27.7	30.4	28.7	29.4	30.7	29.0	29.9
10	---	---	---	27.9	26.5	27.4	30.0	28.1	29.1	30.5	28.9	29.6
11	---	---	---	28.0	26.4	27.1	30.2	28.2	29.2	29.3	28.0	28.7
12	---	---	---	29.0	26.8	27.9	29.5	28.5	28.9	29.0	27.3	28.1
13	---	---	---	28.7	27.4	28.0	29.8	27.8	28.8	28.4	27.2	27.8
14	---	---	---	29.3	27.2	28.1	29.7	28.4	29.1	27.6	26.7	27.0
15	31.2	28.6	29.9	30.2	27.7	28.8	30.6	28.4	29.3	26.7	26.1	26.3
16	32.2	29.2	30.4	31.5	28.6	29.8	30.3	28.4	29.2	27.7	25.9	26.7
17	31.2	28.3	29.6	31.3	29.3	30.1	29.7	28.0	28.7	28.7	26.5	27.5
18	28.3	27.4	27.8	31.9	29.2	30.5	30.2	27.7	28.6	28.6	26.9	27.7
19	28.4	27.0	27.6	30.7	29.3	30.0	30.7	28.2	29.3	28.0	25.9	27.0
20	30.0	26.8	28.0	30.8	28.8	29.7	30.4	28.7	29.6	27.9	26.2	27.1
21	30.2	27.2	28.7	30.8	29.1	29.8	29.7	27.7	28.7	27.0	26.0	26.5
22	---	---	---	29.4	27.4	28.7	28.7	27.5	28.0	27.2	25.6	26.3
23	---	---	---	29.2	27.2	28.1	29.6	27.6	28.5	27.2	25.7	26.3
24	26.9	24.6	25.8	31.0	27.9	29.3	30.5	28.3	29.4	27.3	24.7	25.9
25	28.3	25.7	26.8	31.1	28.7	29.9	30.4	28.7	29.4	26.5	24.8	25.5
26	28.7	26.9	27.8	30.6	28.8	29.5	29.5	28.2	28.8	25.4	23.6	24.4
27	29.5	27.4	28.3	29.2	27.1	28.0	29.3	27.7	28.4	26.2	23.8	24.8
28	30.3	27.6	28.9	29.1	25.7	27.4	30.2	27.8	28.9	27.1	24.5	25.7
29	29.9	28.1	28.9	29.7	27.0	28.1	31.1	28.7	29.8	27.5	25.4	26.3
30	30.2	27.6	28.8	30.0	27.7	28.7	30.8	29.2	29.8	27.5	25.9	26.6
31	---	---	---	29.0	27.4	28.1	30.5	28.8	29.5	---	---	---
MONTH	---	---	---	31.9	25.7	29.0	31.1	26.0	29.0	30.8	23.6	27.5

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 been filtered through 0.45 micron filters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV 1993 11...	0945	473	7.70	13.0	5	25	<1	9.6	20	1.6	280	K40
FEB 1994 01...	0915	325	7.58	4.5	15	95	<1	12.4	--	3.0	1300	400
MAR 16...	1345	307	7.65	9.5	15	55	<1	10.1	10	1.8	660	K8
JUN 30...	1445	418	7.79	29.0	5	12	<1	6.1	19	0.1	1100	220
SEP 01...	1130	625	6.94	29.5	5	1.5	<1	6.7	<10	0.6	--	440
DATE	HARD- NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 1993 11...	180	47	16	145	55	27	--	--	64	<0.01	--	1.6
FEB 1994 01...	120	33	9.6	100	37	18	0.1	202	228	0.02	0.01	1.1
MAR 16...	110	32	8.3	77	36	19	0.2	172	240	0.03	0.02	1.3
JUN 30...	150	39	13	117	49	23	0.3	246	12	<0.01	<0.01	1.3
SEP 01...	190	45	18	130	66	76	0.3	360	14	0.02	0.02	0.94
DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS Cd)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS Cr)
NOV 1993 11...	--	0.02	--	--	0.50	0.17	--	--	2	<1	<1	4
FEB 1994 01...	1.1	0.07	0.06	0.57	0.32	0.12	0.03	0.04	4	<1	<1	<5
MAR 16...	1.3	0.07	0.07	0.60	0.28	0.30	0.06	0.05	1	<1	<1	<5
JUN 30...	1.3	0.02	0.02	0.32	0.26	0.14	0.12	0.11	2	<1	<1	<5
SEP 01...	0.94	0.03	0.03	0.38	0.28	0.10	0.10	0.08	1	<1	<1	<5

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

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

LOWER MISSISSIPPI RIVER BASIN

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
NOV 1993											
11...	7	3	<0.1	4	<1	2	6	4.4	<0.01	3	<1
FEB 1994											
01...	7	6	0.1	7	<1	--	20	5.4	<0.01	6	1
MAR											
16...	12	11	0.2	8	<1	<1	30	5.7	<0.01	<1	<1
JUN											
30...	1	2	<0.1	3	<1	2	8	3.7	<0.01	2	<1
SEP											
01...	4	2	<0.1	3	<1	3	5	3.5	<0.01	5	<1

DATE	SI- MAZINE, WATER, DISS, REC (UG/L)	PRO- METRYN, WATER, DISS, REC (UG/L)	PRO- METON, WATER, DISS, REC (UG/L)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L)	CYANA- ZINE, WATER, DISS, REC (UG/L)	AMETRYN WATER, DISS, REC, (UG/L)	PROP- AZINE WATER DISS REC (UG/L)
FEB 1994								
01...	<0.05	<0.05	0.06	<0.05	<0.05	<0.2	<0.05	<0.05
MAR								
16...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05
JUN								
30...	0.10	<0.05	<0.05	<0.05	0.10	0.4	<0.05	<0.05
SEP								
01...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05

DATE	METO- LACHLOR WATER DISSOLV (UG/L)	ATRA- ZINE, WATER, DISS, REC (UG/L)	ALA- CHLOR, WATER, DISS, REC, (UG/L)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)
FEB 1994								
01...	<0.05	0.08	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01
MAR								
16...	<0.05	0.08	<0.05	<0.05	--	--	--	--
JUN								
30...	0.22	0.82	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01
SEP								
01...	0.05	0.14	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01

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

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.—Data collection platform. Datum of gage is 62.11 ft above sea level. Prior to June 9, 1944, nonrecording gage at same site and datum. Prior to Jan. 20, 1993, water-stage recorder.

REMARKS.—Estimated daily discharges. Records fair. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.—Peak discharge greater than base of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 29	0600	*2,430	*16.01	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	128	65	78	236	127	90	86	120	76	73	59
2	49	e100	64	77	180	447	85	86	133	83	73	65
3	49	e90	64	77	150	649	81	107	115	84	77	72
4	49	e75	71	75	133	303	79	333	e90	77	88	70
5	49	78	139	73	152	183	77	201	e200	75	120	61
6	48	102	118	71	228	148	90	115	532	93	84	58
7	48	99	86	70	258	128	263	96	259	155	76	58
8	48	78	78	70	177	115	232	90	149	100	72	57
9	48	73	73	70	152	228	126	106	113	173	69	56
10	48	80	72	69	160	632	103	361	107	152	67	56
11	48	80	86	68	278	631	93	417	274	325	66	57
12	47	73	85	68	414	273	89	180	406	519	65	60
13	49	70	84	69	251	180	121	126	406	630	64	60
14	56	69	205	68	167	147	132	106	374	272	64	58
15	60	72	275	67	136	132	102	99	409	228	65	58
16	55	112	141	65	121	118	239	92	309	239	64	62
17	54	159	110	72	111	107	506	94	160	232	63	72
18	54	110	95	140	102	97	376	104	115	184	62	71
19	52	92	89	119	96	93	163	93	101	141	61	64
20	51	83	88	90	92	89	130	84	92	332	62	59
21	52	77	87	81	90	86	316	79	86	327	60	58
22	60	73	84	76	87	84	482	77	84	251	60	57
23	64	70	112	73	133	81	295	75	88	154	67	57
24	59	69	135	72	311	80	170	74	101	126	66	56
25	56	67	106	70	310	90	187	73	109	106	60	55
26	55	66	92	69	167	132	174	73	100	93	59	54
27	54	67	85	119	129	99	129	73	86	92	59	53
28	52	70	81	1320	111	159	108	162	81	90	58	53
29	72	68	82	2100	---	232	96	150	78	85	58	53
30	e270	66	88	903	---	128	89	100	76	79	62	53
31	e220	---	83	390	---	102	---	115	---	77	59	---
TOTAL	2026	2516	3123	6829	4932	6100	5223	4027	5353	5650	2103	1782
MEAN	65.4	83.9	101	220	176	197	174	130	178	182	67.8	59.4
MAX	270	159	275	2100	414	649	506	417	532	630	120	72
MIN	47	66	64	65	87	80	77	73	76	75	58	53
CFSM	.68	.88	1.05	2.31	1.84	2.06	1.82	1.36	1.87	1.91	.71	.62
IN.	.79	.98	1.22	2.66	1.92	2.38	2.03	1.57	2.09	2.20	.82	.69

e Estimated.

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NR FOLSOM--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1994, BY WATER YEAR (WY)

MEAN	64.2	123	189	238	302	253	248	160	96.5	94.3	97.8	91.8
MAX	216	800	866	1630	1257	621	1227	853	373	302	426	419
(WY)	1978	1962	1954	1993	1961	1973	1983	1953	1959	1949	1983	1977
MIN	32.0	39.5	51.3	57.7	57.7	53.6	50.6	44.8	35.5	36.8	34.3	31.1
(WY)	1969	1982	1970	1957	1968	1955	1963	1963	1968	1968	1968	1968

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1944 - 1994

ANNUAL TOTAL	99091	49664	
ANNUAL MEAN	271	136	162
HIGHEST ANNUAL MEAN			313
LOWEST ANNUAL MEAN			62.5
HIGHEST DAILY MEAN	15000	2100	15100
LOWEST DAILY MEAN	47	47	.00
ANNUAL SEVEN-DAY MINIMUM	48	48	28
INSTANTANEOUS PEAK FLOW		2430	29800
INSTANTANEOUS PEAK STAGE		16.01	24.14
INSTANTANEOUS LOW FLOW		47	26
INSTANTANEOUS LOW STAGE		5.14	4.75
ANNUAL RUNOFF (CFSM)	2.84	1.42	1.70
ANNUAL RUNOFF (INCHES)	38.60	19.35	23.10
10 PERCENT EXCEEDS	309	271	300
50 PERCENT EXCEEDS	92	88	71
90 PERCENT EXCEEDS	55	57	44

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.29	6.52	5.56	5.78	7.74	6.48	5.90	5.74	6.12	5.48	5.50	5.27
2	5.29	---	5.56	5.77	7.16	9.43	5.81	5.73	6.31	5.62	5.50	5.36
3	5.28	---	5.55	5.77	6.82	10.78	5.75	6.03	6.04	5.62	5.55	5.48
4	5.28	---	5.67	5.73	6.59	8.31	5.72	8.41	---	5.51	5.74	5.45
5	5.28	5.78	6.64	5.69	6.84	7.19	5.69	7.17	---	5.47	6.21	5.31
6	5.27	6.15	6.38	5.67	7.66	6.79	5.90	6.16	9.76	5.74	5.67	5.25
7	5.26	6.10	5.91	5.66	7.96	6.52	7.90	5.87	7.61	6.61	5.54	5.24
8	5.26	5.78	5.77	5.66	7.12	6.33	7.59	5.78	6.50	5.88	5.48	5.22
9	5.26	5.70	5.70	5.66	6.84	7.46	6.41	5.98	6.02	6.80	5.43	5.21
10	5.26	5.81	5.68	5.63	6.92	10.68	6.09	8.60	5.94	6.59	5.40	5.20
11	5.26	5.82	5.90	5.61	8.14	10.64	5.93	9.04	7.75	8.28	5.38	5.22
12	5.25	5.69	5.90	5.62	9.23	7.99	5.87	6.94	8.87	9.76	5.36	5.28
13	5.28	5.64	5.87	5.64	7.87	7.09	6.32	6.29	8.87	10.59	5.35	5.29
14	5.40	5.64	7.39	5.62	7.01	6.71	6.48	6.00	8.60	7.80	5.34	5.25
15	5.48	5.68	8.10	5.60	6.63	6.50	6.05	5.89	8.90	7.43	5.36	5.25
16	5.38	6.28	6.70	5.57	6.43	6.31	7.57	5.79	8.09	7.55	5.35	5.32
17	5.37	6.92	6.26	5.69	6.28	6.15	9.79	5.81	6.63	7.46	5.33	5.48
18	5.36	6.27	6.06	6.67	6.15	6.01	8.77	5.94	6.06	6.97	5.31	5.47
19	5.34	6.00	5.96	6.40	6.07	5.95	6.84	5.79	5.86	6.48	5.29	5.35
20	5.32	5.85	5.94	5.97	6.00	5.88	6.42	5.63	5.73	8.28	5.31	5.26
21	5.34	5.76	5.92	5.83	5.97	5.84	8.33	5.56	5.64	8.29	5.28	5.24
22	5.48	5.69	5.87	5.75	5.92	5.81	9.59	5.52	5.61	7.66	5.28	5.24
23	5.54	5.65	6.30	5.70	6.56	5.76	8.10	5.48	5.67	6.65	5.39	5.22
24	5.47	5.63	6.62	5.68	8.41	5.74	6.91	5.47	5.87	6.28	5.38	5.21
25	5.40	5.61	6.21	5.65	8.39	5.90	7.09	5.45	5.98	6.00	5.28	5.19
26	5.38	5.59	6.01	5.63	7.01	6.51	6.94	5.44	5.86	5.81	5.27	5.17
27	5.36	5.59	5.89	6.25	6.54	6.04	6.39	5.44	5.65	5.78	5.26	5.16
28	5.34	5.65	5.82	13.21	6.27	6.80	6.08	6.62	5.57	5.76	5.25	5.16
29	5.67	5.62	5.85	15.42	---	7.62	5.90	6.53	5.52	5.68	5.25	5.16
30	---	5.58	5.93	12.00	---	6.45	5.79	5.85	5.49	5.59	5.32	5.15
31	---	---	5.86	9.04	---	6.08	---	6.06	---	5.57	5.26	---
MAX	---	---	8.10	15.42	9.23	10.78	9.79	9.04	---	10.59	6.21	5.48
MIN	---	---	5.55	5.57	5.92	5.74	5.69	5.44	---	5.47	5.25	5.15

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA
(National stream-quality accounting network station)

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 Chappelpeela Creek, and 6.0 mi east of Hammond.

WATER-DISCHARGE RECORDS

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.—No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in 1921 reached a stage of 27.1 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.—Peak discharge greater than base of 8,000 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 30	0300	*22,900	*20.32	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	469	903	650	712	4100	1190	750	728	1350	633	693	542
2	467	679	641	703	2170	2780	724	717	1350	668	686	915
3	465	611	634	710	1710	2730	702	863	1100	667	756	1080
4	466	581	690	697	1490	1970	692	1340	983	651	746	1350
5	464	622	876	696	1560	1420	683	1270	1120	616	794	780
6	462	745	877	678	3250	1210	841	948	1260	624	761	640
7	460	742	795	665	3830	1090	1810	826	1380	647	735	591
8	456	638	822	676	2280	1030	1810	818	1220	725	661	569
9	456	598	804	727	1840	1640	1410	741	984	1100	629	556
10	455	599	802	702	1680	3410	1100	1300	944	1800	607	554
11	453	608	773	674	3250	3010	943	1930	1210	2410	598	600
12	453	581	730	660	5740	1860	885	1320	1970	3400	590	646
13	457	567	767	658	5610	1380	1320	1080	2300	3370	588	612
14	473	567	1490	649	3470	1180	2340	1020	1730	4000	589	572
15	488	683	2150	637	1900	1080	1730	960	1900	3710	579	563
16	504	3370	1420	626	1510	1010	2420	897	1460	2070	591	1490
17	495	5710	1100	703	1330	950	3820	897	1070	1390	583	1590
18	481	5990	991	1040	1210	901	2880	903	957	1150	568	998
19	470	3480	899	1260	1120	871	1540	883	832	1070	560	745
20	464	1600	831	962	1070	852	1170	827	754	1150	561	648
21	484	1160	775	851	1030	823	1550	800	704	1000	564	606
22	565	986	750	789	998	803	1730	780	690	1010	571	582
23	548	879	808	723	1320	784	1270	768	726	1070	565	571
24	511	812	932	680	1870	769	1090	760	1060	952	573	559
25	487	766	871	661	1720	829	1030	751	1160	849	611	548
26	477	733	795	647	1440	865	958	745	1110	779	579	539
27	473	715	749	1060	1190	868	878	742	865	1060	545	532
28	469	697	719	7110	1060	931	819	920	746	963	535	528
29	692	684	717	15800	---	983	776	1240	685	943	544	523
30	1740	665	765	19300	---	898	744	967	657	867	535	519
31	1480	---	751	9660	---	805	---	1050	---	757	535	---
TOTAL	17284	37971	27374	72116	60748	40922	40415	29791	34277	42101	19032	21548
MEAN	558	1266	883	2326	2170	1320	1347	961	1143	1358	614	718
MAX	1740	5990	2150	19300	5740	3410	3820	1930	2300	4000	794	1590
MIN	453	567	634	626	998	769	683	717	657	616	535	519
CFSM	.86	1.96	1.37	3.60	3.36	2.04	2.09	1.49	1.77	2.10	.95	1.11
IN.	1.00	2.19	1.58	4.15	3.50	2.36	2.33	1.72	1.97	2.42	1.10	1.24

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued
(National stream-quality accounting network station)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

MEAN	560	775	1319	1620	2037	1830	1793	1194	805	785	730	729
MAX	1594	3122	4534	4885	7611	5106	8813	4689	2746	3112	2114	3021
(WY)	1965	1949	1962	1993	1966	1943	1983	1953	1975	1946	1983	1971
MIN	270	294	315	381	487	530	437	362	356	363	345	321
(WY)	1968	1940	1940	1940	1968	1967	1963	1963	1963	1968	1968	1968

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1939 - 1994	
ANNUAL TOTAL	560785		443579			
ANNUAL MEAN	1536		1215		1177	
HIGHEST ANNUAL MEAN					2258	
LOWEST ANNUAL MEAN					525	
HIGHEST DAILY MEAN	36400	Jan 22	19300	Jan 30	78500	Apr 7 1983
LOWEST DAILY MEAN	453	Oct 11	453	Oct 11	245	Oct 30 1968
ANNUAL SEVEN-DAY MINIMUM	456	Oct 7	456	Oct 7	246	Oct 28 1968
INSTANTANEOUS PEAK FLOW			22900	Jan 30	85000	Apr 7 1983
INSTANTANEOUS PEAK STAGE			20.32	Jan 30	25.87	Apr 7 1983
INSTANTANEOUS LOW FLOW			451	Oct 12, 13	245	Oct 30 1968
INSTANTANEOUS LOW STAGE			6.26	Oct 12, 13	2.95	Oct 30 1939
ANNUAL RUNOFF (CFSM)	2.38		1.88		1.82	
ANNUAL RUNOFF (INCHES)	32.29		25.54		24.75	
10 PERCENT EXCEEDS	2800		1910		2090	
50 PERCENT EXCEEDS	842		808		644	
90 PERCENT EXCEEDS	510		545		384	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.33	7.74	6.95	7.16	13.48	8.57	7.27	7.21	8.60	6.89	7.09	6.57
2	6.32	7.04	6.92	7.12	10.97	12.01	7.19	7.17	8.61	7.01	7.07	7.77
3	6.31	6.82	6.90	7.15	9.99	11.97	7.12	7.62	7.88	7.01	7.29	8.29
4	6.32	6.71	7.08	7.11	9.45	10.54	7.09	9.04	7.51	6.95	7.26	9.06
5	6.31	6.85	7.66	7.10	9.62	9.26	7.06	8.84	7.95	6.84	7.41	7.36
6	6.30	7.26	7.66	7.04	12.60	8.69	7.55	7.88	8.36	6.86	7.31	6.92
7	6.29	7.25	7.41	7.00	13.33	8.35	10.17	7.51	8.70	6.94	7.23	6.75
8	6.28	6.91	7.50	7.04	11.17	8.12	10.21	7.48	8.25	7.18	6.99	6.67
9	6.28	6.77	7.44	7.20	10.29	9.55	9.24	7.24	7.52	8.35	6.88	6.62
10	6.28	6.78	7.43	7.12	9.93	12.89	8.37	8.95	7.40	10.17	6.80	6.61
11	6.27	6.81	7.34	7.03	12.49	12.34	7.86	10.33	8.24	11.42	6.77	6.78
12	6.27	6.71	7.21	6.98	15.00	10.31	7.68	8.54	10.42	12.86	6.74	6.94
13	6.28	6.66	7.32	6.98	14.91	9.15	8.92	7.82	11.24	12.84	6.74	6.82
14	6.34	6.66	9.38	6.94	12.85	8.61	11.30	7.64	10.01	13.53	6.74	6.68
15	6.39	7.03	10.94	6.91	10.40	8.30	10.02	7.44	10.40	13.19	6.70	6.65
16	6.45	12.66	9.25	6.87	9.50	8.06	11.32	7.25	9.37	10.74	6.75	9.33
17	6.42	14.97	8.37	7.12	9.02	7.88	13.35	7.25	8.26	9.18	6.72	9.66
18	6.37	15.16	8.00	8.15	8.69	7.73	12.08	7.27	7.90	8.52	6.66	8.04
19	6.33	12.78	7.73	8.83	8.44	7.64	9.57	7.21	7.53	8.25	6.63	7.26
20	6.31	9.71	7.52	7.92	8.26	7.59	8.59	7.04	7.28	8.49	6.64	6.94
21	6.38	8.53	7.35	7.58	8.12	7.50	9.51	6.94	7.13	8.04	6.65	6.80
22	6.65	7.99	7.27	7.39	8.03	7.44	10.01	6.87	7.08	8.08	6.68	6.71
23	6.59	7.67	7.45	7.19	8.96	7.38	8.85	6.83	7.20	8.28	6.65	6.67
24	6.47	7.46	7.83	7.05	10.33	7.33	8.34	6.80	8.23	7.89	6.68	6.63
25	6.39	7.32	7.64	6.99	10.02	7.52	8.12	6.70	8.54	7.58	6.82	6.59
26	6.36	7.22	7.41	6.94	9.33	7.62	7.90	6.75	8.38	7.36	6.70	6.56
27	6.34	7.17	7.27	8.10	8.64	7.63	7.66	6.74	7.63	8.21	6.58	6.54
28	6.33	7.11	7.18	15.60	8.25	7.82	7.49	7.32	7.26	7.93	6.55	6.53
29	7.05	7.06	7.17	18.78	---	7.98	7.35	8.32	7.07	7.86	6.58	6.51
30	10.05	7.00	7.32	19.62	---	7.73	7.25	7.46	6.97	7.63	6.55	6.49
31	9.42	---	7.28	16.90	---	7.44	---	7.72	---	7.29	6.55	---
MAX	10.05	15.16	10.94	19.62	15.00	12.89	13.35	10.33	11.24	13.53	7.41	9.66
MIN	6.27	6.66	6.90	6.87	8.03	7.33	7.06	6.70	6.97	6.84	6.55	6.49

MISSISSIPPI RIVER DELTA
07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1954-56, 1966-76, 1979 to current year, discontinued.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1979 to September 1982.

WATER TEMPERATURES: November 1979 to September 1982.

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

INSTRUMENTATION.--Water-quality monitor November 1979 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 87 micromhos Dec. 6, 1981; minimum, 27 micromhos Apr. 2, 3, 1982.

WATER TEMPERATURES: Maximum 33.0 °C July 22, 24, 1981; minimum, 4.0 °C Jan. 15, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCOCCI KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)
DEC 1993 14...	1345	1490	50	6.92	14.0	20	39	10.0	2.3	>12000	>10000	9
JAN 1994 12...	1145	660	51	7.03	10.5	5	2.5	10.7	1.1	80	K60	10
JUN 10...	1030	944	48	7.04	28.0	20	18	7.2	1.0	K20	230	10
AUG 09...	1000	629	46	7.16	27.0	5	5.3	7.2	0.5	K80	K42	10
DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
DEC 1993 14...	2.2	0.92	4.3	2.1	10	10	2.1	5.3	0.1	10	37	36
JAN 1994 12...	2.3	0.96	4.9	1.4	13	11	1.7	6.0	<0.1	10	43	35
JUN 10...	2.3	1.0	3.8	2.2	12	12	1.7	5.5	<0.1	11	52	37
AUG 09...	2.3	0.97	4.3	1.5	--	12	0.90	5.0	0.1	11	34	35
DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	
DEC 1993 14...	0.03	0.41	0.09	0.7	0.19	0.06	0.06	320	31	<3	470	
JAN 1994 12...	0.02	0.28	0.02	<0.2	0.05	0.03	0.03	60	33	<3	310	
JUN 10...	0.02	0.43	0.04	0.3	0.10	--	0.10	90	27	<3	410	
AUG 09...	<0.01	0.19	0.02	<0.2	0.05	0.04	0.03	50	26	<3	330	
DATE	LITHIUM DIS-SOLVED (UG/L AS Li)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS Ni)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS Ag)	STRON-TIUM, DIS-SOLVED (UG/L AS Sr)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
DEC 1993 14...	<4	150	<10	<1	<1	<1	19	<6	212	853	67	
JAN 1994 12...	<4	63	<10	<1	<1	<1	23	<6	--	--	--	
JUN 10...	<4	38	10	<1	<1	<1	20	<6	40	102	85	
AUG 09...	<4	61	<10	<1	<1	<1	23	<6	18	31	94	

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

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

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

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.--Data-collection platform and rain gage. 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.

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 discharge, 29 ft³/s, Sept. 26-30, 1968; minimum gage height, 1.76 ft, Oct. 9, 11, 12, 13, 14, 15, 16, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,800 ft³/s, Jan. 27, 28, gage height, 12.50 ft; minimum gage height, 1.86 ft, Sept. 28, 29, 30.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	2.05	2.10	2.29	3.27	2.36	2.06	2.20	4.31	2.08	2.16	2.39
2	1.95	2.01	2.10	2.33	2.96	3.38	2.05	2.15	3.27	2.20	2.06	2.05
3	1.95	1.99	2.10	2.34	2.77	3.29	2.04	3.03	2.60	2.10	2.07	1.94
4	1.94	2.03	2.52	2.29	2.71	2.76	2.03	4.11	2.57	2.03	2.27	1.90
5	1.94	2.09	2.84	2.25	5.42	2.53	2.02	2.92	3.65	2.01	2.30	1.89
6	1.94	2.13	2.40	2.22	7.35	2.41	3.32	2.47	2.78	1.99	2.09	1.89
7	1.93	2.07	2.26	2.24	4.96	2.33	4.91	2.29	3.06	1.99	2.02	1.89
8	1.94	2.02	2.20	2.30	3.70	2.28	3.30	2.21	2.44	2.42	1.99	1.89
9	1.94	2.08	2.16	2.28	3.47	2.82	2.66	2.35	2.26	2.76	1.97	1.89
10	1.94	2.09	2.22	2.23	4.01	4.57	2.40	5.48	2.91	3.03	1.96	1.91
11	1.92	2.05	2.32	2.20	7.59	3.44	2.27	3.36	5.26	4.11	1.95	1.90
12	1.92	2.02	2.27	2.18	8.12	2.80	3.10	2.65	3.60	3.74	1.94	2.03
13	1.96	2.01	2.60	2.16	4.87	2.56	6.27	2.38	2.68	3.86	1.94	1.95
14	2.02	2.12	4.90	2.13	3.37	2.42	6.64	2.64	3.26	3.94	1.93	1.89
15	2.02	7.52	3.71	2.10	2.99	2.34	3.46	2.63	3.29	3.21	1.95	1.89
16	1.98	9.55	2.87	2.08	2.77	2.28	5.59	2.32	2.49	2.97	1.95	2.22
17	1.98	7.99	2.57	2.77	2.62	2.22	4.97	2.35	2.30	2.60	1.92	2.40
18	1.97	4.08	2.42	4.49	2.51	2.19	3.22	2.24	2.23	2.76	1.92	2.07
19	1.96	3.06	2.34	3.34	2.44	2.17	2.71	2.16	2.18	2.97	1.91	1.96
20	2.18	2.69	2.29	2.76	2.39	2.15	2.53	2.10	2.12	2.49	1.91	1.92
21	2.20	2.50	2.23	2.53	2.34	2.13	2.79	2.07	2.08	2.36	1.95	1.91
22	2.10	2.37	2.27	2.39	2.31	2.11	2.71	2.06	2.06	2.31	1.95	1.90
23	2.00	2.30	2.57	2.30	2.35	2.10	2.94	2.04	2.11	2.45	1.93	1.89
24	1.98	2.25	2.60	2.24	2.66	2.09	3.09	2.04	3.09	2.28	1.94	1.88
25	1.97	2.21	2.45	2.19	2.67	2.24	2.58	2.03	3.79	2.16	1.92	1.88
26	1.96	2.17	2.34	2.16	2.46	2.26	2.42	2.02	2.64	2.10	1.91	1.87
27	1.95	2.16	2.26	7.13	2.33	2.16	2.31	2.39	2.31	2.14	1.89	1.87
28	1.92	2.14	2.24	11.38	2.27	2.20	2.23	3.10	2.18	2.23	1.89	1.87
29	2.18	2.13	2.58	8.87	---	2.20	2.17	2.67	2.11	2.23	1.89	1.87
30	2.56	2.11	2.48	5.90	---	2.12	2.16	2.49	2.08	2.09	1.89	1.86
31	2.30	---	2.34	3.90	---	2.09	---	4.02	---	2.05	1.93	---
MAX	2.56	9.55	4.90	11.38	8.12	4.57	6.64	5.48	5.26	4.11	2.30	2.40
MIN	1.92	1.99	2.10	2.08	2.27	2.09	2.02	2.02	2.06	1.99	1.89	1.86

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 discharges. Records good. Several measurements of water temperature were made during the year.

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)
Nov. 19	0627	3,470	11.96	Feb. 13	1533	2,630	10.04
Jan. 30	0030	*12,800	* 18.93				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	321	171	197	3300	315	132	158	852	152	194	147
2	108	213	166	179	1320	964	125	147	1100	145	185	138
3	108	167	162	169	525	1040	121	155	786	141	234	194
4	108	147	166	167	364	671	118	167	612	153	235	296
5	107	146	203	164	318	465	116	336	515	142	197	221
6	107	197	252	155	463	347	137	370	510	137	191	156
7	106	229	256	148	939	283	479	242	511	134	214	140
8	106	183	209	144	1220	245	978	188	408	143	189	134
9	106	162	187	148	1120	414	713	176	342	305	173	130
10	106	151	179	153	585	967	393	284	293	619	160	221
11	106	155	179	150	1170	1260	265	354	404	596	154	160
12	106	154	190	145	2040	834	211	600	1140	816	150	149
13	106	146	207	143	2540	499	215	361	1240	1460	166	142
14	107	140	341	140	2250	353	762	229	840	1710	158	136
15	109	168	1050	135	1740	284	872	180	447	888	150	143
16	112	1030	860	130	700	246	1360	189	410	769	150	709
17	112	2030	508	159	477	216	1710	197	363	515	142	1180
18	110	3050	332	337	383	194	1390	800	267	392	141	622
19	108	3350	262	536	323	179	908	451	226	314	137	316
20	107	2310	224	544	284	168	443	235	202	293	136	230
21	109	648	202	360	255	159	445	171	184	304	140	192
22	130	394	189	261	234	151	1390	143	200	273	148	172
23	164	310	197	215	388	144	1600	128	178	250	153	162
24	132	264	236	187	593	139	704	119	243	230	167	154
25	120	235	269	168	443	149	446	113	236	226	170	148
26	114	215	240	155	343	171	359	110	305	211	142	144
27	112	204	205	538	282	154	272	108	353	363	135	142
28	111	193	183	2460	236	155	224	110	239	411	131	141
29	273	185	174	5660	---	170	192	278	189	434	130	139
30	542	177	173	10000	---	158	172	281	165	267	128	137
31	529	---	205	5210	---	143	---	488	---	223	127	---
TOTAL	4489	17274	8377	29257	24835	11637	17252	7868	13760	13016	5027	7095
MEAN	145	576	270	944	887	375	575	254	459	420	162	236
MAX	542	3350	1050	10000	3300	1260	1710	800	1240	1710	235	1180
MIN	106	140	162	130	234	139	116	108	165	134	127	130
CFSM	.59	2.33	1.09	3.82	3.59	1.52	2.33	1.03	1.86	1.70	.66	.96
IN.	.68	2.60	1.26	4.41	3.74	1.75	2.60	1.18	2.07	1.96	.76	1.07

MISSISSIPPI RIVER DELTA
07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1994, BY WATER YEAR (WY)

MEAN	152	236	438	594	734	648	617	396	234	202	213	214
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 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1941 - 1994

ANNUAL TOTAL	208229	159887	
ANNUAL MEAN	570	438	388
HIGHEST ANNUAL MEAN			707
LOWEST ANNUAL MEAN			148
HIGHEST DAILY MEAN	17300	Jan 22	10000
LOWEST DAILY MEAN	106	Oct 7	106
ANNUAL SEVEN-DAY MINIMUM	106	Oct 7	106
INSTANTANEOUS PEAK FLOW			12800
INSTANTANEOUS PEAK STAGE			18.93
INSTANTANEOUS LOW FLOW			105
INSTANTANEOUS LOW STAGE			.79
ANNUAL RUNOFF (CFSM)	2.31	1.77	1.57
ANNUAL RUNOFF (INCHES)	31.36	24.08	21.34
10 PERCENT EXCEEDS	1450	920	805
50 PERCENT EXCEEDS	204	205	167
90 PERCENT EXCEEDS	116	128	100

*Occurred: Oct. 21-24, 28-29, 1976.

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.83	2.48	1.54	1.95	11.55	2.62	1.45	1.67	5.06	1.28	1.38	1.02
2	.83	1.72	1.51	1.82	7.00	5.42	1.39	1.58	5.87	1.21	1.32	.95
3	.82	1.36	1.48	1.75	4.43	5.69	1.35	1.65	4.76	1.18	1.67	1.38
4	.82	1.21	1.51	1.74	3.66	4.36	1.32	1.73	3.97	1.28	1.67	2.11
5	.81	1.21	1.78	1.71	3.41	3.45	1.30	2.80	3.46	1.19	1.40	1.58
6	.80	1.60	2.13	1.65	4.13	2.87	1.49	2.98	3.45	1.15	1.35	1.11
7	.79	1.85	2.17	1.59	6.05	2.51	3.39	2.25	3.45	1.12	1.52	.97
8	.79	1.48	1.83	1.55	6.94	2.27	5.49	1.89	2.88	1.19	1.34	.92
9	.79	1.33	1.66	1.59	6.61	3.13	4.52	1.79	2.50	2.23	1.23	.89
10	.80	1.25	1.60	1.63	4.70	5.43	3.10	2.51	2.21	4.01	1.14	1.56
11	.79	1.27	1.60	1.61	6.70	6.38	2.40	2.89	2.84	3.87	1.09	1.13
12	.79	1.27	1.68	1.57	8.84	4.98	2.05	4.07	5.98	4.89	1.06	1.05
13	.80	1.21	1.81	1.55	9.85	3.61	2.06	2.93	6.34	6.99	1.17	.99
14	.81	1.15	2.62	1.52	9.11	2.90	4.70	2.17	4.91	7.67	1.12	.94
15	.84	1.37	5.72	1.48	7.77	2.51	5.13	1.83	3.10	5.16	1.05	1.00
16	.88	5.52	5.08	1.43	4.46	2.28	6.69	1.89	2.89	4.70	1.06	4.18
17	.88	8.55	3.65	1.66	3.51	2.08	7.70	1.95	2.62	3.43	.99	6.14
18	.86	11.01	2.78	2.79	3.05	1.93	6.78	4.85	2.06	2.73	.98	3.91
19	.83	11.70	2.38	3.78	2.74	1.82	5.22	3.36	1.80	2.24	.95	2.15
20	.81	9.20	2.14	3.82	2.51	1.74	3.34	2.21	1.64	2.10	.93	1.54
21	.84	4.20	1.98	2.93	2.34	1.67	3.33	1.77	1.51	2.17	.97	1.27
22	1.04	3.01	1.90	2.37	2.21	1.61	6.75	1.54	1.62	1.96	1.04	1.13
23	1.34	2.52	1.95	2.08	3.01	1.56	7.38	1.41	1.46	1.78	1.07	1.06
24	1.09	2.22	2.22	1.88	4.03	1.51	4.47	1.33	1.90	1.63	1.18	.99
25	.97	2.02	2.43	1.75	3.35	1.60	3.37	1.27	1.86	1.60	1.21	.95
26	.91	1.88	2.24	1.65	2.85	1.77	2.93	1.23	2.28	1.50	.99	.92
27	.89	1.79	2.01	3.55	2.50	1.64	2.44	1.19	2.56	2.49	.93	.90
28	.87	1.71	1.85	9.62	2.21	1.65	2.13	1.22	1.88	2.84	.89	.89
29	2.03	1.65	1.79	13.90	---	1.76	1.92	2.42	1.54	2.97	.88	.87
30	3.75	1.59	1.78	17.82	---	1.67	1.77	2.49	1.37	1.91	.87	.85
31	3.68	---	2.01	14.54	---	1.55	---	3.43	---	1.59	.86	---
MAX3.75	11.70	5.72	17.82	11.55	6.38	7.70	4.85	6.34	7.67	1.67	6.14	
MIN.79	1.15	1.48	1.43	2.21	1.51	1.30	1.19	1.37	1.12	.86	.85	

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 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.--No estimated discharge. Records fair. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan.28	0630	2,680	14.01	Sept. 16	1400	*2,930	*14.39

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	35	16	25	82	352	39	42	212	28	28	50
2	10	23	16	24	51	1060	39	41	118	71	28	78
3	10	19	16	23	37	236	39	129	76	40	41	102
4	9.8	17	24	20	29	75	38	83	52	30	38	47
5	9.5	30	91	19	110	43	38	54	167	29	28	30
6	8.7	58	41	19	168	31	200	43	252	29	26	26
7	8.4	29	27	18	94	26	347	41	153	40	26	24
8	8.1	20	22	17	60	23	144	46	78	44	25	23
9	8.2	18	20	18	43	718	77	57	55	106	25	23
10	8.0	20	21	18	170	914	57	276	59	214	24	44
11	7.9	18	25	18	813	298	47	106	261	878	24	32
12	7.8	16	22	17	426	144	106	72	840	492	32	25
13	8.3	17	94	18	115	103	104	55	748	493	47	24
14	10	21	280	17	60	85	98	82	198	588	122	22
15	9.8	67	182	17	40	75	74	45	91	304	37	29
16	8.1	597	70	16	31	66	1020	43	62	196	53	2450
17	7.9	292	43	121	26	60	638	65	52	89	27	1390
18	7.7	94	32	269	22	56	178	118	50	59	24	206
19	7.9	54	28	88	20	52	98	53	45	49	24	72
20	7.9	37	27	46	18	49	72	43	40	43	34	42
21	17	29	25	32	16	46	233	43	37	44	28	35
22	13	25	27	26	14	44	330	42	36	40	24	29
23	12	22	72	23	331	42	157	42	38	36	24	26
24	9.2	21	51	21	407	41	91	42	54	36	29	25
25	8.4	20	39	20	90	91	71	42	57	32	46	24
26	8.1	19	30	20	37	82	68	41	36	34	30	23
27	8.0	19	26	630	25	55	54	41	32	252	24	22
28	8.0	18	24	2640	19	99	48	53	30	108	23	21
29	366	17	27	2010	---	50	46	49	29	42	27	21
30	786	17	26	684	---	44	44	43	29	32	124	20
31	101	---	24	178	---	40	---	521	---	29	56	---
TOTAL	1510.7	1689	1468	7112	3354	5100	4595	2453	3987	4507	1148	4985
MEAN	48.7	56.3	47.4	229	120	165	153	79.1	133	145	37.0	166
MAX	786	597	280	2640	813	1060	1020	521	840	878	124	2450
MIN	7.7	16	16	16	14	23	38	41	29	28	23	20
CFSM	.61	.71	.60	2.89	1.51	2.07	1.93	1.00	1.67	1.83	.47	2.09
IN.	.71	.79	.69	3.33	1.57	2.39	2.15	1.15	1.87	2.11	.54	2.33

MISSISSIPPI RIVER DELTA
07376500 NATALBANY RIVER AT BAPTIST, LA.—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1994, BY WATER YEAR (WY)

MEAN	33.3	79.6	143	181	252	207	199	116	58.4	54.9	61.4	60.5
MAX	356	750	710	582	1026	529	821	791	412	230	378	586
(WY)	1986	1949	1954	1993	1966	1947	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 1993 CALENDAR YEAR				FOR 1994 WATER YEAR				WATER YEARS 1944 - 1994				
ANNUAL TOTAL	591878			41909								
ANNUAL MEAN	162			115			120					
HIGHEST ANNUAL MEAN							234					
LOWEST ANNUAL MEAN							25.0					
HIGHEST DAILY MEAN	5650			Jan 21			2640			Jan 28		
LOWEST DAILY MEAN	7.7			Oct 18			7.7			Oct 18		
ANNUAL SEVEN-DAY MINIMUM	8.1			Oct 7			8.1			Oct 7		
INSTANTANEOUS PEAK FLOW							2930			Sep 16		
INSTANTANEOUS PEAK STAGE							14.39			Sep 16		
INSTANTANEOUS LOW FLOW							7.3			Oct 18		
INSTANTANEOUS LOW STAGE							3.23			Oct 18		
ANNUAL RUNOFF (CFSM)	2.04						1.44			1.51		
ANNUAL RUNOFF (INCHES)	27.70						19.61			20.46		
10 PERCENT EXCEEDS	368						252			251		
50 PERCENT EXCEEDS	33						40			25		
90 PERCENT EXCEEDS	13						17			7.1		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.34	4.06	3.55	3.81	5.35	6.38	3.92	3.97	5.59	3.75	3.81	4.19
2	3.34	3.76	3.55	3.79	4.97	10.15	3.92	3.95	4.91	4.35	3.82	4.63
3	3.34	3.63	3.55	3.76	4.73	6.46	3.91	4.87	4.46	3.99	4.09	4.90
4	3.33	3.58	3.74	3.68	4.56	5.27	3.91	4.54	4.13	3.78	4.05	4.20
5	3.32	3.90	4.78	3.65	5.45	4.84	3.90	4.16	5.11	3.77	3.84	3.89
6	3.29	4.44	4.19	3.64	6.06	4.61	5.30	3.99	5.87	3.77	3.78	3.77
7	3.28	3.92	3.90	3.61	5.48	4.47	6.45	3.96	5.19	3.93	3.76	3.71
8	3.26	3.66	3.74	3.58	5.09	4.38	5.12	4.03	4.49	4.02	3.74	3.68
9	3.27	3.61	3.66	3.59	4.83	8.01	4.48	4.13	4.17	4.79	3.73	3.67
10	3.26	3.68	3.69	3.60	5.59	9.24	4.21	6.02	4.21	5.62	3.71	4.09
11	3.26	3.59	3.82	3.59	9.43	6.15	4.06	4.79	5.92	9.12	3.70	3.93
12	3.25	3.54	3.74	3.58	7.51	5.14	4.63	4.41	8.62	7.25	3.85	3.75
13	3.27	3.57	4.43	3.59	5.66	4.77	4.78	4.17	8.44	7.26	4.08	3.69
14	3.34	3.69	6.13	3.57	5.09	4.58	4.71	4.50	5.54	7.73	4.93	3.65
15	3.33	4.16	5.52	3.57	4.78	4.45	4.39	4.03	4.69	6.23	4.01	3.84
16	3.27	7.78	4.60	3.54	4.60	4.34	9.68	3.98	4.34	5.57	4.28	13.22
17	3.26	6.18	4.22	4.73	4.46	4.25	7.93	4.30	4.19	4.72	3.81	10.56
18	3.25	4.86	4.02	6.05	4.35	4.19	5.38	4.90	4.16	4.35	3.71	5.69
19	3.26	4.39	3.91	4.80	4.27	4.13	4.71	4.13	4.09	4.21	3.69	4.73
20	3.25	4.12	3.89	4.28	4.20	4.08	4.42	3.99	3.99	4.10	3.93	4.38
21	3.57	3.94	3.82	4.01	4.14	4.04	5.62	3.98	3.93	4.12	3.82	4.26
22	3.44	3.82	3.87	3.85	4.10	4.00	6.35	3.98	3.93	4.06	3.71	4.14
23	3.39	3.74	4.64	3.76	6.51	3.97	5.24	3.97	3.96	3.98	3.69	4.08
24	3.31	3.69	4.35	3.71	7.39	3.96	4.64	3.97	4.20	3.97	3.84	4.03
25	3.28	3.65	4.15	3.67	5.41	4.58	4.40	3.97	4.26	3.90	4.15	3.99
26	3.26	3.62	3.97	3.65	4.73	4.53	4.36	3.96	3.92	3.94	3.87	3.97
27	3.26	3.64	3.84	7.30	4.42	4.18	4.16	3.96	3.83	5.67	3.71	3.94
28	3.26	3.60	3.78	13.95	4.26	4.68	4.08	4.13	3.80	4.92	3.67	3.92
29	5.85	3.58	3.88	12.76	---	4.11	4.03	4.08	3.78	4.12	3.80	3.90
30	8.56	3.56	3.84	8.67	---	4.00	4.01	3.99	3.76	3.92	4.80	3.88
31	4.89	---	3.80	6.12	---	3.93	---	7.02	---	3.85	4.32	---
MAX	8.56	7.78	6.13	13.95	9.43	10.15	9.68	7.02	8.62	9.12	4.93	13.22
MIN	3.25	3.54	3.55	3.54	4.10	3.93	3.90	3.95	3.76	3.75	3.67	3.65

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 and data-collection platform. 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.—Estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

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)
Nov. 16	2000	8,170	11.70	Feb. 12	0500	15,100	14.25
Jan. 28	2130	*60,800	*20.17				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	288	406	418	432	2110	1180	755	993	4090	530	649	465
2	285	337	413	433	1740	2210	734	735	2550	526	639	403
3	282	318	409	432	1560	2650	721	1650	1320	520	533	369
4	281	326	430	432	1470	1730	710	2070	1000	516	542	353
5	283	373	461	427	4410	1340	700	1260	1860	513	545	346
6	282	423	440	410	5080	1210	2220	871	1770	666	504	342
7	278	359	398	401	3030	1130	5920	743	2170	593	501	340
8	277	328	365	572	2130	1080	4050	697	1130	822	e480	344
9	275	341	357	620	1940	1190	1770	804	859	1750	e470	356
10	272	378	369	515	3730	2600	1160	2810	850	1340	e460	375
11	272	366	497	442	12000	2240	979	1970	1350	2840	e450	388
12	274	332	580	423	13400	1460	1240	1030	917	4710	e430	408
13	281	318	605	411	6690	1200	4520	827	805	5670	e425	387
14	388	326	1780	396	2510	1100	2790	746	818	3520	e420	350
15	397	3260	1650	381	1810	1040	1490	715	1220	2420	e410	340
16	323	7660	914	371	1570	1000	4200	682	873	1760	393	396
17	298	5370	609	681	1440	963	4910	718	687	1110	383	1060
18	291	3140	501	2560	1340	919	1980	1170	646	848	376	754
19	286	1590	459	1710	1280	891	1180	893	633	787	371	506
20	282	823	437	830	1230	870	948	691	585	779	375	406
21	288	615	429	614	1180	850	960	638	574	798	383	375
22	290	523	425	533	1150	827	897	618	662	756	379	363
23	290	483	492	497	1440	806	963	602	1330	751	371	353
24	288	455	533	459	3120	796	781	589	1510	669	371	346
25	286	443	499	434	2450	877	726	584	1090	579	382	339
26	285	442	465	420	1580	952	698	577	708	533	365	337
27	284	440	433	5780	1300	852	679	642	646	877	359	336
28	278	437	413	36600	1190	846	655	2370	587	1880	353	335
29	334	431	519	31000	---	876	639	1090	552	1100	351	332
30	562	424	585	10100	---	840	658	1300	538	675	351	330
31	557	---	464	3100	---	795	---	2440	---	564	370	---
TOTAL	9637	31467	17349	102416	83880	37320	50633	33525	34330	41402	13391	12134
MEAN	311	1049	560	3304	2996	1204	1688	1081	1144	1336	432	404
MAX	562	7660	1780	36600	13400	2650	5920	2810	4090	5670	649	1060
MIN	272	318	357	371	1150	795	639	577	538	513	351	330
CFSM	.54	1.81	.96	5.70	5.17	2.08	2.91	1.86	1.97	2.30	.74	.70
IN.	.62	2.02	1.11	6.57	5.38	2.39	3.25	2.15	2.20	2.66	.86	.78

e Estimated.

MISSISSIPPI RIVER DELTA
07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1994, BY WATER YEAR (WY)

MEAN	453	587	1083	1509	1821	1600	1504	1002	638	524	447	487
MAX	2964	2528	4106	6976	4793	5194	6032	4275	2915	2006	1491	2081
(WY)	1965	1958	1972	1990	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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1951 - 1994	
ANNUAL TOTAL	371822		467484			
ANNUAL MEAN	1019		1281		970	
HIGHEST ANNUAL MEAN					1924	
LOWEST ANNUAL MEAN					380	
HIGHEST DAILY MEAN	18500	Jan 21	36600	Jan 28	66400	Jan 25 1990
LOWEST DAILY MEAN	246	Sep 3	272	Oct 10	188	Oct 18 1956
ANNUAL SEVEN-DAY MINIMUM	276	Oct 7	276	Oct 7	190	Oct 26 1963
INSTANTANEOUS PEAK FLOW			60800	Jan 28	104000	Jan 25 1990
INSTANTANEOUS PEAK STAGE			20.17	Jan 28	22.05	Jan 25 1990
INSTANTANEOUS LOW FLOW			262	Oct 13	188	Oct 18 1956
INSTANTANEOUS LOW STAGE			2.60	Oct 13	0.39	Sep 6-9 1990
ANNUAL RUNOFF (CFMS)	1.76		2.21		1.67	
ANNUAL RUNOFF (INCHES)	23.85		29.98		22.73	
10 PERCENT EXCEEDS	1820		2430		1700	
50 PERCENT EXCEEDS	457		638		430	
90 PERCENT EXCEEDS	314		336		256	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.67	2.97	3.07	3.11	5.30	4.03	3.51	4.13	7.97	3.15	3.62	3.19
2	2.66	2.80	3.06	3.11	4.78	5.58	3.47	3.60	6.27	3.14	3.60	3.03
3	2.65	2.75	3.05	3.11	4.51	6.16	3.44	5.02	4.60	3.14	3.35	2.95
4	2.65	2.77	3.10	3.11	4.36	4.94	3.43	5.80	4.03	3.13	3.37	2.91
5	2.66	2.89	3.18	3.09	7.67	4.36	3.41	4.59	5.42	3.13	3.38	2.89
6	2.65	3.01	3.13	3.05	8.40	4.13	5.55	3.88	5.26	3.50	3.28	2.88
7	2.64	2.85	3.02	3.03	6.39	4.01	9.65	3.61	5.82	3.33	3.27	2.88
8	2.64	2.78	2.94	3.44	5.33	3.93	7.93	3.49	4.26	3.81	---	2.89
9	2.64	2.81	2.92	3.56	5.06	4.12	5.31	3.67	3.77	5.46	---	2.92
10	2.63	2.90	2.95	3.31	6.94	6.15	4.38	6.72	3.74	4.82	---	2.96
11	2.63	2.87	3.26	3.13	12.83	5.72	4.04	5.61	4.66	6.82	---	3.00
12	2.63	2.79	3.46	3.08	13.49	4.60	4.44	4.16	3.90	8.77	---	3.05
13	2.65	2.75	3.50	3.05	9.69	4.19	8.44	3.77	3.68	9.63	---	3.00
14	2.93	2.77	5.65	3.02	5.82	4.02	6.66	3.59	3.72	7.58	---	2.90
15	2.95	6.91	5.46	2.98	4.91	3.92	4.96	3.52	4.47	6.41	---	2.88
16	2.76	11.36	4.19	2.96	4.56	3.85	8.06	3.43	3.83	5.51	3.01	3.02
17	2.70	9.43	3.53	3.60	4.36	3.78	8.82	3.51	3.44	4.47	2.98	4.46
18	2.68	7.31	3.27	6.69	4.22	3.71	5.69	4.40	3.34	3.99	2.97	3.86
19	2.66	5.35	3.17	5.54	4.13	3.67	4.48	3.87	3.32	3.87	2.95	3.29
20	2.65	4.02	3.12	4.05	4.05	3.64	4.07	3.44	3.21	3.86	2.96	3.04
21	2.67	3.54	3.10	3.54	3.97	3.61	4.10	3.31	3.19	3.90	2.98	2.96
22	2.68	3.33	3.09	3.35	3.91	3.57	3.98	3.25	3.30	3.82	2.97	2.93
23	2.68	3.23	3.25	3.26	4.40	3.54	4.10	3.21	4.71	3.82	2.95	2.91
24	2.67	3.16	3.35	3.17	6.61	3.52	3.74	3.18	5.01	3.62	2.95	2.89
25	2.67	3.13	3.27	3.11	5.85	3.70	3.61	3.16	4.30	3.42	2.98	2.87
26	2.66	3.13	3.19	3.08	4.67	3.85	3.53	3.14	3.74	3.31	2.94	2.87
27	2.66	3.13	3.11	8.18	4.23	3.67	3.49	3.29	3.40	4.03	2.92	2.87
28	2.64	3.12	3.06	18.04	4.05	3.67	3.43	6.08	3.26	5.77	2.91	2.86
29	2.79	3.10	3.32	17.55	---	3.73	3.38	4.20	3.19	4.51	2.90	2.86
30	3.36	3.09	3.47	11.65	---	3.67	3.43	4.51	3.16	3.68	2.91	2.85
31	3.35	---	3.18	6.46	---	3.59	---	6.19	---	3.42	2.95	---
MAX	3.36	11.36	5.65	18.04	13.49	6.16	9.65	6.72	7.97	9.63	---	4.46
MIN	2.63	2.75	2.92	2.96	3.91	3.52	3.38	3.14	3.16	3.13	---	2.85

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.—Estimated daily discharges. Records are fair, except periods of estimated daily discharge Oct. 1-7, Jan. 23-24, Feb. 21-23, Mar. 1, 14-25, 27-31 which are poor. Several measurements of water temperature were made during the year.

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)
Nov. 16	1230	6,130	9.45	Feb. 11	2230	5,460	9.35
Jan. 28	1300	*12,700	*15.12	July 27	1430	5,280	9.15

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e60	83	73	116	218	e120	81	287	392	94	127	90
2	e59	65	71	108	175	824	80	198	233	92	116	90
3	e58	59	72	108	153	433	78	646	187	91	124	88
4	e57	62	83	106	142	266	77	891	251	90	166	89
5	e56	79	211	101	699	200	77	281	535	89	136	89
6	e55	76	118	97	1540	168	1220	173	317	89	104	90
7	e54	72	99	98	706	160	1820	142	167	88	91	90
8	53	62	93	110	282	159	1120	144	133	291	84	90
9	50	62	90	146	232	214	273	194	125	512	95	140
10	49	67	95	116	1250	610	201	308	169	525	101	315
11	48	69	146	108	3790	332	173	260	295	542	81	187
12	48	59	130	102	3200	211	240	165	279	874	77	97
13	51	54	366	97	562	164	1130	135	159	532	76	79
14	61	59	811	94	261	e135	777	122	129	241	76	75
15	63	1810	309	91	200	e120	273	115	114	355	76	72
16	56	4660	156	89	171	e115	1990	125	109	293	76	75
17	54	1920	121	351	154	e105	2130	307	106	159	77	439
18	54	369	107	929	141	e100	654	203	104	117	77	282
19	52	175	101	360	133	e95	239	143	118	102	78	137
20	51	126	98	166	130	e90	261	115	100	93	79	88
21	52	108	95	130	e120	e90	494	104	96	98	84	78
22	52	98	94	116	e115	e88	300	99	94	118	82	74
23	52	91	130	e100	e145	e85	223	97	98	305	83	73
24	51	87	157	e95	727	e85	172	96	299	227	101	71
25	51	85	119	97	294	e95	151	93	367	108	96	69
26	52	80	105	94	187	178	146	92	159	86	90	69
27	52	79	97	2490	142	e120	135	94	118	2500	90	70
28	51	78	93	10800	129	e100	128	563	106	3790	90	69
29	74	76	125	4120	---	e95	122	746	99	1350	90	69
30	188	74	228	834	---	e95	175	223	95	245	90	68
31	153	---	140	313	---	e90	---	333	---	158	91	---
TOTAL	1917	10844	4733	22682	15998	5742	14940	7494	5553	14254	2904	3412
MEAN	61.8	361	153	732	571	185	498	242	185	460	93.7	114
MAX	188	4660	811	10800	3790	824	2130	891	535	3790	166	439
MIN	48	54	71	89	115	85	77	92	94	86	76	68
CFM	.43	2.49	1.05	5.05	3.94	1.28	3.43	1.67	1.28	3.17	.65	.78
IN.	.49	2.78	1.21	5.82	4.10	1.47	3.83	1.92	1.42	3.66	.75	.88

c Estimated.

MISSISSIPPI RIVER DELTA
07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1994, BY WATER YEAR (WY)

MEAN	111	157	283	406	466	425	375	221	136	126	121	112
MAX	774	758	1137	1506	1454	1266	1445	1232	609	570	512	623
(WY)	1986	1978	1983	1990	1966	1961	1983	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 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1943 - 1994

ANNUAL TOTAL	102778		110473									
ANNUAL MEAN	282		303							244		
HIGHEST ANNUAL MEAN										527		1983
LOWEST ANNUAL MEAN										83.1		1963
HIGHEST DAILY MEAN	11500	Jan 21	10800	Jan 28	16200						Apr 6	1983
LOWEST DAILY MEAN	48	Oct 11	48	Oct 11	29						Oct 16	1972
ANNUAL SEVEN-DAY MINIMUM	50	Oct 7	50	Oct 7	31						Oct 12	1972
INSTANTANEOUS PEAK FLOW			12700	Jan 28	22400						Apr 22	1977
INSTANTANEOUS PEAK STAGE			15.12	Jan 28	23.37						Mar 18	1961
INSTANTANEOUS LOW FLOW			47	Oct 10-13	28						Oct 12	1972
INSTANTANEOUS LOW STAGE			.46	Oct 10-13	.39						Sep 6-9	1990
ANNUAL RUNOFF (CFSM)	1.94		2.09		1.68							
ANNUAL RUNOFF (INCHES)	26.37		28.34		22.84							
10 PERCENT EXCEEDS	396		538		446							
50 PERCENT EXCEEDS	83		110		81							
90 PERCENT EXCEEDS	55		66		46							

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.73	.85	1.14	1.52	---	.53	1.70	2.13	.70	.93	.70
2	---	.60	.83	1.10	1.30	3.17	.52	1.26	1.48	.69	.86	.70
3	---	.55	.84	1.10	1.18	2.21	.51	2.47	1.26	.68	.92	.68
4	---	.58	.93	1.08	1.11	1.56	.50	3.30	1.50	.68	1.16	.69
5	---	.71	1.60	1.05	2.64	1.25	.50	1.66	2.49	.67	.99	.69
6	---	.68	1.15	1.02	4.39	1.07	3.29	1.14	1.81	.66	.79	.69
7	---	.65	1.04	1.03	2.93	1.03	4.78	.96	1.15	.66	.70	.70
8	.48	.57	1.00	1.10	1.82	1.02	3.62	.98	.95	1.77	.66	.70
9	.48	.58	.98	1.31	1.59	1.28	1.60	1.21	.90	2.50	.72	.91
10	.47	.61	1.01	1.14	3.61	2.72	1.26	1.79	1.15	2.53	.77	1.86
11	.47	.63	1.30	1.09	7.36	1.85	1.11	1.58	1.69	2.57	.63	1.42
12	.47	.56	1.22	1.06	6.59	1.30	1.39	1.10	1.68	3.28	.60	.91
13	.49	.52	1.85	1.02	2.56	1.05	3.75	.93	1.10	2.46	.60	.79
14	.57	.55	3.15	1.00	1.73	---	3.01	.85	.92	1.52	.59	.75
15	.58	4.43	1.94	.99	1.44	---	1.59	.81	.83	2.00	.59	.73
16	.53	8.10	1.36	.97	1.28	---	5.00	.87	.80	1.74	.60	.76
17	.51	4.84	1.17	1.85	1.18	---	5.20	1.81	.78	1.10	.60	2.34
18	.51	2.13	1.09	3.39	1.11	---	2.64	1.31	.77	.85	.60	1.88
19	.50	1.45	1.05	2.08	1.06	---	1.45	.99	.86	.75	.61	1.14
20	.49	1.20	1.03	1.41	1.04	---	1.50	.82	.74	.70	.62	.85
21	.50	1.09	1.01	1.23	---	---	2.38	.75	.72	.73	.65	.78
22	.50	1.03	1.01	1.15	---	---	1.75	.72	.70	.86	.64	.75
23	.50	.98	1.22	---	---	---	1.39	.71	.73	1.62	.65	.74
24	.49	.95	1.36	---	2.96	---	1.12	.70	1.59	1.43	.77	.72
25	.49	.94	1.16	1.03	1.85	---	1.00	.68	1.98	.79	.73	.71
26	.50	.91	1.08	1.00	1.37	1.13	.97	.68	1.10	.65	.69	.71
27	.50	.89	1.03	5.18	1.11	---	.91	.69	.86	5.01	.69	.71
28	.49	.89	1.00	13.84	1.04	---	.87	2.40	.78	7.41	.69	.71
29	.66	.87	1.17	7.68	---	---	.83	2.98	.74	3.92	.69	.71
30	1.37	.86	1.69	3.12	---	---	1.10	1.43	.71	1.56	.69	.70
31	1.17	---	1.28	1.94	---	---	---	1.87	---	1.12	.71	---
MAX	---	8.10	3.15	---	---	---	5.20	3.30	2.49	7.41	1.16	2.34
MIN	---	.52	.83	---	---	---	.50	.68	.70	.65	.59	.68

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.—Lat 30°38'13", long 91°07'39", at center of E 1/2 sec. 39, T. 5 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.—45 mi², approximately.

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

GAGE.—Water-stage recorder. Datum of gage is 65.00 ft above sea level (levels by Corps of Engineers).

REMARKS.—Estimated daily discharges. Records fair, except for periods of estimated 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)
Nov. 16	0645	2570	19.45	Jan. 28	1540	*2810	*20.07

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.18	5.6	.94	4.1	20	183	1.1	55	77	e2.4	e2.5	7.6
2	.18	2.5	.86	3.3	9.7	559	.84	e7.0	13	e2.1	e2.3	25
3	.17	1.5	.98	2.7	6.0	131	.77	e65	5.8	e2.0	e2.5	22
4	.16	1.4	53	2.0	4.8	21	.73	e150	3.5	e1.8	e3.3	7.2
5	.17	2.3	9.7	1.4	143	10	.72	43	159	e1.6	e2.7	2.3
6	.15	8.3	3.2	1.2	204	6.8	503	e4.5	47	e1.6	e2.1	1.1
7	.45	4.6	1.8	1.6	61	5.2	842	e3.6	67	e1.4	e1.8	.72
8	9.1	2.3	1.3	3.1	96	4.3	101	e3.5	10	e85	e1.7	.57
9	4.1	3.3	1.1	2.4	46	262	13	e5.0	5.4	e150	e1.9	9.3
10	.78	4.2	34	2.2	595	311	7.3	e35	581	e180	3.4	33
11	2.0	2.7	26	1.8	1300	36	5.1	e20	745	e300	1.4	7.9
12	.58	1.8	5.3	1.6	437	13	129	e4.0	e40	e450	.88	2.0
13	.38	1.2	411	1.5	39	6.8	285	e3.4	e4.6	e180	.82	.80
14	.29	3.9	539	1.3	16	5.0	40	e3.0	e4.0	e80	1.2	.48
15	.21	1440	86	1.0	9.0	4.0	54	e2.8	e3.8	e150	2.6	2.5
16	.18	2170	17	.84	6.6	3.3	e850	e3.0	e3.6	e80	.93	108
17	.13	380	6.2	433	5.3	2.6	e1200	e30	e3.0	e4.6	.62	127
18	.13	25	3.9	450	4.3	2.3	e100	e5.0	e2.8	e4.0	.50	12
19	.11	8.8	2.8	81	3.7	2.1	e20	e3.5	e4.5	e2.8	.46	5.5
20	.11	5.2	2.5	32	3.2	2.0	e10	4.4	e2.6	e2.5	.95	3.3
21	.93	3.7	2.0	17	2.9	1.9	e75	2.6	e2.0	e2.8	.54	2.3
22	.93	2.6	3.8	11	2.6	1.7	e20	1.7	e1.8	e4.6	1.3	1.9
23	.25	2.1	59	7.6	3.4	1.5	e10	1.2	e2.2	e60	4.1	1.7
24	.16	1.7	42	5.0	44	1.4	e5.0	1.0	e90	e30	2.3	1.7
25	.13	1.5	12	3.7	17	2.6	e4.5	.72	e110	e3.0	.49	1.6
26	.14	1.3	5.1	2.5	8.3	2.2	e4.0	.80	e4.6	e2.5	.25	1.4
27	.13	1.2	3.4	1230	4.4	2.3	e3.0	.64	e4.0	e1200	.21	1.4
28	.11	1.1	2.8	2700	3.2	2.4	e2.7	1.3	e3.6	e1300	.18	1.4
29	38	1.1	33	1040	---	1.8	2.2	32	e3.0	e200	.17	1.4
30	153	1.0	13	158	---	1.3	3.4	250	e2.8	e60	.18	1.4
31	30	---	8.7	54	---	1.1	---	179	---	e10	.18	---
TOTAL	243.34	4091.9	1391.38	6256.84	3095.4	1590.6	4293.36	921.66	2006.6	4554.7	44.46	394.47
MEAN	7.85	136	44.9	202	111	51.3	143	29.7	66.9	147	1.43	13.1
MAX	153	2170	539	2700	1300	559	1200	250	745	1300	4.1	127
MIN	.11	1.0	.86	.84	2.6	1.1	.72	.64	1.8	1.4	.17	.48
CFM	.17	3.03	1.00	4.49	2.46	1.14	3.18	.66	1.49	3.27	.03	.29
IN.	.20	3.38	1.15	5.17	2.56	1.31	3.55	.76	1.66	3.77	.04	.33

e Estimated

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1994, BY WATER YEAR (WY)

MEAN	36.2	51.0	90.6	162	160	114	136	66.6	53.8	42.8	48.8	39.0
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	11.5	2.52	15.1	13.4	1.11	1.50	.56	1.41	1.15	.016
(WY)	1991	1982	1992	1981	1989	1982	1981	1988	1977	1982	1976	1990

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1973 - 1994

ANNUAL TOTAL	30170	28885	
ANNUAL MEAN	82.7	79.1	82.9
HIGHEST ANNUAL MEAN			142
LOWEST ANNUAL MEAN			32.2
HIGHEST DAILY MEAN	2500	2700	4270
LOWEST DAILY MEAN	.11	.11	.00
ANNUAL SEVEN-DAY MINIMUM	.17	.17	.00
INSTANTANEOUS PEAK FLOW		2810	4730
INSTANTANEOUS PEAK STAGE		20.07	23.24
INSTANTANEOUS LOW FLOW		.10	.00
INSTANTANEOUS LOW STAGE		2.01	Oct 6,7,19-21
ANNUAL RUNOFF (CFMS)	1.84	1.76	1.84
ANNUAL RUNOFF (INCHES)	24.94	23.88	25.04
10 PERCENT EXCEEDS	128	155	180
50 PERCENT EXCEEDS	3.3	3.4	4.6
90 PERCENT EXCEEDS	.36	.69	.44

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.04	2.75	2.27	2.72	3.53	5.65	2.38	4.54	4.97	---	---	2.63
2	2.04	2.47	2.26	2.65	3.10	10.39	2.32	---	3.23	---	---	3.53
3	2.04	2.34	2.28	2.58	2.88	5.68	2.31	---	2.86	---	---	3.52
4	2.03	2.33	4.12	2.50	2.78	3.55	2.30	---	2.67	---	---	2.88
5	2.03	2.45	3.00	2.42	5.34	3.13	2.30	4.22	6.08	---	---	2.48
6	2.02	2.90	2.56	2.39	6.96	2.93	8.67	---	4.23	---	---	2.31
7	2.04	2.67	2.41	2.44	4.66	2.81	12.28	---	4.72	---	---	2.24
8	2.96	2.45	2.33	2.63	5.38	2.74	5.10	---	3.12	---	---	2.20
9	2.60	2.55	2.29	2.55	4.29	6.62	3.26	---	2.80	---	---	2.54
10	2.21	2.65	3.66	2.53	9.88	8.03	2.97	---	10.40	---	2.60	3.80
11	2.39	2.50	3.65	2.47	14.98	4.00	2.81	---	11.68	---	2.35	2.91
12	2.17	2.39	2.74	2.45	8.78	3.23	5.20	---	---	---	2.27	2.44
13	2.11	2.30	7.06	2.43	4.11	2.93	7.89	---	---	---	2.26	2.25
14	2.09	2.41	10.10	2.40	3.37	2.80	4.14	---	---	---	2.31	2.18
15	2.06	14.43	5.08	2.36	3.06	2.71	4.51	---	---	---	2.50	2.44
16	2.05	18.18	3.41	2.32	2.92	2.64	---	---	---	---	2.28	5.31
17	2.03	8.10	2.89	7.94	2.82	2.58	---	---	---	---	2.22	5.43
18	2.03	3.63	2.70	9.41	2.74	2.53	---	---	---	---	2.19	2.93
19	2.02	2.98	2.59	5.06	2.68	2.51	---	---	---	---	2.18	2.56
20	2.01	2.73	2.56	3.93	2.64	2.50	---	2.75	---	---	2.28	2.36
21	2.19	2.60	2.51	3.45	2.61	2.49	---	2.57	---	---	2.20	2.26
22	2.24	2.49	2.65	3.21	2.57	2.46	---	2.46	---	---	2.33	2.20
23	2.07	2.43	4.60	3.02	2.65	2.43	---	2.39	---	---	2.48	2.18
24	2.04	2.39	4.17	2.85	4.16	2.42	---	2.35	---	---	2.45	2.18
25	2.03	2.36	3.20	2.73	3.41	2.56	---	2.30	---	---	2.18	2.17
26	2.04	2.33	2.80	2.61	3.01	2.53	---	2.31	---	---	2.11	2.14
27	2.04	2.32	2.65	13.25	2.75	2.53	---	2.28	---	---	2.10	2.14
28	2.03	2.30	2.58	19.78	2.64	2.55	---	2.40	---	---	2.09	2.15
29	3.43	2.30	3.93	12.71	---	2.48	2.53	3.42	---	---	2.08	2.15
30	6.19	2.29	3.27	6.35	---	2.41	2.62	7.39	---	---	2.09	2.13
31	3.72	---	3.04	4.47	---	2.37	---	6.57	---	---	2.09	---
MAX	6.19	18.18	10.10	19.78	14.98	10.39	---	---	---	---	---	5.43
MIN	2.01	2.29	2.26	2.32	2.57	2.37	---	---	---	---	---	2.13

MISSISSIPPI RIVER DELTA
07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.—Lat 30°30'45", long 91°04'25", on line between sections 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 23.85 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.

REMARKS.—Estimated daily discharges. Records fair. Several measurements of water temperature were made during the year. Indefinite stage/discharge relationship Jan. 28, 29, July 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	160	108	129	858	1000	119	320	952	182	272	107
2	66	120	105	121	583	2140	117	318	439	180	240	116
3	65	108	104	116	484	937	116	373	313	178	235	173
4	65	106	172	113	426	397	116	1340	241	180	286	111
5	64	115	211	104	403	276	116	507	593	180	502	97
6	63	119	206	97	157	224	1530	245	853	179	247	92
7	63	114	133	93	e1300	196	3980	189	389	180	191	90
8	63	104	113	99	673	178	1630	222	260	247	200	90
9	63	112	105	131	518	870	479	245	220	1130	174	91
10	63	115	160	117	2090	1290	254	1220	1440	1370	197	561
11	63	110	180	102	7770	585	198	514	2260	2010	155	333
12	63	105	169	98	6230	285	389	259	2920	2140	142	163
13	64	98	593	98	1940	212	1250	191	995	1360	136	108
14	68	95	2200	96	740	180	1070	168	329	612	133	91
15	71	2300	636	92	446	162	388	156	241	946	131	100
16	72	8240	246	90	357	151	3580	209	218	913	124	262
17	67	5180	170	848	310	141	3140	2140	225	388	120	1190
18	66	1040	138	1660	276	132	1370	1610	415	250	117	366
19	65	368	123	671	254	126	359	341	242	210	115	152
20	64	241	115	244	238	123	345	225	203	250	140	108
21	66	193	107	174	225	121	1490	191	184	219	232	91
22	73	168	118	145	219	118	640	178	192	305	126	83
23	70	153	177	128	266	116	550	172	232	303	148	78
24	67	142	196	117	770	116	265	168	235	1070	271	75
25	66	133	155	110	535	125	198	166	565	303	162	72
26	65	126	123	104	304	153	169	165	324	220	121	70
27	64	122	108	5000	238	157	158	164	232	5270	110	69
28	63	117	101	e13500	206	132	147	251	204	e9000	105	69
29	486	115	125	e14600	---	127	139	1000	192	4250	105	68
30	1120	112	196	7410	---	130	141	758	185	601	100	68
31	283	---	166	2630	---	121	---	755	---	338	80	---
TOTAL	3729	20331	7559	49037	28816	11021	24443	14760	16293	34964	5417	5144
MEAN	120	678	244	1582	1029	356	815	476	543	1128	175	171
MAX	1120	8240	2200	14600	7770	2140	3980	2140	2920	9000	502	1190
MIN	63	95	101	90	157	116	116	156	184	178	80	68
CFSM	.42	2.39	.86	5.57	3.62	1.25	2.87	1.68	1.91	3.97	.62	.60
IN.	.49	2.66	.99	6.42	3.77	1.44	3.20	1.93	2.13	4.58	.71	.67

e Estimated

MISSISSIPPI RIVER DELTA
07378000 COMITE RIVER NEAR COMITE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1994, BY WATER YEAR (WY)

MEAN	223	275	562	877	971	809	825	489	264	243	245	216	
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	80.0	53.8	52.0	
(WY)	1964	1957	1967	1957	1968	1955	1963	1963	1964	1948	1954	1952	
SUMMARY STATISTICS													
			FOR 1993 CALENDAR YEAR			FOR 1994 WATER YEAR			WATER YEARS 1945 - 1994				
ANNUAL TOTAL			246556			221514							
ANNUAL MEAN			675			607			497				
HIGHEST ANNUAL MEAN									1096				
LOWEST ANNUAL MEAN									125				
HIGHEST DAILY MEAN			29400			Jan 21			14600			Jan 29	
LOWEST DAILY MEAN			63			Oct 6			63			Oct 6	
ANNUAL SEVEN-DAY MINIMUM			63			Oct 6			63			Oct 6	
INSTANTANEOUS PEAK FLOW									* 14600			Jan 29	
INSTANTANEOUS PEAK STAGE									23.91			Jan 29	
INSTANTANEOUS LOW FLOW									62			Oct. 8-9	
INSTANTANEOUS LOW STAGE									.49			Sept 6-9	
ANNUAL RUNOFF (CFSM)			2.38						2.14			1.75	
ANNUAL RUNOFF (INCHES)			32.30						29.02			23.80	
10 PERCENT EXCEEDS			896						1290			1010	
50 PERCENT EXCEEDS			130						180			126	
90 PERCENT EXCEEDS			69						79			59	

* Maximum daily discharge

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.96	1.52	.89	1.02	4.55	4.03	.62	2.00	4.47	.92	1.96	.65
2	.94	1.19	.86	.95	3.46	7.80	.59	2.01	2.46	.91	1.73	.73
3	.93	1.08	.85	.90	3.02	4.70	.58	2.16	1.80	.89	1.69	1.21
4	.93	1.06	1.38	.88	2.76	2.54	.58	6.00	1.35	.91	2.05	.68
5	.92	1.14	1.72	.79	2.58	1.85	.58	2.94	3.03	.91	3.25	.56
6	.91	1.18	1.68	.73	1.04	1.51	5.53	1.57	4.09	.90	1.78	.51
7	.91	1.14	1.11	.69	---	1.30	10.85	1.17	2.22	.91	1.37	.50
8	.91	1.04	.93	.75	3.85	1.16	6.69	1.41	1.48	1.33	1.42	.50
9	.91	1.12	.86	1.03	3.17	3.89	2.84	1.52	1.21	4.83	1.23	.51
10	.91	1.14	1.31	.91	6.66	5.87	1.65	5.59	5.66	5.33	1.41	3.53
11	.91	1.09	1.50	.77	15.16	3.38	1.26	3.00	7.58	7.07	1.07	2.46
12	.91	1.05	1.42	.74	13.52	1.89	2.26	1.65	8.96	7.38	.96	1.30
13	.92	.99	2.89	.74	7.26	1.41	5.70	1.19	4.39	5.55	.91	.83
14	.96	.96	7.84	.72	4.09	1.17	5.19	1.00	1.89	3.25	.89	.67
15	.99	8.11	3.81	.69	2.83	1.02	2.40	.90	1.35	4.11	.87	.76
16	1.00	15.75	1.92	.67	2.37	.91	9.76	1.25	1.19	4.26	.81	1.97
17	.95	12.22	1.36	3.84	2.09	.83	9.52	6.92	1.23	2.21	.77	5.58
18	.94	5.12	1.10	6.81	1.88	.76	5.81	5.91	2.34	1.41	.74	2.67
19	.93	2.67	.97	3.95	1.74	.71	2.25	1.95	1.36	1.14	.72	1.29
20	.92	1.94	.89	1.90	1.63	.68	2.03	1.24	1.09	1.40	.92	.91
21	.94	1.61	.82	1.40	1.55	.65	6.36	.99	.94	1.20	1.64	.77
22	1.01	1.41	.91	1.16	1.49	.62	3.57	.90	1.00	1.75	.82	.69
23	.98	1.28	1.43	1.01	1.79	.60	3.16	.84	1.28	1.65	.98	.64
24	.95	1.19	1.57	.91	4.14	.60	1.69	.81	1.31	4.64	1.92	.61
25	.94	1.12	1.24	.84	3.20	.69	1.24	.80	3.04	1.73	1.13	.58
26	.93	1.06	.97	.79	2.04	.91	1.01	.78	1.86	1.21	.78	.56
27	.92	1.02	.83	10.37	1.62	.95	.92	.78	1.29	9.89	.68	.55
28	.92	.97	.77	21.22	1.39	.74	.83	1.30	1.09	17.73	.63	.55
29	2.67	.95	.98	21.91	---	.70	.76	4.63	1.00	10.81	.63	.54
30	5.08	.92	1.55	14.72	---	.72	.78	3.73	.95	3.67	.58	.54
31	2.31	---	1.33	8.57	---	.64	---	3.66	---	2.39	.58	---
MEAN	1.17	2.43	1.54	3.63	---	1.78	3.23	2.28	2.43	3.62	1.19	1.13
MAX	5.08	15.75	7.84	21.91	---	7.80	10.85	6.92	8.96	17.73	3.25	5.58
MIN	.91	.92	.77	.67	---	.60	.58	.78	.94	.89	.58	.50

MISSISSIPPI RIVER DELTA

07378083 BEAVER BAYOU AT HOOPER ROAD, NEAR BATON ROUGE, LA

LOCATION.—Lat 30°33'39", long 91°01'15", in sec. 4, T. 6 S., R. 2 E., St. Helena Meridian, East Baton Rouge Parish, Hydrologic Unit 08070207, near center of box culvert on downstream side of State Highway 408, 1,200 ft east of Roundsville Road, and 8.6 mi northeast of Baton Rouge Post Office.

DRAINAGE AREA.—Not determined.

PERIOD OF RECORD.—March 1982 to current year (gage heights only).

GAGE.—Water-stage recorder. Datum of gage is 50.00 ft above sea level (levels by East Baton Rouge Parish, Department of Public Works).

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 12.45 ft, Jan. 20, 1993; minimum, 2.52 ft, Aug. 30, Sept. 9-12, 23, 24, 29, 1994.

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 11.98 ft, July 27; minimum recorded, 2.52 ft, Aug. 30, Sept. 9-12, 23, 24, 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	2.75	2.79	3.04	---	---	---	---	2.61	2.89	2.60
2	---	---	2.76	2.88	2.93	---	---	---	---	2.60	2.87	2.62
3	---	---	2.77	2.83	2.85	---	---	---	---	2.59	3.68	2.54
4	---	---	2.92	2.78	2.84	---	---	---	---	2.59	4.22	2.53
5	---	---	2.99	2.75	3.42	---	---	---	---	2.60	3.89	2.53
6	---	---	2.79	2.73	3.53	---	---	---	---	2.61	3.17	2.54
7	---	---	2.73	2.72	3.17	---	---	---	---	2.62	2.93	2.53
8	---	---	2.69	2.76	3.11	2.77	---	---	2.72	2.63	2.97	2.53
9	---	---	2.70	2.74	2.99	3.68	---	---	3.50	2.70	3.22	2.59
10	---	---	2.98	2.75	4.89	3.13	---	---	5.99	3.49	2.99	4.18
11	---	---	3.34	2.76	3.04	2.84	---	---	8.67	4.80	2.89	3.15
12	---	---	2.99	2.75	2.91	2.70	---	---	9.70	4.18	2.86	2.80
13	---	---	3.44	2.78	2.84	2.67	---	---	4.50	4.77	2.86	2.67
14	---	---	4.66	2.77	2.80	2.66	4.16	---	3.51	4.22	2.83	2.62
15	---	---	3.34	2.74	2.81	2.73	2.95	---	3.11	4.06	2.72	2.83
16	---	---	3.03	2.72	2.81	2.65	---	---	2.95	3.87	2.58	4.19
17	---	---	2.88	5.08	2.80	2.63	---	---	3.33	3.04	2.62	3.90
18	---	---	2.81	4.00	2.79	2.64	---	---	4.12	2.81	2.59	2.97
19	---	2.89	2.79	3.22	3.00	2.64	---	---	3.22	2.71	2.60	2.73
20	---	2.82	2.82	2.96	3.48	2.99	---	---	2.94	2.66	2.57	2.63
21	2.72	2.77	2.78	2.84	2.96	2.93	---	---	2.85	3.29	2.57	2.58
22	2.83	2.75	2.88	2.82	2.78	2.79	---	---	2.85	3.21	2.55	2.55
23	2.73	2.72	3.60	2.72	---	---	---	---	4.23	2.84	2.54	2.53
24	---	2.72	3.16	2.67	---	---	---	---	3.51	2.72	2.67	2.53
25	---	2.72	2.96	2.66	---	---	---	---	3.15	2.66	2.79	2.53
26	---	2.73	2.83	2.66	---	---	---	---	2.82	2.66	2.73	2.60
27	---	2.76	2.77	8.88	---	---	---	---	2.70	8.74	2.59	2.67
28	---	2.75	2.74	7.63	---	---	---	---	2.66	8.35	2.55	2.55
29	---	2.75	2.89	4.16	---	---	2.70	---	2.63	3.73	2.54	2.53
30	---	2.75	2.88	3.81	---	---	3.01	---	2.62	3.21	2.53	2.53
31	---	---	2.81	3.27	---	---	---	---	---	2.99	2.54	---
MAX	---	---	4.66	8.88	---	---	---	---	---	8.74	4.22	4.19
MIN	---	---	2.69	2.66	---	---	---	---	---	2.59	2.53	2.53

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 and data-collection platform. 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.—No estimated daily discharges. Records good. Since 1957, considerable flow from 46 mi² diverted from basin. Several measurements of water temperature were made during the year.

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)
Nov. 17	1100	18,600	27.58	Feb. 12	1730	22,600	28.53
Jan. 30	0330	*66,500	*36.10	July 28	1930	20,200	27.98

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	408	1140	674	965	10900	2140	808	1200	4390	719	1420	569
2	402	790	657	906	4310	5770	767	1590	4780	688	1290	699
3	403	628	644	852	2440	5290	741	1410	3300	672	1410	778
4	397	568	893	838	1960	3550	725	3470	2030	650	1410	717
5	393	636	1090	807	1960	2300	708	3390	1940	649	1560	587
6	393	672	1100	786	5730	1760	2450	1950	3320	625	1190	542
7	389	734	867	758	8000	1490	7560	1340	2570	769	969	520
8	389	637	736	753	5100	1330	9310	1240	2500	1010	926	506
9	392	617	674	927	3100	2580	6690	1230	1540	2460	985	503
10	404	651	792	1040	3790	4950	2930	3330	3220	3670	914	1160
11	393	623	950	915	12900	4570	2230	3910	5610	4400	806	1170
12	390	600	969	828	21000	2970	1830	2710	10300	6470	745	935
13	395	555	1360	774	19600	1990	3690	1590	8180	8820	723	660
14	424	530	4370	730	12900	1580	6420	1210	2820	8820	700	601
15	495	3680	4570	695	6080	1360	4590	1040	1570	7610	687	578
16	563	11800	3000	661	2820	1220	6130	1070	1660	6010	671	1040
17	481	17700	1800	1850	2150	1110	10700	3500	1380	3700	647	2500
18	438	13400	1300	4300	1850	1040	10500	5860	1490	2050	625	2730
19	420	7280	1090	4600	1650	989	4980	2640	1120	1560	637	1990
20	410	3210	974	2810	1500	955	2250	1470	978	1610	643	1160
21	422	1780	888	1700	1390	925	3720	1030	882	1580	808	797
22	470	1340	870	1290	1300	894	3480	887	894	1620	674	693
23	459	1120	1080	1080	1380	862	2920	813	1040	1590	651	641
24	430	991	1190	957	2250	839	2070	765	1700	2210	1040	605
25	425	911	1180	873	3360	928	1560	734	2200	1450	870	581
26	418	845	1010	813	2610	920	1290	709	1710	1070	659	561
27	410	812	910	4660	1830	1070	1140	687	1180	5060	596	546
28	405	760	832	20600	1470	958	1050	827	937	17500	569	541
29	1240	730	909	51200	---	887	969	2880	826	16400	559	535
30	3800	700	1070	59600	---	903	934	2380	763	7140	558	526
31	1720	---	1190	30100	---	857	---	2500	---	2300	563	---
TOTAL	18578	76440	39639	199668	145330	58987	105142	59362	76830	120882	26505	25971
MEAN	599	2548	1279	6441	5190	1903	3505	1915	2561	3899	855	866
MAX	3800	17700	4570	59600	21000	5770	10700	5860	10300	17500	1560	2730
MIN	389	530	644	661	1300	839	708	687	763	625	558	503
CFSM	.47	1.99	1.00	5.03	4.05	1.49	2.74	1.50	2.00	3.05	.67	.68
IN.	.54	2.22	1.15	5.80	4.22	1.71	3.06	1.73	2.23	3.51	.77	.75

MISSISSIPPI RIVER DELTA
07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1994, BY WATER YEAR (WY)

MEAN	888	1204	2371	3339	3956	3588	3411	2207	1293	1216	1108	1028
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1938 - 1994	
ANNUAL TOTAL	985022		953334			
ANNUAL MEAN	2699		2612		2126	
HIGHEST ANNUAL MEAN					4433	
LOWEST ANNUAL MEAN					669	
HIGHEST DAILY MEAN	74700	Jan 22	59600	Jan 30	105000	Apr 8 1983
LOWEST DAILY MEAN	389	Oct 7	389	Oct 7	271	Oct 17 1956
ANNUAL SEVEN-DAY MINIMUM	393	Oct 6	393	Oct 6	275	Oct 29 1963
INSTANTANEOUS PEAK FLOW			66500	Jan 30	112000	Apr 8 1983
INSTANTANEOUS PEAK STAGE			36.10	Jan 30	41.50	Apr 8 1983
INSTANTANEOUS LOW FLOW			386	Oct 7-9	271	Oct 17 1956
INSTANTANEOUS LOW STAGE			10.39	Oct 7-9		
ANNUAL RUNOFF (CFSM)	2.11		2.04		1.66	
ANNUAL RUNOFF (INCHES)	28.63		27.71		22.56	
10 PERCENT EXCEEDS	5720		5420		4640	
50 PERCENT EXCEEDS	976		1080		863	
90 PERCENT EXCEEDS	463		551		430	

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.47	12.38	11.64	12.50	24.61	15.03	12.04	13.11	19.38	11.78	13.62	11.31
2	10.45	11.53	11.58	12.33	19.11	21.21	11.92	14.01	19.94	11.68	13.33	11.71
3	10.45	11.11	11.54	12.17	15.84	20.59	11.84	13.61	17.50	11.63	13.60	11.95
4	10.43	10.95	12.28	12.13	14.82	17.97	11.79	17.75	14.96	11.56	13.61	11.77
5	10.42	11.14	12.84	12.04	14.82	15.54	11.74	17.67	14.77	11.56	13.94	11.36
6	10.42	11.23	12.87	11.98	20.88	14.38	15.57	14.80	17.57	11.48	13.08	11.22
7	10.40	11.39	12.22	11.89	23.02	13.79	22.59	13.43	16.08	11.93	12.51	11.15
8	10.40	11.14	11.82	11.88	20.24	13.41	23.89	13.22	15.94	12.57	12.39	11.10
9	10.41	11.08	11.64	12.38	17.15	15.93	21.86	13.16	13.89	15.80	12.55	11.09
10	10.46	11.18	11.99	12.71	18.04	20.17	16.78	17.57	17.24	18.17	12.35	12.95
11	10.42	11.10	12.46	12.36	25.61	19.63	15.38	18.66	20.74	19.41	12.03	13.03
12	10.40	11.04	12.51	12.10	28.17	16.87	14.53	16.35	24.46	21.77	11.85	12.39
13	10.42	10.92	13.44	11.94	27.83	14.87	18.06	14.01	22.96	23.57	11.79	11.59
14	10.54	10.85	19.28	11.81	25.68	13.99	21.83	13.14	16.52	23.57	11.72	11.41
15	10.75	16.92	19.63	11.70	21.16	13.48	19.58	12.71	13.97	22.73	11.68	11.33
16	10.94	25.14	16.93	11.59	16.59	13.16	21.23	12.75	14.17	21.42	11.63	12.66
17	10.72	27.36	14.46	14.29	15.22	12.91	24.69	17.38	13.53	18.16	11.55	15.91
18	10.59	25.88	13.34	19.23	14.59	12.72	24.59	21.07	13.78	15.02	11.48	16.41
19	10.52	22.32	12.84	19.67	14.14	12.57	19.88	16.21	12.93	13.95	11.52	14.88
20	10.48	17.30	12.53	16.56	13.81	12.47	15.44	13.74	12.54	14.06	11.54	12.97
21	10.53	14.43	12.28	14.24	13.56	12.39	18.29	12.69	12.26	13.99	12.04	11.91
22	10.68	13.44	12.22	13.32	13.35	12.30	17.86	12.28	12.30	14.08	11.64	11.57
23	10.65	12.91	12.82	12.83	13.54	12.20	16.79	12.06	12.69	14.00	11.56	11.39
24	10.56	12.58	13.10	12.48	15.41	12.13	15.05	11.91	14.25	15.34	12.67	11.26
25	10.54	12.34	13.07	12.23	17.63	12.39	13.94	11.82	15.34	13.68	12.22	11.18
26	10.51	12.15	12.64	12.06	16.17	12.37	13.32	11.74	14.26	12.79	11.59	11.11
27	10.48	12.05	12.34	18.40	14.53	12.79	12.98	11.68	13.06	18.32	11.39	11.06
28	10.46	11.90	12.11	27.88	13.75	12.48	12.75	12.07	12.42	27.22	11.31	11.04
29	12.39	11.81	12.34	33.67	---	12.28	12.51	16.69	12.09	26.88	11.28	11.02
30	17.55	11.72	12.77	35.05	---	12.32	12.41	15.69	11.91	22.02	11.27	10.99
31	13.65	---	13.09	29.91	---	12.19	---	15.89	---	15.50	11.29	---
MAX	17.55	27.36	19.63	35.05	28.17	21.21	24.69	21.07	24.46	27.22	13.94	16.41
MIN	10.40	10.85	11.54	11.59	13.35	12.13	11.74	11.68	11.91	11.48	11.27	10.99

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.

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, 14.42 ft, Jan. 31; minimum, 1.01 ft, Jan. 8, 9.

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.14	1.71	1.30	1.49	11.06	2.78	1.21	2.55	2.95	1.20	1.97	1.84
2	2.19	1.56	1.92	1.52	7.78	3.81	1.18	2.42	2.96	1.61	1.86	1.73
3	1.89	1.67	2.27	1.28	4.55	3.55	1.21	2.60	2.64	2.08	2.27	1.59
4	1.77	1.66	2.24	1.04	2.99	2.82	1.16	2.29	2.06	2.00	2.43	1.79
5	1.81	1.71	1.84	1.03	2.60	2.01	1.31	2.37	2.11	1.66	2.23	2.19
6	1.94	1.58	1.38	1.04	3.03	1.65	1.89	2.01	2.83	1.48	2.07	2.17
7	2.05	1.28	1.32	1.06	3.76	1.53	2.68	1.73	2.64	1.35	2.01	1.89
8	2.52	1.44	1.61	1.02	3.88	1.70	3.44	1.56	2.40	2.10	1.99	1.79
9	2.40	1.92	1.51	1.08	2.93	3.54	3.79	1.50	2.01	2.54	2.25	2.00
10	2.07	1.95	1.69	1.43	3.21	3.89	3.01	2.92	2.29	2.99	2.21	2.29
11	1.96	1.80	1.63	1.91	4.86	3.48	2.69	2.79	2.92	3.46	2.07	2.43
12	1.93	2.01	1.62	1.91	5.75	2.82	2.71	2.48	4.20	3.76	2.25	2.46
13	2.20	2.27	2.16	1.66	7.56	2.28	2.74	1.84	4.92	4.10	2.49	2.62
14	2.38	2.38	2.57	1.29	7.48	1.90	3.25	1.82	3.63	4.04	2.41	2.86
15	2.55	2.79	2.55	1.05	5.91	1.72	3.47	1.85	2.34	3.99	2.35	3.18
16	2.59	3.69	2.15	1.25	3.50	1.54	4.80	1.87	2.03	3.67	2.17	3.96
17	2.60	4.47	1.69	2.23	2.30	1.62	4.54	2.62	1.83	3.01	1.94	3.77
18	2.50	5.45	1.48	2.53	2.15	1.80	4.83	3.86	1.64	2.21	1.83	3.32
19	2.38	5.12	1.43	2.50	2.30	1.61	4.49	2.95	2.16	1.90	1.69	2.76
20	2.35	3.36	1.74	2.17	2.37	1.56	2.98	2.36	2.51	1.64	1.69	2.29
21	2.33	1.88	1.43	1.76	2.30	1.68	2.81	2.07	2.27	1.60	1.56	2.61
22	2.25	1.73	1.34	1.48	2.22	1.77	2.79	1.80	1.81	1.53	1.32	2.79
23	2.15	1.55	1.46	1.33	2.84	1.81	2.46	1.69	1.77	1.57	1.49	2.47
24	2.30	1.48	1.44	1.25	2.53	1.80	2.68	1.50	2.26	1.51	1.84	2.23
25	2.34	1.30	1.22	1.30	2.56	1.60	2.82	1.35	2.10	1.56	1.94	1.96
26	2.28	1.21	1.07	1.39	2.39	1.69	2.75	1.35	1.84	1.38	2.32	1.69
27	1.94	1.17	1.06	3.83	2.08	1.96	2.72	1.37	1.43	2.84	2.39	1.61
28	1.59	1.14	1.10	5.74	2.00	1.95	2.67	1.59	1.28	4.32	2.48	1.50
29	2.96	1.10	1.19	8.36	---	1.69	2.67	2.22	1.20	5.62	2.43	1.58
30	4.21	1.13	1.09	13.08	---	1.43	2.72	2.47	1.17	5.64	2.20	1.87
31	2.45	---	1.28	13.81	---	1.33	---	2.76	---	3.36	1.94	---
MAX	4.21	5.45	2.57	13.81	11.06	3.89	4.83	3.86	4.92	5.64	2.49	3.96
MIN	1.59	1.10	1.06	1.02	2.00	1.33	1.16	1.35	1.17	1.20	1.32	1.50

MISSISSIPPI RIVER DELTA
07380120 AMITE RIVER AT PORT VINCENT, LA
(National stream-quality accounting network station)

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.

WATER-DISCHARGE RECORDS

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 electromagnetic flowmeter. 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 elevation or velocity record: Oct. 13, Jan. 13, 18-19, 30-31, Mar. 28-30. Reverse flow at times during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum elevation, 14.65 ft, Apr. 9, 1983; minimum elevation, -1.04 ft, Jan. 19, 1977.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 69,500 ft³/s, Jan. 28, 1990; no flow at times each year.

EXTREMES FOR CURRENT YEAR.—Maximum positive daily discharge, 27,900 ft³/s, Feb. 1; Maximum discharge observed, 44,800 ft³/s, Jan. 31, may have been higher during the period of missing record on Jan. 30-31; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	2750	593	2460	27900	3610	2190	2790	4940	2040	1220	691
2	219	2250	441	2430	15000	6230	2180	2960	5120	2140	990	801
3	635	1980	691	2430	7250	6250	2230	3240	4710	2380	1020	771
4	405	1900	1410	2260	4570	5100	2120	3700	3250	2390	1290	771
5	1030	2220	1640	1990	4030	3680	2140	4380	3160	2190	1160	696
6	838	2320	1190	2110	5280	3030	2940	3380	4560	2260	784	696
7	587	2020	766	2290	7130	2830	5180	2770	4150	2170	565	702
8	1130	1970	1020	2350	7480	2930	6960	2640	4040	2860	612	783
9	1710	1990	750	2320	5160	4970	7290	2500	3220	3690	557	736
10	467	2160	1140	2400	4990	6740	5530	5180	3930	4880	523	944
11	372	2020	1350	2730	8500	6310	3560	4890	5580	5940	407	1190
12	57	1900	724	2760	11000	5080	3290	4350	7710	6460	524	1010
13	---	2200	1710	---	15800	3850	3990	2950	9310	7640	707	477
14	---	2280	4430	2450	15400	3290	5840	2650	6890	7600	880	682
15	1320	3770	5170	2190	11500	3030	6280	2430	3640	7040	815	746
16	1850	6510	4380	2170	6210	2800	8020	2470	3130	6630	875	1840
17	2050	8000	3250	2430	3790	2580	8080	3790	2820	5470	812	2500
18	2150	10500	2760	---	3370	2570	9000	6750	2770	3710	952	2470
19	2080	8680	2540	---	3150	2460	8690	4970	2680	3060	806	1950
20	2050	6270	2570	4390	3190	2420	4980	3180	2620	2760	847	1160
21	2150	3080	2480	3380	3100	2530	4340	2550	2700	2590	934	505
22	2130	1960	2390	2910	2960	2350	4510	2460	2490	2660	660	735
23	2120	1320	2620	2730	3770	2270	3840	2420	2720	2710	659	831
24	2110	1290	2530	2540	3990	2260	3250	2360	3700	2730	859	717
25	1900	1030	2590	2480	4280	2410	3190	2230	3780	2660	1030	768
26	1890	1190	2330	2410	4030	2110	2940	2260	3150	2340	614	704
27	1820	878	2260	5910	3290	2340	2740	2140	2610	4380	732	509
28	1910	733	2240	2230	2870	---	2610	2200	2510	7080	816	365
29	3540	712	2460	17000	---	---	2600	3450	2380	8920	717	535
30	6960	633	2340	---	---	---	2730	4000	2110	9190	941	519
31	4130	---	2530	---	---	2220	---	3970	---	4820	822	---
TOTAL	---	86516	65295	---	198990	---	133240	102010	116380	133390	25130	27804
MEAN	---	2884	2106	---	7107	---	4441	3291	3879	4303	811	927

MISSISSIPPI RIVER DELTA
07380120 AMITE RIVER AT PORT VINCENT, LA--Continued
(National stream-quality accounting network station)

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.03	1.17	1.27	1.28	8.34	2.19	.82	2.31	2.35	1.12	1.58	1.63
2	2.08	1.31	1.83	1.33	5.78	2.73	.81	2.12	2.32	1.49	1.55	1.46
3	1.78	1.55	2.14	.92	3.18	2.45	.87	2.24	2.04	1.89	2.01	1.37
4	1.67	1.53	2.03	.07	1.83	1.86	.80	1.86	1.67	1.82	2.13	1.72
5	1.72	1.56	1.49	-.09	1.57	1.17	1.14	1.82	1.67	1.45	1.97	2.03
6	1.84	1.23	1.01	.41	1.92	.90	1.58	1.59	2.12	1.25	1.84	1.98
7	1.94	1.09	1.20	.56	2.40	1.02	1.94	1.34	2.01	1.14	1.80	1.65
8	2.40	1.40	1.40	.41	2.51	1.31	2.32	1.11	1.85	1.69	1.81	1.66
9	2.30	1.81	1.34	.79	2.03	2.21	2.62	1.13	1.59	2.02	2.05	1.87
10	1.96	1.77	1.47	1.33	2.09	2.64	2.44	2.00	1.70	2.37	2.02	2.11
11	1.86	1.64	1.39	1.79	3.05	2.39	2.37	2.08	2.10	2.61	1.88	2.21
12	1.83	1.92	1.49	1.67	3.59	1.93	2.43	1.90	2.57	2.66	2.06	2.24
13	2.08	2.15	1.91	---	4.58	1.64	2.30	1.45	3.05	2.81	2.31	2.44
14	2.27	2.25	2.01	.88	4.69	1.24	2.41	1.54	2.50	2.69	2.23	2.68
15	2.44	2.37	1.86	.60	3.82	1.06	2.48	1.62	1.80	2.67	2.18	3.00
16	2.48	2.86	1.61	1.06	2.35	.90	3.09	1.63	1.56	2.49	1.99	3.60
17	2.49	3.13	1.32	1.89	1.56	1.23	3.18	1.96	1.22	2.09	1.76	3.45
18	2.39	3.46	1.21	---	1.57	1.34	3.29	2.61	1.33	1.58	1.64	3.01
19	2.27	3.30	1.24	---	1.83	1.21	3.04	2.15	1.98	1.40	1.43	2.46
20	2.24	2.34	1.59	1.65	1.92	1.26	2.26	1.92	2.29	1.34	1.37	2.07
21	2.22	1.51	1.08	1.34	1.87	1.38	2.08	1.79	2.02	1.29	1.20	2.43
22	2.14	1.47	1.12	1.12	1.81	1.49	2.03	1.51	1.56	1.25	1.01	2.60
23	2.04	1.26	1.21	.98	2.07	1.54	1.81	1.38	1.45	1.21	1.42	2.29
24	2.19	1.23	1.22	.98	1.85	1.55	2.24	1.09	1.51	1.27	1.59	2.05
25	2.22	1.02	.74	1.07	1.90	1.22	2.46	1.03	1.45	1.22	1.65	1.73
26	2.17	.97	.37	1.21	1.76	1.53	2.43	1.10	1.30	.90	2.15	1.45
27	1.80	.94	.48	2.25	1.55	1.73	2.44	1.11	.90	1.64	2.21	1.38
28	1.44	.94	.66	3.60	1.55	---	2.43	1.47	.70	2.79	2.30	1.30
29	2.07	.85	.71	4.95	---	---	2.44	1.82	.51	3.55	2.25	1.47
30	2.73	.95	.74	---	---	---	2.48	2.00	.72	3.63	1.99	1.74
31	1.70	---	1.07	---	---	.91	---	2.18	---	2.46	1.75	---
MAX	2.73	3.46	2.14	---	8.34	---	3.29	2.61	3.05	3.63	2.31	3.60
MIN	1.44	.85	.37	---	1.55	---	.80	1.03	.51	.90	1.01	1.30

MISSISSIPPI RIVER DELTA

07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1965, 1967-69, 1976, 1986 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
DEC 1993 02...	1245	2160	88	6.82	19.5	30	9.8	9.6	1.6	140	K16	17
JAN 1994 10...	1100	--	79	7.00	10.5	20	23	9.9	0.9	50	74	15
MAY 09...	1115	2500	77	6.94	27.0	40	22	6.3	1.0	90	96	19
AUG 23...	0945	2240	97	7.15	29.5	15	9.9	6.5	2.3	330	810	21
DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
DEC 1993 02...	4.1	1.6	8.4	1.7	22	21	3.5	9.8	0.1	13	64	58
JAN 1994 10...	3.7	1.4	8.4	1.4	20	18	3.3	9.1	<0.1	12	56	52
MAY 09...	4.9	1.7	5.4	1.9	21	19	3.3	7.0	<0.1	10	55	48
AUG 23...	5.4	1.7	9.0	1.9	26	23	3.0	11	0.1	10	64	58
DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	
DEC 1993 02...	<0.01	0.31	0.09	0.20	0.06	0.04	0.03	140	48	<3	750	
JAN 1994 10...	0.02	0.27	0.07	0.30	0.06	0.03	0.03	130	33	<3	360	
MAY 09...	0.02	0.24	0.10	0.60	0.15	0.08	0.05	700	40	3	450	
AUG 23...	0.01	0.16	0.07	0.54	0.11	0.06	0.09	210	35	4	390	
DATE	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
DEC 1993 02...	<4	590	<10	<1	<1	<1	35	<6	--	--	--	
JAN 1994 10...	<4	180	<10	2	<1	<1	30	<6	18	--	93	
MAY 09...	<4	230	<10	1	<1	<1	34	<6	--	--	--	
AUG 23...	<4	83	<10	2	<1	<1	40	<6	27	163	89	

< 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

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.

DRAINAGE AREA.— Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.— July 1992 to current year.

GAGE.— Data logger collecting elevation, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.— Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.— Maximum elevation, 3.47 ft Oct. 3, 1992; minimum elevation, -4.91 ft Aug. 26, 1992.

EXTREMES FOR CURRENT PERIOD.— Maximum elevation, 3.08 ft, Sept. 16; minimum elevation, -1.23 ft, Jan. 4.

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.32	.71	1.05	1.00	-.39	.25	1.00	.22	.60	.64	-.19	.30
2	1.36	.52	.92	.82	-.22	.40	1.36	.73	1.07	.83	-.01	.46
3	1.19	.45	.82	.96	.09	.55	1.58	.70	1.17	.81	-1.08	.07
4	1.05	.54	.82	1.01	.23	.66	1.59	.41	1.10	-.48	-1.23	-1.01
5	1.17	.60	.91	1.20	.13	.71	.48	.07	.26	-.19	-.93	-.64
6	1.39	.54	.97	1.15	-.09	.46	.56	-.12	.21	.27	-.84	-.24
7	1.56	1.00	1.22	.80	.06	.42	.80	.25	.51	.67	-.61	.05
8	1.85	1.13	1.54	.78	.47	.63	.88	-.01	.44	.63	-.76	.00
9	1.73	.85	1.36	1.16	.55	.83	1.01	-.03	.52	.72	-.44	.21
10	1.46	.68	1.15	1.04	.62	.83	1.03	.11	.61	.79	.14	.48
11	1.58	.56	1.12	1.14	.34	.77	1.02	-.13	.40	1.13	.46	.84
12	1.18	.81	1.04	1.44	.56	1.02	1.01	-.02	.52	1.17	-.01	.55
13	1.46	.90	1.16	1.65	.77	1.28	1.58	.16	.83	.95	.08	.47
14	1.79	1.31	1.53	1.83	.71	1.31	1.94	.02	.81	.67	-.68	-.11
15	1.94	1.33	1.68	1.71	.55	1.20	.85	-.37	.22	.09	-.57	-.24
16	2.02	1.26	1.67	1.64	.66	1.16	.80	-.33	.22	1.05	-.06	.43
17	2.07	.76	1.57	1.72	.39	1.06	.77	-.12	.31	1.41	.33	.94
18	1.83	.70	1.32	1.23	.41	.87	.73	-.14	.31	.88	.17	.46
19	1.72	.68	1.24	1.11	.21	.69	.68	.19	.41	.90	.07	.43
20	1.64	.83	1.27	.88	.13	.45	.96	.44	.71	.62	-.04	.30
21	1.54	.69	1.22	.89	.33	.59	.49	-.17	.20	.50	-.30	.15
22	1.66	.94	1.29	.89	.32	.59	1.01	-.04	.41	.47	-.36	.11
23	1.48	.82	1.18	.62	.25	.47	1.01	-.14	.40	.54	-.60	-.03
24	1.62	.95	1.36	.63	-.11	.25	.92	.11	.52	.64	-.45	.10
25	1.52	.99	1.37	.67	-.24	.24	.73	-1.00	-.37	.69	-.45	.16
26	1.47	1.16	1.29	.78	-.09	.37	.02	-.96	-.41	.78	-.53	.22
27	1.16	.69	.92	.89	-.11	.36	.16	-1.11	-.46	1.21	.11	.62
28	.98	.37	.71	1.06	-.35	.29	.36	-.77	-.14	1.48	.26	.75
29	1.40	.53	.93	.68	-.48	.12	.49	-.68	-.11	.89	.29	.59
30	1.55	.36	.94	.68	-.40	.18	.46	-.38	.07	.93	.34	.60
31	1.11	-.89	.16	—	—	—	.92	-.37	.29	.60	-.05	.33
MONTH	2.07	-.89	1.15	1.83	-.48	.63	1.94	-1.11	.38	1.48	-1.23	.24

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.55	-.14	.19	1.72	.95	1.42	.59	-.32	.17	1.54	.73	1.18
2	.43	-.29	.11	1.19	-.42	.47	.61	-.65	.03	1.41	.70	1.14
3	.46	-.52	-.05	.16	-.94	-.39	.72	-.23	.25	1.32	.81	1.14
4	.68	-.33	.20	.16	-1.03	-.45	.73	-.36	.24	1.00	.48	.70
5	.78	-.35	.18	.41	-.99	-.30	1.20	.19	.62	1.09	.41	.72
6	.79	-.22	.30	.63	-.74	.03	1.10	.36	.73	.78	.27	.52
7	.95	-.16	.41	.77	-.45	.21	.88	.42	.64	.63	.17	.44
8	.97	-.24	.48	.99	.01	.47	.97	.59	.80	.62	-.02	.32
9	1.02	-.37	.47	1.67	.56	1.00	1.14	.74	1.01	.83	.04	.52
10	1.65	.22	.82	.67	-.05	.22	1.48	1.10	1.35	.95	.11	.61
11	1.30	-.18	.34	.55	-.20	.12	1.67	1.24	1.48	1.04	.11	.63
12	.71	.30	.51	.55	-.11	.38	1.78	.93	1.44	.82	.06	.50
13	.60	-.19	.13	.69	.07	.46	1.37	.73	1.04	.93	-.08	.45
14	.76	.03	.46	.59	.03	.34	1.25	.65	.98	1.19	.19	.71
15	.82	.18	.49	.54	-.31	.19	1.43	.67	1.03	1.12	.29	.73
16	.83	.23	.51	.69	-.45	.17	1.57	.72	1.17	1.23	.37	.73
17	.91	.13	.50	.96	-.01	.51	1.63	.73	1.15	1.39	.28	.89
18	1.01	.14	.57	.87	.10	.38	1.34	.55	.96	1.20	.59	.92
19	1.30	.48	.85	.91	-.06	.38	1.30	.45	.93	1.18	.39	.84
20	1.41	.48	.92	1.11	.06	.56	1.26	.57	.94	1.37	.62	1.05
21	1.38	.40	.84	1.02	.16	.60	1.29	.71	1.00	1.24	.28	.82
22	1.43	.59	.98	1.07	.08	.67	1.09	.43	.70	1.12	.18	.71
23	1.44	.38	1.04	1.11	.30	.65	1.20	.74	.96	.96	-.04	.53
24	1.41	.15	.69	1.11	.31	.64	1.79	1.20	1.53	.87	-.05	.45
25	1.07	.35	.71	.80	.16	.45	1.70	1.13	1.49	.88	-.14	.44
26	1.01	.37	.58	.93	.63	.84	1.69	1.02	1.43	1.07	-.15	.52
27	1.15	.37	.75	1.07	.34	.87	1.65	.94	1.34	.97	-.16	.46
28	1.14	.37	.84	1.43	.37	1.02	1.76	.88	1.35	1.40	.08	.82
29	--	--	--	.90	-.05	.46	1.79	.94	1.40	1.45	.29	.87
30	--	--	--	.78	-.25	.31	2.06	1.19	1.55	1.33	.53	1.00
31	--	--	--	.61	-.52	.07	--	--	--	1.68	.87	1.15
MONTH	1.65	-.52	.53	1.72	-1.03	.41	2.06	-.65	.99	1.68	-.16	.73
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.26	.72	.95	.66	.14	.43	1.02	.04	.59	1.44	.51	1.08
2	1.08	.51	.82	1.23	.38	1.00	1.22	.13	.79	1.26	.35	.85
3	.92	.44	.67	1.72	.97	1.37	1.48	.54	1.07	1.34	.35	.86
4	.94	.34	.62	1.41	.26	.96	1.34	.52	.99	1.53	.61	1.22
5	1.13	.39	.79	1.21	.12	.69	1.43	.52	1.01	1.69	1.08	1.38
6	1.24	.44	.92	.96	.06	.56	1.50	.42	1.02	1.49	1.01	1.31
7	1.16	.35	.89	1.07	.07	.70	1.36	.50	.98	1.33	.85	1.15
8	1.12	.21	.70	1.57	.26	.96	1.47	.64	1.15	1.45	.81	1.19
9	1.02	-.04	.55	1.89	.56	1.21	1.60	.96	1.27	1.63	1.14	1.42
10	1.45	-.08	.43	2.01	.73	1.30	1.28	.96	1.08	1.84	.92	1.44
11	1.31	-.10	.54	1.70	.87	1.30	1.24	1.00	1.12	1.80	1.01	1.42
12	1.37	.07	.56	1.62	.78	1.17	1.54	1.21	1.44	1.78	1.24	1.52
13	.88	.14	.58	1.25	.56	.97	1.71	1.28	1.52	2.05	1.54	1.80
14	.91	.14	.58	1.07	.45	.83	1.84	1.07	1.50	2.24	1.75	2.04
15	.84	.26	.59	1.16	.60	.87	1.82	.78	1.44	2.84	2.08	2.50
16	.62	.24	.42	1.04	.21	.68	1.74	.45	1.23	3.08	1.74	2.57
17	.66	.07	.42	.95	.03	.54	1.42	.34	.93	1.81	.92	1.54
18	1.07	.21	.71	.86	-.16	.47	1.28	.28	.85	1.56	.84	1.14
19	1.62	1.03	1.41	.96	-.06	.52	1.14	.27	.77	1.44	.84	1.16
20	1.92	.58	1.47	.99	-.08	.56	1.15	.29	.73	1.50	.94	1.21
21	1.41	.07	.92	1.40	-.08	.55	.85	-.09	.46	1.91	1.32	1.68
22	1.15	.03	.62	1.06	-.09	.49	.90	-.09	.55	2.07	1.45	1.76
23	.97	-.18	.46	.93	-.12	.44	1.09	.43	.76	2.08	.96	1.40
24	1.15	-.19	.40	.92	.05	.52	.90	.54	.74	1.60	.86	1.25
25	.72	-.22	.35	.70	.13	.46	1.47	.71	1.03	1.26	.47	.88
26	.85	-.23	.36	.50	.15	.27	1.61	1.18	1.41	1.22	.41	.88
27	.49	-.26	.13	.21	-.58	-.12	1.63	1.28	1.47	1.08	.22	.67
28	.20	-.35	-.08	.51	-.20	.27	1.79	1.23	1.53	.97	.40	.75
29	.03	-.35	-.20	.71	.25	.49	1.76	.96	1.45	1.15	.65	.94
30	.44	.03	.27	.76	.26	.52	1.53	.72	1.24	1.62	1.02	1.31
31	--	--	--	.92	.16	.62	1.46	.54	1.06	--	--	--
MONTH	1.92	-.35	.59	2.01	-.58	.70	1.84	-.09	1.07	3.08	.22	1.34

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- July 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURE: July 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,400 microsiemens, Aug. 26, 1992; minimum daily, 690 microsiemens, Apr. 25, 1994.

WATER TEMPERATURE: Maximum daily, 32.3°C, Aug. 14, 1993; minimum daily, 6.7° C, Jan. 20, 1994.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 27,000 microsiemens, Oct. 16, 17; minimum daily, 690 microsiemens, Apr. 25.

WATER TEMPERATURE: Maximum daily, 31.9°C, Aug. 29; minimum daily, 6.7 °C, Jan. 20.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16500	14200	15100	9640	8250	8960	6940	4980	5970	6750	5280	6190
2	17400	14000	15600	9890	7480	9190	13500	6120	10700	9010	5920	7050
3	14600	13000	14100	12000	9030	10800	16100	11400	13100	7110	6270	6690
4	14300	13100	13700	12000	10300	11000	14100	10000	12300	8040	6930	7530
5	16100	12400	14300	12300	10500	11300	10300	8590	9330	7940	5680	7110
6	17900	13900	15300	11000	10400	10800	9200	8070	8570	6740	5410	6260
7	20000	14100	17300	10600	9200	9950	9600	7320	8090	6660	5940	6480
8	24400	19500	22700	10600	9240	10000	10100	7440	8470	6950	5460	6450
9	23600	18000	21600	11900	10200	10900	8450	7440	8030	6860	5690	6390
10	19500	16100	17800	12000	10300	10900	9170	7840	8320	11400	6390	8960
11	17700	14600	16300	11300	9780	10500	9020	7840	8410	17400	11200	13600
12	17800	13800	15800	16300	11200	13100	8360	7330	7940	15600	8630	11500
13	19000	15300	16900	20800	15400	17000	9700	7660	8790	11400	7580	9070
14	23900	19000	21200	21300	15900	18000	13100	8310	9910	8010	7250	7650
15	26200	21800	23300	20200	14600	17000	8970	8380	8710	8270	6010	7730
16	27000	22700	24000	17600	13300	15700	8480	7040	7960	13100	5630	8690
17	27000	20400	24100	16800	11800	14200	8450	6760	7720	18600	11400	14500
18	25500	18900	22600	12900	10700	11500	8430	6210	7500	11400	8820	9550
19	24500	15500	20600	11000	10100	10500	8350	5020	6850	8820	7900	8280
20	24200	15500	20600	10100	9620	9860	7480	5020	6600	8140	7390	7840
21	23400	16100	20100	9830	6720	8730	8300	6730	7670	8240	6870	7550
22	20700	15600	18000	9140	7620	8570	7930	5360	7090	7900	6230	7220
23	18900	12800	16600	9240	8300	9050	7880	5820	7050	8000	4980	6980
24	20600	14500	18200	9220	5880	8570	7630	5410	6700	7300	4010	5940
25	19200	17700	18400	9150	5850	8410	7630	6630	7300	6910	3930	5740
26	18400	14700	16900	8500	5070	7240	7410	5690	7170	6990	4190	5730
27	16000	12500	13700	8190	4520	6680	7100	5690	6510	9160	5190	7130
28	14400	11900	12500	8790	4520	6540	6870	5640	6250	8800	6180	7200
29	15700	12500	13700	8820	5070	7150	6740	5740	6300	7520	6150	6730
30	14800	10300	11800	7890	4350	6000	6560	5300	6030	7440	6340	7080
31	10300	9450	9920	---	---	---	6020	5100	5670	7550	7310	7460
MONTH	27000	9450	17500	21300	4350	10600	16100	4980	7970	18600	3930	7820

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7650	5230	7240	1970	1390	1610	5460	2840	4350	5250	1400	3420
2	7590	3960	6970	4820	1770	3520	5470	2390	4060	5250	2280	4140
3	7660	3140	6220	5660	4090	5030	4520	2390	3450	4920	2260	3950
4	6200	2340	4650	5570	2980	4790	4480	2040	3310	5080	4560	4870
5	6440	1940	4030	5470	2170	4140	2960	1780	2330	5000	3960	4500
6	6350	1970	3720	4010	2140	3400	3020	2070	2770	5190	4500	4860
7	5660	1780	3400	3660	2060	3160	3100	2580	2850	5120	4370	4860
8	3790	1530	2710	3580	2120	3060	3150	1610	2230	5250	4200	4830
9	4200	1510	2620	4470	3160	3850	2430	1200	1890	5180	3080	4310
10	2770	1580	2110	4100	3180	3680	2810	1300	2070	4790	3150	4060
11	6920	2520	5320	4520	3850	4120	4440	1920	2940	5290	2720	4070
12	6860	3770	4590	4680	1890	2900	3560	2710	2980	5560	2860	4370
13	6390	5080	5870	3250	2170	2860	4070	1980	3020	5870	2740	4440
14	6670	3600	5050	4260	2150	3550	4480	1700	3180	4570	2760	3630
15	4940	3550	4530	5080	3340	4510	4680	1450	3170	3830	2590	3320
16	5170	3590	4610	5110	2280	3870	4750	1910	3300	3990	2520	3300
17	6070	2110	4090	3400	2190	2930	4610	1830	3260	3820	2920	3400
18	4520	1810	3250	3210	2040	2860	4530	2840	3870	3480	3190	3330
19	3510	1430	2200	3750	2000	2880	4950	1740	3690	4530	3450	3860
20	3270	1320	2030	4110	2000	2740	4760	1980	3620	3800	2910	3440
21	3100	1260	2110	4110	2280	2800	4830	3130	4280	4990	3360	4080
22	2670	1120	1590	3510	2500	2840	5170	4070	4880	5330	3730	4770
23	2360	1090	1760	3040	2290	2800	5230	1620	3280	5420	4390	5090
24	5800	2360	4400	2990	2730	2860	2180	930	1400	5500	4110	5010
25	5060	2410	3980	5300	2780	4220	1870	690	1260	5420	3480	4680
26	5640	3390	4750	4290	2020	2530	1810	830	1360	5250	3530	4360
27	5650	2320	3840	3270	2350	2760	2120	790	1540	5360	3620	4330
28	5320	1620	3240	3690	2780	2970	2260	760	1540	4310	3560	4030
29	—	—	—	5250	3280	4210	2060	781	1450	4700	3800	4140
30	—	—	—	5420	3450	4510	1640	1150	1320	4270	3820	4020
31	—	—	—	5700	3370	4770	—	—	—	4480	3910	4270
MONTH	7660	1090	3960	5700	1390	3440	5470	690	2820	5870	1400	4190
	JUNE			JULY			AUGUST			SEPTEMBER		
1	4340	3730	4050	4800	2700	4020	8730	4640	6040	10200	8960	9620
2	4530	3960	4110	8180	3280	6050	13600	4660	8380	9160	8010	8560
3	5260	4010	4810	13300	8180	10500	14900	9600	11900	8960	8000	8490
4	5280	3580	4700	9260	6210	7390	13700	10100	11600	12300	8400	9970
5	5230	3110	4020	8200	5900	6440	12600	9990	11200	13400	10400	11400
6	4020	3100	3650	6590	5520	6040	12500	9020	10500	11300	10400	11100
7	4480	2930	3890	8420	5350	6430	12000	8920	10100	10400	8810	9470
8	5180	3290	4380	13400	6240	8660	12900	9370	10500	10000	8780	9380
9	5410	3680	4720	13600	8350	10600	14000	10800	11900	12700	8870	10800
10	5460	3640	4720	13300	8650	10600	12100	10100	11000	15400	10800	12600
11	5300	3530	4440	10900	8710	9750	10900	10200	10500	14400	11100	12600
12	5180	4170	4720	9410	7750	8390	12500	9940	11200	14600	11500	13200
13	5390	4170	5020	7890	5710	6980	15100	10600	12900	19500	12900	16300
14	5460	3110	4610	5710	4880	5160	15400	10600	12700	21500	16500	18700
15	5250	3340	4460	5460	4460	5140	14600	10700	12300	24800	18600	22400
16	5720	4410	5390	4840	3610	4240	12200	9720	10800	24700	16800	20600
17	5690	4830	5420	3880	2560	3370	11100	9220	9860	16800	7710	12000
18	5590	2240	4040	3830	2630	3160	9810	8140	9040	7710	5650	6200
19	5070	2990	4390	4090	2260	2920	9090	7680	8360	6790	5250	5670
20	5500	4450	5080	3440	2150	2790	8230	7320	7950	10400	5440	6650
21	4450	3840	4200	3370	2130	2800	8030	6630	7280	13900	10100	12400
22	4940	3430	4120	3480	2340	2950	6960	5890	6410	13900	10800	12200
23	4860	3550	4400	3410	1860	2810	7910	6300	6980	11100	7760	9700
24	4800	4140	4550	3190	1610	2500	7540	6790	7140	8850	6790	8060
25	4660	3050	4080	3290	2250	2920	10400	6660	7580	7310	6760	7000
26	4710	3250	4070	3740	3140	3460	15100	10400	12400	7150	6340	6840
27	4900	3830	4620	3560	2190	2860	15400	11300	13100	7470	6680	6940
28	4940	3860	4690	4870	1930	3260	16500	11500	13500	7380	5790	6540
29	4710	3450	4390	7490	3550	5200	14900	10900	12900	7410	6060	6830
30	4060	2020	3400	7430	3410	4900	11000	10100	10700	12100	6700	9210
31	—	—	—	8160	4360	5750	10300	9380	9880	—	—	—
MONTH	5720	2020	4440	13600	1610	5420	16500	4640	10200	24800	5250	10700

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.4	24.2	24.9	15.9	14.2	14.9	14.6	13.5	14.0	10.2	9.2	9.6
2	26.4	24.6	25.4	14.8	14.2	14.4	15.7	14.1	15.0	10.7	9.6	10.1
3	26.5	24.8	25.7	16.4	14.3	15.2	16.2	15.1	15.7	10.2	9.5	10.0
4	27.0	24.8	26.0	17.1	15.0	15.9	16.8	15.8	16.2	9.9	8.5	9.1
5	27.3	25.2	26.1	17.6	15.7	16.6	16.2	14.9	15.6	9.5	8.0	8.8
6	26.7	25.2	25.8	17.2	15.2	16.4	15.8	14.9	15.3	9.7	9.0	9.3
7	26.1	25.1	25.5	15.3	14.6	15.1	15.4	14.2	14.7	11.3	9.7	10.2
8	25.9	25.0	25.5	14.9	13.8	14.2	15.6	13.9	14.6	10.1	8.3	9.0
9	26.6	25.4	25.9	13.9	13.6	13.8	15.1	14.2	14.7	9.4	8.2	8.9
10	25.8	24.3	25.3	15.1	13.1	14.1	15.4	14.8	15.1	8.8	8.3	8.6
11	25.0	23.3	24.4	14.9	13.5	14.1	15.2	14.2	14.8	9.9	8.8	9.3
12	24.2	23.2	23.6	15.5	14.3	14.7	14.8	13.2	13.8	10.3	9.2	9.8
13	23.5	22.6	23.0	16.5	14.8	15.6	13.9	13.4	13.6	9.9	9.3	9.7
14	23.0	22.3	22.6	18.4	15.6	16.9	13.9	12.6	13.4	10.4	9.0	9.6
15	23.4	22.4	22.7	18.5	17.0	17.7	13.1	12.1	12.7	11.1	9.0	9.9
16	24.6	22.6	23.3	19.3	17.8	18.4	12.7	11.8	12.2	9.5	8.9	9.2
17	25.2	23.2	24.2	19.6	18.4	18.9	12.4	11.5	12.0	10.2	9.4	9.8
18	26.2	24.0	25.0	18.7	17.7	18.4	13.0	11.2	12.2	9.6	8.3	8.9
19	27.1	24.7	25.8	18.2	17.5	17.8	12.8	11.6	12.2	8.3	7.0	7.7
20	27.1	25.2	26.1	17.6	15.6	16.8	13.0	11.6	12.3	8.1	6.7	7.5
21	26.5	25.3	26.0	16.1	15.4	15.8	12.6	11.9	12.2	9.1	7.4	8.0
22	25.6	21.9	24.4	15.9	14.6	15.5	12.3	11.2	11.7	8.4	7.3	8.0
23	23.8	21.8	23.0	15.9	14.6	15.4	11.4	10.4	10.7	9.6	8.1	8.5
24	23.2	21.7	22.5	16.5	14.9	15.5	10.6	9.5	10.0	10.7	8.7	9.2
25	22.9	22.4	22.7	16.4	15.1	15.5	10.2	8.3	9.3	12.3	9.3	10.2
26	22.7	22.0	22.4	16.3	15.1	15.5	10.5	8.9	9.6	14.0	10.2	11.3
27	22.7	21.7	22.3	15.5	14.1	14.6	11.3	9.3	9.9	12.8	11.0	11.8
28	22.2	20.9	21.7	14.4	13.3	13.9	12.8	9.8	10.9	13.2	11.9	12.6
29	21.9	21.2	21.5	14.6	13.0	13.7	11.5	10.6	11.2	12.8	11.7	12.1
30	21.6	16.2	19.2	15.4	13.2	13.9	10.9	9.5	10.3	11.7	10.4	11.1
31	16.6	13.9	15.1	—	—	—	10.2	8.9	9.5	11.0	9.8	10.4
MONTH	27.3	13.9	23.8	19.6	13.0	15.6	16.8	8.3	12.8	14.0	6.7	9.6
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.3	9.2	9.7	14.4	13.6	13.9	18.3	16.5	17.5	25.5	24.4	24.9
2	9.8	8.7	9.4	14.5	13.2	14.2	18.3	16.9	17.7	24.8	24.0	24.5
3	9.8	9.0	9.4	14.3	11.7	13.1	18.4	17.4	18.0	24.8	23.6	24.3
4	10.3	9.5	9.9	14.2	12.9	13.5	18.7	17.0	17.9	24.7	23.7	24.1
5	11.6	10.2	10.8	14.7	13.5	14.0	19.5	18.3	18.9	24.5	23.7	24.1
6	13.0	11.1	11.9	15.5	14.3	14.9	19.6	17.9	19.0	25.7	24.0	24.8
7	14.1	12.0	12.7	16.8	14.8	15.8	18.6	17.3	17.9	25.7	24.4	24.9
8	15.0	12.8	13.6	17.6	15.9	16.8	19.3	17.4	18.2	26.2	25.2	25.6
9	16.4	14.0	14.7	17.6	15.8	17.1	19.4	18.2	18.7	27.1	25.3	25.8
10	16.3	15.0	15.7	16.0	14.2	15.2	21.1	19.2	19.8	26.8	25.4	26.0
11	15.7	14.7	15.1	15.9	14.1	15.2	22.1	20.4	21.0	27.1	26.0	26.3
12	14.8	13.9	14.4	15.3	14.1	14.9	22.3	21.2	21.8	28.3	26.1	26.8
13	14.5	12.9	14.0	16.0	14.8	15.3	22.7	21.7	22.0	28.0	26.8	27.3
14	13.3	12.1	12.7	16.6	15.3	15.9	23.5	21.7	22.1	27.3	26.7	27.1
15	12.8	11.7	12.2	17.1	16.1	16.5	23.1	22.2	22.6	27.8	26.7	27.2
16	13.1	12.4	12.5	17.2	16.4	16.8	22.8	21.6	22.2	28.2	27.0	27.6
17	13.5	12.6	12.9	16.7	15.6	16.3	22.0	21.1	21.5	28.0	26.9	27.4
18	13.8	12.9	13.3	17.6	15.9	16.5	22.0	20.9	21.4	27.3	26.3	26.8
19	14.9	13.7	14.3	18.6	16.8	17.4	22.5	21.0	21.5	26.7	25.2	26.1
20	15.7	14.9	15.1	19.0	17.5	18.4	22.3	21.3	21.7	26.3	25.0	25.7
21	17.2	15.2	15.8	19.5	18.3	19.0	22.4	21.9	22.1	26.8	24.8	25.8
22	16.8	15.2	15.9	19.7	18.5	19.2	24.1	22.1	23.1	26.8	25.1	25.7
23	17.8	16.1	16.6	20.7	19.3	19.9	23.8	22.4	23.0	27.1	25.1	25.9
24	16.2	15.2	15.7	21.7	20.6	21.0	23.3	22.3	22.7	27.1	25.3	26.0
25	16.0	14.6	15.3	22.0	20.9	21.6	24.5	22.5	23.3	27.0	25.1	26.0
26	15.6	14.7	15.3	21.7	20.6	21.0	25.3	23.5	24.0	26.8	25.3	26.0
27	15.4	13.2	14.7	22.8	20.9	21.7	26.1	24.0	24.9	26.7	25.6	26.1
28	15.1	13.5	14.1	22.2	19.6	20.9	26.1	24.5	25.2	26.8	25.5	26.2
29	—	—	—	19.7	17.8	19.0	26.0	24.8	25.5	26.7	25.5	26.2
30	—	—	—	19.6	18.0	18.7	25.9	25.0	25.3	26.4	25.5	26.0
31	—	—	—	18.8	17.3	18.0	—	—	—	27.2	25.2	26.4
MONTH	17.8	8.7	13.5	22.8	11.7	17.2	26.1	16.5	21.3	28.3	23.6	25.9

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.9	25.8	26.4	30.3	29.2	29.7	29.3	27.9	28.6	31.1	30.0	30.4
2	27.8	26.3	26.9	29.7	29.3	29.6	29.0	27.5	28.2	30.8	29.7	30.3
3	28.8	27.4	28.0	30.1	29.4	29.7	28.3	27.3	27.7	30.3	29.4	30.0
4	30.0	27.8	28.5	30.8	29.1	29.8	29.5	27.7	28.4	29.9	29.1	29.5
5	28.7	27.6	28.2	30.9	29.4	30.0	29.6	28.7	29.0	29.3	28.5	29.0
6	28.5	27.4	28.0	30.9	29.8	30.3	30.1	29.0	29.5	29.8	28.7	29.3
7	30.5	27.7	28.4	30.5	28.9	30.0	30.2	29.3	29.7	30.6	28.8	29.6
8	30.1	28.3	29.0	29.3	28.1	28.8	30.3	29.5	29.9	30.5	29.4	29.8
9	30.0	29.1	29.4	28.5	27.9	28.3	30.4	29.4	30.0	31.0	29.4	30.0
10	29.2	27.7	28.7	28.3	27.4	27.9	30.3	29.2	29.9	29.9	29.0	29.2
11	28.7	27.3	28.1	27.8	27.1	27.5	30.4	29.1	29.6	29.3	28.4	28.9
12	28.0	27.3	27.7	27.8	27.1	27.5	30.4	29.6	29.9	29.1	28.2	28.7
13	28.8	26.9	27.8	28.5	26.8	27.5	30.4	29.4	29.9	28.6	27.9	28.2
14	29.6	27.8	28.6	27.8	26.7	27.4	30.5	29.5	29.9	28.1	27.8	27.9
15	29.6	28.3	28.9	29.0	27.1	27.9	30.7	29.7	30.2	27.9	26.6	27.2
16	31.1	28.6	29.5	30.0	27.9	28.6	30.5	29.2	29.8	28.6	26.6	27.4
17	30.6	29.5	30.0	30.4	28.7	29.3	30.3	28.8	29.4	28.7	27.4	28.1
18	29.9	28.8	29.2	30.3	29.1	29.6	30.0	28.8	29.3	28.1	27.3	27.7
19	28.9	28.2	28.5	29.3	28.3	28.9	30.2	29.0	29.7	28.0	26.9	27.4
20	29.2	28.1	28.5	29.4	28.4	28.9	30.2	29.3	29.8	27.9	26.4	27.2
21	29.7	28.0	28.6	29.4	28.7	29.0	29.9	29.0	29.2	27.8	26.6	27.1
22	29.3	28.3	28.8	29.1	28.1	28.6	29.4	28.2	28.8	27.6	26.7	27.1
23	28.3	27.0	27.8	28.3	27.1	27.8	30.0	28.8	29.3	27.3	26.1	26.8
24	27.4	26.6	27.0	29.2	27.3	28.1	30.2	28.8	29.5	27.2	25.9	26.5
25	28.3	26.3	27.2	29.0	28.0	28.5	30.1	29.2	29.7	25.9	24.6	25.6
26	28.1	27.0	27.6	30.1	28.5	29.3	30.5	29.3	29.7	25.7	24.7	25.2
27	29.0	27.3	28.1	29.2	28.4	28.7	30.3	29.4	29.7	26.3	24.8	25.5
28	29.1	28.0	28.5	28.4	28.0	28.2	30.4	29.0	29.7	26.8	25.0	25.7
29	29.4	28.3	28.8	29.4	27.8	28.6	31.9	29.6	30.5	26.7	25.0	25.7
30	29.3	28.5	28.9	30.1	28.0	29.0	31.3	30.1	30.5	26.3	25.4	25.9
31	---	---	---	29.6	28.0	28.7	31.1	29.9	30.4	---	---	---
MONTH	31.1	25.8	28.3	30.9	26.7	28.8	31.9	27.3	29.5	31.1	24.6	27.9

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE—Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.63	6.53	7.16	8.30	7.41	7.88	7.89	6.55	7.32	8.36	7.46	7.92
2	7.39	6.23	6.96	7.43	6.30	7.02	7.83	6.66	7.36	8.16	7.31	7.84
3	7.26	6.12	6.79	7.56	6.21	7.00	7.73	6.59	7.19	8.31	7.52	8.04
4	7.62	6.21	6.96	7.36	6.53	6.99	7.74	6.54	7.20	7.66	7.26	7.47
5	7.95	6.24	7.13	7.56	6.22	6.97	8.01	7.07	7.60	7.59	7.29	7.42
6	7.85	6.52	7.18	7.97	6.46	7.28	7.96	6.93	7.50	7.81	7.32	7.56
7	7.89	6.52	7.19	7.79	6.75	7.29	7.75	7.18	7.48	8.00	7.35	7.70
8	8.09	6.79	7.42	7.96	6.85	7.38	7.75	7.31	7.58	8.07	7.01	7.63
9	8.14	6.73	7.39	8.11	7.35	7.68	8.04	7.49	7.78	8.07	7.03	7.61
10	8.12	7.17	7.68	7.81	6.82	7.28	8.28	7.62	7.93	8.08	6.91	7.53
11	7.85	6.86	7.39	8.03	6.76	7.45	8.40	7.58	8.00	8.26	7.01	7.62
12	7.73	6.98	7.27	8.08	6.87	7.50	8.40	7.37	7.98	8.21	7.00	7.56
13	7.53	6.48	6.95	7.59	6.89	7.26	8.13	7.29	7.70	8.44	7.04	7.76
14	7.91	7.03	7.46	7.49	6.99	7.27	8.35	7.28	7.85	8.62	7.42	8.05
15	7.68	7.01	7.37	7.64	6.63	7.21	8.63	7.20	8.00	8.43	7.35	7.87
16	7.60	6.99	7.25	7.52	6.63	7.13	8.30	7.00	7.72	8.27	7.25	7.70
17	7.57	6.87	7.27	7.79	6.78	7.36	8.09	6.92	7.58	8.25	7.18	7.76
18	7.73	6.85	7.33	7.97	6.94	7.49	8.10	7.19	7.68	7.88	7.15	7.55
19	7.99	7.09	7.55	7.81	6.79	7.36	8.07	7.14	7.66	7.67	7.08	7.40
20	8.24	6.88	7.57	8.11	7.02	7.61	7.86	7.20	7.60	7.92	7.23	7.64
21	8.17	6.84	7.52	8.02	6.98	7.54	7.86	7.37	7.68	8.04	7.19	7.69
22	8.52	7.29	7.89	7.91	6.67	7.35	7.82	7.53	7.66	8.01	6.84	7.49
23	8.13	7.08	7.65	8.12	7.23	7.72	7.99	7.30	7.70	8.01	6.72	7.42
24	8.19	6.79	7.32	8.09	7.37	7.78	8.43	7.61	8.05	8.19	6.75	7.45
25	8.14	7.30	7.60	7.89	7.22	7.45	8.73	7.60	8.16	8.39	6.88	7.62
26	7.94	6.96	7.30	8.07	7.61	7.81	8.94	7.43	8.26	8.67	6.95	7.87
27	8.04	7.13	7.65	8.48	7.87	8.19	8.90	7.46	8.16	8.45	6.94	7.75
28	7.93	7.26	7.61	8.09	6.63	7.42	8.95	7.40	8.17	8.52	6.97	7.85
29	—	—	—	8.03	6.61	7.16	—	—	8.23	8.53	7.14	7.92
30	—	—	—	7.83	6.32	7.20	8.90	7.69	8.31	8.14	7.43	7.80
31	—	—	—	7.72	6.23	7.00	—	—	—	8.19	7.51	7.83
MONTH	8.52	6.12	7.35	8.48	6.21	7.39	8.95	6.54	7.77	8.67	6.72	7.69
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.02	7.77	7.91	7.72	6.63	7.34	7.48	6.13	6.87	8.33	7.13	7.78
2	8.09	7.46	7.83	8.09	6.94	7.62	8.01	6.93	7.43	8.17	7.10	7.67
3	8.13	7.17	7.78	8.23	6.61	7.64	—	—	7.85	8.01	7.03	7.55
4	8.28	7.14	7.78	8.44	7.44	7.90	8.46	7.09	7.82	8.23	7.45	7.83
5	8.64	7.76	8.18	8.48	6.97	7.82	8.40	7.13	7.82	8.33	7.59	7.99
6	8.56	7.40	8.02	8.33	7.14	7.73	8.47	7.28	7.90	8.34	7.56	8.13
7	8.61	7.31	7.97	8.54	7.22	7.94	8.28	7.37	7.79	8.60	7.87	8.22
8	8.70	7.20	7.93	8.73	7.14	8.00	8.43	7.55	8.00	8.67	7.48	8.13
9	8.53	6.97	7.83	8.76	7.19	8.00	8.35	7.75	8.06	8.71	7.76	8.23
10	8.44	6.97	7.78	8.59	7.37	7.98	8.07	7.70	7.89	8.83	7.49	8.18
11	8.43	6.98	7.73	8.64	7.41	8.09	8.24	7.65	7.97	8.84	7.58	8.18
12	8.37	7.04	7.72	8.30	7.54	7.99	8.38	7.71	8.04	8.78	7.53	8.16
13	8.20	7.13	7.64	8.14	7.47	7.89	8.54	7.43	8.10	8.91	7.71	8.36
14	8.13	7.20	7.65	7.94	7.45	7.75	8.72	7.15	8.08	9.06	7.77	8.47
15	8.06	7.37	7.70	7.96	7.10	7.57	8.85	7.23	8.14	9.41	8.46	8.90
16	7.69	6.85	7.39	8.06	6.90	7.46	8.75	7.35	8.08	9.44	8.32	8.94
17	7.85	7.13	7.44	7.99	6.58	7.35	8.87	7.33	8.11	8.68	7.89	8.35
18	7.73	6.98	7.39	7.96	6.32	7.22	8.55	7.24	7.91	8.25	7.70	7.91
19	8.12	6.89	7.54	8.09	6.69	7.44	8.42	7.24	7.86	8.02	7.66	7.83
20	8.27	6.58	7.52	8.15	6.39	7.34	8.48	7.42	7.96	8.35	7.51	7.93
21	8.36	6.79	7.61	8.01	6.35	7.22	8.10	7.24	7.71	8.59	7.86	8.15
22	8.36	7.05	7.71	7.77	6.09	7.00	7.80	7.33	7.56	8.66	7.98	8.30
23	8.73	6.86	7.79	7.51	6.18	6.89	7.74	7.34	7.50	8.57	7.53	8.01
24	8.54	6.89	7.68	7.50	6.32	6.97	7.62	7.13	7.40	8.68	7.59	8.14
25	8.40	6.88	7.71	7.38	6.49	7.05	7.93	7.21	7.48	8.45	7.15	7.81
26	8.19	6.89	7.61	7.25	6.83	7.08	8.04	7.29	7.66	8.52	7.34	7.99
27	7.94	7.14	7.53	7.22	6.87	7.06	8.03	7.27	7.65	8.49	7.28	7.89
28	7.76	7.17	7.51	7.01	6.73	6.83	8.18	7.19	7.76	8.28	6.96	7.76
29	7.49	7.24	7.39	7.14	6.48	6.89	8.34	7.39	7.90	8.40	7.39	7.97
30	7.58	6.62	7.28	7.38	6.39	7.00	8.38	7.38	7.86	8.54	7.84	8.22
31	—	—	—	7.51	6.37	7.03	8.26	7.15	7.77	—	—	—
MONTH	8.73	6.58	7.68	8.76	6.09	7.45	8.87	6.13	7.80	9.44	6.96	8.10

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY				MARCH				APRIL		
1	30000	18600	24200	32800	24200	30100	15800	6670	11800	18600	13100	15300
2	25700	19200	22900	28400	8560	18000	18400	10900	15100	13100	10700	11600
3	31300	21700	27700	10000	6640	7870	17000	13600	15200	14700	11400	13100
4	26900	20400	25000	19600	5800	15000	17700	9020	13300	11400	9410	10300
5	29900	19900	24900	21500	7920	15900	22300	16600	18900	9410	7630	8250
6	31600	25400	29100	25200	15200	21600	22000	13500	18000	9020	7490	8240
7	31500	25400	29600	26100	19500	23000	16700	10200	12800	9780	8070	8690
8	29800	23900	27000	25000	21500	23700	21800	15700	16700	9300	7030	8230
9	28600	25500	26600	25200	17100	23500	24000	21200	22400	9880	6890	8030
10	26800	24800	26000	17100	7910	10400	28100	19200	22600	9420	6360	7790
11	26900	20400	23000	13800	11500	12700	28900	22300	27500	9570	6240	7720
12	24100	22200	23000	18600	13700	17300	28300	20900	26100	9610	6180	7740
13	23600	9190	16100	20100	16100	17700	23900	14700	19500	12500	6350	9480
14	16500	8890	11500	29000	20100	25400	22500	14400	17800	14700	7460	11500
15	22700	16500	21000	30500	21000	27400	23400	15500	19000	14700	9390	12200
16	27100	18600	24000	28600	27000	27600	16900	13300	16000	11300	8160	9370
17	28800	21600	26400	28400	18900	23100	15600	11800	13500	9980	7210	8350
18	29500	26400	27800	24000	18900	21200	17800	11600	15200	7530	5480	6850
19	32200	27800	29900	26700	17100	22600	16100	11800	14300	5480	4230	4800
20	35500	27300	31600	27900	20800	24400	14500	11300	13000	9500	4080	6440
21	34600	29400	33100	25800	21300	23900	14400	11200	13100	12600	9170	10500
22	34900	31600	32900	23000	17300	20100	14700	12000	13300	11300	5370	9280
23	34500	28300	32000	25400	20500	22700	17100	13900	15600	9880	4510	7700
24	28300	18000	21900	25100	23500	24200	17400	14100	16000	9360	4500	6950
25	29200	24100	25900	24300	16700	20200	21000	15000	18100	10700	4550	7990
26	31200	16800	22600	24300	17700	21100	20800	15600	19300	14900	5330	10900
27	23900	16600	19800	26100	23500	24300	20300	15700	18800	15700	7270	11300
28	27000	22700	25300	24300	12500	19800	21000	15600	18200	14200	7690	10800
29	---	---	---	18700	9590	13000	---	---	---	14600	7880	11700
30	---	---	---	18200	9140	15600	20000	15300	18500	12000	7200	9400
31	---	---	---	14800	7930	10500	---	---	---	9150	6660	7600
MONTH	35500	8890	25400	32800	5800	20100	28900	6670	17300	18600	4080	9290

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE				JULY				AUGUST		
1	9360	6980	8050	26900	16500	23200	23500	13600	21200	20900	10300	17100
2	8320	5740	7370	26100	10100	20200	23000	14800	19000	18700	7450	15200
3	6090	4480	5510	30200	11100	25100	---	---	---	16100	7940	13300
4	6020	4140	5200	30300	22100	27300	19700	11600	16500	17100	10300	14300
5	8650	4120	6470	24000	12600	19900	20300	11700	16400	18000	10500	15400
6	10500	4370	7460	21400	11700	16400	19500	12300	17300	19300	17000	18300
7	8520	4220	6100	21800	12200	17800	19300	13400	16900	24600	18300	21000
8	7910	4060	5490	20900	11400	17400	16300	12500	15000	28700	19500	23600
9	6790	3370	5200	21700	11200	16900	16600	12500	14600	30300	28400	29500
10	6850	2990	4880	17200	10500	14600	16000	13600	14800	28800	20500	25000
11	5540	2540	3710	16700	9560	12800	15500	13500	14500	24600	17400	20800
12	3980	2220	2950	12200	8870	10600	19800	14000	15800	24500	16500	19800
13	3650	2150	2740	8870	6650	8210	20500	14800	17300	27100	16400	21700
14	2940	2340	2610	6650	4720	5960	21900	16300	19300	29600	20900	26600
15	3760	2640	2980	5470	3310	4590	22400	12900	18600	28200	23300	26300
16	5450	2370	4170	10200	2570	5360	21300	13400	18000	27300	24800	26000
17	4140	995	1800	14800	2620	9730	21700	12600	18300	24800	16700	22300
18	1590	996	1250	14500	2210	9900	20100	11200	16500	23800	14000	20900
19	3330	1340	2020	9030	2420	5480	16900	11700	14700	21700	10700	15100
20	21000	2010	11200	7790	2610	5030	19100	10900	15600	16500	14300	16100
21	21900	5950	16700	7050	2600	4660	18200	10100	14700	15600	13600	14100
22	16100	5820	11400	6750	2550	4510	18100	10200	15400	24400	15600	19600
23	15900	6060	10900	6560	2210	3470	18300	16000	17200	28700	20800	25700
24	9090	3710	6880	10300	2040	5300	18700	17600	18200	26100	24400	25600
25	8170	3000	5240	16100	2190	9910	19100	12800	17400	24800	13100	18000
26	4710	2930	3760	7340	5120	6380	17400	13500	15400	19800	13500	18100
27	4840	2520	3590	7380	3120	5650	18400	14400	16000	19400	15400	17400
28	4740	1960	2880	10100	2900	5660	22300	15500	18700	22200	16900	20000
29	3070	1500	1790	19100	10100	16600	22600	16700	20100	24500	19600	22400
30	17200	1500	7680	23600	17500	21200	22000	13500	19100	24200	20300	21900
31	---	---	---	21600	9590	15600	20400	12600	17000	---	---	---
MONTH	21900	995	5600	30300	2040	12100	23500	10100	17000	30300	7450	20400

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	18.1	16.3	16.8	---	---	---
3	---	---	---	---	---	---	18.7	17.9	18.2	---	---	---
4	---	---	---	---	---	---	19.2	17.9	18.8	---	---	---
5	---	---	---	---	---	---	17.9	17.4	17.6	---	---	---
6	---	---	---	---	---	---	17.9	17.5	17.8	---	---	---
7	---	---	---	---	---	---	17.8	16.0	17.2	---	---	---
8	---	---	---	---	---	---	16.5	15.6	16.2	---	---	---
9	---	---	---	---	---	---	17.2	16.2	16.6	---	---	---
10	---	---	---	---	---	---	17.7	16.9	17.3	---	---	---
11	---	---	---	---	---	---	17.6	15.7	16.6	---	---	---
12	---	---	---	---	---	---	15.7	14.6	15.1	---	---	---
13	---	---	---	---	---	---	15.8	14.7	15.2	---	---	---
14	---	---	---	---	---	---	15.7	14.1	14.8	---	---	---
15	---	---	---	---	---	---	14.1	12.9	13.5	---	---	---
16	---	---	---	---	---	---	13.6	12.5	13.4	---	---	---
17	---	---	---	---	---	---	13.7	12.2	13.4	---	---	---
18	---	---	---	---	---	---	13.9	13.4	13.7	---	---	---
19	---	---	---	---	---	---	14.1	13.8	14.0	---	---	---
20	---	---	---	---	---	---	15.2	13.9	14.6	---	---	---
21	---	---	---	---	---	---	14.7	13.4	13.8	---	---	---
22	---	---	---	---	---	---	14.0	11.6	13.7	---	---	---
23	---	---	---	---	---	---	11.6	10.7	11.0	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	14.8	13.0	13.5
27	---	---	---	---	---	---	---	---	---	17.3	14.4	15.3
28	---	---	---	---	---	---	---	---	---	17.4	16.4	16.8
29	---	---	---	---	---	---	---	---	---	16.4	14.6	15.3
30	---	---	---	---	---	---	---	---	---	14.6	12.4	13.2
31	---	---	---	---	---	---	---	---	---	12.7	11.7	12.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.0	10.1	10.9	17.0	15.7	16.3	18.5	16.7	17.5	26.3	25.9	26.2
2	10.4	9.6	10.0	16.9	14.0	15.8	18.8	17.6	18.2	25.9	24.9	25.2
3	11.2	9.9	10.7	14.2	12.6	13.4	19.8	18.1	18.9	25.4	24.6	25.0
4	11.3	10.3	10.9	14.7	13.0	13.8	20.3	18.8	19.4	24.8	24.2	24.4
5	12.7	11.3	11.8	15.0	14.4	14.6	21.0	19.5	20.2	25.0	23.2	24.2
6	13.4	12.4	12.8	16.5	15.0	15.7	21.0	19.3	20.3	25.6	24.0	24.8
7	14.9	13.2	13.6	19.0	16.1	17.1	19.3	18.1	18.5	26.0	24.6	25.4
8	18.2	14.9	16.5	20.0	18.1	19.0	19.7	18.0	18.8	26.0	25.3	25.5
9	18.6	17.4	17.8	19.7	18.0	19.2	21.3	19.3	20.3	27.1	25.4	26.1
10	19.6	18.3	19.0	18.0	14.8	15.8	23.6	21.2	22.1	27.1	26.1	26.5
11	18.8	17.5	17.9	15.2	13.7	14.2	24.9	22.8	23.9	28.0	26.2	27.1
12	17.5	16.7	17.0	15.3	14.4	14.7	24.8	24.0	24.4	28.6	27.0	27.7
13	16.8	14.4	16.0	15.5	15.3	15.4	24.7	23.1	23.9	29.0	27.4	28.3
14	14.4	12.7	13.6	16.4	15.5	15.9	24.0	22.8	23.3	28.5	27.6	28.0
15	14.1	13.3	13.7	17.3	16.4	16.9	25.0	23.7	24.3	28.8	27.4	28.1
16	14.3	13.9	14.1	17.5	17.1	17.3	24.6	23.2	24.0	29.2	28.1	28.6
17	14.6	14.1	14.4	18.0	16.9	17.5	23.2	21.9	22.3	29.0	27.5	28.3
18	16.5	14.6	15.4	19.2	17.2	18.1	21.9	21.4	21.7	28.0	26.9	27.4
19	17.6	16.2	16.9	20.5	18.9	19.2	22.6	21.7	22.0	26.9	25.5	26.2
20	18.9	17.4	18.0	21.8	20.3	20.9	23.3	22.5	22.9	25.6	24.2	25.0
21	19.5	18.7	18.9	22.0	21.2	21.5	23.0	22.7	22.8	25.8	24.9	25.3
22	20.4	19.0	19.7	21.9	21.0	21.5	23.1	22.8	23.0	25.9	24.4	25.2
23	20.7	18.9	20.0	22.7	21.0	21.6	24.4	22.9	23.6	27.0	25.0	25.7
24	18.9	16.7	17.6	24.0	22.2	23.1	25.1	24.1	24.6	27.1	25.2	26.0
25	16.9	16.2	16.6	24.1	23.2	23.7	26.2	24.3	25.3	27.6	25.6	26.4
26	17.6	15.7	16.8	23.2	22.4	22.8	27.0	25.3	26.1	27.0	25.7	26.4
27	15.7	14.4	15.0	24.0	22.7	23.4	27.6	25.9	26.6	27.2	26.1	26.7
28	15.8	14.5	15.2	23.5	19.1	21.9	27.5	26.0	26.7	27.7	26.5	27.0
29	---	---	---	19.1	17.5	18.0	---	---	26.8	27.4	26.7	27.1
30	---	---	---	19.1	17.7	18.5	26.8	25.9	26.4	26.9	26.3	26.7
31	---	---	---	18.8	17.3	17.9	---	---	---	27.3	25.9	26.5
MONTH	20.7	9.6	15.4	24.1	12.6	18.2	27.6	16.7	22.6	29.2	23.2	26.4

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.8	26.1	27.0	29.3	28.9	29.1	28.5	28.4	28.4	31.2	30.0	30.3
2	28.7	26.9	27.6	30.7	29.2	29.8	28.4	26.4	27.3	31.0	30.2	30.5
3	28.9	26.9	27.9	30.3	29.8	30.1	—	—	27.0	30.7	29.6	30.1
4	29.6	28.0	28.5	30.8	29.9	30.2	29.6	27.5	28.5	30.4	29.1	29.8
5	29.6	28.2	28.9	30.9	30.1	30.4	29.7	28.7	29.3	29.7	28.5	29.2
6	29.1	28.2	28.6	30.4	29.5	29.9	30.0	29.1	29.4	29.4	28.5	29.0
7	29.5	27.9	28.7	29.7	28.4	29.2	30.3	29.5	29.7	29.7	28.8	29.3
8	30.0	28.3	29.2	28.5	27.6	28.0	30.3	29.5	30.0	30.0	29.1	29.5
9	30.4	29.0	29.8	28.1	27.4	27.8	30.0	28.9	29.4	30.3	30.0	30.1
10	30.2	29.1	29.6	27.7	26.9	27.4	29.9	28.8	29.2	30.3	29.4	30.0
11	29.2	28.7	29.0	27.4	26.7	27.1	30.0	28.5	29.3	29.9	28.5	29.2
12	29.0	28.3	28.7	28.3	26.7	27.3	29.5	28.8	29.1	28.7	28.1	28.4
13	29.8	28.1	28.8	28.1	27.3	27.7	29.8	28.2	29.0	28.6	27.6	28.1
14	30.0	28.5	29.3	28.8	27.3	27.7	29.7	29.0	29.4	28.1	27.4	27.7
15	30.8	29.2	29.9	29.2	27.6	28.2	30.2	29.1	29.5	27.4	26.8	27.0
16	30.6	29.6	30.2	30.2	28.6	29.3	30.3	29.1	29.6	28.2	26.7	27.3
17	31.0	29.8	30.3	30.3	29.4	29.6	30.0	28.7	29.3	29.0	27.3	28.0
18	30.3	29.1	29.4	31.2	29.3	30.0	29.8	28.1	28.8	28.7	28.2	28.4
19	29.1	28.2	28.7	31.1	29.8	30.3	30.1	28.6	29.4	28.3	27.5	27.7
20	28.2	27.7	27.9	30.5	29.2	30.0	30.2	28.9	29.6	28.0	27.5	27.8
21	29.9	27.9	28.5	30.6	29.2	30.0	29.6	28.9	29.1	27.5	26.9	27.2
22	29.2	27.8	28.5	30.5	29.1	29.6	29.0	28.8	28.9	27.4	26.8	27.1
23	27.8	26.3	27.0	29.4	28.6	29.0	29.1	28.9	29.0	27.4	26.8	27.1
24	26.8	26.0	26.4	31.0	28.9	29.4	29.2	29.0	29.1	27.4	27.1	27.3
25	27.9	26.2	27.0	30.0	29.1	29.4	29.9	29.2	29.5	27.4	25.2	26.2
26	28.6	27.3	27.9	29.5	28.7	29.1	29.5	28.6	29.0	25.2	24.8	25.0
27	29.3	28.0	28.6	29.3	28.3	28.6	29.3	28.3	28.6	25.4	24.2	24.9
28	30.0	28.1	29.1	28.3	27.6	27.9	30.0	28.5	29.1	26.3	25.4	25.9
29	30.1	28.7	29.4	28.2	27.9	28.1	31.1	29.5	29.9	27.0	26.3	26.6
30	29.7	28.9	29.1	28.4	28.2	28.3	31.0	29.8	30.3	27.3	26.2	26.8
31	—	—	—	29.2	28.3	28.7	30.2	29.5	29.9	—	—	—
MONTH	31.0	26.0	28.6	31.2	26.7	28.9	31.1	26.4	29.1	31.2	24.2	28.0

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE

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-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1992 to current year.

GAGE.—Data logger collecting gage height, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.—Elevation affected by wind and tide. Missing record for Jan. 30 to Mar. 3 due to instrument cartridge failure.

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 3.69 ft, Aug. 25, 1992; minimum, -1.09 ft, July 2, 1993.

EXTREMES FOR CURRENT PERIOD.—Maximum elevation recorded during period, 3.56 ft, Oct. 31, minimum elevation recorded during period, -1.23 ft, Jan. 8.

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.74	1.04	1.37	3.55	1.72	2.58	1.49	-.18	.63	1.18	-.20	.46
2	1.63	.53	1.03	3.17	1.17	2.04	1.84	.31	1.00	1.16	.02	.49
3	1.51	.48	1.05	2.70	.21	1.64	1.81	.45	1.09	.99	-.26	.28
4	1.55	.50	1.07	2.36	.24	1.19	1.68	.73	1.13	.49	-.65	-.16
5	1.91	.44	1.13	1.51	.38	.94	1.07	.23	.64	.24	-.76	-.28
6	1.97	.50	1.20	1.53	-.03	.49	.97	.22	.52	.66	-.46	.13
7	2.19	.74	1.42	1.01	.15	.50	.91	.34	.59	1.30	-.46	.24
8	2.32	.98	1.62	1.04	.34	.65	1.03	.00	.51	.66	-.123	-.24
9	2.10	.71	1.39	.98	.52	.72	1.34	.00	.70	.89	-.93	.01
10	2.20	.74	1.43	1.07	.39	.73	1.71	.11	.90	1.17	-.70	.17
11	2.62	.79	1.63	1.47	.22	.82	1.28	-.31	.49	1.18	-.49	.36
12	2.11	1.05	1.58	1.84	.34	1.05	1.60	-.28	.62	1.02	-.42	.27
13	1.97	1.53	1.72	2.12	.36	1.20	2.24	.17	1.14	.93	-.09	.45
14	1.92	1.34	1.61	2.06	.30	1.18	1.63	-.22	.57	.71	-.53	-.05
15	2.04	1.14	1.53	1.91	.11	1.00	1.18	-.38	.39	.30	-.56	-.18
16	2.26	.69	1.44	1.80	.14	.92	1.15	-.35	.29	1.23	-.25	.43
17	2.24	.72	1.48	1.81	-.11	.76	.80	-.28	.27	1.14	.06	.64
18	2.23	.62	1.44	1.32	.12	.68	.85	.04	.45	.25	-.28	.04
19	2.18	.42	1.27	1.37	.36	.82	1.06	.33	.66	.35	-.32	.01
20	2.15	.70	1.40	1.30	.09	.46	1.16	.36	.95	.45	-.60	.03
21	2.04	.86	1.50	.66	.44	.56	.74	.04	.37	.34	-.98	-.25
22	2.49	1.84	2.13	.75	.22	.41	1.07	.16	.61	.52	-.74	-.09
23	2.62	1.39	2.11	.76	.18	.46	.84	-.26	.30	.74	-.84	-.01
24	2.47	1.39	1.98	.78	.09	.41	1.04	-.25	.36	.75	-.68	.02
25	2.12	1.58	1.91	.92	-.01	.46	.23	-.86	-.24	.91	-.63	.13
26	2.07	1.31	1.63	1.08	-.12	.46	.54	-.85	-.20	1.19	-.64	.24
27	1.82	1.16	1.50	1.12	-.36	.40	.89	-1.05	-.09	1.52	-.16	.58
28	1.92	1.18	1.53	1.10	-.33	.36	.94	-.70	.08	1.36	-.05	.46
29	2.07	1.01	1.40	1.03	-.39	.32	.82	-.39	.18	.69	-.15	.30
30	3.26	1.25	2.30	1.37	-.49	.36	.80	-.86	-.06	---	---	---
31	3.56	1.87	2.48	---	---	---	.81	-.49	.16	---	---	---
MONTH	3.56	.42	1.56	3.55	-.49	.82	2.24	-1.05	.48	1.52	-1.23	.15

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE--Continued

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	--	--	--	--	--	--	.91	-.70	.23	1.59	.62	1.13
2	--	--	--	--	--	--	.97	-.41	.35	1.47	.57	1.08
3	--	--	--	--	--	--	.92	-.37	.35	1.42	.67	1.14
4	--	--	--	.51	-.72	-.06	.85	-.40	.33	.87	.61	.74
5	--	--	--	.78	-.68	.13	1.08	.25	.73	.83	.50	.67
6	--	--	--	1.25	-.34	.52	1.47	.17	.82	.94	.40	.69
7	--	--	--	1.07	-.06	.50	.69	.36	.52	1.07	.37	.76
8	--	--	--	1.19	.16	.63	.91	.47	.65	1.21	.11	.71
9	--	--	--	1.69	.55	1.03	1.21	.63	.93	1.25	.15	.72
10	--	--	--	.56	-.11	.25	1.35	.59	.97	1.23	.01	.66
11	--	--	--	.57	.02	.20	1.40	.49	.97	1.40	.09	.75
12	--	--	--	.60	.20	.42	1.52	.36	.99	1.40	-.03	.70
13	--	--	--	.60	.25	.44	1.32	.34	.87	1.48	.25	.86
14	--	--	--	.82	.33	.57	1.45	.28	.90	1.61	.41	1.02
15	--	--	--	.99	.08	.56	1.64	.29	1.01	1.50	.34	.94
16	--	--	--	--	--	--	1.70	.12	.95	1.38	.30	.86
17	--	--	--	1.01	.10	.56	1.32	.11	.79	1.37	.32	.92
18	--	--	--	1.21	.12	.71	1.32	.38	.89	1.08	.41	.81
19	--	--	--	1.13	.09	.67	1.27	.36	.89	.96	.42	.77
20	--	--	--	1.33	.27	.84	1.09	.44	.83	1.17	.63	.91
21	--	--	--	1.26	.22	.77	1.14	.70	.96	1.24	.45	.86
22	--	--	--	1.15	.03	.65	1.07	.71	.89	1.27	-.10	.63
23	--	--	--	1.30	.44	.93	1.19	.62	.93	1.19	-.27	.51
24	--	--	--	1.23	.51	.92	1.63	.66	1.18	1.37	-.26	.59
25	--	--	--	.97	.55	.71	1.85	.54	1.23	1.48	-.25	.64
26	--	--	--	1.20	.73	.87	1.99	.25	1.22	1.71	-.12	.82
27	--	--	--	1.58	.97	1.25	2.02	.27	1.21	1.45	.08	.78
28	--	--	--	1.60	-.39	.72	2.04	.35	1.23	1.67	.17	.98
29	--	--	--	.71	-.56	.13	1.85	.47	1.21	1.53	.28	1.00
30	--	--	--	.89	-.74	.18	2.00	.52	1.35	1.38	.32	.92
31	--	--	--	.79	-.70	.08	--	--	--	1.19	.68	.95
MONTH	--	--	--	1.69	-.74	.56	2.04	-.70	.88	1.71	-.27	.82
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.06	.76	.93	1.01	.52	.76	1.21	.05	.65	--	--	--
2	1.09	.63	.87	1.32	.58	.95	1.47	.41	1.02	--	--	--
3	1.22	.52	.88	1.49	.45	.97	1.74	.35	1.06	--	--	--
4	1.33	.44	.88	1.67	.52	1.08	1.62	.30	.96	--	--	--
5	1.54	.58	1.08	1.56	-.01	.81	1.60	.36	.96	--	--	--
6	1.54	.39	1.01	1.41	.17	.81	1.67	.41	1.06	--	--	--
7	1.64	.23	.97	1.60	.06	.94	1.43	.56	.99	--	--	--
8	1.61	.02	.87	1.85	.15	1.00	1.56	.64	1.13	--	--	--
9	1.46	-.12	.72	1.82	.42	1.11	1.53	.95	1.21	1.85	.92	1.37
10	1.42	-.07	.70	1.74	.42	1.10	1.29	1.03	1.11	1.89	.72	1.25
11	1.42	-.03	.68	1.74	.45	1.20	1.43	1.06	1.19	1.92	.60	1.24
12	1.30	.05	.69	1.52	.85	1.20	1.60	.86	1.20	1.89	.51	1.25
13	1.17	.15	.67	1.38	.68	1.06	1.69	.82	1.28	2.04	.86	1.50
14	1.10	.24	.71	1.20	.82	.99	1.86	.62	1.26	2.24	1.02	1.67
15	1.03	.40	.75	1.16	.54	.86	2.05	.70	1.35	2.61	1.50	2.05
16	.85	.50	.67	1.30	.28	.77	1.93	.52	1.24	2.51	1.28	1.92
17	1.10	.16	.72	1.29	.12	.70	1.98	.34	1.13	1.79	1.03	1.42
18	1.16	.38	.78	1.29	-.16	.58	1.71	.24	.99	1.46	1.02	1.18
19	1.41	.27	.88	1.41	-.06	.70	1.52	.28	.92	1.25	.87	1.07
20	1.65	-.01	.85	1.46	-.24	.65	1.51	.57	1.03	1.48	.88	1.16
21	1.60	-.17	.76	1.45	-.05	.72	1.38	.51	.93	1.73	1.07	1.37
22	1.57	-.02	.78	1.42	-.13	.66	1.19	.68	.91	1.72	1.21	1.47
23	1.80	-.26	.84	1.28	.09	.68	1.08	.77	.87	1.71	.74	1.23
24	1.79	.03	.82	1.18	.20	.67	1.01	.73	.83	1.70	.81	1.20
25	1.45	-.12	.76	1.00	.33	.67	1.34	.69	.92	1.51	.42	.92
26	1.20	.18	.69	.84	.46	.68	1.40	.73	1.04	1.48	.63	1.03
27	1.06	.26	.66	.77	.46	.62	1.52	.63	1.05	1.50	.47	.94
28	.94	.39	.66	.80	.50	.65	1.57	.69	1.12	1.27	.38	.87
29	.72	.44	.59	.86	.35	.62	1.56	.64	1.09	1.50	.69	1.10
30	.82	.38	.63	.98	.33	.67	--	--	--	1.79	.96	1.38
31	--	--	--	1.13	.08	.65	--	--	--	--	--	--
MONTH	1.80	-.26	.78	1.85	-.24	.82	2.05	.05	1.05	--	--	--

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1992 to current year.

REMARKS.--Missing record for 1993 water year due to transition period of relocation of site. Missing record for Jan. 30 to Mar. 3 due to instrument cartridge failure.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURES: July 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 44,200 microsiemens, June 30, 1994; minimum daily, 9,200 microsiemens, June 18, 1994.

WATER TEMPERATURES: Maximum daily, 35.5° C, June 30, 1994; minimum daily, 5.5° C, Dec. 25, 1993.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 44,200 microsiemens, Nov 15; minimum daily, 9,200 microsiemens, June 18.

WATER TEMPERATURE: Maximum daily, 35.3° C, June 30; minimum daily mean, 5.5° C, Dec. 25.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	34100	30800	32600	23000	12900	18000	33700	29600	31100	32000	29400	31200
2	34800	32300	33400	32300	22700	27200	35200	33600	34300	32600	28700	31400
3	34800	32300	33500	34000	30900	32300	35300	34300	34800	31600	27700	29400
4	34300	31200	32700	37100	32500	34700	35000	30400	33700	27700	26400	27000
5	33200	30500	31800	38300	36800	37500	30400	28900	29600	35200	22700	27800
6	31500	30200	30800	36900	29200	32600	29600	28200	29000	36900	35200	36300
7	31700	30300	30900	29200	25700	27100	28400	27600	27900	37400	33600	36100
8	31500	30100	30800	32500	25700	27500	32900	28000	30300	33600	24100	28100
9	32100	30600	31300	32400	30400	30900	35200	31900	34200	30400	24100	27200
10	30900	29500	30300	33900	30000	31700	34800	28100	33200	34500	30000	32700
11	30000	28600	29200	37700	31300	34300	28200	26300	27700	35700	32700	34200
12	30100	28700	29400	39600	37200	38600	26300	25100	25800	34400	31700	32800
13	29600	28200	29200	42500	39500	41000	27800	25200	26900	33100	29500	31000
14	29500	28700	29100	44100	41900	42900	27300	25500	26400	31000	27000	28800
15	29800	27800	29100	44200	40400	42800	26100	24200	25400	31000	28500	29900
16	30500	29600	30100	40900	39000	39900	28500	24200	26100	36100	29400	32000
17	31200	29700	30400	39900	35100	38400	32000	26000	29700	39500	35100	37600
18	30800	28900	30200	35100	30800	33600	33200	30700	31800	35100	31900	33600
19	31900	29400	30900	34100	31500	33300	31200	28600	29800	32200	30700	31500
20	32100	30400	31400	31500	27400	29300	32100	29900	31400	33700	31100	32400
21	31900	25700	28300	27600	26500	27000	30600	27500	29400	34400	32700	33600
22	25700	22600	23800	28200	26200	27200	27600	25400	26900	34800	32900	33800
23	22800	21600	22500	29200	26600	27900	25400	24400	25000	35900	33600	34700
24	24800	22400	23100	31200	24200	28000	25100	23400	24400	37200	34900	36000
25	26400	24600	25500	31200	22800	25500	23700	21200	22600	39500	36300	37500
26	30100	26000	27300	27400	23400	24800	32100	20700	24600	40100	37000	38500
27	29800	26600	27400	24200	22600	23300	36500	27200	31900	40400	38300	39300
28	32200	25500	27100	28900	21900	23600	38900	31100	36100	38700	32400	37000
29	32200	30900	31400	32600	22100	26000	31600	28700	30700	32400	28000	30500
30	31400	22100	26100	32400	26900	29900	28700	25000	27000	---	---	---
31	22100	13200	17800	---	---	---	29600	24800	26500	---	---	---
MONTH	34800	13200	28900	44200	12900	31200	38900	20700	29200	40400	22700	32800

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	23800	22400	23100	17700	14800	16600
2	---	---	---	---	---	---	28500	22100	26600	16800	14500	16000
3	---	---	---	---	---	---	29900	27200	28600	17000	15300	16400
4	---	---	---	38900	22200	27900	29000	26900	27900	17200	15500	16600
5	---	---	---	43200	24000	33900	30000	27300	28700	17700	16300	17100
6	---	---	---	42700	31300	35800	29900	26200	28400	18400	16400	17600
7	---	---	---	39100	33600	36100	27100	25200	26000	18800	16600	18100
8	---	---	---	34100	32200	33000	28300	25200	26700	19000	18300	18600
9	---	---	---	32500	21100	27800	30100	26500	28300	19600	17700	18700
10	---	---	---	21100	19600	20400	31400	28100	29700	21300	18000	19900
11	---	---	---	28700	19500	22100	31900	28900	30100	21000	18400	20200
12	---	---	---	36000	28100	33300	30600	24500	28500	21000	20000	20400
13	---	---	---	37400	34200	35700	24500	19900	21400	20600	19100	20000
14	---	---	---	35800	29100	30800	24100	19600	22300	20600	19800	20200
15	---	---	---	34700	31100	32600	24900	21900	23500	20800	19800	20300
16	---	---	---	---	---	---	24300	21100	23000	20500	19800	20200
17	---	---	---	33300	28500	30900	22600	18800	20700	20400	17800	18500
18	---	---	---	35600	32300	34100	20400	18300	19500	17800	16500	17300
19	---	---	---	35000	33700	34400	21600	18400	20100	16800	15100	15900
20	---	---	---	35000	33900	34400	21900	18800	20500	15600	14600	15100
21	---	---	---	34600	28600	31400	22100	18400	20700	16300	15300	15800
22	---	---	---	28600	27000	27800	22600	20000	21500	17300	16100	16700
23	---	---	---	28700	26900	27600	23200	20700	22000	18000	16800	17400
24	---	---	---	28400	27000	27600	22900	20400	21700	18400	17200	17700
25	---	---	---	27100	25500	26600	23400	20600	21900	20700	17800	19400
26	---	---	---	25700	24900	25300	23900	21100	22300	23800	20700	22400
27	---	---	---	25800	24100	25100	22600	19900	21500	25800	22900	24400
28	---	---	---	25400	20300	22700	21400	18400	20200	25100	23600	24200
29	---	---	---	21100	18800	19700	22000	18200	20000	23900	22900	23500
30	---	---	---	24700	20000	22000	20200	15900	18900	23200	21200	22100
31	---	---	---	25900	23300	24600	---	---	---	21400	20300	21000
MONTH	---	---	---	43200	18800	29000	31900	15900	23800	25800	14500	19000
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	20700	19600	20200	31000	20800	24200	26400	23400	24400	---	---	---
2	20300	19600	19900	32900	23000	30200	23800	18100	21300	---	---	---
3	19800	18000	18900	34500	30800	32700	25800	21400	23600	---	---	---
4	18500	16900	17800	32600	30200	31100	26500	24900	25800	---	---	---
5	18300	17300	17800	33300	29400	30800	27100	25400	26100	---	---	---
6	18300	17000	17600	32400	30000	31500	26100	23300	24300	---	---	---
7	17300	16300	16800	32300	26500	30700	25300	22500	23700	---	---	---
8	19000	16400	17600	30200	28500	29300	25300	23800	24500	---	---	---
9	20400	17600	19000	30000	28200	29000	25900	23500	25300	32600	31000	31800
10	19500	17300	18300	29100	24800	27100	26400	23500	25100	31500	29300	30600
11	18200	17200	17800	25400	23300	24400	26200	23500	25300	29900	26800	28700
12	17800	16500	17300	24700	23300	23700	26800	23500	25700	27600	26300	27000
13	17100	16100	16700	23800	21900	22800	29100	24100	26800	27500	25100	26400
14	16900	15700	16300	22500	21300	21900	29100	26100	28100	27200	25600	26400
15	16700	15200	16000	22800	21300	22100	29200	26800	27900	26600	24300	25100
16	15800	13200	14400	22600	19600	21500	28600	26600	27700	27500	25100	26700
17	13300	9260	10200	20100	15700	18000	27800	26100	26700	28200	24800	27000
18	10100	9200	9560	17500	13100	14800	29000	26100	27800	25300	23300	24300
19	21900	9540	13500	16600	14100	15800	31700	27100	29900	24200	22600	23500
20	23700	18600	20500	18900	15900	17800	38100	30000	35200	28300	21000	23400
21	32600	18000	28200	21400	18000	19900	36700	31700	34000	31400	24800	27900
22	33700	28000	32000	21300	17100	19700	31700	25500	27200	33300	30700	32000
23	37000	27600	32100	22600	18600	20600	26000	21400	24700	32700	25400	27400
24	36800	28500	32700	32300	15800	25900	26400	23800	25200	29800	25500	27600
25	32400	28000	31100	27700	16100	22100	26900	25100	25900	30200	26500	28000
26	37900	29400	34100	32200	21900	28600	26400	25600	26100	31800	24300	26100
27	39400	31800	36500	34900	27300	30800	27300	25800	26500	35600	28700	31700
28	38200	32700	36500	27300	21900	24600	30100	26800	28100	34500	28000	31200
29	37700	32000	34400	22000	19500	20700	30800	29500	30200	33200	29000	31400
30	37500	24500	34000	24600	20300	21500	---	---	---	34300	32000	33100
31	---	---	---	30300	23600	26200	---	---	---	---	---	---
MONTH	39400	9200	22300	34900	13100	24500	38100	18100	26700	---	---	---

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.1	24.4	25.1	14.5	10.2	12.6	18.5	15.3	16.8	12.9	11.0	12.1
2	27.4	24.1	25.4	17.1	12.9	15.4	20.1	17.8	18.9	14.5	12.9	13.7
3	29.1	25.2	26.7	19.6	16.0	18.0	20.4	19.1	19.7	14.1	10.6	12.5
4	29.9	26.1	27.7	22.0	18.6	19.6	20.4	17.5	19.7	11.5	8.6	10.1
5	28.7	27.5	28.2	21.9	20.0	21.0	17.5	15.6	16.5	13.8	7.8	10.3
6	27.9	26.4	27.2	21.6	14.8	18.5	16.5	15.5	16.0	14.9	13.6	14.3
7	27.8	26.2	26.9	14.8	12.2	13.0	15.6	14.3	15.1	16.0	13.8	15.1
8	27.3	25.5	26.5	14.7	12.2	13.0	17.0	15.1	16.1	13.8	8.8	10.4
9	28.5	26.3	27.3	14.8	14.4	14.6	18.4	16.4	17.5	10.7	7.9	9.4
10	27.6	25.0	26.0	16.4	14.0	15.2	18.4	17.1	18.0	13.1	10.1	11.6
11	25.5	23.6	24.5	17.9	14.7	16.5	17.1	14.6	15.8	14.8	13.1	14.0
12	25.0	23.6	24.2	19.3	17.4	18.4	14.6	13.1	13.8	14.6	14.1	14.3
13	24.2	23.4	23.7	21.9	19.3	20.6	16.3	14.0	15.1	14.1	12.1	13.0
14	24.0	23.1	23.4	24.2	21.6	22.9	15.9	13.6	14.5	12.6	9.8	11.3
15	25.5	23.5	24.4	24.9	22.7	23.7	13.6	11.6	12.5	13.0	11.0	12.0
16	26.7	25.0	25.8	24.0	21.9	22.9	13.7	11.1	12.6	14.0	11.0	12.3
17	27.3	25.3	26.2	23.4	20.8	22.6	15.7	12.1	14.1	15.9	13.4	14.8
18	26.6	25.7	26.2	20.8	19.2	20.1	16.7	14.1	15.4	13.4	8.9	10.9
19	27.8	25.6	26.6	22.0	19.9	20.9	16.2	14.8	15.1	8.9	6.6	7.7
20	28.5	26.4	27.4	21.4	16.2	18.7	16.9	15.1	16.0	10.5	7.9	9.1
21	28.1	25.3	26.4	16.2	14.3	15.0	16.3	13.3	14.4	10.9	9.2	10.1
22	25.3	21.0	23.1	15.6	13.7	14.6	13.3	10.4	12.2	11.2	9.3	10.3
23	21.0	20.2	20.6	17.4	14.5	15.8	10.5	8.9	9.8	12.6	10.0	11.3
24	22.3	20.4	21.3	18.2	15.5	17.0	9.7	6.9	8.6	14.0	11.7	12.9
25	23.0	22.0	22.5	18.6	15.6	17.2	10.3	5.5	7.9	16.6	13.8	15.0
26	24.0	21.8	22.8	18.7	16.1	17.3	13.6	8.1	10.2	17.8	15.4	16.6
27	23.8	22.2	23.0	17.0	12.9	14.5	15.6	12.1	14.1	18.5	17.0	17.7
28	22.7	21.1	21.9	14.6	11.5	13.0	17.7	15.3	16.3	18.3	15.5	17.7
29	23.1	22.6	22.9	16.7	12.0	14.3	16.2	13.4	15.4	15.5	12.1	13.7
30	23.1	13.5	18.6	17.2	13.9	16.0	13.4	9.9	11.1	—	—	—
31	13.6	10.1	12.0	—	—	—	11.0	8.9	9.9	—	—	—
MONTH	29.9	10.1	24.3	24.9	10.2	17.4	20.4	5.5	14.5	18.5	6.6	12.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	—	—	—	—	—	—	18.5	15.9	17.0	25.7	25.0	25.3
2	—	—	—	—	—	—	19.5	15.4	17.9	25.5	24.1	24.7
3	—	—	—	—	—	—	22.6	18.0	20.1	25.9	24.4	25.1
4	—	—	—	16.7	12.8	14.5	21.1	18.7	20.2	25.7	23.9	25.0
5	—	—	—	17.8	13.7	15.7	22.2	19.8	20.8	26.2	23.7	24.9
6	—	—	—	17.7	15.1	16.8	21.5	18.4	20.3	26.8	23.9	25.3
7	—	—	—	22.1	16.7	19.1	18.8	16.2	17.6	27.1	25.0	25.9
8	—	—	—	22.4	19.6	21.1	20.5	16.8	18.6	27.6	25.6	26.3
9	—	—	—	21.7	16.2	19.7	23.0	19.1	20.9	28.0	25.9	26.9
10	—	—	—	16.2	12.2	13.9	25.0	22.1	23.3	27.9	26.4	27.2
11	—	—	—	15.2	11.7	13.5	26.3	23.3	24.6	28.9	26.6	27.6
12	—	—	—	17.6	13.8	16.2	25.4	24.4	24.9	30.3	27.2	28.4
13	—	—	—	19.4	15.8	17.4	24.4	21.4	22.7	29.3	27.5	28.2
14	—	—	—	18.7	16.4	17.6	23.4	21.2	22.4	28.2	27.0	27.5
15	—	—	—	18.6	17.3	17.9	25.3	23.1	24.0	29.1	26.7	27.7
16	—	—	—	—	—	—	24.7	22.1	23.7	29.9	27.3	28.4
17	—	—	—	18.5	16.0	17.2	22.1	19.8	20.6	29.2	26.9	28.0
18	—	—	—	21.4	17.4	19.2	21.0	19.1	20.1	29.4	25.8	27.4
19	—	—	—	21.9	20.1	20.9	22.9	20.5	21.6	27.2	24.6	25.7
20	—	—	—	23.2	21.0	22.0	23.3	21.9	22.6	25.7	22.9	24.3
21	—	—	—	22.7	21.5	22.0	24.9	22.2	23.4	26.4	24.0	25.0
22	—	—	—	22.0	20.3	21.0	25.5	23.3	24.4	27.2	24.2	25.5
23	—	—	—	24.0	20.0	21.8	27.6	24.7	25.9	28.6	25.2	26.6
24	—	—	—	25.5	22.5	23.9	26.8	24.8	25.7	29.3	25.7	27.2
25	—	—	—	24.5	23.2	24.0	27.6	25.0	26.0	27.5	25.6	26.5
26	—	—	—	23.5	21.9	22.7	29.2	25.9	26.9	28.2	25.2	26.5
27	—	—	—	24.9	22.7	23.6	29.8	26.1	27.6	27.5	26.2	26.9
28	—	—	—	24.1	16.9	20.8	29.4	26.0	27.4	28.6	26.2	27.2
29	—	—	—	18.8	14.3	16.4	29.3	26.0	27.4	28.0	26.6	27.2
30	—	—	—	19.6	16.4	17.9	27.5	25.6	26.3	27.0	26.0	26.5
31	—	—	—	20.1	16.6	18.2	—	—	—	28.7	25.4	26.8
MONTH	—	—	—	25.5	11.7	19.0	29.8	15.4	22.8	30.3	22.9	26.5

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.5	26.3	27.4	33.0	30.2	31.7	28.9	27.4	28.2	---	---	---
2	29.7	26.9	28.2	32.7	30.3	31.5	27.5	25.8	26.6	---	---	---
3	30.1	28.0	29.0	33.6	30.5	31.8	29.2	26.0	27.5	---	---	---
4	30.6	28.0	29.2	32.2	31.0	31.7	31.3	28.3	29.7	---	---	---
5	30.3	28.6	29.3	31.4	30.0	30.7	33.2	29.8	31.2	---	---	---
6	31.7	28.0	29.7	31.5	29.8	30.6	32.1	29.8	30.9	---	---	---
7	30.4	28.9	29.7	30.5	27.9	29.3	32.4	29.5	30.8	---	---	---
8	30.5	28.7	29.6	28.1	27.5	27.8	31.9	29.9	30.7	---	---	---
9	31.2	28.7	29.9	29.5	27.0	28.1	30.6	29.2	29.8	31.2	29.7	30.4
10	30.2	28.6	29.4	28.5	26.6	27.6	30.9	28.9	29.8	31.5	29.3	30.2
11	29.6	28.3	28.9	27.7	26.2	26.9	31.0	29.0	29.9	29.7	28.0	28.9
12	30.4	27.9	29.2	29.5	26.8	28.0	30.0	28.8	29.4	28.3	27.4	27.8
13	31.5	28.4	29.8	29.0	27.7	28.2	30.9	28.2	29.5	28.9	26.8	27.9
14	31.5	28.9	30.0	29.6	27.6	28.5	31.5	29.3	30.4	28.7	27.0	27.8
15	31.9	29.1	30.3	31.0	28.4	29.6	33.0	29.7	30.8	27.5	26.5	26.9
16	32.7	29.4	30.9	32.5	30.2	31.3	32.0	29.2	30.7	28.7	26.9	27.7
17	31.8	28.7	29.8	33.3	31.2	32.2	30.8	28.7	29.6	30.6	27.5	28.9
18	29.8	27.8	28.7	33.2	30.5	32.1	31.0	28.5	29.6	30.5	27.9	29.1
19	30.5	28.1	29.2	31.6	30.3	31.2	31.0	29.2	30.3	29.4	26.8	28.1
20	32.0	27.8	29.5	31.9	29.4	30.6	31.4	29.5	30.3	28.8	27.0	27.8
21	31.0	28.9	29.9	33.1	29.7	31.1	30.3	28.9	29.6	28.6	26.6	27.6
22	29.7	27.7	29.0	31.5	29.4	30.2	29.1	27.5	28.4	29.2	27.7	28.2
23	28.0	27.1	27.4	31.1	28.2	29.7	29.4	27.5	28.6	28.3	26.0	26.9
24	28.9	26.5	27.5	31.6	28.0	30.1	31.2	28.7	29.7	27.7	25.4	26.7
25	29.1	26.9	28.0	30.7	27.9	29.5	31.0	29.1	29.9	27.2	25.0	26.4
26	29.5	27.4	28.6	31.2	29.4	30.4	29.6	28.4	29.0	26.1	23.1	24.7
27	30.4	27.5	29.0	30.2	27.1	29.1	30.3	27.9	29.0	27.8	25.4	26.7
28	31.0	27.8	29.6	30.8	26.0	27.9	31.2	28.7	30.0	29.0	25.8	27.3
29	30.7	28.1	29.6	30.0	26.6	28.5	31.9	30.1	31.0	28.6	26.5	27.7
30	35.3	28.7	31.6	31.4	28.5	29.9	---	---	---	28.5	26.8	27.6
31	---	---	---	30.1	27.7	28.7	---	---	---	---	---	---
MONTH	35.3	26.3	29.3	33.6	26.0	29.8	33.2	25.8	29.7	---	---	---

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA

LOCATION.—Lat 29°31' 03", long 90°10' 53", R. 22 E, T. 19 S, Lafourche Parish, Hydrologic Unit 08090301, on oil wellhead platform in Little Lake, 9.3 mi east southeast of Cutoff.

DRAINAGE AREA.—Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1992 to current year.

GAGE.—Data logger collecting gage height, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.—Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 5.08 ft, Aug. 26, 1992; minimum, -0.24 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height recorded during period, 2.54 ft, Sept. 15; minimum gage height recorded during period, -0.20 ft, Feb. 1.

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.67	1.28	1.43	1.04	.44	.73	1.30	.40	.88	1.55	.70	1.13
2	1.72	1.05	1.36	1.06	.59	.83	1.46	.80	1.07	1.39	.58	1.04
3	1.40	.86	1.15	1.16	.56	.88	1.61	1.10	1.39	1.13	.48	.82
4	1.41	.83	1.14	1.34	.81	1.10	1.77	1.18	1.47	1.24	.48	.92
5	1.43	.91	1.18	1.50	.95	1.25	1.55	.89	1.28	1.23	.70	1.03
6	1.54	1.00	1.25	1.50	.87	1.19	1.55	.81	1.20	1.05	.27	.60
7	1.61	1.23	1.42	1.93	1.18	1.57	1.50	1.07	1.33	1.33	.19	.67
8	1.92	1.43	1.67	1.93	1.29	1.58	1.50	.95	1.18	1.71	.83	1.25
9	1.86	1.22	1.56	1.71	1.38	1.56	1.41	.94	1.15	1.72	1.10	1.43
10	1.55	1.05	1.30	1.62	1.09	1.37	1.59	.88	1.15	1.73	.60	1.21
11	1.53	1.11	1.32	1.62	.96	1.27	1.81	.94	1.35	1.66	.62	1.09
12	1.51	1.26	1.42	1.71	.97	1.31	1.85	.97	1.48	1.35	.68	1.01
13	1.86	1.51	1.72	1.96	1.18	1.52	1.78	1.02	1.38	1.51	.90	1.16
14	1.87	1.53	1.68	2.04	1.43	1.74	1.79	.90	1.40	1.56	.36	.99
15	1.79	1.24	1.51	2.05	1.38	1.69	1.84	.95	1.51	1.41	.87	1.15
16	1.87	1.25	1.55	1.89	1.20	1.53	2.01	.97	1.60	1.45	.86	1.19
17	1.85	1.19	1.51	1.82	1.08	1.42	1.89	1.01	1.52	1.68	.89	1.21
18	1.86	1.26	1.56	1.66	.77	1.25	1.77	.71	1.33	1.84	1.37	1.67
19	1.83	1.12	1.48	1.32	.87	1.08	1.51	1.22	1.38	2.04	1.70	1.88
20	1.88	1.22	1.56	1.13	.58	.87	1.35	1.06	1.19	1.72	1.16	1.40
21	1.91	1.29	1.59	1.34	.87	1.09	1.59	1.14	1.44	1.56	1.00	1.31
22	1.44	1.07	1.28	1.13	.56	.88	1.91	1.33	1.59	1.53	.88	1.22
23	1.48	1.10	1.29	1.01	.51	.71	2.04	1.40	1.69	1.38	.47	.93
24	1.65	1.35	1.52	.80	.46	.59	2.20	1.60	1.84	1.27	.17	.70
25	1.63	1.45	1.55	.82	.34	.57	2.11	.52	1.30	.98	.02	.53
26	1.61	1.32	1.43	.89	.31	.62	1.59	.70	1.22	1.15	.26	.63
27	1.41	1.05	1.18	1.30	.39	.79	1.56	.41	1.00	1.31	.70	1.01
28	1.34	.79	1.01	1.37	.11	.86	1.41	.24	.85	1.47	.75	1.03
29	1.72	1.07	1.32	1.23	.08	.71	1.65	.83	1.12	.83	.43	.59
30	1.78	.60	1.12	1.21	.16	.76	1.74	.94	1.44	.60	.20	.37
31	.86	.10	.39	—	—	—	1.95	1.03	1.52	.38	-.09	.17
MONTH	1.92	.10	1.37	2.05	.08	1.11	2.20	.24	1.33	2.04	-.09	1.01

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.40	-.20	.06	1.59	1.05	1.31	.88	.20	.53	1.78	1.48	1.61
2	.45	-.17	.13	1.22	.11	.60	1.05	.39	.71	1.67	1.30	1.49
3	.59	-.10	.23	.48	-.13	.14	.95	.46	.71	1.56	1.17	1.34
4	.75	.18	.44	.53	-.06	.23	1.05	.40	.69	1.35	.84	1.06
5	.93	.11	.48	.79	.02	.39	1.22	.65	.88	1.18	.87	1.01
6	1.04	.39	.68	1.10	.29	.66	1.36	.93	1.16	1.10	.86	.95
7	1.07	.43	.72	1.17	.58	.86	.93	.76	.83	1.18	.60	.83
8	1.19	.58	.86	1.39	.78	1.03	1.17	.92	1.04	1.06	.41	.84
9	1.28	.74	.99	1.40	.77	1.16	1.48	1.17	1.36	.98	.30	.64
10	1.33	.93	1.10	.81	.16	.48	1.59	1.36	1.47	.96	.70	.82
11	.95	.49	.66	.57	.29	.43	1.77	1.57	1.66	.93	.62	.74
12	.81	.59	.66	.75	.57	.66	1.84	1.39	1.65	.87	.26	.55
13	.71	-.05	.37	.76	.46	.67	1.58	1.14	1.43	.75	.29	.60
14	.44	-.12	.16	.87	.46	.64	1.35	.93	1.13	1.00	.64	.83
15	.64	.37	.50	.93	.50	.72	1.46	.81	1.12	.94	.60	.79
16	.66	.24	.45	.93	.39	.66	1.63	1.15	1.39	.86	.56	.75
17	.87	.23	.55	1.08	.44	.78	1.43	.91	1.19	1.26	.77	1.02
18	1.12	.46	.80	1.10	.63	.88	1.42	.98	1.22	1.08	.65	.79
19	1.42	.86	1.14	1.18	.67	.90	1.38	1.00	1.21	.80	.66	.71
20	1.55	.93	1.23	1.30	.81	.99	1.39	1.03	1.19	1.04	.75	.89
21	1.53	.96	1.21	1.16	.80	.95	1.32	1.09	1.20	1.17	.61	.92
22	1.68	1.23	1.41	1.31	.81	1.02	1.24	.41	.86	1.18	.61	.87
23	1.68	1.05	1.25	1.30	.67	.98	1.30	.85	1.03	1.09	.19	.61
24	1.09	.46	.77	1.30	.69	.98	1.59	1.30	1.45	.99	.37	.61
25	1.15	.76	.96	1.14	.94	1.01	1.57	1.21	1.33	.95	.29	.61
26	1.17	.61	.85	1.29	.69	1.05	1.60	1.23	1.41	.82	.49	.73
27	.83	.64	.73	1.48	.56	.99	1.60	1.28	1.45	1.03	.24	.73
28	1.17	.73	1.00	1.56	.59	1.21	1.66	1.41	1.54	1.56	.82	1.13
29	---	---	---	.93	.43	.66	1.69	1.41	1.57	1.33	.79	1.11
30	---	---	---	.91	.28	.59	2.06	1.35	1.63	1.44	.85	1.18
31	---	---	---	.76	.28	.48	---	---	---	1.25	.77	1.08
MONTH	1.68	-.20	.73	1.59	-.13	.78	2.06	.20	1.20	1.78	.19	.90
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.25	.62	.96	.84	.50	.68	1.09	.66	.89	---	---	---
2	1.19	.45	.95	1.12	.78	.94	1.46	.74	1.20	---	---	---
3	1.23	.74	.93	1.14	.55	.90	1.66	1.17	1.42	---	---	---
4	1.19	.45	.76	1.24	.77	.99	1.62	1.10	1.37	---	---	---
5	1.20	.67	.96	1.41	.76	1.10	1.55	1.07	1.30	---	---	---
6	1.29	.73	1.00	1.28	.72	.99	1.53	1.06	1.31	---	---	---
7	1.13	.42	.78	1.36	.72	1.11	1.45	1.06	1.26	---	---	---
8	1.07	.55	.72	1.56	.98	1.31	1.59	1.10	1.35	1.65	1.29	1.49
9	.90	.53	.69	1.59	1.08	1.35	1.64	1.27	1.46	1.77	1.39	1.57
10	1.06	.59	.83	1.61	1.16	1.36	1.46	1.30	1.35	1.95	1.44	1.69
11	1.01	.59	.84	1.72	1.18	1.43	1.46	1.35	1.40	2.05	1.52	1.77
12	1.19	.55	.87	1.73	1.32	1.47	1.55	1.37	1.45	2.12	1.46	1.78
13	.85	.30	.63	1.49	1.29	1.40	1.69	1.33	1.51	2.13	1.65	1.90
14	.90	.29	.65	1.35	1.18	1.28	1.65	1.23	1.46	2.30	1.75	2.01
15	1.18	.52	.94	1.32	1.06	1.20	1.72	1.17	1.48	2.54	1.84	2.30
16	1.00	.64	.81	1.35	.86	1.12	1.63	1.12	1.40	2.45	1.86	2.23
17	.92	.52	.75	1.22	.73	1.00	1.68	1.10	1.38	1.92	1.49	1.78
18	.87	.51	.70	1.15	.61	.90	1.59	1.03	1.33	1.54	1.24	1.43
19	1.12	.62	.89	1.23	.61	.96	1.47	1.03	1.24	1.40	1.18	1.29
20	1.14	.46	.84	1.26	.67	.99	1.48	1.04	1.29	1.48	1.18	1.32
21	1.12	.46	.81	1.28	.67	.99	1.38	1.03	1.23	1.59	1.33	1.49
22	1.20	.54	.89	1.22	.71	.97	---	---	---	1.63	1.24	1.44
23	1.35	.68	1.01	1.24	.70	.93	---	---	---	1.75	1.16	1.44
24	1.35	.79	1.04	1.10	.68	.85	---	---	---	1.93	1.03	1.47
25	1.28	.78	1.00	1.02	.67	.83	---	---	---	1.78	1.04	1.42
26	.98	.70	.84	.92	.69	.80	---	---	---	1.89	.75	1.31
27	.96	.65	.80	.84	.67	.75	---	---	---	1.60	.64	1.11
28	.91	.59	.73	.70	.60	.66	---	---	---	1.46	.64	1.03
29	.67	.49	.57	.86	.60	.72	---	---	---	1.41	.76	1.05
30	.68	.19	.50	.91	.63	.76	---	---	---	1.46	1.01	1.27
31	---	---	---	1.11	.65	.87	---	---	---	---	---	---
MONTH	1.35	.19	.82	1.73	.50	1.02	---	---	---	---	---	---

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 17,300 microsiemens, Sept. 16, 1994; minimum daily mean, 365 microsiemens, Jan. 14, 1993.

WATER TEMPERATURES: Maximum daily, 32.2°C, June 16, July 3, 1994; minimum daily, 6.7°C, Dec. 25, 1993.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 17,300 microsiemens, Sept 16; minimum daily, 393 microsiemens, July 28.

WATER TEMPERATURE: Maximum daily mean, 32.2° C, June 16, 30, July 3; minimum daily mean, 6.7°C, Dec. 25.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1350	558	1040	954	581	704	888	727	815	920	470	669
2	1990	1240	1530	1040	630	750	1490	829	1070	850	650	747
3	1340	643	1010	1050	695	834	5960	1210	2830	850	540	666
4	1120	766	889	1570	695	1060	12200	3640	7690	690	480	611
5	1030	774	917	1530	796	1120	3640	1500	2010	670	460	507
6	1140	970	1040	1440	810	940	1660	1220	1440	810	477	539
7	1970	973	1330	820	550	581	1690	1040	1230	870	480	619
8	6270	1140	4370	1170	552	851	1710	1080	1270	700	440	570
9	10600	3850	7160	865	606	771	1770	1100	1270	717	420	509
10	3850	2600	2980	816	556	641	2430	1160	1520	770	490	585
11	2600	1740	2170	1040	589	711	2470	930	1420	820	580	663
12	2920	1650	2290	1180	801	1060	1480	960	1200	710	583	656
13	6710	2920	4290	3070	1130	1590	4130	890	1720	710	510	611
14	8270	4320	5770	10500	1560	6750	4230	1100	2230	610	490	550
15	5050	3540	4160	12300	2780	7670	1490	860	1140	640	510	585
16	6790	4030	5030	3940	2320	3250	1270	797	1010	810	530	630
17	9070	4640	6590	3210	1370	2300	1030	720	842	2640	590	1340
18	9620	5600	8000	1720	1220	1460	920	750	860	740	560	635
19	10000	6420	8380	1640	1150	1420	800	680	715	580	530	556
20	11500	6660	9040	1200	857	1040	1230	800	1030	590	530	563
21	9830	4530	8090	958	699	755	940	683	767	800	560	616
22	7050	3830	5850	721	670	694	710	570	640	660	560	620
23	3830	1460	1970	973	662	779	720	540	598	710	600	650
24	2500	1440	1950	965	734	856	600	480	515	730	660	694
25	3690	2290	2850	936	816	887	720	480	553	799	700	740
26	3620	2350	2790	898	719	843	740	510	572	818	749	785
27	2650	1750	2040	841	650	721	740	490	603	5230	808	1430
28	1850	1170	1390	752	642	697	700	510	619	8370	885	3030
29	2020	1480	1870	745	634	694	750	560	617	1610	1000	1340
30	2230	958	1380	766	675	720	630	470	510	1000	693	811
31	1010	699	925	---	---	---	510	470	487	803	592	638
MONTH	11500	558	3520	12300	550	1440	12200	470	1280	8370	420	780

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
FEBRUARY				MARCH			APRIL			MAY			
1		731	521	620	2820	1950	2350	780	670	717	11500	6320	8100
2		650	460	516	2330	970	1630	840	710	770	8870	6130	7340
3		618	478	521	1060	772	911	1010	780	891	8130	5550	6660
4		736	497	586	960	570	655	840	720	792	5550	2570	4050
5		895	616	724	940	610	707	1340	840	984	2570	1380	1780
6		1370	725	849	860	670	738	1400	810	1100	2470	2040	2220
7		1770	803	1080	960	670	832	870	760	791	3720	2040	2690
8		3810	1060	1680	1280	800	988	950	760	846	2750	1500	2230
9		5480	1620	2980	1490	710	1070	1680	940	1300	2170	1260	1610
10		7920	1950	4600	870	640	725	6240	1570	3160	1540	1270	1430
11		5840	1330	2980	640	580	613	15000	6130	10800	1560	1170	1320
12		2050	1330	1620	680	590	634	13700	7740	11400	1950	1180	1470
13		1380	572	927	700	620	642	8150	5390	6630	2480	1190	1680
14		783	504	575	790	650	757	7990	4630	6240	2520	1810	2240
15		1580	713	1040	1040	710	794	7470	6020	6870	2800	2090	2380
16		745	542	582	990	730	782	7800	5160	6150	2710	1620	2240
17		1070	571	691	800	650	718	5870	3200	4600	1620	1310	1420
18		1900	619	1030	840	720	795	4110	2970	3270	1610	1190	1400
19		3220	1380	2060	880	800	846	3320	2600	2890	1260	848	1020
20		3830	1540	2400	2210	860	1130	2860	2230	2410	1200	787	962
21		3980	1590	2490	2190	870	1040	2370	1690	2070	1180	1040	1100
22		12300	2820	5920	920	820	853	1760	1400	1620	1160	946	1090
23		12100	4050	7930	3140	860	1240	2050	1240	1570	1090	829	965
24		4910	1080	2700	3280	1510	2610	3580	2010	2760	995	818	895
25		2550	1870	2130	3280	860	1690	5930	3560	4660	997	851	921
26		2960	1310	2020	3900	1250	2100	9470	5340	7870	1580	874	1160
27		1400	917	1020	12400	2670	8100	10500	6480	8760	1360	896	1050
28		2210	1030	1590	7870	1990	5380	10900	7160	9410	1390	909	1040
29		---	---	---	2270	980	1630	11800	9570	10600	1190	862	998
30		---	---	---	990	770	905	12400	10100	11500	1060	749	878
31		---	---	---	940	730	871	---	---	---	961	803	872
MONTH		12300	460	1920	12400	570	1440	15000	670	4450	11500	749	2100
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
JUNE				JULY			AUGUST			SEPTEMBER			
1		961	795	858	735	584	663	497	416	450	---	---	---
2		911	737	842	786	615	708	638	408	507	---	---	---
3		831	660	756	857	656	756	669	549	604	---	---	---
4		816	639	713	908	697	816	740	579	654	---	---	---
5		906	580	698	889	769	823	650	510	601	---	---	---
6		1330	609	814	870	700	811	571	510	541	---	---	---
7		762	617	674	851	631	770	571	531	555	---	---	---
8		825	596	666	892	662	785	572	541	557	905	831	870
9		763	593	686	864	613	754	662	532	580	1120	865	946
10		790	594	660	864	605	721	612	532	558	2280	935	1460
11		790	578	645	685	565	600	613	553	569	2140	966	1720
12		742	561	616	686	586	635	663	573	606	2520	1340	2000
13		642	564	609	627	537	580	814	584	694	3330	1440	2490
14		772	527	602	668	469	552	854	654	736	9370	1350	5810
15		668	520	589	800	499	571	815	685	745	14100	6040	10500
16		669	559	611	800	520	586	745	596	659	17300	11800	14800
17		640	580	600	611	491	538	716	586	645	13300	8720	10700
18		681	581	625	622	503	542	696	576	620	9620	4650	6880
19		652	563	614	583	453	492	627	576	598	4710	3220	3900
20		683	563	631	594	474	514	627	587	607	3840	2340	3020
21		804	594	667	626	515	545		588	598	4130	3380	3900
22		876	615	702	606	447	481	---	---	---	4220	3900	4050
23		816	507	680	538	437	473	---	---	---	4130	2960	3540
24		638	507	551	479	428	447	---	---	---	3430	2960	3220
25		649	508	570	570	449	503	---	---	---	3140	2480	2760
26		1400	579	642	701	470	549	---	---	---	2640	2210	2440
27		1720	520	715	892	422	518	---	---	---	2750	2150	2500
28		1590	502	688	572	393	443	---	---	---	2640	2180	2450
29		713	502	613	523	404	441	---	---	---	2500	2230	2370
30		704	503	574	505	415	439	---	---	---	3670	2220	3090
31		---	---	---	566	416	476	---	---	---	---	---	---
MONTH		1720	502	664	908	393	598	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.1	23.3	24.2	13.3	10.9	12.2	15.9	14.0	15.0	10.2	9.2	9.7
2	26.0	23.9	24.9	13.8	11.8	12.9	17.2	15.3	16.2	11.4	10.1	10.7
3	26.6	24.8	25.5	15.0	13.2	14.2	18.1	16.6	17.3	11.2	10.0	10.8
4	27.1	24.9	26.0	17.4	14.7	15.9	19.1	17.5	18.4	10.7	9.5	10.1
5	27.4	25.7	26.5	19.7	16.2	17.6	17.5	16.7	17.2	10.0	8.6	9.2
6	26.9	25.7	26.3	19.7	15.0	17.1	16.9	15.8	16.3	10.7	9.2	9.9
7	26.9	25.7	26.2	15.0	12.9	13.5	15.8	14.6	15.3	12.0	10.6	11.1
8	26.8	25.3	26.0	13.3	12.6	13.0	16.3	15.1	15.5	10.7	8.8	9.6
9	26.3	25.7	26.0	13.2	12.9	13.1	16.7	15.3	16.0	9.4	7.9	8.8
10	25.7	23.9	24.8	14.1	12.5	13.3	16.7	16.3	16.5	9.9	8.4	9.2
11	24.4	22.9	23.5	15.3	13.2	14.3	16.5	15.0	15.8	11.1	9.7	10.4
12	23.9	22.8	23.3	16.2	14.6	15.4	15.0	13.8	14.3	11.6	10.7	11.2
13	23.3	23.0	23.1	18.9	16.0	17.5	15.2	14.0	14.7	11.4	10.5	11.0
14	23.5	22.8	23.1	22.2	18.3	20.4	14.9	13.6	14.4	11.6	9.5	10.6
15	24.3	22.9	23.5	22.8	20.9	21.9	13.7	12.5	13.1	11.7	10.3	11.0
16	25.9	23.6	24.4	22.4	20.7	21.6	12.9	11.7	12.3	11.6	10.1	10.8
17	27.0	24.8	25.6	22.4	20.4	21.7	13.1	11.6	12.3	13.1	11.4	12.2
18	26.9	25.1	25.8	20.4	19.1	19.6	13.6	12.4	12.9	11.4	8.6	9.8
19	27.0	25.9	26.3	19.9	19.1	19.4	13.2	13.0	13.1	8.6	6.8	7.5
20	27.7	26.1	26.9	19.6	16.3	17.9	15.3	13.0	14.0	8.7	7.0	7.8
21	27.1	25.6	26.3	16.3	14.8	15.5	14.1	13.1	13.5	9.4	7.9	8.7
22	25.6	21.3	23.3	15.7	14.5	15.2	13.1	10.7	12.0	9.8	8.2	9.1
23	21.3	20.4	20.8	16.6	14.6	15.5	10.9	9.7	10.4	11.1	8.9	9.9
24	21.3	20.3	20.8	17.7	15.6	16.5	9.7	8.0	8.9	12.2	10.0	11.1
25	21.6	20.8	21.2	17.8	16.2	17.0	9.0	6.7	8.1	13.9	11.4	12.6
26	22.4	20.9	21.6	17.3	16.0	16.7	9.9	7.6	8.7	15.3	12.8	14.0
27	22.8	21.2	22.0	16.0	13.6	14.7	11.2	8.9	10.0	17.3	14.4	15.7
28	22.6	21.1	21.6	13.9	12.1	13.2	12.7	10.2	11.4	18.0	15.9	17.3
29	21.7	21.2	21.5	14.9	12.8	13.7	12.4	11.2	11.9	15.9	13.3	14.6
30	21.7	14.7	18.6	15.4	13.5	14.4	11.2	9.5	10.3	13.3	10.7	12.1
31	14.7	11.7	12.8	---	---	---	9.9	8.9	9.5	11.4	9.8	10.5
MONTH	27.7	11.7	23.6	22.8	10.9	16.2	19.1	6.7	13.4	18.0	6.8	10.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.8	8.7	9.3	16.7	15.6	16.2	19.1	16.7	17.8	25.9	25.1	25.6
2	10.4	8.1	9.2	16.6	13.5	15.4	19.1	17.2	18.3	25.2	24.5	24.8
3	10.5	8.6	9.6	14.8	12.2	13.5	20.2	17.7	19.1	25.5	24.2	24.6
4	10.6	9.4	10.1	15.3	12.7	14.0	21.2	18.2	19.3	25.7	23.9	24.7
5	13.1	10.5	11.9	16.0	14.0	15.1	21.1	19.3	20.2	25.7	23.5	24.6
6	14.6	12.6	13.5	16.5	15.2	15.9	20.7	18.6	20.0	26.2	23.9	25.0
7	16.1	14.2	15.2	18.6	15.5	17.1	19.2	17.3	18.3	26.5	25.2	25.8
8	18.2	15.5	16.9	19.9	17.4	18.8	19.8	17.6	18.7	26.0	25.2	25.6
9	20.4	18.0	19.0	19.4	17.3	18.9	21.4	19.0	20.2	27.5	25.5	26.3
10	21.5	19.0	20.1	17.3	14.3	15.3	23.0	21.0	22.0	27.6	26.5	27.0
11	20.2	16.9	17.9	15.4	13.2	14.4	24.6	22.6	23.5	28.0	26.3	27.2
12	17.5	16.3	16.8	15.7	13.9	14.9	24.8	23.8	24.2	28.9	27.0	27.8
13	16.5	13.5	15.5	16.5	15.0	15.3	24.1	22.3	23.1	28.8	27.4	28.1
14	13.5	11.8	12.6	17.7	15.4	16.4	24.1	22.1	23.2	28.3	27.4	27.8
15	13.2	12.0	12.7	17.8	16.5	16.8	24.8	23.5	24.2	28.9	26.8	27.9
16	13.5	12.5	13.1	17.8	16.8	17.4	24.4	22.9	23.8	29.2	28.2	28.7
17	14.9	13.1	13.9	17.8	16.1	17.0	22.9	21.7	22.2	29.0	27.1	28.0
18	15.9	14.1	15.0	19.0	16.7	17.8	22.4	21.0	21.6	28.1	26.5	27.2
19	17.2	15.7	16.5	21.1	18.6	19.7	23.0	21.4	22.1	26.8	24.9	25.9
20	19.1	16.9	18.0	21.7	20.0	21.0	23.2	22.1	22.7	25.7	23.7	24.8
21	19.3	18.6	18.9	22.3	20.8	21.7	23.7	22.6	23.0	26.5	24.1	25.1
22	20.6	18.9	19.7	22.2	20.8	21.6	25.0	22.6	23.6	26.9	24.1	25.4
23	20.7	18.7	20.1	22.7	21.0	21.9	25.2	23.5	24.4	27.4	24.9	25.8
24	18.7	16.3	17.1	23.7	22.2	23.0	25.1	24.2	24.7	27.4	25.2	26.2
25	18.1	15.4	16.5	23.9	22.9	23.5	26.0	24.2	25.0	27.6	25.7	26.6
26	17.0	15.5	16.2	23.2	22.3	22.8	26.5	25.1	25.8	27.3	26.2	26.7
27	15.5	13.8	14.7	24.2	22.7	23.4	27.4	25.6	26.5	27.7	26.6	27.1
28	15.9	13.6	14.7	23.4	18.9	21.3	27.4	26.0	26.7	27.8	26.3	27.0
29	---	---	---	20.3	17.5	18.6	27.2	26.0	26.6	27.1	26.0	26.5
30	---	---	---	19.2	17.3	18.0	26.8	25.5	26.2	26.6	25.6	26.1
31	---	---	---	19.5	16.7	18.1	---	---	---	26.7	25.3	26.0
MONTH	21.5	8.1	15.2	24.2	12.2	18.2	27.4	16.7	22.6	29.2	23.5	26.3

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.6	25.6	26.6	32.0	30.5	31.1	28.5	27.5	27.9	---	---	---
2	28.0	26.4	27.2	31.2	29.8	30.5	27.5	26.1	26.8	---	---	---
3	28.8	26.7	27.8	32.2	29.7	30.7	28.1	26.0	27.0	---	---	---
4	29.8	27.6	28.8	31.9	30.2	31.0	30.0	27.6	28.8	---	---	---
5	29.5	28.1	28.7	31.2	29.8	30.3	29.6	28.6	29.2	---	---	---
6	29.5	27.9	28.5	30.6	29.3	29.9	30.3	28.7	29.4	---	---	---
7	29.2	28.0	28.6	30.0	28.4	29.4	30.6	29.2	29.9	---	---	---
8	30.5	28.3	29.3	28.8	28.2	28.5	30.6	29.2	29.8	30.8	28.9	29.7
9	30.8	28.9	29.9	28.8	27.9	28.3	30.0	28.7	29.3	30.8	29.0	29.8
10	30.0	28.8	29.4	28.5	27.6	28.0	29.8	28.5	29.2	30.3	28.9	29.5
11	29.3	28.4	28.8	28.0	26.9	27.5	30.0	28.4	29.2	29.5	28.3	28.9
12	28.6	28.0	28.3	28.5	26.9	27.7	29.6	28.8	29.1	29.0	28.1	28.4
13	30.4	27.7	29.0	28.3	27.0	27.7	29.9	28.5	29.1	29.1	27.8	28.4
14	30.4	28.7	29.6	28.6	27.2	27.8	30.3	28.9	29.5	28.3	27.4	27.9
15	30.9	29.3	30.0	29.6	27.5	28.4	31.0	29.0	29.8	27.4	26.6	27.0
16	32.2	29.4	30.6	31.2	28.7	29.6	30.3	28.8	29.5	28.0	26.5	27.2
17	31.7	29.9	30.6	31.4	29.6	30.3	30.1	28.7	29.3	28.8	27.1	27.9
18	30.4	29.2	29.8	31.5	29.6	30.3	30.1	28.5	29.1	29.1	27.7	28.3
19	29.5	28.2	29.0	30.4	29.5	29.9	30.3	28.7	29.4	28.7	27.1	27.8
20	30.4	27.6	28.8	30.8	29.1	29.9	30.5	29.2	29.8	28.3	26.8	27.5
21	30.2	28.2	29.2	30.8	29.4	30.0	29.7	28.4	29.0	27.8	26.7	27.2
22	29.5	28.0	29.0	30.1	28.6	29.2	---	---	---	27.6	26.7	27.1
23	28.0	26.2	27.1	30.2	28.2	29.1	---	---	---	27.3	25.9	26.6
24	26.9	26.2	26.5	30.3	28.5	29.2	---	---	---	27.2	25.3	26.1
25	28.1	26.0	27.0	30.7	28.6	29.7	---	---	---	26.2	24.6	25.5
26	29.0	27.3	28.1	30.3	29.1	29.8	---	---	---	25.2	24.0	24.6
27	29.5	27.8	28.7	29.4	27.9	28.6	---	---	---	26.1	24.0	24.8
28	30.5	28.2	29.4	29.4	26.9	28.2	---	---	---	27.0	24.8	25.7
29	31.2	28.6	29.9	30.4	27.5	28.7	---	---	---	27.2	25.6	26.3
30	32.2	29.2	30.5	30.7	28.3	29.1	---	---	---	27.2	26.0	26.5
31	---	---	---	29.2	27.9	28.4	---	---	---	---	---	---
MONTH	32.2	25.6	28.8	32.2	26.9	29.3	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA

LOCATION.—Lat 29 27' 23", long 90 1' 46", R. 22 E, T. 19 S, Lafourche Parish, Hydrologic Unit 08090301, on Tennessee Canal, 6.3 mi east northeast of Galliano.

DRAINAGE AREA.—Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1992 to current year.

GAGE.—Data logger collecting elevation, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.—Elevation affected by wind and tide. Missing records from Aug. 22 to Sept. 7 due to unit's power failure.

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 5.44 ft, Aug. 26, 1992; minimum, -0.61 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.—Maximum elevation recorded, 3.62 ft, Sept. 16; minimum elevation recorded, -0.17 ft, Dec. 27.

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.07	.65	.92	2.55	.32	1.54	1.06	.69	.85	1.97	.58	1.32
2	1.10	.74	.96	2.22	.53	1.30	1.24	.88	1.07	1.57	.40	.97
3	1.04	.59	.86	1.68	.62	1.03	1.58	1.11	1.33	1.49	.94	1.19
4	.98	.80	.90	1.17	.72	.93	1.64	1.19	1.39	1.85	.32	1.31
5	1.03	.85	.95	1.20	.84	1.00	2.10	.69	1.36	2.16	.07	1.27
6	1.05	.70	.92	1.57	.95	1.25	1.98	.72	1.45	1.30	.02	.60
7	1.14	.74	1.01	1.48	.41	.92	2.00	.69	1.36	1.90	.04	.56
8	1.37	1.07	1.25	1.18	.67	.88	1.71	.59	1.21	2.37	.59	1.74
9	1.39	.89	1.25	1.02	.75	.91	1.59	.61	1.10	2.48	.55	1.73
10	1.00	.52	.81	.97	.63	.80	1.70	.80	1.03	2.34	.60	1.53
11	1.03	.48	.73	1.14	.65	.86	2.19	.86	1.62	1.84	.49	1.22
12	.82	.50	.68	1.21	.65	.98	2.47	.66	1.61	1.55	.67	1.16
13	1.02	.70	.89	1.56	.98	1.25	1.73	.97	1.33	1.99	1.28	1.59
14	1.06	.85	.97	1.75	1.32	1.56	2.11	.98	1.57	2.17	.00	1.21
15	1.08	.66	.86	1.81	1.52	1.68	2.50	.70	1.67	1.92	.43	1.34
16	1.22	.45	1.01	1.78	1.20	1.49	2.66	.50	1.64	2.17	.78	1.46
17	1.32	.75	1.12	1.67	1.11	1.41	2.57	.49	1.58	2.49	.90	1.36
18	1.32	.87	1.18	1.27	.79	1.04	2.14	.38	1.24	2.84	1.45	2.32
19	1.30	.98	1.17	1.23	.82	1.02	1.78	1.26	1.54	2.96	1.32	2.31
20	1.37	1.02	1.22	1.13	.62	.87	1.55	.91	1.12	2.41	.52	1.67
21	1.50	.86	1.18	.85	.62	.72	2.22	.74	1.54	2.32	.34	1.52
22	1.44	.83	1.09	.97	.44	.70	2.55	1.73	1.98	2.28	.08	1.44
23	.83	.26	.53	.79	.43	.61	2.56	1.32	2.08	1.98	-.01	1.10
24	.69	.45	.59	.79	.42	.60	2.73	2.20	2.41	1.54	.11	.79
25	1.91	.53	1.26	.81	.39	.60	2.73	.23	1.71	1.40	.21	.70
26	1.90	1.68	1.78	.84	.37	.56	2.27	.12	1.43	1.53	.32	.90
27	1.77	1.43	1.57	1.10	.22	.56	1.87	-.17	.89	1.30	.56	.88
28	1.58	1.04	1.34	1.56	.13	.79	1.33	.05	.65	2.21	.73	1.53
29	1.90	1.38	1.53	1.18	.24	.67	2.00	.55	1.32	2.48	2.18	2.33
30	2.52	1.90	2.30	.87	.38	.63	2.62	.97	1.88	2.73	2.09	2.40
31	2.54	.73	1.82	—	—	—	2.70	.74	1.76	2.96	1.45	2.22
MONTH	2.54	.26	1.12	2.55	.13	.97	2.73	-.17	1.44	2.96	-.01	1.41

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.73	1.83	2.32	1.38	.96	1.20	1.45	.41	.84	2.04	1.67	1.79
2	2.80	1.07	2.13	1.94	1.38	1.63	1.26	.42	.76	1.80	1.47	1.65
3	2.86	.94	2.06	2.11	.08	1.16	.77	.32	.54	1.80	1.53	1.65
4	2.13	.87	1.37	1.17	-.10	.46	.74	.30	.56	1.53	1.11	1.30
5	1.07	-.07	.56	.72	-.11	.33	.89	.58	.69	1.28	.99	1.16
6	1.11	.15	.64	.80	.15	.42	1.54	.89	1.09	1.36	.98	1.17
7	1.17	.27	.81	.86	.41	.63	1.92	.64	1.21	1.45	1.12	1.29
8	1.18	.31	.71	.97	.55	.74	1.64	.84	1.08	1.46	1.09	1.28
9	.85	.42	.67	1.84	.85	1.06	1.27	.93	1.15	1.36	1.03	1.20
10	1.13	.59	.79	2.38	.58	1.58	1.38	1.15	1.28	1.41	1.07	1.24
11	2.49	.85	1.76	2.03	.26	1.07	1.67	1.38	1.55	1.44	1.01	1.24
12	2.22	.44	1.51	1.89	.50	1.06	1.94	1.50	1.63	1.44	1.03	1.23
13	2.25	1.61	1.84	1.47	.37	.83	1.60	1.26	1.43	1.49	1.02	1.27
14	2.68	1.00	1.93	.97	.35	.58	1.42	1.15	1.30	1.65	1.21	1.42
15	2.40	.88	1.73	.70	.42	.56	1.59	1.14	1.32	1.57	1.32	1.45
16	1.89	1.01	1.60	.71	.38	.55	1.73	1.35	1.55	1.51	1.21	1.36
17	1.90	.36	1.14	1.14	.60	.81	1.54	1.32	1.43	1.53	1.17	1.34
18	1.61	.52	1.12	.83	.55	.69	1.47	1.24	1.35	1.42	1.19	1.32
19	1.46	.82	1.19	.90	.54	.67	1.48	1.14	1.30	1.19	1.08	1.12
20	1.49	.80	1.18	1.02	.57	.75	1.41	1.19	1.28	1.27	1.02	1.15
21	1.42	.74	1.14	.99	.70	.84	1.42	1.23	1.31	1.41	1.08	1.26
22	1.47	.90	1.18	1.08	.79	.91	1.32	.93	1.17	1.31	.94	1.16
23	2.11	1.00	1.30	1.15	.77	.93	1.40	1.11	1.27	1.22	.82	1.03
24	2.64	.85	1.90	1.18	.72	.96	1.82	1.34	1.64	1.20	.76	.98
25	2.67	.60	1.52	1.05	.81	.93	1.91	1.55	1.74	1.25	.78	1.03
26	2.33	.87	1.71	1.16	.92	1.07	2.07	1.62	1.85	1.34	.89	1.13
27	2.84	.80	1.84	1.41	.93	1.17	2.07	1.66	1.87	1.39	.95	1.19
28	2.57	.85	1.61	1.99	1.36	1.54	2.13	1.65	1.89	1.58	1.05	1.29
29	---	---	---	2.18	.65	1.28	2.06	1.72	1.90	1.55	1.20	1.37
30	---	---	---	1.55	.54	.93	2.20	1.77	1.97	1.50	1.31	1.39
31	---	---	---	1.38	.43	.79	---	---	---	1.42	1.21	1.32
MONTH	2.86	-.07	1.40	2.38	-.11	.91	2.20	.30	1.33	2.04	.76	1.28
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.42	1.28	1.36	.94	.54	.76	1.12	.77	.94	1.57	1.09	1.30
2	1.46	1.22	1.34	1.19	.83	1.01	1.45	.79	1.17	1.62	.93	1.22
3	1.45	1.17	1.32	1.18	.66	1.01	1.64	1.24	1.46	1.61	.88	1.16
4	1.40	1.10	1.26	1.34	.95	1.15	1.51	1.17	1.35	1.41	.89	1.18
5	1.61	1.10	1.40	1.41	.98	1.21	1.40	1.08	1.23	1.64	1.08	1.36
6	1.71	1.32	1.54	1.23	.91	1.06	1.39	1.06	1.26	1.71	1.26	1.44
7	1.62	1.26	1.46	1.29	.89	1.12	1.34	1.06	1.21	1.76	1.24	1.38
8	1.63	1.19	1.38	1.52	1.10	1.34	1.46	1.03	1.26	2.69	1.22	1.93
9	1.50	1.19	1.35	1.54	1.14	1.35	1.56	1.26	1.42	3.08	1.38	2.23
10	1.50	1.09	1.31	1.57	1.20	1.39	1.48	1.26	1.35	3.20	1.43	2.49
11	1.40	1.09	1.26	1.71	1.25	1.47	1.57	1.28	1.39	3.20	2.00	2.63
12	1.40	1.03	1.22	1.71	1.38	1.52	1.56	1.29	1.41	3.29	1.92	2.69
13	1.37	1.04	1.22	1.55	1.36	1.44	1.79	1.29	1.49	3.24	2.06	2.67
14	1.37	1.07	1.23	1.42	1.24	1.35	1.59	1.17	1.40	3.48	2.37	2.93
15	1.37	1.11	1.24	1.39	1.10	1.25	1.59	1.13	1.38	3.62	3.08	3.36
16	1.16	.69	.99	1.30	.94	1.14	1.55	1.13	1.35	3.61	2.26	2.98
17	1.02	.71	.90	1.21	.82	1.04	1.91	1.14	1.41	3.09	1.63	2.38
18	1.05	.68	.87	1.07	.67	.91	1.77	1.09	1.40	2.83	1.44	2.19
19	1.35	.84	1.12	1.08	.66	.91	1.31	1.02	1.18	2.88	1.23	2.15
20	1.30	.77	1.08	1.12	.76	.95	1.29	1.00	1.18	2.93	1.05	1.99
21	1.18	.74	.96	1.11	.71	.93	1.35	1.06	1.23	2.81	1.59	2.30
22	1.29	.69	1.02	1.18	.72	.96	1.58	1.13	1.31	2.93	1.23	2.06
23	1.38	.90	1.16	1.03	.71	.89	1.49	1.03	1.17	3.06	1.39	2.40
24	1.33	.97	1.17	1.01	.67	.86	1.51	.99	1.16	3.50	1.06	2.36
25	1.31	.92	1.12	.85	.63	.75	1.36	1.03	1.14	3.26	1.43	2.43
26	1.04	.86	.95	.79	.60	.73	1.76	1.21	1.48	3.28	.91	2.19
27	.95	.77	.86	.79	.63	.72	2.08	1.21	1.56	3.09	.76	1.89
28	.90	.69	.80	.79	.63	.72	1.78	1.23	1.44	2.77	.73	1.74
29	.74	.58	.67	.90	.66	.77	1.53	1.14	1.35	2.73	.88	1.72
30	.80	.46	.65	.94	.69	.80	1.43	1.15	1.29	2.64	1.36	1.99
31	---	---	---	1.07	.76	.90	1.59	1.09	1.33	---	---	---
MONTH	1.71	.46	1.14	1.71	.54	1.05	2.08	.77	1.31	3.61	.73	2.09

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.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum daily, 20,100 microsiemens, Apr. 11, 1994; minimum daily, 939 microsiemens, Sept. 8, 1994.

WATER TEMPERATURES: Maximum daily, 35.3° C, July 27, 1993; minimum daily, 3.0° C, Mar. 13, 1993, Jan. 19, 1994.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum daily, 20,100 microsiemens, April 11; minimum daily, 939 microsiemens, Sept. 8.

WATER TEMPERATURE: Maximum daily, 35.3° C, June 16; minimum daily, 3.0° C, Jan. 19.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3150	1880	2450	2960	2250	2550	2200	1640	1930	1740	1350	1520
2	3710	2280	3150	3160	2260	2750	2040	1520	1730	1870	1250	1490
3	3680	2270	2920	3360	2640	3000	3340	1600	2110	2070	1360	1720
4	3150	2360	2800	3300	2800	3030	7060	2730	4000	2380	1670	2150
5	3260	2350	2850	3270	2560	2930	2910	2110	2590	2840	1650	2210
6	3060	2410	2710	2590	2050	2340	2680	2230	2410	2310	1540	1910
7	2820	2430	2620	2640	2090	2410	2670	2010	2320	2490	1380	2070
8	3250	2380	2740	2520	1750	2160	2880	2090	2620	2200	1350	1830
9	3730	2940	3280	2250	1680	1980	3200	2310	2920	1860	1240	1630
10	3350	2420	2830	2470	1660	2100	3490	2550	2990	1650	1090	1400
11	3090	2430	2850	2470	1520	2000	2740	2280	2580	1630	952	1240
12	3270	2630	2930	2180	1590	1880	2690	2240	2440	1670	1030	1370
13	3660	3020	3380	5300	2090	3830	2930	2330	2560	1420	1030	1220
14	3640	3310	3420	9420	3990	7780	2690	2230	2500	2080	1180	1640
15	3700	3120	3400	9770	6110	7980	2550	2080	2300	1970	1430	1710
16	3970	3530	3750	6530	4880	5560	2420	1930	2230	1800	1150	1330
17	4170	3740	4010	6650	4290	5630	2530	1760	2240	1740	1140	1360
18	4440	3970	4160	4500	3330	3930	2540	1690	2170	1470	1010	1240
19	4970	4170	4450	3970	2720	3410	2230	1580	1950	1390	1080	1220
20	9180	4920	6150	3500	2390	2820	1930	1430	1690	1400	1170	1280
21	7500	4790	6200	2650	2360	2550	2220	1690	1980	1780	1130	1400
22	5750	3430	4330	3020	2560	2770	2030	1370	1750	1840	1200	1480
23	4490	3240	4000	3200	2290	2800	2090	1410	1760	1920	1210	1470
24	5580	3830	4680	3140	2060	2780	1780	1390	1590	1870	1370	1530
25	5900	4270	4980	3060	1870	2450	2440	1550	1990	2040	1410	1720
26	4900	4530	4710	2750	1840	2200	2690	1840	2280	2750	1570	2120
27	4800	4260	4510	2600	1850	2210	2790	1570	2180	6890	2450	4290
28	4440	4140	4300	2970	1690	2260	2710	1630	2260	7430	2880	4550
29	4570	3490	4300	2900	1690	2310	2370	1600	1970	3140	1890	2530
30	3650	2440	3090	2770	1660	2230	2140	1380	1720	2430	1720	2140
31	2960	2200	2580	—	—	—	1930	1240	1620	2650	1760	2180
MONTH	9180	1880	3690	9770	1520	3150	7060	1240	2240	7430	952	1840

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2680	1890	2270	5800	4770	5350	6000	3420	5000	16200	11600	14300
2	2650	1890	2270	5610	4980	5400	6060	3490	4940	14500	10300	12600
3	2910	1910	2440	5640	4110	4890	6410	3880	5400	13400	8970	11200
4	2960	2310	2670	5130	3920	4650	5860	3350	4670	13500	10900	12200
5	3870	2730	3220	5070	2670	4030	11600	3190	6610	11700	9240	10600
6	3580	2390	2990	4270	2740	3650	7980	2980	4530	11900	9310	10500
7	4390	2560	3580	5270	3040	4450	6010	4710	5310	11600	7760	9610
8	8790	3240	5870	6140	3890	5190	5550	4380	4990	11300	6610	9120
9	10800	5570	9440	9350	3730	5690	6940	3270	4240	11200	6390	8590
10	12600	9410	11100	4540	3020	3690	17400	4350	9790	9880	6120	8140
11	9410	6900	7780	4600	3690	4150	20100	11200	15200	9080	6950	7870
12	7640	5520	6980	4300	3350	3790	18100	11400	15500	9350	5490	8270
13	6750	5120	5740	3920	3360	3580	13700	9180	11100	10800	7670	8710
14	5830	4580	5100	4310	2940	3730	12300	8970	10300	11800	6710	9290
15	5630	3460	4830	4730	2510	3400	14400	9380	12200	12500	6990	9270
16	5700	4240	5030	4290	2430	3420	14200	9220	11500	10900	6710	9200
17	5680	3970	4920	3480	2800	3170	10700	8910	9730	9720	4970	7570
18	5280	3860	4630	3750	3080	3480	10600	8690	9690	8080	5310	6960
19	6310	4380	5360	4280	3220	3750	10900	7700	9370	8200	4700	6960
20	6840	5140	6080	4530	3270	3950	10700	7090	9180	7620	3730	5570
21	6720	5220	6280	4440	3080	3980	8950	6690	8400	6120	3180	4530
22	10900	5400	7410	4260	3040	3620	9390	7420	8340	6200	3490	5050
23	12900	6450	9400	7130	3090	5070	9750	7070	8500	6790	3770	5270
24	7070	5500	6250	12500	3470	8370	10300	6690	8440	6860	3520	5430
25	7890	5370	6760	7310	5040	6250	14800	9050	11500	6700	4070	5330
26	6520	5420	5980	12600	3940	7970	18500	12600	15700	6360	4100	5270
27	6340	5020	5800	16000	8470	13300	17700	14900	16300	7370	4240	5380
28	6030	4800	5210	14600	7150	9880	17700	14500	16100	5480	2560	4170
29	---	---	---	7150	5270	6110	17700	15000	16000	4300	2640	3750
30	---	---	---	6750	4490	5520	17400	11800	15300	3970	2610	3430
31	---	---	---	6140	3990	5150	---	---	---	4190	2650	3380
MONTH	12900	1890	5550	16000	2430	5120	20100	2980	9790	16200	2560	7660

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	4060	2830	3360	4110	2430	3400	2590	1800	2190	2350	1630	1920
2	4240	2940	3610	4690	2150	3360	2810	1390	2090	2330	1500	1910
3	4430	3310	3870	5230	2410	3540	4350	1690	2780	2350	1540	1960
4	4870	3510	4170	6470	3070	4050	4380	2650	3440	2580	1510	1980
5	5260	2520	4240	5690	2250	4040	3720	1500	2700	2580	1410	1800
6	4590	2950	3660	4030	2590	3630	2930	2100	2450	2110	1150	1520
7	4520	3250	3750	4350	2840	3710	2810	1680	2410	2110	1030	1580
8	4620	2890	3910	6010	3220	4340	2940	1310	2350	2120	939	1530
9	5310	3020	4250	5760	2790	4180	2680	1290	1990	2070	1170	1550
10	5460	2910	4150	4660	3050	3630	3440	1690	2300	2240	1150	1630
11	4830	3150	3800	4560	2730	3690	3560	1390	2450	2160	1220	1570
12	5100	3060	3850	5030	2980	3680	3800	1240	2470	2040	1150	1540
13	4530	3050	3780	3800	2670	3110	2870	1210	2040	2180	1280	1720
14	4800	3090	4280	3340	2750	2980	2680	1140	1950	2050	1270	1670
15	4850	2970	4230	3350	2750	3090	2490	1190	1800	2010	1200	1460
16	5810	3650	4530	3530	2940	3170	2490	1390	1870	3200	1550	2220
17	6110	3700	4780	4030	2670	3190	3310	1420	2210	2480	1730	2130
18	5920	3820	4740	4010	2790	3210	3000	2130	2520	2310	1620	1940
19	4430	2220	3280	3650	2200	3040	2890	2140	2490	2540	1650	1930
20	4400	1930	3020	3570	2210	2730	2730	1450	2360	3250	1550	2050
21	5750	2960	4110	3900	2220	2990	3590	1530	2260	4420	2500	3610
22	5670	2810	4400	2890	2000	2380	2470	1560	2210	4490	3320	3780
23	5150	2530	3840	3050	2070	2540	2930	2200	2470	4350	3340	3650
24	4320	2910	3580	3350	1800	2450	3050	2040	2560	3990	3290	3710
25	3680	2910	3440	2620	2030	2330	2520	1350	1920	3930	2420	3590
26	4180	3520	3810	2600	2300	2460	2790	1270	1900	3450	2420	3140
27	5540	3300	4290	2970	2330	2670	2740	1460	2020	3870	3070	3540
28	4200	3360	3790	3010	2230	2600	2750	1520	2100	4170	3440	3760
29	4260	3730	3980	2900	1700	2440	2590	1710	2080	4820	3650	4070
30	4210	2840	3480	2990	1680	2420	2310	1750	2040	4980	3860	4460
31	---	---	---	3010	1430	2250	2360	1200	1840	---	---	---
MONTH	6110	1930	3930	6470	1430	3140	4380	1140	2270	4980	939	2430

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	28.5	23.1	25.3	14.7	8.5	11.3	19.2	13.6	16.4	12.8	8.5	10.5
2	30.7	24.1	27.0	17.4	9.7	13.5	21.5	16.6	18.6	15.8	12.0	13.9
3	32.1	25.5	28.8	20.3	13.9	17.1	21.4	18.8	19.9	15.1	9.4	12.0
4	31.6	26.6	28.9	22.2	17.8	20.0	21.0	16.9	19.9	10.0	6.6	8.5
5	31.1	26.9	28.8	23.7	21.0	22.1	17.9	14.2	16.3	10.9	4.2	7.4
6	29.4	25.8	27.3	22.1	11.1	16.6	17.1	14.5	15.9	15.2	8.6	11.0
7	28.7	25.4	26.8	12.9	7.6	10.9	16.6	12.8	14.9	18.3	10.8	14.9
8	27.9	24.4	26.0	12.4	10.0	11.5	17.4	14.6	15.7	10.8	5.8	8.1
9	29.0	25.6	27.1	13.1	12.2	12.5	19.2	15.4	17.2	11.6	5.1	8.1
10	26.7	23.0	25.1	15.8	11.9	13.7	18.6	17.0	18.1	12.2	7.1	9.7
11	25.6	21.5	23.4	20.4	13.9	16.3	17.0	14.0	15.8	14.6	11.0	12.9
12	25.0	21.2	23.4	21.2	16.7	19.0	15.2	11.0	12.9	14.6	13.1	13.8
13	23.6	22.7	23.1	24.6	20.5	22.5	17.0	13.0	14.9	13.4	9.5	11.1
14	24.5	22.5	23.5	25.8	22.9	24.2	15.4	12.8	14.1	15.2	8.0	11.4
15	27.1	23.0	24.9	24.8	21.3	23.6	14.5	9.5	12.4	14.2	10.5	12.4
16	29.7	25.2	27.2	23.5	20.8	22.2	14.5	8.8	11.9	13.6	8.5	11.5
17	30.5	26.0	28.1	23.1	19.1	21.7	15.3	10.2	13.3	16.4	10.6	14.2
18	30.1	26.4	28.0	20.2	16.5	18.6	17.7	12.2	15.0	10.6	5.7	7.9
19	30.5	26.3	27.9	21.7	18.2	19.8	15.7	13.7	14.2	6.8	3.0	4.8
20	29.8	26.4	27.9	20.7	12.3	16.6	18.5	13.7	16.0	13.5	4.5	8.5
21	28.4	24.9	26.5	14.3	10.9	12.7	15.7	10.9	13.2	13.2	7.5	10.7
22	24.9	17.9	21.1	17.1	11.2	14.0	12.5	8.1	11.0	13.9	7.4	10.4
23	20.2	17.2	18.7	19.0	13.6	15.6	10.2	7.3	8.4	15.6	8.9	11.6
24	22.5	19.3	20.7	20.9	16.0	18.0	8.7	5.6	6.8	18.1	11.9	14.6
25	23.3	21.0	22.0	20.6	16.6	18.3	11.5	3.6	7.4	20.9	14.7	17.5
26	25.3	21.0	23.2	19.0	15.6	17.3	12.9	7.4	9.6	22.6	17.2	19.4
27	25.3	21.4	23.3	15.6	11.3	12.8	16.2	9.4	12.5	21.5	18.7	20.0
28	23.6	19.4	21.6	14.8	8.2	11.6	20.1	12.8	16.4	20.7	14.1	18.2
29	23.0	21.5	22.2	17.3	10.8	13.9	17.3	10.1	14.2	14.2	9.5	11.5
30	22.4	9.1	16.0	18.2	13.3	15.6	11.8	6.9	9.5	10.0	7.0	8.7
31	12.9	6.3	9.5	—	—	—	10.4	6.5	9.0	11.6	5.7	8.6
MONTH	32.1	6.3	24.3	25.8	7.6	16.8	21.5	3.6	13.9	22.6	3.0	11.7

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	5.4	7.3	20.7	17.2	18.4	19.9	13.5	16.9	25.9	23.8	25.1
2	10.0	5.4	7.5	18.3	10.9	14.6	20.9	15.4	18.1	25.1	22.7	23.8
3	10.8	6.0	8.6	15.7	8.3	11.7	23.6	17.5	20.4	26.1	23.4	24.6
4	16.2	10.1	12.4	16.7	11.5	14.4	22.7	16.8	19.9	26.5	21.9	24.5
5	21.9	15.6	18.2	18.7	13.6	16.3	25.5	19.8	22.3	28.3	21.8	25.0
6	23.9	17.7	20.3	19.6	16.0	17.8	23.0	15.6	20.1	28.8	22.5	25.9
7	22.4	19.7	20.8	24.8	17.6	20.8	21.1	13.7	16.9	29.0	24.9	26.7
8	25.6	20.1	22.4	25.6	20.3	22.7	23.6	16.1	20.0	28.4	25.5	26.7
9	24.3	21.0	22.4	22.3	13.3	19.7	25.5	18.9	22.3	30.0	25.8	27.9
10	25.7	17.7	22.7	16.0	9.2	12.4	28.1	22.7	25.0	29.2	25.8	27.6
11	17.7	12.0	15.1	17.6	9.5	13.7	27.4	23.4	25.3	30.9	25.8	28.3
12	18.9	13.6	16.1	20.3	11.9	16.3	26.1	23.4	24.7	33.2	26.5	29.6
13	16.2	11.3	14.8	19.5	14.6	17.2	23.4	20.7	21.8	32.2	26.6	29.2
14	11.7	6.7	9.7	20.5	15.9	18.3	25.8	20.3	23.2	29.6	26.5	28.0
15	15.1	9.7	12.7	18.9	17.3	18.1	26.9	24.0	25.4	31.9	26.2	28.9
16	15.7	12.9	14.1	18.5	16.7	17.5	24.9	20.8	23.3	30.7	27.5	29.3
17	20.5	13.1	15.8	22.1	13.8	17.6	21.2	18.6	20.0	29.0	25.5	27.4
18	22.0	15.5	18.4	23.1	16.4	19.7	23.1	19.2	21.0	28.6	23.8	26.1
19	21.5	17.4	19.5	25.7	19.3	22.1	25.9	20.8	22.9	26.5	21.7	24.5
20	22.3	18.7	20.6	26.7	21.2	23.9	25.6	21.7	23.5	26.7	19.6	23.6
21	21.9	19.9	20.9	24.5	21.8	23.0	24.9	22.0	23.4	28.7	22.0	25.5
22	23.7	19.4	21.4	23.1	20.7	21.9	27.6	22.5	25.0	29.5	23.8	26.7
23	22.8	15.9	20.4	25.7	20.8	23.1	29.6	25.4	27.2	30.4	24.6	27.5
24	16.7	11.5	14.4	27.0	23.4	25.1	26.8	23.8	25.2	31.5	24.7	27.9
25	19.5	12.5	15.7	25.6	22.7	24.6	27.4	23.7	25.6	31.5	25.1	28.0
26	19.0	14.0	16.3	23.9	21.0	22.4	29.0	24.5	26.7	30.4	24.6	27.4
27	16.0	10.2	13.7	26.5	22.4	24.1	29.7	25.7	27.5	31.1	25.7	28.2
28	18.0	10.8	14.7	23.7	14.1	18.8	29.4	25.1	27.3	30.4	25.6	27.3
29	—	—	—	19.5	11.6	15.1	28.3	25.3	26.8	27.7	24.5	26.1
30	—	—	—	21.4	14.8	18.2	27.3	24.7	26.1	26.3	24.6	25.6
31	—	—	—	19.1	15.0	17.5	—	—	—	28.0	24.1	25.9
MONTH	25.7	5.4	16.3	27.0	8.3	18.9	29.7	13.5	23.1	33.2	19.6	26.7

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29.8	24.6	27.3	34.9	30.7	32.6	28.8	27.0	27.8	33.2	28.9	30.6
2	31.0	26.7	28.7	33.2	29.0	31.2	27.2	24.4	25.5	32.5	28.3	30.1
3	32.3	27.8	29.9	34.5	29.3	31.3	30.3	24.2	27.2	32.0	27.6	29.7
4	31.7	27.9	29.7	34.1	29.7	31.6	32.8	28.0	30.4	32.5	28.0	29.8
5	31.3	27.6	29.2	30.9	28.9	29.9	33.0	29.3	30.7	31.6	26.9	29.1
6	30.8	27.3	28.7	32.1	28.2	30.2	32.4	28.3	30.2	31.6	27.6	29.6
7	30.6	27.6	29.1	30.4	26.9	29.0	33.8	28.2	30.7	33.5	28.8	30.8
8	32.8	27.6	30.1	28.0	26.1	27.0	33.3	29.1	30.8	33.7	29.4	31.2
9	33.3	28.7	30.8	28.6	26.2	27.5	32.0	28.2	30.0	32.8	28.6	30.6
10	31.1	28.3	29.6	29.5	26.4	27.5	31.8	27.8	29.6	31.7	28.2	29.6
11	30.7	26.9	28.5	28.7	25.9	27.1	32.0	27.9	29.8	29.8	27.5	28.5
12	29.8	26.8	28.4	31.5	26.0	28.0	31.2	28.3	29.8	29.4	26.8	27.8
13	32.9	27.1	30.1	29.4	26.5	28.0	31.7	27.7	29.6	29.4	26.2	27.9
14	33.5	28.2	30.9	29.3	27.0	28.2	32.7	28.7	30.5	28.4	25.9	27.3
15	33.5	28.4	30.8	32.4	27.4	29.6	32.7	28.8	30.7	26.7	25.4	26.1
16	35.3	28.6	31.4	34.5	29.6	31.5	31.6	28.4	30.1	29.0	25.6	27.2
17	33.4	28.8	31.2	33.6	30.2	31.9	30.7	27.7	29.3	31.2	26.7	28.9
18	32.4	26.8	29.4	34.9	30.3	32.2	32.2	27.7	29.9	30.2	27.1	28.6
19	30.4	27.2	28.8	32.5	29.9	31.0	32.7	28.8	30.5	28.6	25.2	27.1
20	32.5	26.0	28.9	31.9	28.5	30.3	32.7	28.7	30.4	29.3	24.6	26.8
21	32.5	27.9	30.1	34.1	28.6	31.2	29.4	27.6	28.7	28.6	26.2	27.3
22	29.3	27.1	28.3	31.3	27.9	29.2	29.7	26.6	28.0	30.0	25.9	27.8
23	27.1	24.3	25.7	31.4	26.5	28.8	29.8	27.1	28.3	27.7	24.8	26.5
24	26.6	24.2	25.0	33.7	27.8	30.3	32.3	28.1	29.8	29.0	23.3	26.0
25	30.6	25.5	27.7	32.0	28.2	30.2	32.6	28.9	30.5	27.7	23.1	25.4
26	30.2	27.1	28.7	31.3	28.8	29.9	29.5	27.0	27.9	27.7	22.4	24.8
27	30.8	27.4	29.1	29.3	26.5	27.9	31.1	26.2	28.4	29.7	23.0	26.3
28	31.5	27.7	29.7	31.7	26.3	28.5	32.9	27.4	30.1	30.2	25.4	27.6
29	32.1	28.5	29.9	32.9	27.0	30.1	34.5	29.6	31.7	29.3	25.3	27.6
30	33.9	29.2	31.5	33.2	28.7	30.9	32.8	29.4	30.9	28.3	25.3	27.0
31	---	---	---	30.5	27.4	28.7	31.3	29.0	30.0	---	---	---
MONTH	35.3	24.2	29.2	34.9	25.9	29.7	34.5	24.2	29.6	33.7	22.4	28.1

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 (levels by Louisiana Department of Transportation and Development).

REMARKS.—No estimated daily discharges. Records fair. 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.

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 8.76 ft, May 9, 1991; minimum, 0.82 ft, Dec. 2, 1966.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	238	211	186	221	343	290	342	558	240	176	264
2	210	182	213	185	232	335	293	338	467	245	188	221
3	220	157	223	184	216	229	297	347	349	220	205	203
4	218	149	241	172	218	223	292	326	251	238	215	193
5	206	155	208	167	227	244	282	314	265	247	221	192
6	212	159	210	167	233	254	291	316	240	257	264	188
7	210	150	224	176	238	262	280	325	234	262	228	177
8	203	152	228	179	238	259	288	334	233	272	203	173
9	236	162	217	176	235	341	295	312	230	333	202	202
10	266	163	222	177	252	319	294	298	227	356	186	207
11	269	151	233	177	262	274	289	312	224	338	179	267
12	253	149	218	176	235	263	325	317	248	286	177	237
13	243	150	244	213	253	263	306	323	244	285	180	211
14	243	150	286	195	252	264	288	334	224	303	183	173
15	247	176	225	174	249	260	295	328	219	309	187	199
16	255	242	223	162	240	261	469	316	219	254	196	363
17	253	209	234	236	238	259	312	361	243	226	189	282
18	250	182	243	254	247	270	231	353	288	222	192	231
19	242	152	248	207	255	273	240	327	279	206	187	206
20	229	144	231	190	265	273	260	324	287	199	188	197
21	304	137	199	188	265	273	283	310	279	205	188	182
22	256	133	222	188	251	265	223	307	253	233	192	173
23	227	135	245	191	244	272	224	295	304	393	195	165
24	215	142	235	190	230	279	297	273	299	381	204	157
25	206	146	229	187	237	281	318	276	262	297	228	157
26	197	153	218	162	247	281	302	279	217	272	239	156
27	185	158	207	144	244	292	304	283	211	332	249	164
28	185	179	194	188	244	309	312	315	207	308	260	152
29	308	202	204	185	---	295	321	635	211	225	262	142
30	558	209	194	187	---	295	335	641	216	199	266	131
31	357	---	186	197	---	291	---	530	---	186	276	---
TOTAL	7668	4966	6915	5760	6768	8602	8836	10691	7988	8329	6505	5965
MEAN	247	166	223	186	242	277	295	345	266	269	210	199
MAX	558	242	286	254	265	343	469	641	558	393	276	363
MIN	185	133	186	144	216	223	223	273	207	186	176	131

MISSISSIPPI RIVER DELTA
07381000 BAYOU LAFOURCHE AT THIBODAUX, LA--Continued
ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.30	5.42	5.35	5.28	5.38	5.67	5.56	5.68	5.79	5.43	5.30	5.53
2	5.32	5.27	5.35	5.28	5.41	5.66	5.57	5.68	5.59	5.44	5.33	5.42
3	5.34	5.19	5.38	5.27	5.36	5.40	5.58	5.69	5.33	5.37	5.38	5.38
4	5.34	5.17	5.43	5.24	5.37	5.38	5.56	5.65	5.09	5.42	5.41	5.35
5	5.30	5.18	5.34	5.22	5.39	5.44	5.54	5.62	5.12	5.45	5.42	5.34
6	5.31	5.20	5.35	5.22	5.41	5.46	5.56	5.62	5.06	5.47	5.53	5.33
7	5.31	5.17	5.38	5.25	5.42	5.49	5.53	5.64	5.04	5.49	5.44	5.30
8	5.29	5.18	5.40	5.26	5.42	5.48	5.55	5.66	5.04	5.51	5.38	5.29
9	5.37	5.21	5.36	5.25	5.41	5.67	5.57	5.61	5.03	5.66	5.37	5.37
10	5.46	5.21	5.38	5.25	5.46	5.63	5.57	5.58	5.02	5.72	5.33	5.39
11	5.46	5.17	5.41	5.25	5.49	5.52	5.56	5.61	5.01	5.67	5.31	5.54
12	5.42	5.17	5.37	5.25	5.41	5.49	5.64	5.62	5.08	5.55	5.30	5.46
13	5.40	5.17	5.43	5.35	5.46	5.49	5.60	5.64	5.07	5.54	5.31	5.40
14	5.39	5.17	5.55	5.30	5.46	5.49	5.55	5.67	5.01	5.59	5.32	5.29
15	5.40	5.25	5.39	5.24	5.45	5.48	5.57	5.65	5.00	5.60	5.33	5.36
16	5.42	5.43	5.38	5.20	5.43	5.48	5.97	5.62	5.00	5.46	5.36	5.75
17	5.41	5.34	5.41	5.41	5.42	5.48	5.61	5.73	5.07	5.39	5.34	5.57
18	5.41	5.26	5.43	5.46	5.45	5.51	5.40	5.71	5.18	5.38	5.34	5.45
19	5.38	5.18	5.45	5.34	5.47	5.51	5.43	5.65	5.16	5.33	5.33	5.38
20	5.35	5.15	5.40	5.29	5.49	5.51	5.48	5.64	5.18	5.32	5.33	5.36
21	5.55	5.13	5.32	5.28	5.49	5.52	5.54	5.55	5.16	5.33	5.33	5.32
22	5.43	5.12	5.38	5.28	5.46	5.49	5.38	5.45	5.09	5.41	5.35	5.29
23	5.36	5.12	5.44	5.29	5.44	5.51	5.38	5.28	5.22	5.79	5.35	5.27
24	5.33	5.14	5.41	5.29	5.40	5.53	5.57	5.15	5.21	5.79	5.37	5.25
25	5.31	5.16	5.40	5.28	5.42	5.53	5.63	5.15	5.12	5.61	5.44	5.25
26	5.29	5.18	5.37	5.20	5.45	5.53	5.59	5.16	5.00	5.55	5.47	5.25
27	5.26	5.19	5.34	5.15	5.44	5.56	5.59	5.17	4.98	5.68	5.49	5.27
28	5.26	5.26	5.30	5.28	5.44	5.60	5.61	5.24	4.97	5.63	5.52	5.24
29	5.57	5.32	5.33	5.28	---	5.57	5.63	5.93	4.98	5.43	5.52	5.21
30	6.16	5.34	5.30	5.28	---	5.57	5.67	5.96	5.21	5.36	5.54	5.17
31	5.72	---	5.28	5.31	---	5.56	---	5.73	---	5.33	5.56	---
MAX	6.16	5.43	5.55	5.46	5.49	5.67	5.97	5.96	5.79	5.79	5.56	5.75
MIN	5.26	5.12	5.28	5.15	5.36	5.38	5.38	5.15	4.97	5.32	5.30	5.17

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 3 pile platform 8.0 mi west of Galliano.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. -11.27 ft gage datum.

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.49 ft, Sept. 16, 1994; minimum gage height, 10.60 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.--Water year 1993: Maximum gage height, 13.06 ft, Nov. 22; minimum gage height, 10.60 ft, Mar. 14.

Water year 1994: Maximum gage height, 13.49 ft, Sept. 16; minimum gage height, 10.88 ft, Jan. 8.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR AUGUST 1992 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
	AUGUST			SEPTEMBER		
1	--	--	--	--	--	--
2	--	--	--	--	--	--
3	--	--	--	--	--	--
4	--	--	--	--	--	--
5	--	--	--	--	--	--
6	--	--	--	--	--	--
7	--	--	--	--	--	--
8	--	--	--	--	--	--
9	--	--	--	--	--	--
10	--	--	--	--	--	--
11	--	--	--	--	--	--
12	--	--	--	--	--	--
13	--	--	--	--	--	--
14	--	--	--	--	--	--
15	--	--	--	--	--	--
16	--	--	--	--	--	--
17	--	--	--	--	--	--
18	--	--	--	--	--	--
19	--	--	--	13.06	12.85	12.99
20	--	--	--	12.91	12.74	12.84
21	--	--	--	12.91	12.74	12.84
22	--	--	--	12.91	12.77	12.84
23	--	--	--	12.77	12.40	12.59
24	--	--	--	12.46	12.33	12.39
25	--	--	--	12.66	12.37	12.48
26	--	--	--	12.72	12.63	12.67
27	--	--	--	12.66	12.53	12.60
28	--	--	12.70	12.52	12.62	
29	--	--	--	12.56	12.30	12.44
30	--	--	--	--	--	--
31	--	--	--	--	--	--
MONTH	--	--	--	--	--	--

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA—Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	12.85	12.44	12.66	11.91	11.78	11.84	11.84	11.60	11.70
2	12.47	12.27	12.39	12.86	12.62	12.77	11.96	11.72	11.83	11.86	11.51	11.64
3	12.72	12.41	12.62	12.73	12.62	12.67	12.00	11.75	11.83	12.15	11.79	11.92
4	12.98	12.71	12.88	13.01	12.72	12.90	12.21	11.96	12.05	12.43	12.15	12.23
5	12.84	12.58	12.75	12.77	12.29	12.52	12.24	11.91	12.05	12.49	12.27	12.38
6	12.58	12.43	12.51	12.29	11.95	12.07	12.23	11.89	12.01	12.36	12.13	12.24
7	12.54	12.42	12.48	11.99	11.73	11.83	12.34	12.15	12.24	12.29	12.14	12.21
8	12.54	12.44	12.49	11.96	11.75	11.84	12.23	11.96	12.07	12.39	12.21	12.31
9	12.52	12.35	12.42	12.07	11.89	11.96	12.34	12.08	12.17	12.41	12.26	12.33
10	12.59	12.41	12.48	12.19	12.04	12.11	12.39	12.17	12.28	12.40	12.22	12.30
11	12.64	12.33	12.50	12.51	12.19	12.40	12.27	11.99	12.12	12.54	12.40	12.47
12	12.33	12.14	12.23	12.62	12.46	12.57	12.14	11.91	12.03	12.56	12.38	12.49
13	12.39	12.28	12.34	12.46	12.03	12.22	12.08	11.88	11.98	12.38	11.98	12.17
14	12.49	12.37	12.42	12.16	11.94	12.05	12.13	11.96	12.06	11.98	11.78	11.87
15	12.56	12.40	12.48	12.11	11.92	12.01	12.45	12.13	12.36	12.02	11.89	11.94
16	12.60	12.41	12.52	12.07	11.83	11.97	12.48	12.39	12.43	12.11	11.84	11.94
17	12.51	12.29	12.43	12.08	11.88	11.99	12.45	12.18	12.31	12.20	11.99	12.08
18	12.38	12.13	12.29	12.22	11.98	12.12	12.23	12.03	12.10	12.21	12.04	12.13
19	12.24	12.06	12.15	12.46	12.22	12.31	12.49	12.18	12.28	12.33	12.06	12.18
20	12.41	12.09	12.29	12.94	12.46	12.72	12.51	12.34	12.43	12.45	12.31	12.37
21	12.48	12.31	12.41	12.97	12.78	12.88	12.46	12.24	12.34	12.58	12.41	12.50
22	12.57	12.39	12.50	13.06	12.86	12.96	12.43	12.26	12.34	12.49	12.27	12.39
23	12.52	12.44	12.48	12.92	12.61	12.75	12.42	12.21	12.31	12.43	12.26	12.35
24	12.56	12.39	12.48	12.73	12.59	12.67	12.30	11.93	12.10	12.49	12.11	12.33
25	12.58	12.43	12.51	12.77	12.52	12.65	12.13	11.98	12.07	12.11	11.86	11.95
26	12.62	12.46	12.55	12.56	12.24	12.39	12.23	11.96	12.10	11.97	11.63	11.81
27	12.67	12.53	12.60	12.26	11.93	12.10	12.18	12.01	12.09	11.86	11.60	11.70
28	12.72	12.54	12.63	12.07	11.83	11.94	12.18	12.02	12.09	11.85	11.75	11.81
29	12.69	12.51	12.60	11.96	11.75	11.86	12.13	11.96	12.04	11.79	11.57	11.66
30	12.66	12.48	12.58	11.92	11.75	11.84	12.04	11.88	11.96	11.70	11.40	11.53
31	12.61	12.41	12.52	---	---	---	11.94	11.76	11.84	11.83	11.53	11.65
MONTH	12.98	12.06	12.48	13.06	11.73	12.32	12.51	11.72	12.12	12.58	11.40	12.08
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.85	11.61	11.73	12.16	11.70	11.90	12.38	12.13	12.25	12.69	12.52	12.64
2	11.89	11.66	11.77	12.58	11.94	12.22	12.26	11.84	11.97	12.79	12.61	12.70
3	12.02	11.76	11.86	12.59	12.35	12.49	11.86	11.71	11.77	12.78	12.64	12.72
4	12.11	11.89	11.99	12.48	12.37	12.43	12.06	11.77	11.95	12.66	12.57	12.62
5	12.20	12.03	12.11	12.49	12.11	12.25	12.07	11.87	11.99	12.63	12.51	12.57
6	12.13	11.83	11.96	12.27	11.84	12.00	12.03	11.84	11.94	12.56	12.47	12.51
7	11.89	11.68	11.78	12.00	11.79	11.91	12.21	11.88	12.04	12.54	12.39	12.46
8	11.89	11.73	11.82	12.03	11.84	11.93	12.41	12.01	12.17	12.61	12.43	12.50
9	11.94	11.81	11.90	11.98	11.77	11.90	12.42	12.27	12.34	12.65	12.46	12.55
10	12.47	11.89	12.16	12.07	11.74	11.88	12.36	12.20	12.28	12.68	12.48	12.56
11	12.68	12.26	12.46	11.94	11.55	11.73	12.33	12.19	12.27	12.73	12.49	12.60
12	12.67	12.34	12.48	11.68	11.32	11.48	12.30	12.14	12.21	12.49	12.36	12.43
13	12.36	12.04	12.18	11.44	10.62	10.95	12.31	12.08	12.18	12.51	12.28	12.39
14	12.28	11.93	12.10	11.31	10.60	10.96	12.62	12.26	12.36	12.29	12.15	12.20
15	12.31	11.93	12.07	11.58	10.93	11.19	12.61	12.36	12.50	12.21	12.13	12.16
16	12.49	12.24	12.33	12.23	11.58	11.94	12.36	12.10	12.20	12.28	12.16	12.23
17	12.39	11.90	12.06	12.23	11.86	12.05	12.10	11.95	12.02	12.27	12.16	12.22
18	12.13	11.65	11.81	11.88	11.69	11.78	11.97	11.85	11.91	12.39	12.18	12.31
19	11.95	11.50	11.72	11.94	11.77	11.86	12.19	11.85	12.05	12.43	12.31	12.39
20	12.13	11.83	11.99	11.95	11.78	11.85	12.41	12.18	12.33	12.31	12.20	12.24
21	12.41	12.03	12.22	11.86	11.76	11.80	12.34	11.88	12.10	12.28	12.16	12.22
22	12.54	12.18	12.35	12.09	11.83	11.93	11.88	11.72	11.80	12.36	12.14	12.25
23	12.26	11.91	12.05	12.02	11.85	11.93	12.08	11.75	11.92	12.53	12.26	12.39
24	12.22	11.91	12.06	11.92	11.84	11.88	12.25	12.00	12.13	12.71	12.42	12.53
25	12.48	12.08	12.28	12.09	11.81	11.96	12.35	12.13	12.23	12.68	12.55	12.62
26	12.28	12.05	12.19	12.09	11.98	12.03	12.33	12.06	12.17	12.64	12.50	12.58
27	12.23	11.86	12.00	12.03	11.90	11.97	12.13	11.91	12.01	12.58	12.45	12.53
28	12.13	11.86	11.99	12.06	11.89	11.97	12.26	11.95	12.13	12.57	12.48	12.54
29	---	---	---	12.11	11.88	11.99	12.38	12.14	12.25	12.55	12.48	12.51
30	---	---	---	12.44	12.01	12.13	12.52	12.30	12.38	12.52	12.43	12.48
31	---	---	---	12.39	12.26	12.33	---	---	---	12.46	12.34	12.43
MONTH	12.68	11.50	12.05	12.59	10.60	11.89	12.62	11.71	12.13	12.79	12.13	12.45

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.34	12.09	12.22	12.41	12.27	12.35	12.13	11.94	12.04	12.25	12.13	12.18
2	12.33	12.08	12.22	12.31	12.19	12.24	12.21	11.99	12.11	12.56	12.22	12.35
3	12.45	12.25	12.36	12.27	12.11	12.18	12.25	12.08	12.17	12.60	12.46	12.54
4	12.53	12.35	12.44	12.41	12.09	12.26	12.25	12.13	12.19	12.54	12.32	12.42
5	12.54	12.42	12.48	12.43	12.30	12.37	12.28	12.14	12.21	12.40	12.29	12.34
6	12.49	12.35	12.40	12.41	12.29	12.36	12.40	12.24	12.31	12.52	12.33	12.44
7	12.47	12.29	12.38	12.36	12.27	12.31	12.49	12.34	12.40	12.55	12.43	12.48
8	12.54	12.37	12.45	12.27	12.06	12.14	12.38	12.18	12.31	12.56	12.40	12.49
9	12.54	12.44	12.50	12.16	12.00	12.09	12.24	12.06	12.17	12.53	12.40	12.47
10	12.51	12.39	12.44	12.27	12.13	12.19	12.20	12.06	12.13	12.56	12.41	12.50
11	12.41	12.28	12.33	12.18	12.02	12.11	12.21	12.04	12.13	12.48	12.28	12.41
12	12.30	12.14	12.21	12.21	12.02	12.14	12.27	12.04	12.17	12.50	12.26	12.40
13	12.20	12.06	12.15	12.31	12.11	12.23	12.33	12.13	12.24	12.72	12.42	12.58
14	12.11	11.96	12.06	12.41	12.19	12.31	12.31	12.14	12.23	13.03	12.67	12.86
15	12.15	11.96	12.07	12.36	12.20	12.27	12.32	12.13	12.22	12.99	12.72	12.86
16	12.31	12.03	12.19	12.30	12.15	12.22	12.23	12.12	12.17	12.72	12.46	12.57
17	12.48	12.18	12.34	12.37	12.11	12.22	12.17	12.01	12.07	12.46	12.33	12.40
18	12.71	12.38	12.55	12.33	12.14	12.24	12.14	11.96	12.05	12.53	12.42	12.48
19	12.93	12.59	12.76	12.33	12.15	12.24	12.18	12.04	12.09	12.74	12.53	12.67
20	13.04	12.79	12.92	12.24	12.13	12.19	12.19	12.11	12.14	12.88	12.69	12.80
21	13.00	12.85	12.91	12.19	12.04	12.10	12.18	12.03	12.12	12.88	12.69	12.80
22	12.91	12.76	12.82	12.13	11.99	12.07	12.22	12.09	12.15	12.82	12.64	12.74
23	12.96	12.70	12.86	12.14	12.02	12.07	12.21	11.99	12.12	12.74	12.58	12.68
24	12.87	12.74	12.79	12.09	11.94	12.02	12.15	11.91	12.05	12.68	12.55	12.62
25	12.74	12.54	12.63	12.11	11.93	12.01	12.08	11.83	11.98	12.69	12.54	12.63
26	12.54	12.34	12.46	12.11	11.90	12.00	12.21	11.83	12.06	12.78	12.59	12.69
27	12.39	12.30	12.35	12.18	11.90	12.06	12.37	12.08	12.25	12.67	12.20	12.45
28	12.48	12.29	12.40	12.23	11.98	12.12	12.34	12.21	12.27	12.20	12.01	12.08
29	12.52	12.36	12.45	12.21	12.02	12.12	12.38	12.19	12.28	12.61	12.14	12.30
30	12.49	12.36	12.43	12.19	12.00	12.10	12.29	12.21	12.25	12.33	12.23	12.27
31	---	---	---	12.16	11.99	12.07	12.26	12.14	12.20	---	---	---
MONTH	13.04	11.96	12.45	12.43	11.90	12.17	12.49	11.83	12.17	13.03	12.01	12.52

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.50	12.31	12.39	12.09	11.81	11.95	12.06	11.91	11.99	11.76	11.47	11.63
2	12.58	12.40	12.49	11.95	11.74	11.85	12.31	12.01	12.17	11.93	11.76	11.84
3	12.46	12.28	12.37	12.07	11.91	11.99	12.54	12.31	12.47	11.97	11.70	11.85
4	12.44	12.28	12.36	12.27	12.06	12.20	12.73	12.51	12.63	11.70	11.32	11.49
5	12.46	12.32	12.39	12.41	12.24	12.36	12.51	12.17	12.32	11.46	11.07	11.22
6	12.51	12.34	12.42	12.41	11.86	12.16	12.24	11.97	12.11	11.71	11.41	11.52
7	12.51	12.35	12.44	11.86	11.56	11.69	12.04	11.79	11.89	11.71	11.43	11.60
8	12.63	12.41	12.55	11.95	11.78	11.89	12.09	11.86	11.96	11.43	10.88	11.12
9	12.76	12.57	12.68	11.99	11.86	11.93	12.20	11.96	12.06	11.42	11.10	11.26
10	12.58	12.26	12.43	12.08	11.81	11.91	12.30	12.09	12.18	11.52	11.28	11.41
11	12.42	12.26	12.35	12.29	12.06	12.14	12.33	12.05	12.18	---	---	---
12	12.51	12.33	12.44	12.56	12.29	12.38	12.16	11.93	12.04	---	---	---
13	12.82	12.50	12.67	12.78	12.56	12.65	12.55	12.11	12.33	11.85	11.64	11.73
14	12.82	12.59	12.70	12.94	12.78	12.86	12.62	12.29	12.47	11.82	11.57	11.70
15	12.64	12.49	12.56	12.97	12.78	12.88	12.30	12.01	12.15	11.69	11.31	11.52
16	12.73	12.56	12.65	12.78	12.55	12.65	12.14	11.90	12.03	11.71	11.29	11.42
17	12.81	12.65	12.74	12.78	12.48	12.65	12.00	11.74	11.87	12.10	11.71	11.95
18	---	---	---	12.48	12.18	12.31	11.90	11.72	11.81	11.90	11.30	11.57
19	---	---	---	12.37	12.22	12.29	11.94	11.78	11.86	11.30	10.97	11.13
20	13.01	12.84	12.93	12.27	11.79	12.03	12.24	11.92	12.14	11.42	11.10	11.24
21	---	---	---	11.84	11.65	11.73	12.16	11.85	11.97	11.42	11.04	11.21
22	12.66	12.28	12.49	11.88	11.63	11.76	11.97	11.83	11.88	11.45	11.08	11.26
23	12.28	12.16	12.23	11.95	11.73	11.81	11.86	11.57	11.69	11.55	11.24	11.38
24	12.41	12.18	12.34	11.98	11.80	11.89	11.78	11.51	11.65	11.62	11.39	11.50
25	12.54	12.39	12.47	11.98	11.77	11.87	11.81	11.48	11.63	11.72	11.49	11.60
26	12.61	12.49	12.54	11.99	11.73	11.84	11.60	11.30	11.44	11.80	11.60	11.70
27	12.53	12.00	12.38	11.81	11.35	11.55	11.63	11.37	11.50	12.09	11.80	11.94
28	---	---	---	11.85	11.56	11.69	11.72	11.52	11.62	12.27	11.93	12.12
29	12.86	12.53	12.62	11.96	11.77	11.87	11.79	11.39	11.62	11.94	11.57	11.76
30	12.97	12.45	12.74	12.01	11.77	11.89	11.41	10.90	11.15	11.58	11.37	11.48
31	12.45	11.98	12.15	---	---	---	11.48	11.23	11.37	11.48	11.10	11.32
MONTH	13.01	11.98	12.50	12.97	11.35	12.09	12.73	10.90	11.94	12.27	10.88	11.53

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA—Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.30	10.89	11.06	12.30	11.88	12.07	11.88	11.53	11.68	12.91	12.60	12.70
2	11.46	11.08	11.24	12.25	11.77	12.03	12.02	11.72	11.85	12.60	12.42	12.50
3	11.50	11.23	11.36	11.77	11.54	11.64	12.02	11.80	11.92	12.65	12.50	12.57
4	11.66	11.29	11.45	11.70	11.44	11.58	12.01	11.75	11.87	12.59	12.26	12.40
5	11.77	11.48	11.61	11.73	11.45	11.58	12.32	12.01	12.11	12.26	12.05	12.14
6	11.85	11.65	11.76	11.87	11.55	11.67	12.42	12.16	12.32	12.24	12.02	12.13
7	11.88	11.68	11.79	12.00	11.77	11.86	12.16	11.93	12.01	12.37	12.12	12.27
8	12.02	11.78	11.88	12.08	11.89	11.97	12.21	12.03	12.13	12.45	12.27	12.36
9	12.12	11.95	12.04	12.32	12.08	12.19	12.40	12.11	12.28	12.39	12.26	12.32
10	12.37	12.07	12.21	12.11	11.63	11.85	12.59	12.35	12.49	12.33	12.20	12.26
11	12.37	12.03	12.23	11.63	11.49	11.55	12.73	12.52	12.63	12.30	12.09	12.20
12	12.03	11.68	11.86	11.78	11.56	11.70	12.67	12.59	12.64	12.34	12.14	12.24
13	11.72	11.22	11.54	11.83	11.66	11.75	—	—	—	12.44	12.17	12.29
14	11.32	10.95	11.12	11.94	11.72	11.82	—	—	—	12.61	12.35	12.46
15	11.58	11.32	11.49	12.05	11.87	11.98	—	—	—	12.62	12.49	12.56
16	11.59	11.32	11.45	11.99	11.82	11.87	—	—	—	12.57	12.41	12.49
17	11.73	11.42	11.56	12.01	11.71	11.85	—	—	—	12.47	12.30	12.39
18	11.84	11.59	11.70	12.18	11.90	12.02	—	—	—	12.38	12.15	12.25
19	12.07	11.77	11.89	12.19	12.00	12.09	—	—	—	12.15	11.96	12.02
20	12.17	11.90	12.01	12.30	12.06	12.16	—	—	—	12.09	11.87	11.99
21	12.18	11.97	12.08	12.31	12.16	12.24	—	—	—	12.30	12.09	12.22
22	12.41	12.13	12.23	12.30	12.04	12.14	—	—	—	12.37	12.20	12.29
23	12.51	12.20	12.39	12.39	12.14	12.23	—	—	—	12.30	12.15	12.22
24	12.20	11.88	12.01	12.50	12.34	12.40	—	—	—	12.30	12.08	12.19
25	12.08	11.97	12.03	12.54	12.22	12.42	—	—	—	12.39	12.13	12.27
26	12.12	11.75	11.97	12.51	12.22	12.32	13.07	12.74	12.90	12.54	12.27	12.40
27	11.75	11.58	11.67	12.86	12.51	12.67	13.03	12.86	12.95	12.56	12.37	12.46
28	11.93	11.72	11.84	12.81	12.32	12.59	12.98	12.80	12.90	12.62	12.36	12.47
29	—	—	—	12.32	12.01	12.14	12.95	12.75	12.86	12.73	12.42	12.55
30	—	—	—	12.01	11.85	11.94	12.96	12.75	12.86	12.71	12.40	12.55
31	—	—	—	11.92	11.61	11.74	—	—	—	12.45	12.31	12.39
MONTH	12.51	10.89	11.77	12.86	11.44	12.00	—	—	—	12.91	11.87	12.34
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.52	12.38	12.45	12.09	11.92	12.00	12.26	12.06	12.16	12.66	12.52	12.61
2	12.54	12.42	12.47	12.24	11.93	12.11	12.42	12.04	12.27	12.56	12.34	12.48
3	12.50	12.37	12.45	12.32	12.07	12.22	12.64	12.33	12.51	12.34	12.14	12.28
4	12.54	12.34	12.45	12.45	12.19	12.36	12.69	12.50	12.58	12.32	12.11	12.22
5	13.01	12.39	12.63	12.58	12.38	12.49	12.61	12.47	12.54	12.41	12.17	12.30
6	12.94	12.77	12.87	12.52	12.38	12.45	12.66	12.42	12.52	12.56	12.33	12.45
7	12.83	12.69	12.77	12.75	12.35	12.53	12.64	12.45	12.53	12.60	12.50	12.55
8	12.80	12.66	12.73	12.82	12.62	12.73	12.61	12.43	12.52	12.71	12.57	12.66
9	12.72	12.61	12.67	12.80	12.59	12.69	12.60	12.50	12.54	12.83	12.71	12.77
10	12.66	12.54	12.60	12.85	12.62	12.73	12.57	12.41	12.48	12.93	12.71	12.81
11	12.57	12.43	12.51	13.04	12.67	12.81	12.52	12.40	12.45	12.85	12.66	12.76
12	12.56	12.38	12.47	12.93	12.73	12.84	12.60	12.45	12.52	12.81	12.61	12.71
13	12.51	12.40	12.45	12.98	12.79	12.90	12.65	12.49	12.57	12.85	12.61	12.74
14	12.46	12.33	12.40	12.97	12.68	12.80	12.69	12.52	12.61	12.92	12.68	12.81
15	12.46	12.32	12.39	12.68	12.46	12.60	12.78	12.50	12.66	13.11	12.73	12.94
16	12.37	12.14	12.24	12.57	12.45	12.50	12.75	12.58	12.68	13.49	13.06	13.30
17	12.23	12.09	12.15	12.52	12.27	12.43	12.82	12.57	12.72	13.42	13.00	13.23
18	12.14	11.96	12.06	12.42	12.23	12.31	12.73	12.61	12.68	13.00	12.59	12.77
19	12.19	11.93	12.06	12.40	12.18	12.29	12.66	12.53	12.59	12.59	12.38	12.46
20	12.25	11.93	12.11	12.51	12.16	12.33	12.71	12.50	12.59	12.47	12.30	12.37
21	12.34	12.05	12.23	12.45	12.24	12.35	12.69	12.54	12.63	12.56	12.41	12.48
22	12.47	12.19	12.34	12.43	12.21	12.34	12.54	12.44	12.49	12.71	12.46	12.60
23	12.86	12.33	12.61	12.35	12.23	12.28	12.49	12.33	12.40	12.80	12.58	12.69
24	12.82	12.66	12.75	12.45	12.14	12.26	12.37	12.22	12.28	12.76	12.62	12.68
25	12.72	12.57	12.63	12.40	12.09	12.24	12.35	12.16	12.26	12.71	12.40	12.58
26	12.61	12.46	12.54	12.35	12.16	12.25	12.41	12.24	12.34	12.53	12.38	12.45
27	12.58	12.43	12.49	12.42	12.26	12.34	12.47	12.28	12.38	12.60	12.42	12.51
28	12.43	12.30	12.36	12.35	11.84	12.06	12.59	12.31	12.52	12.54	12.30	12.44
29	12.30	12.13	12.21	12.10	11.94	12.02	12.62	12.47	12.55	12.49	12.30	12.40
30	12.13	11.92	12.04	12.15	11.97	12.06	12.71	12.49	12.62	12.58	12.35	12.50
31	—	—	—	12.24	11.99	12.15	12.72	12.56	12.63	—	—	—
MONTH	13.01	11.92	12.44	13.04	11.84	12.40	12.82	12.04	12.51	13.49	12.11	12.62

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 26,400 microsiemens, Jan. 28, 1994; minimum daily, 1,910 microsiemens, Jan. 16, 1993.

WATER TEMPERATURES: Maximum daily, 35.2°C, July 2, 1993; minimum daily, 0.6°C, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE:

Water year 1993: Maximum daily, 22,800 microsiemens, Jan. 5; minimum daily, 1,910 microsiemens, Jan. 16.

Water year 1994: Maximum daily, 26,400 microsiemens, Jan. 28; minimum daily, 2,830 microsiemens, Feb. 2.

WATER TEMPERATURES:

Water year 1993: Maximum daily, 35.2 °C, July 2; minimum daily, 0.6 °C, Mar. 14.

Water year 1994: Maximum daily, 34.4 °C, June 16; minimum daily, 3.4 °C, Jan. 5.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR AUGUST 1992 TO SEPTEMBER 1992

DAY	AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	11000	10700	10900
2	---	---	---	11200	10700	11000
3	---	---	---	11600	11200	11400
4	---	---	---	---	---	---
5	---	---	---	11200	10100	10700
6	---	---	---	10300	6870	9760
7	---	---	---	10300	9530	10100
8	---	---	---	---	---	---
9	---	---	---	11100	10700	10900
10	---	---	---	10700	10400	10500
11	---	---	---	10400	9590	9840
12	---	---	---	9780	8220	9100
13	---	---	---	8220	7440	7890
14	---	---	---	9660	7410	8390
15	---	---	---	11300	9500	10100
16	---	---	---	---	---	---
17	---	---	---	14700	12200	13200
18	---	---	---	---	---	---
19	---	---	---	14500	12500	13400
20	---	---	---	12700	10500	11900
21	---	---	---	12900	10300	11400
22	---	---	---	12500	10600	11600
23	10400	6810	8120	12300	6420	8780
24	10400	7160	8150	7340	5400	6470
25	7310	5500	6640	7590	4750	6800
26	19700	6310	12300	7110	4570	5720
27	17900	11600	12800	7500	6040	6820
28	11900	10200	11100	7110	5250	5980
29	---	---	---	6760	5270	6000
30	11500	11000	11300	---	---	---
31	11400	10900	11200	---	---	---
MONTH	---	---	---	14700	4570	9550

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8170	5230	6100	19700	14200	17000	---	---	---	4190	3090	3800
2	9710	5000	7190	18900	16600	17400	---	---	---	4280	3250	3750
3	18600	7520	12600	17000	14300	15500	---	---	---	9910	2840	6530
4	21400	12800	17200	14800	12900	14000	---	---	---	19700	8250	15300
5	20500	13600	15900	12900	8340	10900	---	---	---	22800	13500	18500
6	13900	11900	12300	9780	5340	7430	---	---	---	14600	11900	13400
7	11900	9960	11300	---	---	---	---	---	---	11900	9910	10500
8	10600	8540	9460	---	---	---	---	---	---	13300	8870	10500
9	9580	8460	8960	---	---	---	---	---	---	13200	10400	11600
10	9480	8470	8930	---	---	---	---	---	---	11600	9470	10600
11	12200	8310	10500	---	---	---	---	---	---	9470	6160	7730
12	11300	10500	10900	---	---	---	---	---	---	8530	7310	7770
13	12900	9990	11500	---	---	---	---	---	---	7410	6970	7180
14	16900	11400	13900	---	---	---	---	---	---	7440	5370	7110
15	17600	12300	14600	---	---	---	---	---	---	5370	2910	4530
16	18200	12600	15100	---	---	---	12500	5970	10400	3280	1910	2720
17	16200	13700	14300	---	---	---	11400	9060	9920	6840	2090	4370
18	14100	10700	12200	---	---	---	9060	4340	7750	8560	4160	6410
19	11300	8610	10100	---	---	---	8530	4340	6830	7880	4750	6240
20	18600	7350	10900	---	---	---	15900	8410	11900	8750	5000	6990
21	18300	14400	15400	---	---	---	10300	8280	9200	12400	5720	8180
22	16900	14000	15000	---	---	---	9970	7780	8960	9220	7880	8690
23	16300	14700	15200	---	---	---	9160	7500	8480	7880	6370	7280
24	15200	13900	14500	---	---	---	7660	5310	6680	7370	5440	6480
25	16100	14200	15100	---	---	---	6780	4590	5880	6530	4910	5970
26	19600	14400	16300	---	---	---	8060	5370	6450	5030	2560	3380
27	21700	14300	18000	---	---	---	7220	4720	5740	---	---	---
28	22400	14900	19000	---	---	---	7000	6120	6630	---	---	---
29	21000	16600	18400	---	---	---	6840	5160	6060	---	---	---
30	18700	15400	17400	---	---	---	5590	3840	4640	---	---	---
31	17300	15200	16500	---	---	---	4810	4000	4250	---	---	---
MONTH	22400	5000	13400	---	---	---	---	---	---	22800	1910	7900
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	7740	5650	7020	---	---	---	15700	12400	13900
2	---	---	---	10100	7390	8690	---	---	---	13400	10500	12000
3	---	---	---	15000	9690	13400	---	---	---	11500	9670	10400
4	---	---	---	12600	9950	11400	---	---	---	9740	8500	8670
5	---	---	---	11400	8490	9680	---	---	---	7650	6770	7170
6	---	---	---	9320	---	8750	---	---	---	6870	5750	6510
7	---	---	---	10300	6670	8790	---	---	---	7050	6000	6470
8	---	---	---	10400	8120	9420	9710	4700	6980	6730	3850	4990
9	---	---	---	10800	8580	10000	6960	4070	4990	7980	4210	5720
10	---	---	---	10900	9540	10400	6670	5390	6220	9360	6550	7600
11	---	---	---	10100	7820	8880	6520	5250	5760	9160	7160	8230
12	---	---	---	8520	5080	7380	6110	5110	5470	7830	6460	7070
13	---	---	---	6750	4750	5800	5430	4230	4590	8100	7600	7850
14	---	---	---	7230	4810	6140	9390	4400	7190	7840	5950	6590
15	---	---	---	8130	3250	5660	10600	5950	7180	7310	5830	6560
16	---	---	---	---	---	---	7720	6590	7100	7690	5650	6640
17	---	---	---	---	---	---	---	---	---	7660	5680	6680
18	---	---	---	---	---	---	---	---	---	10200	4990	7690
19	---	---	---	---	---	---	7050	3340	5170	9360	8470	9010
20	---	---	---	---	---	---	10300	7050	9460	9020	7580	8240
21	---	---	---	---	---	---	---	---	---	8090	5920	6600
22	14100	12300	13300	---	---	---	---	---	---	6290	4470	5380
23	12300	10100	11100	---	---	---	---	---	---	9200	5570	7210
24	10500	9140	9780	---	---	---	---	---	---	12000	8990	10100
25	11500	9390	10400	---	---	---	13300	11300	12200	14100	9420	12400
26	---	---	---	---	---	---	14300	12000	12700	14000	9710	11900
27	10400	7220	9290	---	---	---	---	---	---	9740	8240	8910
28	8840	7510	8080	---	---	---	---	---	---	9230	5820	7110
29	---	---	---	---	---	---	---	---	---	7130	5400	6100
30	---	---	---	---	---	---	14600	11900	13200	7600	4990	6530
31	---	---	---	---	---	---	---	---	---	6520	4960	5870
MONTH	---	---	---	---	---	---	---	---	---	15700	3850	7940

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5460	4200	4610	9100	7070	8010	5290	4080	4620	5800	5140	5460
2	5850	4500	5070	9020	6750	7710	4480	3380	3980	5140	3660	4440
3	9030	5850	7890	8870	5540	7390	4730	3520	4110	5600	4220	4850
4	11000	9030	10400	9270	6520	8130	5620	3940	4890	5740	5390	5580
5	12100	10800	11500	11200	8520	10200	6020	4720	5440	5640	5070	5350
6	12700	10600	11700	11600	10600	11100	7090	5490	6170	5070	3130	3920
7	11800	10700	11400	11300	9570	10600	8840	6810	8060	4390	3720	4060
8	12400	10700	11700	9570	8640	9260	8300	6290	7620	4370	3840	4070
9	13800	11300	12800	9400	6470	8230	6350	5920	6220	4420	3910	4140
10	13000	11200	12300	7630	5070	6220	6170	4140	5100	4330	3890	4090
11	12900	10200	11500	8750	6150	7690	5110	3750	4420	4550	3870	4230
12	12000	8680	10400	8870	4970	7080	4810	3770	4200	4660	4110	4360
13	11900	7560	10100	8180	5450	6340	5510	4110	4700	9410	4520	6550
14	9910	6200	8350	8040	6270	6910	5660	5070	5440	10200	6600	8510
15	7390	5280	6250	8030	6460	7440	5560	4920	5090	11400	8970	10100
16	7980	5340	6550	7980	6370	7200	5830	4950	5470	8970	8160	8600
17	15000	7430	10300	7910	4820	6540	6750	5020	5960	8210	7500	7830
18	17700	13500	15600	7070	4780	5950	6150	4740	5580	7680	5650	6460
19	19200	14000	17000	7020	5310	6240	5220	4060	4660	10200	5160	7000
20	19300	15100	18200	7840	5680	6810	4490	3740	4150	12500	7480	9500
21	19500	15900	17700	7970	5200	7000	5970	4010	4740	11200	9340	10100
22	17700	14500	16000	7110	5560	6370	5610	4380	4840	10500	9410	9960
23	15100	11100	12500	6930	5250	6160	6750	4600	5330	10200	9070	9620
24	11200	8770	9590	7230	5100	6300	6780	4960	5710	9720	7920	8920
25	9130	7630	8360	7300	3730	5540	5760	4770	5090	10300	7470	8450
26	8060	6640	7420	6490	4550	5440	5500	3740	4540	11400	9040	9830
27	7250	5650	6490	6590	3880	4820	6270	4190	5490	11600	9130	10200
28	7520	4620	6090	5250	3980	4450	7420	5440	6470	9600	7050	8640
29	9190	5400	7310	5160	4140	4670	7220	5440	6320	7050	5360	5950
30	9230	6980	8240	5680	4610	5080	5970	5220	5550	5630	4590	5180
31	---	---	---	5540	4040	4890	6140	5270	5650	---	---	---
MONTH	19500	4200	10400	11600	3730	6960	8840	3380	5340	12500	3130	6860

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8500	5630	6850	9150	6570	7700	11500	9480	10700	10700	5310	7320
2	11400	7870	9660	7680	6370	6970	20200	11500	15100	12700	7850	11100
3	11100	9060	9940	6930	6220	6630	22000	14400	18600	15600	11000	13300
4	9060	7940	8370	9360	6630	7400	20400	16900	18800	12900	10900	11800
5	7980	7560	7780	13300	9360	11800	19500	13500	16000	---	---	---
6	8750	7480	8010	13300	10500	11200	15400	12700	13300	11000	7890	9760
7	8670	7760	8330	10800	10100	10400	13300	9220	12300	13900	10600	12000
8	12400	7770	9670	10400	10100	10300	11400	9530	10500	---	---	---
9	12400	11700	12000	10300	9570	9870	12700	9630	11300	8670	3150	6320
10	12200	10600	11700	9990	8680	9580	16700	11300	13700	9750	7170	8250
11	10700	9650	10200	8680	7490	8170	14100	12300	13300	---	---	---
12	10100	6850	8400	10000	8540	9260	12400	9820	11000	---	---	---
13	7200	6460	6820	16800	10000	13400	17900	9790	13800	11200	8470	10200
14	7490	6660	6930	18800	16300	17600	18300	13200	15900	10200	7510	9430
15	9110	7490	8460	19200	18200	18800	16400	13700	15400	9540	7460	8200
16	8910	8380	8680	19200	18100	18700	13900	8930	10600	9160	4380	7810
17	10700	8670	9330	18100	15900	16800	11000	8460	9280	19000	4380	12000
18	14300	10200	11800	15900	13300	14200	9620	6570	7660	16000	10200	13700
19	15600	12300	13900	13400	11600	12700	7730	6100	6860	---	---	---
20	19100	12300	15700	12000	8650	10600	12300	5930	7540	7160	3660	5320
21	17100	13300	14600	---	---	---	12600	8400	10100	6060	3170	4740
22	14300	10800	12300	---	---	---	10300	6400	7490	7130	3620	5460
23	10900	6870	9180	---	---	---	7440	4630	5990	6820	4500	5620
24	7130	4430	5440	---	---	---	5950	3290	4390	12100	6230	9290
25	6100	4820	5510	---	---	---	5800	3140	4510	15600	9100	12400
26	7750	4420	5570	---	---	---	6530	4500	5460	17500	11900	14300
27	8020	6480	7380	---	---	---	6670	4650	5920	22400	13000	18700
28	7830	6480	7140	---	---	---	9140	5320	7440	26400	17000	23200
29	14100	6610	10000	---	---	---	9170	6960	8000	17000	11800	14400
30	12000	10400	11500	9720	8720	9300	---	---	---	11800	8070	10200
31	10500	9150	9850	---	---	---	5790	4460	5210	10400	3740	6760
MONTH	19100	4420	9390	---	---	---	22000	3140	10500	26400	3170	10400

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	—	—	—	16100	9450	12500	11000	9220	10200	17100	14600	16000
2	6840	2830	5620	19300	13600	16100	11900	9670	11000	14700	11900	13300
3	9550	5720	7590	16300	14000	15000	15600	11300	13900	13500	12200	12900
4	12000	8960	10300	16100	12500	14100	14600	13100	14000	12800	10500	11300
5	18100	11200	15800	14400	10300	13200	16300	13100	14900	10700	9780	10200
6	21700	15000	17900	12900	10300	12000	19200	14700	16600	10900	8430	10100
7	22200	15400	18200	19800	11000	16000	17200	15100	16400	12300	9150	10800
8	20300	15500	18400	20300	15600	17600	15100	13300	14300	14300	10800	12500
9	24000	17700	20700	20800	15600	17500	17800	13700	14700	13900	11400	12500
10	23800	17600	21600	18800	14500	16000	19800	17500	18400	12200	8480	10500
11	23900	16800	21600	15100	10200	12500	19700	17300	18500	11500	8580	9460
12	16800	15500	16100	12000	5310	8200	—	—	—	12500	7860	10800
13	15900	10800	14200	7480	5860	6750	—	—	—	13600	10800	11900
14	—	—	—	10300	5820	6740	—	—	—	14100	12800	13600
15	9870	5910	7780	14500	9270	11200	—	—	—	17600	13400	16000
16	11300	8130	10200	14200	10200	12600	—	—	—	18200	14500	16500
17	10200	8130	9010	10400	8730	9700	—	—	—	15300	12800	14000
18	14500	8900	12200	14200	9770	12700	—	—	—	13000	10300	11600
19	18400	12700	16500	18900	14000	16200	—	—	—	12200	9830	10500
20	20500	16400	18400	19600	14600	17400	—	—	—	9830	6700	8420
21	21200	16800	18900	20400	16200	17900	—	—	—	8070	6490	7270
22	22200	17400	19900	17300	14700	16000	—	—	—	10200	7920	9440
23	25800	18100	22100	16300	15300	15800	—	—	—	10900	9500	10400
24	21300	15700	19000	21900	16300	19600	—	—	—	10400	9590	10100
25	17200	12800	15100	21100	18100	19400	—	—	—	11000	10200	10600
26	15500	13200	14500	18600	15300	16500	18200	13300	15800	17700	11000	15800
27	15300	11600	14400	21500	16600	19500	18300	14200	16700	19800	17400	18700
28	12500	7750	10100	21500	19700	20500	18100	14600	16200	19400	15100	17200
29	—	—	—	19700	15600	16900	18000	14700	16600	16500	14100	15100
30	—	—	—	15700	12700	13900	17200	15100	16500	15900	14000	14800
31	—	—	—	12700	9830	11600	—	—	—	15100	12800	13700
MONTH	25800	2830	15200	21900	5310	14600	—	—	—	19800	6490	12500
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12800	10500	12000	8440	6720	7790	3780	3030	3500	5030	4280	4610
2	13100	11000	12200	8320	5520	7010	3910	3100	3440	5420	4130	4480
3	11700	6870	9640	6990	6180	6480	8450	3180	4510	4460	4140	4370
4	11400	8480	9960	10100	6390	8020	8330	5250	6710	4510	4240	4400
5	11600	8550	9780	11500	10100	11000	6870	5300	5990	4640	4280	4390
6	14600	9650	11500	12100	9770	10900	5590	4820	5140	4780	4310	4420
7	10100	8380	9110	11200	9690	10500	5240	4690	4870	4650	4020	4450
8	9490	7980	8890	11300	10400	10800	5090	3790	4580	5170	4470	4770
9	10000	7790	8940	10800	9200	10300	4680	3990	4430	5550	4350	4970
10	10300	8050	8950	9600	8560	9270	4920	4290	4580	5730	4700	5250
11	8870	6590	7990	9580	8210	8860	4910	4020	4440	6330	4790	5450
12	9150	7000	8140	9050	8040	8470	4180	3600	3900	5870	4940	5510
13	8620	6750	7900	9070	6460	7260	4430	3880	4100	6030	5380	5590
14	9510	5890	7740	8130	6170	6890	4800	4240	4500	5890	4940	5570
15	9140	5060	7200	7190	6060	6640	6880	4330	4920	6360	5150	5670
16	10100	7430	9230	6750	5490	6030	5970	4720	5620	7120	5710	6200
17	10500	7420	8830	5910	4750	5590	7240	4670	5720	7960	7120	7600
18	9140	7330	8450	6350	5140	5650	7240	6090	6840	7750	6980	7480
19	9240	5580	7180	5860	4590	5350	8060	6990	7290	7420	6490	7220
20	8380	5070	6100	5510	4780	5140	7450	7030	7230	7420	6490	7070
21	10100	5990	7230	5520	4730	4970	8580	7240	8000	7050	6380	6710
22	10900	8470	9590	4920	4100	4760	9430	8490	8850	7590	6070	6540
23	10700	7790	9350	5480	4680	4960	9610	8430	8850	8540	7410	7980
24	10400	8790	9690	5290	4310	4870	9330	8360	8670	9500	7690	8160
25	9660	7970	9020	5190	4050	4690	8860	7940	8320	9770	7990	8800
26	8920	7980	8570	5830	3660	4670	8820	7120	7950	8440	7180	8010
27	8880	7930	8380	4400	3320	3670	8200	6870	7480	10600	7980	8790
28	9220	7630	8430	5420	3640	4790	7370	6060	6690	10400	7970	9590
29	8810	8040	8550	5430	4640	4960	6370	5620	5980	9590	8160	8820
30	9400	8020	8440	5000	3580	4200	6120	4920	5420	10300	7150	8750
31	—	—	—	4190	3150	3570	5770	4690	5020	—	—	—
MONTH	14600	5060	8900	12100	3150	6710	9610	3030	5920	10600	4020	6390

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR AUGUST 1992 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
	AUGUST			SEPTEMBER		
1	—	—	—	30.0	27.6	28.5
2	—	—	—	30.3	27.0	28.6
3	—	—	—	29.3	27.0	28.5
4	—	—	—	—	—	—
5	—	—	—	31.7	27.5	29.2
6	—	—	—	31.0	28.5	30.0
7	—	—	—	32.0	28.4	30.3
8	—	—	—	—	—	—
9	—	—	—	32.8	28.9	30.7
10	—	—	—	33.1	28.2	30.4
11	—	—	—	32.9	28.8	30.6
12	—	—	—	31.2	27.9	30.1
13	—	—	—	30.5	27.6	29.1
14	—	—	—	30.0	26.6	28.1
15	—	—	—	27.3	25.2	26.4
16	—	—	—	—	—	—
17	—	—	—	25.8	24.6	25.2
18	—	—	—	26.7	25.0	25.8
19	—	—	—	27.2	26.0	26.7
20	—	—	—	29.4	26.6	27.9
21	—	—	—	29.8	26.7	28.5
22	—	—	—	29.1	27.2	28.4
23	30.3	26.8	28.2	28.4	26.8	27.4
24	31.3	28.2	29.5	27.7	24.2	26.1
25	29.5	24.8	27.8	26.1	24.3	25.3
26	25.8	23.7	24.8	24.5	23.9	24.2
27	27.1	25.0	25.8	25.0	23.4	24.0
28	28.3	26.9	27.4	26.2	23.2	24.5
29	—	—	—	24.6	21.2	22.9
30	29.5	27.1	28.1	23.4	20.1	21.3
31	28.9	26.3	27.5	—	—	—
MONTH	—	—	—	33.1	20.1	27.4

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.5	19.5	20.7	24.5	22.7	23.6	13.1	11.8	12.2	17.8	15.1	16.0
2	21.3	18.3	19.9	23.6	21.0	22.5	15.8	11.1	13.1	16.4	13.1	15.4
3	22.5	19.4	20.8	22.7	19.9	21.6	15.4	10.4	21.3	18.6	15.9	17.3
4	21.3	19.5	20.5	22.7	15.8	20.1	18.5	13.1	14.9	21.5	18.0	19.4
5	22.8	21.0	21.9	17.4	14.3	15.8	18.2	13.8	15.4	21.4	17.1	19.4
6	24.8	22.5	23.6	15.4	10.8	12.8	18.2	12.4	14.9	17.2	15.6	16.5
7	25.5	21.2	23.3	15.4	9.0	11.7	18.2	14.6	17.0	16.3	15.3	15.9
8	25.0	22.0	23.5	14.3	10.3	12.2	14.6	11.7	13.3	16.0	14.7	15.4
9	24.8	22.3	23.6	16.4	12.0	14.0	15.1	11.7	13.2	16.6	14.8	15.7
10	24.2	22.6	23.5	18.1	15.2	16.3	15.3	12.8	13.9	16.7	15.4	16.0
11	25.0	22.4	23.8	20.5	17.5	18.4	14.2	12.3	13.5	17.5	16.0	16.6
12	24.1	19.9	22.1	21.0	17.3	19.7	14.4	10.9	12.9	19.4	17.3	18.3
13	24.8	20.8	22.5	17.3	14.4	16.1	14.5	11.9	12.6	18.5	15.8	17.1
14	24.4	21.9	23.2	15.7	12.7	14.3	16.6	14.0	15.3	15.9	12.2	14.8
15	25.3	22.1	23.5	15.1	12.9	14.2	17.6	16.0	16.6	12.9	10.9	12.0
16	24.6	23.1	23.8	15.8	13.3	14.7	16.6	15.1	15.9	14.0	9.7	11.3
17	23.3	21.0	21.8	16.4	14.5	15.5	16.0	14.5	15.1	15.1	11.5	12.6
18	23.4	19.3	21.2	17.9	14.8	16.4	14.5	12.6	13.7	16.4	12.9	14.2
19	22.8	16.5	20.2	19.4	16.5	18.1	18.2	12.6	14.7	17.3	15.0	16.3
20	23.0	18.4	20.4	19.5	18.5	19.0	19.5	16.4	17.7	20.0	16.5	18.0
21	22.6	19.5	21.2	20.7	19.0	19.5	19.5	18.0	18.7	20.2	18.7	19.6
22	23.3	20.3	21.8	21.7	18.5	20.3	20.2	18.9	19.4	19.0	16.7	18.1
23	24.6	20.5	22.3	18.5	16.4	17.3	20.6	19.4	19.9	19.4	16.3	17.9
24	24.4	21.7	22.9	18.8	15.9	16.6	20.2	17.0	18.4	19.9	15.0	18.1
25	24.1	22.0	23.1	18.5	16.8	17.6	18.1	14.3	16.1	15.1	10.6	13.1
26	24.5	22.9	23.6	17.0	12.8	14.4	17.9	15.5	16.3	13.4	8.1	10.4
27	24.3	22.7	23.6	13.0	10.9	11.9	16.1	14.1	15.2	12.2	6.2	9.0
28	24.6	22.7	23.8	12.2	9.6	11.0	17.2	16.1	16.6	14.1	10.6	12.1
29	25.2	22.9	24.1	11.7	8.3	9.9	17.9	16.6	17.2	13.7	12.0	13.0
30	24.6	23.3	24.0	12.2	9.4	10.8	18.9	16.1	17.5	14.6	10.7	12.4
31	24.9	22.7	23.9	—	—	—	19.8	15.8	17.7	13.5	9.4	11.9
MONTH	25.5	16.5	22.5	24.5	8.3	16.2	20.6	10.4	15.8	21.5	6.2	15.3

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.3	11.1	13.4	15.7	13.8	14.7	22.8	20.9	21.9	24.1	22.2	23.5
2	16.2	11.6	13.5	17.5	15.7	16.5	21.5	18.9	20.1	22.8	21.1	21.9
3	14.5	11.4	13.0	17.8	15.7	16.5	20.1	18.3	19.3	25.0	20.6	22.7
4	—	—	—	16.6	15.0	15.8	18.7	15.9	17.4	27.9	21.9	23.7
5	—	—	—	16.5	13.6	15.5	18.9	16.0	17.4	29.3	23.4	25.8
6	—	—	—	17.0	14.4	15.6	22.1	16.3	18.6	29.8	24.9	27.2
7	—	—	—	20.6	13.1	16.6	20.2	17.5	19.0	31.1	25.8	28.0
8	—	—	—	21.2	15.7	17.7	20.0	17.8	19.0	28.7	25.7	26.9
9	—	—	—	22.3	16.7	19.7	20.5	15.3	17.7	27.5	25.5	26.5
10	—	—	—	23.9	16.7	20.2	23.2	17.0	19.4	26.9	25.5	26.3
11	—	—	—	21.1	15.0	19.3	23.9	18.4	20.7	26.2	24.4	25.3
12	—	—	—	15.0	4.9	10.9	24.3	20.0	22.0	28.8	24.4	25.9
13	—	—	—	11.8	1.0	6.3	25.0	21.7	23.3	25.4	22.3	24.1
14	—	—	—	12.0	.6	7.1	23.9	22.5	23.4	27.2	24.1	25.3
15	—	—	—	11.9	6.1	10.0	22.6	19.8	21.6	30.3	24.4	26.7
16	—	—	—	16.1	10.3	12.3	22.7	18.7	20.2	29.9	24.8	27.5
17	—	—	—	15.8	12.6	14.5	21.2	19.5	20.3	30.6	26.0	28.2
18	—	—	—	18.2	11.0	14.4	25.0	18.1	21.4	29.8	25.7	27.6
19	—	—	—	16.1	13.1	14.9	24.3	20.5	22.4	28.8	25.8	27.3
20	—	—	—	16.3	14.3	15.4	24.5	21.4	23.0	29.3	25.1	26.9
21	—	—	—	18.5	15.1	16.8	23.9	19.6	22.1	28.6	24.8	26.5
22	—	—	—	18.8	17.0	18.0	24.4	15.4	19.5	28.1	24.1	26.0
23	18.1	16.1	17.0	24.9	17.9	21.1	22.3	18.1	20.3	27.3	22.7	25.1
24	17.3	15.2	16.2	22.6	20.3	20.9	22.9	20.2	21.3	26.0	24.4	25.2
25	17.8	14.3	15.8	23.1	18.6	21.1	24.3	21.7	22.8	27.2	24.5	25.8
26	18.6	12.9	16.7	23.3	19.3	20.7	27.0	22.9	24.6	26.5	25.0	25.8
27	17.1	10.5	14.1	24.4	18.7	21.2	26.0	21.6	23.9	27.5	24.5	25.9
28	15.5	13.7	14.6	26.2	19.3	22.4	24.5	21.0	22.9	28.3	25.2	26.7
29	—	—	—	23.3	20.4	22.0	25.1	20.9	23.1	31.4	25.4	28.0
30	—	—	—	23.7	22.0	22.7	24.8	22.9	23.7	31.9	27.1	29.2
31	—	—	—	26.4	22.0	23.4	—	—	—	31.2	26.9	29.0
MONTH	18.6	10.5	14.9	26.4	.6	16.9	27.0	15.3	21.1	31.9	20.6	26.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.7	25.8	27.8	34.9	30.3	32.3	33.1	30.0	31.7	31.3	27.4	29.5
2	31.3	27.0	28.6	35.2	30.4	32.1	31.7	28.7	30.3	31.2	29.2	30.1
3	30.1	26.8	28.3	33.1	30.1	31.7	32.3	28.6	30.4	29.3	27.8	28.8
4	29.8	27.3	28.5	32.9	28.8	30.9	32.7	29.6	31.1	29.3	27.5	28.5
5	30.6	28.0	29.4	32.4	29.3	30.9	32.7	30.5	31.6	30.9	27.3	29.1
6	32.1	28.9	30.3	33.1	30.0	31.4	32.4	30.2	31.2	30.3	28.6	29.6
7	32.4	29.1	30.6	33.3	30.3	31.8	31.5	29.8	30.6	31.1	28.0	29.6
8	32.1	29.2	30.5	33.4	29.2	30.8	30.6	29.0	29.9	32.3	28.2	30.1
9	31.6	29.2	30.4	30.4	27.3	29.1	34.2	28.8	30.9	32.8	29.5	30.9
10	32.3	29.3	30.7	29.6	27.5	28.4	34.6	30.5	32.1	31.4	29.7	30.4
11	31.9	30.2	30.8	31.2	26.8	28.7	33.6	30.6	31.9	32.2	28.3	30.2
12	33.8	28.4	30.8	30.2	28.7	29.2	33.5	31.0	32.0	31.4	29.4	30.3
13	35.1	29.5	31.5	31.2	28.4	29.4	33.1	30.7	32.0	30.6	28.4	29.6
14	34.5	29.9	32.0	32.5	27.1	29.5	33.7	31.1	32.1	29.8	28.0	29.0
15	33.4	30.6	31.9	33.2	29.1	30.6	31.6	29.0	30.3	29.6	28.1	28.8
16	32.0	29.1	30.7	33.2	29.1	30.8	30.6	27.9	29.3	29.7	26.9	28.1
17	30.6	28.0	29.4	32.1	29.8	30.9	32.5	28.2	30.2	29.8	26.2	27.9
18	29.3	28.1	28.8	32.6	29.6	30.9	32.7	28.9	30.8	29.5	26.5	28.1
19	28.9	26.7	27.7	32.7	29.6	31.2	32.8	30.1	31.2	29.4	27.5	28.6
20	27.9	26.5	27.2	33.7	29.7	31.7	30.3	27.3	28.8	29.5	28.0	28.8
21	31.0	27.3	28.4	31.9	29.1	30.4	30.5	26.9	28.3	30.1	28.3	29.2
22	28.8	27.4	28.0	29.1	27.4	28.1	30.3	28.3	29.2	30.4	28.3	29.4
23	27.5	25.4	26.7	31.2	27.1	28.8	32.1	28.5	30.0	30.8	28.8	30.0
24	29.5	26.3	27.6	30.1	28.7	29.5	31.6	29.3	30.4	31.1	28.9	30.3
25	30.7	28.1	29.2	31.8	28.6	29.6	32.7	29.1	30.7	30.8	27.9	29.8
26	32.6	28.2	29.9	34.2	29.5	31.1	29.9	28.7	29.2	30.3	27.6	29.3
27	31.0	29.1	30.0	33.7	30.9	31.8	29.8	28.4	29.2	29.9	23.8	27.0
28	31.4	28.3	30.0	33.0	30.6	31.7	30.7	28.3	29.5	26.5	20.0	23.3
29	33.5	28.7	30.9	33.0	29.4	30.9	31.2	28.8	29.7	26.8	21.4	24.1
30	34.4	29.8	31.8	33.3	29.4	31.0	30.3	27.3	28.6	26.3	22.4	24.3
31	—	—	—	33.5	29.5	31.5	30.8	26.2	28.5	—	—	—
MONTH	35.1	25.4	29.6	35.2	26.8	30.5	34.6	26.2	30.4	32.8	20.0	28.8

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.5	22.6	24.1	14.2	7.7	11.1	17.1	13.5	15.2	12.7	8.8	10.1
2	26.2	23.2	24.8	16.8	9.5	13.0	18.1	16.0	16.8	13.6	11.5	12.7
3	27.1	24.2	25.7	17.5	13.6	15.0	19.0	17.6	18.4	13.6	10.3	11.7
4	28.1	24.9	26.4	18.9	16.6	17.3	19.6	18.6	19.2	13.6	7.6	10.5
5	28.0	25.4	26.8	21.0	18.5	19.9	18.6	15.9	17.1	10.4	3.4	7.3
6	26.8	25.0	26.0	21.0	11.5	16.5	16.3	14.4	15.5	12.6	9.2	10.6
7	27.6	24.4	25.9	14.2	7.4	11.1	17.6	12.0	14.6	16.9	8.6	12.3
8	27.2	24.2	25.7	12.7	10.3	11.6	17.9	14.0	15.7	12.1	3.1	7.6
9	27.0	25.2	26.1	13.4	12.3	12.8	18.7	15.2	16.5	13.0	4.6	8.6
10	25.8	22.7	24.4	18.5	11.6	14.5	18.0	16.6	17.3	14.6	7.8	10.7
11	24.9	20.3	22.9	18.2	12.7	15.0	16.6	12.9	15.5	—	—	—
12	24.6	21.5	23.1	18.9	15.2	16.6	14.7	10.6	13.1	—	—	—
13	23.8	23.0	23.5	21.7	16.7	19.4	15.8	13.0	14.2	12.6	9.2	10.8
14	24.4	22.2	23.4	24.0	21.3	22.5	14.9	12.9	14.1	11.9	7.6	10.0
15	25.2	22.6	23.7	24.3	22.7	23.7	13.7	10.5	12.2	12.8	9.5	10.9
16	26.5	23.7	24.6	23.1	21.9	22.5	12.6	10.2	11.5	12.1	7.9	10.3
17	26.4	24.3	25.2	23.0	21.0	22.3	13.5	9.8	11.6	16.2	10.2	13.8
18	26.5	25.0	25.7	21.0	17.6	19.0	15.7	11.9	13.5	10.8	5.3	8.1
19	26.8	25.3	26.0	20.0	18.1	18.9	15.6	13.1	13.8	—	—	—
20	27.3	25.7	26.6	19.6	13.6	16.7	18.2	13.5	15.7	11.9	5.5	8.4
21	27.3	24.9	26.0	17.5	10.0	13.2	15.1	12.3	13.3	15.5	6.2	10.6
22	24.9	18.4	20.8	17.8	11.3	14.0	12.3	8.4	10.7	14.8	6.6	10.3
23	21.0	17.5	19.1	18.0	12.5	15.0	10.5	7.4	8.6	16.6	8.4	11.5
24	23.1	19.0	20.9	19.9	15.3	17.1	7.8	5.9	6.7	14.5	10.0	12.6
25	23.0	20.3	21.5	20.6	15.8	17.9	11.7	4.4	7.8	16.8	12.6	14.9
26	24.1	20.3	22.0	18.2	13.3	15.9	13.3	6.7	9.8	18.8	14.5	16.9
27	23.7	20.1	21.9	14.2	9.4	11.9	14.5	9.6	11.9	19.7	17.3	18.3
28	22.8	19.5	20.9	13.9	8.1	11.1	16.4	12.2	14.3	19.6	15.8	17.7
29	21.8	20.4	21.1	15.7	11.4	13.0	16.5	9.2	13.7	15.8	10.2	12.4
30	21.7	10.9	16.4	16.8	12.9	14.7	12.6	5.5	8.7	10.2	7.5	8.9
31	12.7	9.5	10.8	—	—	—	11.4	5.2	8.3	14.9	4.9	8.7
MONTH	28.1	9.5	23.3	24.3	7.4	16.1	19.6	4.4	13.4	19.7	3.4	11.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.2	4.6	7.1	20.1	16.0	17.7	20.4	13.4	17.2	27.1	24.0	25.8
2	10.3	3.6	7.5	17.6	10.9	14.4	20.8	16.2	18.6	24.8	23.6	24.2
3	11.4	7.6	9.6	16.9	10.0	13.2	24.2	18.5	20.9	26.4	23.5	24.7
4	13.5	9.7	11.2	20.6	13.4	16.6	23.0	18.8	20.5	25.2	23.5	24.4
5	17.3	11.2	14.4	19.4	15.9	17.7	23.6	19.9	21.7	27.3	23.2	24.8
6	19.8	14.5	17.1	18.5	16.3	17.4	22.6	17.7	20.9	29.7	24.0	26.3
7	19.2	16.8	18.2	22.5	16.7	18.8	22.1	15.1	18.5	29.3	25.2	27.3
8	22.0	18.3	20.1	22.5	18.8	20.8	21.0	16.3	19.0	29.1	25.7	27.3
9	22.1	20.0	21.0	21.2	13.5	18.8	23.3	18.9	21.1	31.6	26.7	28.8
10	24.2	18.2	22.0	16.4	10.2	13.2	25.3	21.9	23.6	29.5	27.6	28.4
11	18.2	13.7	16.2	16.8	10.5	13.7	26.0	23.8	24.9	31.5	27.2	29.0
12	17.2	15.5	16.3	18.0	12.1	15.1	—	—	—	32.6	28.3	29.9
13	15.6	9.7	14.2	20.7	14.1	16.9	—	—	—	32.7	28.6	30.1
14	13.9	4.5	9.6	23.9	16.1	18.8	—	—	—	29.9	26.6	28.2
15	14.4	10.0	12.4	19.5	17.8	18.5	—	—	—	30.6	27.6	28.9
16	15.3	12.3	13.7	19.0	16.7	17.9	—	—	—	30.3	28.8	29.5
17	17.2	12.5	14.6	19.9	15.4	17.7	—	—	—	29.5	26.1	28.1
18	18.1	14.3	16.0	26.5	17.2	21.4	—	—	—	29.5	25.8	27.4
19	19.7	16.6	17.8	27.0	19.9	22.6	—	—	—	27.4	23.3	25.6
20	22.1	17.9	19.7	28.3	21.5	23.2	—	—	—	26.7	20.5	24.0
21	21.4	19.6	20.2	25.2	22.6	23.6	—	—	—	28.4	23.9	25.9
22	22.2	19.3	20.5	23.7	21.3	22.4	—	—	—	28.2	24.6	26.5
23	21.8	17.8	20.5	24.4	20.5	22.5	—	—	—	29.6	25.5	27.2
24	17.8	13.4	15.6	25.5	23.4	24.4	—	—	—	30.1	26.1	27.6
25	17.8	12.1	15.0	25.0	23.8	24.4	—	—	—	29.9	26.2	27.6
26	18.3	13.6	16.3	24.1	22.3	23.3	28.6	25.7	26.9	28.7	27.0	27.8
27	16.6	10.3	13.7	25.5	22.5	24.0	29.7	26.3	27.6	28.8	27.6	28.3
28	16.5	10.4	13.9	24.0	18.1	20.8	30.0	26.2	27.9	28.5	25.5	27.3
29	—	—	—	19.8	17.0	18.3	29.2	26.6	27.6	27.2	25.1	26.3
30	—	—	—	22.0	16.3	19.0	28.6	26.1	27.1	27.1	26.1	26.6
31	—	—	—	22.2	15.4	18.4	—	—	—	27.2	25.2	26.1
MONTH	24.2	3.6	15.5	28.3	10.2	19.2	—	—	—	32.7	20.5	27.1

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.8	24.7	27.1	34.3	30.2	31.7	29.0	27.2	27.9	30.3	27.8	29.2
2	32.7	26.8	29.1	32.3	29.8	30.9	27.5	25.5	26.5	31.2	28.5	29.6
3	31.3	27.9	29.7	31.7	29.4	30.3	27.7	25.3	26.5	29.9	27.0	28.3
4	30.9	28.8	29.6	32.3	30.0	31.1	28.9	27.2	28.0	31.0	26.9	28.7
5	31.4	27.7	29.4	31.3	30.2	30.7	30.1	28.7	29.2	31.0	26.9	28.6
6	30.0	27.7	29.1	30.7	30.1	30.4	31.3	28.4	29.6	30.8	28.2	29.3
7	32.7	28.7	30.5	30.7	29.0	29.9	31.3	28.4	29.8	31.4	29.4	30.1
8	33.8	29.7	31.4	29.4	28.3	28.9	31.8	28.7	30.0	31.7	30.2	30.6
9	33.6	30.2	31.6	29.1	27.7	28.6	32.3	28.0	29.9	31.1	29.3	30.2
10	31.6	29.6	30.7	28.6	27.1	27.7	30.7	27.9	29.2	30.3	29.1	29.7
11	30.8	27.9	29.4	27.8	26.3	27.0	32.1	27.7	29.4	29.6	28.4	28.9
12	30.1	27.6	29.0	28.5	26.1	27.3	31.1	29.0	29.9	30.1	27.7	28.6
13	32.3	27.5	29.7	27.9	26.0	27.1	31.1	28.9	29.7	29.9	26.9	28.4
14	31.8	28.6	30.4	29.1	27.0	28.0	31.3	28.7	29.7	29.4	26.6	27.9
15	32.2	28.6	30.5	30.6	28.1	29.1	30.8	28.7	29.7	27.3	25.6	26.2
16	34.4	28.5	31.0	32.3	29.4	30.5	30.5	28.2	29.3	27.9	25.5	26.8
17	33.0	28.8	30.9	31.9	28.9	30.3	30.0	27.3	28.9	29.3	27.5	28.3
18	30.7	26.5	28.5	33.0	29.2	30.7	30.2	29.0	29.5	30.4	27.5	28.7
19	30.0	27.4	28.4	31.2	29.3	30.2	30.9	29.3	30.1	29.5	25.6	27.3
20	30.5	26.8	28.6	29.6	28.0	28.8	31.3	28.8	30.3	29.3	24.5	26.9
21	31.1	28.1	29.5	31.1	27.2	28.9	31.0	29.6	30.2	28.6	26.0	27.3
22	30.3	28.7	29.6	30.8	28.4	29.3	29.6	28.1	29.0	28.2	25.5	26.8
23	28.9	25.6	27.4	30.4	27.3	28.8	28.8	27.0	27.9	28.2	25.2	26.9
24	26.9	25.0	26.4	31.6	28.0	29.7	30.4	27.4	28.7	26.6	22.9	24.9
25	29.2	26.1	27.4	31.2	28.5	30.0	31.4	27.9	29.5	26.3	23.0	24.7
26	30.1	27.7	28.7	31.0	28.6	29.8	29.1	28.0	28.7	25.6	21.4	23.5
27	30.6	27.5	29.0	29.8	27.1	28.4	31.4	27.4	28.7	25.8	23.2	24.5
28	31.0	27.6	29.4	30.8	25.0	27.8	29.4	27.4	28.3	28.5	24.4	26.3
29	31.3	27.8	29.7	31.1	27.5	29.0	30.4	29.1	29.6	28.7	24.8	26.8
30	---	---	30.8	32.1	28.2	29.6	30.5	29.3	29.9	28.0	25.0	26.6
31	---	---	---	29.9	27.7	28.9	30.6	28.9	29.7	---	---	---
MONTH	34.4	24.7	29.4	34.3	25.0	29.3	32.3	25.3	29.1	31.7	21.4	27.7

MISSISSIPPI RIVER DELTA

07381316 BAYOU JEAN LACROIX AT CUTOFF CANAL

LOCATION.—Lat 29°23'42", long 90°27'05", in T.19 S, R.20 E., Lafourche Parish, Hydrologic Unit 08090302, on a three pile platform, 5.0 mi south southeast of Montegut.

DRAINAGE AREA.—Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1994 to September 1994.

GAGE.—Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. 20.00 ft gage datum..

REMARKS.—Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 10.88 ft, Sept. 16, 1994; minimum gage height, 6.95 ft, Feb. 13, 1994.

EXTREMES FOR CURRENT PERIOD.—January to September 1994: Maximum gage height recorded during period, 10.88 ft, Sept. 16; minimum gage height recorded during period, 6.95 ft, Feb 13.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN
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	9.19	7.91	8.59
27	9.77	8.24	8.94
28	9.84	8.22	8.86
29	8.62	7.80	8.10
30	8.35	7.65	8.05
31	8.17	7.47	7.82
MONTH	---	---	---

MISSISSIPPI RIVER DELTA
07381316 BAYOU JEAN LACROIX AT CUTOFF CANAL—Continued
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.41	7.21	7.72	9.62	8.58	9.19	8.79	7.30	8.05	9.72	9.15	9.42
2	8.65	7.38	7.95	9.00	7.50	8.43	8.85	7.70	8.30	9.57	8.89	9.30
3	8.56	7.47	7.99	8.51	7.19	7.82	8.73	7.74	8.28	9.91	9.24	9.56
4	8.88	7.59	8.23	8.59	7.33	7.97	8.88	7.54	8.15	9.25	8.75	9.06
5	—	—	—	8.64	7.32	7.99	9.23	8.25	8.74	9.16	8.78	8.97
6	—	—	—	8.98	7.53	8.25	9.33	8.04	8.65	9.32	8.84	9.09
7	—	—	—	8.91	7.93	8.47	8.57	7.91	8.25	9.53	8.95	9.27
8	9.37	8.26	8.76	9.02	8.08	8.52	8.71	8.34	8.56	9.53	8.69	9.27
9	9.42	8.34	8.89	9.24	8.24	8.84	9.12	8.47	8.84	9.47	8.65	9.15
10	9.73	8.78	9.26	8.24	7.29	7.76	9.25	8.63	8.99	9.44	8.46	9.00
11	9.49	8.19	8.63	8.19	7.71	7.93	9.40	8.68	9.10	9.63	8.42	9.10
12	8.68	8.19	8.40	8.45	7.99	8.23	10.09	7.59	9.34	9.61	8.65	9.17
13	8.55	6.95	7.85	8.48	8.03	8.27	9.51	9.01	9.26	9.77	8.70	9.31
14	8.29	6.95	7.78	8.74	8.03	8.40	9.75	8.94	9.37	9.91	9.06	9.52
15	8.58	7.93	8.36	8.82	8.04	8.51	10.21	9.03	9.65	9.85	9.08	9.46
16	8.62	7.89	8.26	8.53	7.88	8.24	9.67	8.94	9.34	9.74	8.92	9.33
17	8.96	7.87	8.44	8.93	7.85	8.43	9.59	8.64	9.11	9.63	8.77	9.19
18	9.07	8.04	8.54	9.12	8.15	8.68	9.61	8.79	9.22	9.30	8.76	9.04
19	9.31	8.38	8.85	9.03	8.06	8.57	9.58	8.82	9.24	9.11	8.51	8.82
20	9.55	8.36	8.94	9.22	8.24	8.76	9.45	8.80	9.14	9.36	8.60	9.00
21	9.46	8.39	8.93	9.07	8.25	8.71	9.43	8.81	9.17	9.44	8.93	9.25
22	10.01	8.76	9.29	9.04	7.81	8.43	9.45	9.02	9.25	9.51	8.58	9.20
23	10.01	8.51	9.14	9.29	8.45	8.88	9.43	9.08	9.26	9.48	8.46	9.08
24	9.23	7.83	8.50	9.29	8.51	8.95	9.87	9.20	9.59	9.63	8.46	9.14
25	9.29	8.48	8.90	9.32	8.17	8.63	10.22	9.20	9.78	9.87	8.55	9.30
26	9.12	8.05	8.50	9.44	8.62	8.97	10.44	9.34	9.96	10.10	8.74	9.48
27	8.70	8.22	8.42	9.65	9.16	9.39	10.33	9.30	9.83	9.88	8.76	9.35
28	8.94	8.53	8.72	9.24	7.84	8.62	10.34	9.25	9.80	9.90	8.72	9.37
29	—	—	—	8.80	7.60	8.14	10.24	9.17	9.73	10.04	8.90	9.52
30	—	—	—	8.69	7.62	8.15	10.30	9.34	9.80	9.50	9.14	9.29
31	—	—	—	8.47	7.14	7.77	—	—	—	9.71	8.99	9.30
MONTH	10.01	6.95	8.53	9.65	7.14	8.45	10.44	7.30	9.12	10.10	8.42	9.24
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.59	9.15	9.40	9.01	8.51	8.76	9.44	8.46	8.99	9.70	8.77	9.30
2	9.58	8.96	9.32	9.36	8.64	9.02	9.73	8.62	9.25	9.43	8.54	9.09
3	9.37	8.87	9.17	9.60	8.83	9.18	10.03	8.97	9.58	9.25	8.42	8.90
4	9.55	8.88	9.22	9.80	8.94	9.37	9.90	8.93	9.44	9.39	8.44	9.04
5	9.87	8.91	9.55	9.83	8.64	9.38	9.77	8.77	9.35	9.50	8.72	9.19
6	9.83	8.85	9.44	9.73	8.64	9.25	9.84	8.77	9.41	9.55	9.05	9.36
7	9.89	8.85	9.44	9.99	8.79	9.50	9.69	8.92	9.32	9.60	9.09	9.40
8	9.91	8.83	9.40	10.08	8.93	9.55	—	—	—	9.74	9.08	9.47
9	9.79	8.75	9.30	10.13	8.82	9.52	9.68	9.32	9.50	9.91	9.18	9.58
10	9.63	8.57	9.15	10.12	9.04	9.56	9.49	9.19	9.33	10.13	9.12	9.61
11	9.66	8.42	9.09	10.22	9.12	9.66	9.63	9.17	9.41	10.10	9.03	9.55
12	9.66	8.59	9.14	9.94	9.30	9.66	9.78	9.13	9.45	10.02	8.97	9.51
13	9.45	8.65	9.09	9.83	9.40	9.67	9.87	9.11	9.53	10.13	9.15	9.67
14	9.41	8.58	9.06	9.73	9.17	9.47	10.04	9.01	9.55	10.28	9.17	9.78
15	9.44	8.75	9.10	9.63	8.93	9.27	10.10	9.10	9.63	10.35	9.35	9.99
16	9.10	8.68	8.86	9.62	8.72	9.22	10.06	8.99	9.56	10.88	9.92	10.44
17	9.16	8.44	8.83	9.57	8.53	9.11	10.12	9.03	9.63	10.18	9.33	9.86
18	8.97	8.38	8.69	9.49	8.33	8.99	9.88	8.78	9.44	9.61	9.07	9.29
19	9.16	8.15	8.74	9.59	8.44	9.07	9.71	8.78	9.32	9.50	8.96	9.19
20	9.45	8.29	8.91	9.62	8.51	9.17	9.87	8.78	9.46	9.58	9.05	9.31
21	9.61	8.33	9.06	9.75	8.51	9.18	9.60	8.84	9.32	9.64	9.07	9.38
22	9.56	8.40	9.06	9.68	8.53	9.15	9.43	8.84	9.19	9.98	9.30	9.68
23	10.02	8.78	9.41	9.50	8.54	9.03	9.29	8.92	9.11	9.89	9.01	9.47
24	9.78	8.70	9.23	9.49	8.42	9.05	9.23	8.86	9.05	9.93	9.16	9.57
25	9.60	8.54	9.14	9.30	8.58	9.01	9.25	8.66	9.01	9.87	8.74	9.25
26	9.54	8.58	9.14	9.32	8.76	9.12	9.55	8.84	9.20	9.65	8.94	9.34
27	9.33	8.76	9.04	9.46	8.75	9.09	9.59	8.77	9.19	9.82	8.94	9.39
28	9.14	8.67	8.94	8.95	8.61	8.73	9.76	8.99	9.35	9.63	8.78	9.24
29	8.97	8.63	8.80	9.11	8.57	8.89	9.72	8.98	9.36	9.69	9.02	9.35
30	8.85	8.56	8.70	9.28	8.55	8.91	9.75	8.88	9.37	9.84	9.23	9.53
31	—	—	—	9.43	8.55	9.05	9.74	8.89	9.37	—	—	—
MONTH	10.02	8.15	9.11	10.22	8.33	9.21	10.12	8.46	9.36	10.88	8.42	9.46

MISSISSIPPI RIVER DELTA
07381316 BAYOU JEAN LACROIX AT CUTOFF CANAL—Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 1994 to current year.

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: January 1994 to September 1994.

WATER TEMPERATURES: January 1994 to September 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum daily, 31,100 microsiemens, Feb. 22, 1994; minimum daily, 2,810 microsiemens, July 28, 1994.

WATER TEMPERATURES: Maximum daily, 34.6°C, June 30, 1994; minimum daily, 6.7°C, Jan. 31, 1994

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN
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	29500	13300	22500
27	30900	19400	25500
28	30700	21100	24600
29	22900	11100	16900
30	16600	7860	12300
31	15100	7240	9690
MONTH	---	---	---

MISSISSIPPI RIVER DELTA

07381316 BAYOU JEAN LACROIX AT CUTOFF CANAL--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	24600	6580	13400	29800	19300	25700	23100	11800	17000	17000	12700	14900
2	27900	12100	18100	23200	10000	18600	23800	15300	18900	14500	8860	12100
3	27500	15700	19900	22200	10700	15400	23100	16800	19100	16100	11000	13300
4	28500	16900	22000	24600	9120	15900	23200	15800	19200	13000	8260	10200
5	—	—	—	25600	11300	17600	25200	18300	21900	9680	7260	8310
6	—	—	—	27000	14600	20200	25200	19400	21900	15800	7650	11000
7	—	—	—	26700	18100	21800	22300	15700	19700	18400	10500	14000
8	28800	21400	24700	27200	19100	22500	22600	19400	21400	17900	12000	15300
9	29200	22600	25400	27600	19700	23900	25200	20200	22800	17900	12700	15000
10	29800	23800	27100	20400	11600	15400	25100	20900	22900	17800	11500	14400
11	27800	21600	24000	15300	10300	11100	25400	21200	23400	18100	8920	13800
12	22300	16700	20100	21800	14400	17900	26300	16600	22800	18600	12700	15100
13	20000	15500	18100	23000	16400	18800	18900	14700	16400	19100	13300	16000
14	20100	11200	14900	25500	16800	20500	20100	10400	15700	20900	14400	17700
15	23200	18400	21200	25800	17600	21600	22100	13800	17300	20800	15800	17900
16	24400	12700	18800	22800	17300	19700	18600	13700	16100	19900	16300	17700
17	29100	15000	21400	27100	11700	20300	17600	8750	12800	18200	13000	15800
18	29400	17800	22900	28300	17500	23100	18200	7690	12900	15300	9490	12500
19	30800	19900	25600	27400	19500	23200	18200	8490	12800	13500	8240	10800
20	31000	21400	26100	28600	21200	24500	16800	8480	11900	16500	7970	12000
21	30300	22100	25900	28200	22200	24600	15300	7520	11700	18400	13200	16000
22	31100	24100	27600	25400	18700	22900	15700	10700	12600	18900	13500	16300
23	31100	25300	26600	26000	19800	23000	13700	10100	11700	18300	12800	15300
24	27100	16600	22800	25500	20400	23000	19000	10200	15000	18500	13000	15500
25	27500	21000	24000	25300	19400	21900	19100	12000	15400	19400	14100	16500
26	26900	13700	21000	25500	20100	22800	18700	12300	15900	19400	15000	17400
27	22100	12000	15600	26100	22500	24200	19400	13600	16200	19600	16100	17700
28	26500	17000	22100	23500	20000	21700	18100	14000	16100	19600	16700	18200
29	—	—	—	21700	15100	18400	17500	14600	15900	19700	16400	18400
30	—	—	—	21500	12900	16700	18300	15400	16700	18000	13900	16600
31	—	—	—	20300	12000	15600	—	—	—	18100	12200	15400
MONTH	31100	6580	22000	29800	9120	20400	26300	7520	17100	20900	7260	14900
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17800	14900	16200	11500	6420	8760	10800	5670	7940	15500	10800	12700
2	17100	14800	16100	15000	8320	11600	12000	5670	8610	14100	6270	10500
3	19300	9420	16200	15800	10900	12500	12800	7870	9860	12200	3710	7820
4	20900	8880	16100	16300	11500	13600	12700	8080	9940	16000	3180	10300
5	21900	13400	17800	16600	12400	14400	11700	8720	9790	16800	8320	12400
6	18400	12900	15300	14600	12400	13400	10700	8320	9450	17300	10700	14100
7	18700	8500	14100	15100	12600	13900	10200	9200	9430	17500	11500	14600
8	18500	10400	14100	14700	13000	13900	—	—	—	18700	11700	15400
9	17700	11000	14000	14400	13300	13700	9770	9320	9460	19100	13200	15800
10	17300	9250	13700	15000	13700	14000	9410	9050	9310	18600	11900	14500
11	17000	5390	11800	14200	13500	13800	9080	8640	8920	18700	12500	14700
12	16900	6880	12000	14100	13200	13400	8660	8040	8360	18000	11600	14800
13	15800	7800	11900	13500	8680	11400	8080	7560	7880	17900	12800	15200
14	16100	5970	11600	9740	6390	7780	7560	5650	7040	19700	13700	16300
15	15500	7580	11600	9050	5760	6880	5790	5180	5420	20100	14300	17000
16	10700	3940	7860	9910	5750	7660	5790	4800	5300	21900	14500	17900
17	13000	3590	7460	10400	5580	7590	—	—	—	16100	14000	15400
18	9850	3990	6650	10400	5990	8190	—	—	—	14100	8790	11200
19	13700	4110	9000	10800	6140	8690	16200	11900	13500	15700	6900	9420
20	17200	4740	11000	12500	5900	8180	16800	11700	13900	20200	5880	11100
21	18100	9440	13100	11700	4530	7980	15600	12200	13500	20500	10900	14800
22	17300	10700	13600	11600	5320	8260	14200	10900	12500	22700	13000	18600
23	17500	11100	14000	10300	4620	7640	10900	6960	8840	22600	14600	17400
24	15200	11100	12800	10300	3220	7320	9870	4900	6860	22000	15200	18100
25	14600	9800	12100	9060	5200	7010	12200	4720	8400	21000	12100	16600
26	13800	10100	11900	9010	5010	7300	16100	8720	11300	20200	14100	16600
27	12500	10800	11500	9250	4430	7160	15700	7970	11900	21700	15400	17500
28	11600	9750	10800	4430	2810	3250	16900	10700	12800	20400	13200	16900
29	10400	7590	9060	7720	3540	5150	16500	10800	12800	21400	15100	17800
30	9330	6390	7730	9900	4770	6490	16300	11100	13100	23000	17500	19600
31	—	—	—	11000	5890	7710	16200	11400	13100	—	—	—
MONTH	21900	3590	12400	16600	2810	9630	16900	4720	9970	23000	3180	14800

MISSISSIPPI RIVER DELTA

07381316 BAYOU JEAN LACROIX AT CUTOFF CANAL—Continuedp

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.7	25.5	26.7	34.3	30.7	32.2	28.3	26.9	27.5	32.5	29.8	30.9
2	30.6	27.2	28.6	32.6	30.0	31.0	27.8	24.9	26.3	33.4	29.7	31.3
3	31.1	29.1	29.9	33.3	29.7	31.0	28.9	25.2	26.6	32.2	29.7	30.6
4	30.9	28.4	29.7	33.3	30.0	31.5	31.1	28.1	29.1	30.9	29.0	30.1
5	30.2	27.7	29.2	32.3	29.5	30.8	30.9	29.3	30.1	30.5	28.9	29.6
6	30.8	27.6	28.8	31.4	29.3	30.1	32.0	29.3	30.3	31.0	28.9	29.7
7	32.0	28.8	29.9	31.2	28.2	30.0	32.5	29.5	30.6	30.7	29.1	30.0
8	32.3	29.7	30.7	29.4	28.0	28.6	—	—	—	31.8	29.6	30.6
9	32.5	29.9	30.9	29.0	27.8	28.4	30.8	29.4	30.4	32.1	29.7	30.6
10	31.4	29.1	30.4	28.4	27.2	28.0	30.3	29.2	29.7	30.5	27.9	29.4
11	30.0	28.0	29.2	27.6	26.4	27.2	31.1	28.6	29.7	29.6	28.1	28.6
12	29.8	28.1	29.0	28.8	26.3	27.2	30.9	29.2	29.9	29.5	27.5	28.4
13	32.1	28.4	29.8	28.5	27.1	27.8	31.3	28.7	29.7	30.0	27.7	28.6
14	31.9	29.4	30.5	29.2	27.1	28.0	31.7	29.0	30.1	29.1	27.4	28.1
15	31.5	29.5	30.5	31.5	28.0	29.3	31.6	29.1	30.1	27.9	26.3	27.0
16	33.6	29.8	31.2	33.4	29.4	30.9	31.0	28.9	29.8	28.8	26.1	27.2
17	32.6	29.1	31.3	33.2	30.0	31.5	30.5	28.7	29.6	30.4	27.7	28.8
18	30.9	29.1	30.0	34.6	30.8	32.0	31.6	28.7	29.7	29.3	27.4	28.3
19	30.1	28.2	29.2	32.6	30.3	31.3	32.1	29.8	30.5	28.5	26.9	27.5
20	31.9	27.8	29.4	31.0	28.9	30.2	31.9	29.7	30.5	28.1	25.7	27.0
21	31.9	28.7	30.1	31.9	28.8	30.0	30.1	28.0	29.2	28.3	26.1	27.3
22	30.2	27.8	29.3	30.6	28.4	29.7	29.7	28.0	28.7	28.8	26.5	27.4
23	28.1	25.4	27.1	30.7	28.3	29.2	29.1	28.2	28.6	28.1	25.3	26.7
24	26.4	25.3	25.8	31.5	28.8	29.8	30.2	27.9	28.7	27.3	24.5	25.8
25	30.0	25.7	27.1	31.6	29.5	30.4	31.2	28.2	29.3	27.0	23.6	25.5
26	30.1	27.5	28.6	30.7	29.5	30.3	29.3	27.8	28.8	26.6	22.8	24.6
27	31.4	27.9	29.2	29.9	27.8	28.7	31.0	27.1	28.9	27.7	23.8	25.4
28	32.2	28.5	29.9	29.0	26.4	27.7	31.2	28.0	29.4	28.9	25.1	26.7
29	31.6	29.3	30.1	30.5	27.5	28.6	32.7	28.8	30.5	28.6	25.6	26.9
30	34.2	29.5	31.3	31.2	28.1	29.5	31.4	29.6	30.3	28.0	25.9	26.8
31	—	—	—	30.1	27.4	28.2	31.9	29.3	30.3	—	—	—
MONTH	34.2	25.3	29.4	34.6	26.3	29.6	32.7	24.9	29.4	33.4	22.8	28.2

MISSISSIPPI RIVER DELTA

07381324 BAYOU GRAND CAILLOU AT DULAC, LA

LOCATION.—Lat 29°22'58", long 90°42'55", in sec.86, T.19 S, R.17 E., St. Helena Meridian, Terrebonne Parish Hydrologic Unit 08090302, on downstream side of Bouquet Bridge, 0.1 mi west of intersection of parish road and Highway 57, 0.8 mi south of Dulac, 16.4 mi south of Houma.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1984 to Sept. 30, 1988 (daily discharges below 6.0 ft stage only, discontinued); January 1989 to current year.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Datum of gage is 4.00 ft below sea level. Prior to Oct. 1, 1985, datum of gage 2.00 ft higher.

REMARKS.—No estimated daily discharge. Records poor. No gage-height record: Nov. 30. No velocity record: Nov. 29, 30. Flow occasionally reversed as a result of tide and wind effect.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge recorded, 2,640 ft³/s, Oct. 13, 1984; maximum gage height, 8.89 ft, Oct. 28, 1985; maximum negative discharge, -1,470 ft³/s, Oct. 28, 1985; no flow at times each year.

EXTREMES FOR CURRENT PERIOD.—Maximum positive daily discharge recorded, 177 ft³/s, Jan. 18, but may have been higher during periods of missing record; maximum negative daily discharge recorded, -205 Sept. 15; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-72	68	50	-1.8	-2.0	11	-22	109	-30	-92	-82	-89
2	-55	11	-22	69	19	154	-42	49	-31	-88	-88	-78
3	-63	-33	-36	48	-6.5	91	16	35	-38	-75	-74	-92
4	-70	16	48	20	-67	92	-45	90	-54	-89	-82	-102
5	-90	15	7.1	-65	-27	45	-82	53	-97	-61	-82	-92
6	-50	42	56	-60	3.4	-22	53	-8.3	-15	-46	-93	-102
7	-94	9.2	50	-4.3	-35	20	24	-37	-42	-72	-68	-115
8	-142	47	22	-54	-52	-41	-29	-39	-51	-53	-96	-100
9	-99	92	-25	-47	-22	47	-65	-23	-48	-43	-98	-100
10	-49	-2.1	11	5.5	-49	133	-64	-8.8	-43	-63	-75	-95
11	-22	-88	47	-13	107	54	-97	-50	-56	-45	-106	-72
12	-41	-64	2.1	26	38	-5.4	19	-31	-73	-29	-79	-100
13	-52	-118	-13	20	34	32	159	-65	-46	4.7	-92	-144
14	-43	-56	103	37	-7.6	-6.5	92	-48	-79	-9.0	-84	-177
15	-32	88	53	27	68	19	-2.7	-22	-77	-33	-80	-205
16	-15	27	66	-119	11	22	172	-24	-59	-39	-77	-190
17	-38	97	60	154	-29	-19	94	27	-59	-45	-43	-30
18	-58	9.7	42	177	-26	35	76	23	-46	-51	-44	-24
19	-50	57	5.8	29	-47	9.9	36	-15	-74	-69	-41	-45
20	-9.0	35	120	28	-63	-30	48	-51	-79	-62	-75	-56
21	38	15	87	31	-65	7.3	13	-46	-78	-65	-45	-68
22	153	-16	67	-22	-55	-1.8	20	-58	-89	-58	-39	-126
23	32	-23	70	-55	21	-46	-17	-54	-46	-35	-58	-90
24	-7.3	-26	46	-66	17	45	-42	-73	-8.9	-48	-63	-87
25	-57	-28	93	-105	-41	76	-79	-80	-18	-46	-80	-51
26	-29	-31	7.9	-116	34	-118	-119	-79	-14	-54	-97	-77
27	33	-26	-16	-64	41	-37	-76	-56	-21	-48	-87	-78
28	-48	-18	-11	59	-31	115	-76	-80	-16	-59	-77	-82
29	98	---	44	156	---	50	-67	-90	-17	-80	-71	-101
30	168	---	32	42	---	30	-6.9	-9.8	-75	-77	-78	-152
31	89	---	-9.3	3.7	---	30	---	-35	---	-70	-78	---
TOTAL	-674.3	---	1057.6	140.1	-231.7	791.5	-109.6	-696.9	-1479.9	-1699.3	-2332	-2920
MEAN	-21.8	---	34.1	4.52	-8.28	25.5	-3.65	-22.5	-49.3	-54.8	-75.2	-97.3

MISSISSIPPI RIVER DELTA

07381324 BAYOU GRAND CAILLOU AT DULAC, LA--Continued

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.72	3.99	4.24	4.01	3.46	4.56	3.89	4.80	4.63	4.08	4.24	4.57
2	4.68	4.13	4.46	4.11	3.55	4.02	4.06	4.69	4.57	4.33	4.47	4.40
3	4.51	4.25	4.73	3.78	3.61	3.60	3.98	4.73	4.58	4.39	4.68	4.26
4	4.52	4.41	4.72	3.36	3.75	3.62	3.94	4.37	4.60	4.48	4.63	4.39
5	4.59	4.34	4.21	3.37	3.84	3.65	4.37	4.31	4.78	4.53	4.57	4.52
6	4.67	3.73	4.14	3.72	3.97	3.88	4.41	4.31	4.75	4.41	4.58	4.64
7	4.77	4.05	4.10	3.71	3.97	4.12	4.11	4.40	4.73	4.56	4.53	4.66
8	4.97	4.12	4.16	3.30	4.15	4.16	4.33	4.34	4.68	4.72	4.62	4.71
9	4.95	4.20	4.28	3.63	4.27	4.41	4.57	4.28	4.60	4.73	4.71	4.82
10	4.55	4.30	4.39	3.82	4.51	3.80	4.73	4.24	4.49	4.73	4.61	4.87
11	4.58	4.52	4.27	3.92	4.07	3.73	4.89	4.33	4.44	4.79	4.66	4.87
12	4.70	4.77	4.31	3.98	3.91	4.00	4.94	4.38	4.48	4.80	4.70	4.86
13	5.01	4.98	4.76	4.02	3.62	3.99	4.76	4.48	4.45	4.81	4.75	4.99
14	4.90	4.97	4.41	3.75	3.54	3.98	4.74	4.61	4.43	4.70	4.72	5.12
15	4.80	4.86	4.10	3.58	3.87	4.07	4.82	4.63	4.49	4.54	4.76	5.25
16	4.86	4.88	4.14	3.99	3.80	3.94	4.73	4.56	4.26	4.47	4.73	5.49
17	4.95	4.42	4.02	4.36	3.93	4.11	4.55	4.49	4.18	4.37	4.76	5.10
18	5.06	4.45	4.07	3.67	4.10	4.25	4.54	4.39	4.09	4.28	4.69	4.66
19	5.06	4.14	4.18	3.58	4.35	4.21	4.52	4.24	4.22	4.30	4.59	4.50
20	5.14	3.91	4.41	3.70	4.42	4.34	4.45	4.36	4.30	4.36	4.65	4.50
21	5.10	3.95	3.97	3.56	4.42	4.31	4.43	4.47	4.32	4.37	4.56	4.67
22	4.53	3.98	4.11	3.65	4.66	4.23	4.44	4.42	4.33	4.32	4.48	4.83
23	4.57	4.01	3.89	3.70	4.57	4.49	4.45	4.31	4.51	4.25	4.40	4.70
24	4.83	3.98	3.91	3.77	4.12	4.57	4.78	4.35	4.49	4.22	4.36	4.72
25	4.88	3.92	3.63	3.85	4.32	4.41	4.93	4.47	4.38	4.12	4.40	4.50
26	4.79	3.63	3.52	3.95	4.15	4.58	5.12	4.57	4.29	4.14	4.59	4.46
27	4.47	3.81	3.65	4.29	4.08	4.90	5.13	4.56	4.21	4.08	4.59	4.53
28	4.48	3.96	3.81	4.24	4.25	4.51	5.11	4.63	4.11	3.97	4.67	4.46
29	4.82	3.60	3.75	3.81	---	4.03	5.10	4.75	3.98	4.10	4.65	4.56
30	4.26	---	3.46	3.72	---	3.98	5.09	4.61	3.97	4.14	4.65	4.80
31	3.84	---	3.78	3.55	---	3.77	---	4.58	---	4.23	4.62	---
MAX	5.14	---	4.76	4.36	4.66	4.90	5.13	4.80	4.78	4.81	4.76	5.49
MIN	3.84	---	3.46	3.30	3.46	3.60	3.89	4.24	3.97	3.97	4.24	4.26

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA (INSIDE)

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.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1993 to September 1994.

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is sea level reported by LA Department of Natural Resources, Coastal Restoration Division.

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 2.12 ft, Sept. 16, 1994; minimum gage height, 0.00 ft, Jan. 26, 1994.

EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 2.12 ft, Sept. 16; minimum gage height, 0.00 ft, Jan. 26.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.56	1.27	1.42	1.46	1.30	1.37	1.22	.98	1.09	1.11	.74	.89
2	1.59	1.19	1.39	1.34	1.19	1.25	1.28	1.13	1.20	1.20	.86	1.00
3	1.41	1.09	1.25	1.34	1.11	1.22	1.37	1.26	1.33	1.03	.63	.84
4	1.44	1.07	1.26	1.44	1.15	1.29	1.43	1.33	1.38	.63	.46	.51
5	1.51	1.09	1.31	1.47	1.20	1.31	1.33	1.19	1.27	.62	.46	.50
6	1.63	1.17	1.39	1.27	.72	.99	1.24	1.17	1.21	.78	.47	.62
7	1.61	1.22	1.44	.91	.63	.69	1.18	1.11	1.14	.78	.56	.66
8	1.81	1.47	1.64	1.03	.80	.92	1.20	1.11	1.15	.65	.46	.54
9	1.88	1.35	1.65	1.08	.87	.97	1.24	1.13	1.17	.68	.51	.58
10	1.44	1.16	1.33	1.22	.86	1.01	1.42	1.09	1.23	.74	.60	.66
11	1.49	1.10	1.34	1.42	1.02	1.17	1.42	1.02	1.17	1.01	.66	.79
12	1.52	1.25	1.42	1.52	1.15	1.32	1.41	.96	1.14	1.06	.80	.95
13	1.78	1.46	1.66	1.60	1.33	1.47	1.61	1.31	1.47	1.24	.99	1.14
14	1.72	1.44	1.57	1.64	1.47	1.57	1.62	1.23	1.39	1.14	.90	1.00
15	1.75	1.28	1.52	1.69	1.49	1.62	1.28	1.03	1.15	.90	.68	.78
16	1.80	1.36	1.59	1.76	1.62	1.68	1.30	.98	1.11	1.08	.67	.77
17	1.88	1.36	1.66	1.89	1.72	1.80	1.09	.86	.97	1.36	.97	1.20
18	1.98	1.51	1.76	1.72	1.60	1.65	1.08	.86	.98	.97	.70	.82
19	2.00	1.42	1.75	1.63	1.52	1.58	1.22	.95	1.03	.70	.56	.61
20	2.05	1.60	1.84	1.52	1.31	1.41	1.36	1.15	1.27	.76	.50	.60
21	2.02	1.51	1.84	1.31	1.23	1.26	1.15	.94	1.02	.72	.45	.55
22	1.59	1.21	1.41	1.24	1.10	1.15	1.18	.91	1.04	.79	.45	.57
23	1.46	1.25	1.37	1.14	1.01	1.06	1.17	.97	1.05	.86	.45	.61
24	1.60	1.41	1.53	1.10	.94	1.00	1.11	.88	.98	.86	.51	.66
25	1.66	1.49	1.57	1.04	.85	.94	1.08	.75	.86	1.00	.55	.73
26	1.70	1.41	1.53	1.04	.78	.86	.82	.61	.69	1.12	.00	.72
27	1.48	.99	1.28	.90	.62	.76	1.00	.62	.73	1.48	.79	1.10
28	1.49	.95	1.15	1.01	.68	.82	1.03	.71	.84	1.48	.84	1.07
29	1.90	1.30	1.52	1.07	.82	.93	1.02	.74	.86	.89	.63	.72
30	1.92	1.64	1.77	1.09	.81	.94	.75	.53	.63	.72	.52	.61
31	1.64	1.46	1.52	--	--	--	.86	.59	.73	.58	.30	.46
MONTH	2.05	.95	1.51	1.89	.62	1.20	1.62	.53	1.07	1.48	.00	.75

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA (INSIDE)—Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.68	.17	.37	1.62	1.06	1.40	1.07	.77	.93	1.74	1.68	1.70
2	.76	.22	.46	1.39	.86	1.16	1.09	1.04	1.07	1.69	1.66	1.67
3	.80	.27	.49	1.00	.73	.84	1.09	1.05	1.07	1.68	1.65	1.67
4	.96	.34	.62	.98	.64	.80	1.06	1.03	1.04	1.65	1.61	1.63
5	1.12	.44	.74	1.04	.56	.79	1.11	1.05	1.08	1.61	1.57	1.59
6	1.16	.61	.84	1.30	.66	.94	1.15	1.11	1.13	1.57	1.53	1.55
7	1.11	.60	.83	1.25	.88	1.07	1.13	1.08	1.10	1.53	1.51	1.52
8	1.37	.78	1.00	1.23	.94	1.07	1.11	1.08	1.10	1.51	1.48	1.50
9	1.38	.87	1.10	1.31	1.13	1.24	1.14	1.08	1.12	1.48	1.24	1.44
10	1.56	1.18	1.37	1.30	1.27	1.29	1.18	1.14	1.17	1.43	1.21	1.35
11	1.30	.86	1.01	1.27	1.25	1.26	1.22	1.18	1.21	1.44	1.40	1.42
12	.92	.76	.83	1.25	1.22	1.24	1.68	1.22	1.41	1.42	1.38	1.40
13	.83	.37	.63	1.23	1.20	1.22	1.68	1.63	1.65	1.40	1.37	1.38
14	.74	.34	.50	1.21	1.18	1.19	1.63	1.62	1.63	1.41	1.36	1.40
15	.82	.59	.73	1.19	1.17	1.18	1.64	1.61	1.62	1.40	1.38	1.39
16	.88	.52	.69	1.17	1.13	1.15	1.72	1.64	1.70	1.38	1.36	1.38
17	1.14	.55	.81	1.19	1.11	1.15	1.70	1.65	1.67	1.42	1.34	1.38
18	1.18	.68	.93	1.20	1.12	1.16	1.65	1.62	1.63	1.41	1.38	1.40
19	1.35	.88	1.12	1.20	1.13	1.17	1.62	1.59	1.60	1.38	1.32	1.35
20	1.50	.92	1.22	1.22	1.14	1.18	1.59	1.56	1.57	1.42	1.32	1.35
21	1.48	.98	1.23	1.21	1.16	1.19	1.59	1.56	1.58	1.42	1.28	1.37
22	1.76	1.18	1.46	1.21	1.14	1.17	1.57	1.55	1.56	1.44	1.29	1.36
23	1.76	1.22	1.41	1.25	1.18	1.22	1.62	1.54	1.57	1.32	1.25	1.29
24	1.34	.89	1.09	1.28	1.24	1.26	1.65	1.62	1.64	1.32	1.24	1.27
25	1.38	1.04	1.19	1.28	1.21	1.25	1.67	1.63	1.65	1.37	1.23	1.29
26	1.25	.89	1.05	1.31	1.21	1.27	1.76	1.67	1.71	1.42	1.24	1.33
27	1.08	.90	.98	1.38	1.31	1.34	1.77	1.73	1.75	1.35	1.27	1.32
28	1.19	.94	1.08	1.40	1.29	1.37	1.76	1.73	1.74	1.41	1.27	1.33
29	—	—	—	1.29	1.24	1.27	1.75	1.73	1.74	1.48	1.34	1.40
30	—	—	—	1.24	1.18	1.21	1.74	1.73	1.73	1.47	1.41	1.43
31	—	—	—	1.18	.95	1.11	—	—	—	1.55	1.40	1.46
MONTH	1.76	.17	.92	1.62	.56	1.17	1.77	.77	1.44	1.74	1.21	1.43
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.54	1.52	1.53	.95	.66	.79	1.17	.78	.98	1.51	1.08	1.33
2	1.52	1.48	1.51	1.21	.78	1.02	1.41	.80	1.17	1.36	.88	1.17
3	1.50	1.46	1.49	1.29	.87	1.10	1.61	1.07	1.39	1.18	.80	1.00
4	1.63	1.40	1.50	1.42	.88	1.19	1.57	1.13	1.33	1.27	.80	1.08
5	1.83	1.40	1.66	1.53	.97	1.25	1.49	1.08	1.29	1.36	.93	1.20
6	1.74	1.46	1.65	1.39	.92	1.15	1.49	1.06	1.28	1.41	1.16	1.33
7	1.80	1.45	1.62	1.59	.92	1.30	1.47	.97	1.23	1.45	1.22	1.34
8	1.75	1.41	1.58	1.68	1.23	1.45	1.49	.97	1.29	1.49	1.20	1.37
9	1.68	1.29	1.50	1.80	1.17	1.46	1.50	1.20	1.35	1.62	1.30	1.47
10	1.53	1.21	1.39	1.68	1.30	1.49	1.37	1.22	1.30	1.72	1.31	1.52
11	1.55	1.12	1.31	1.80	1.32	1.56	1.40	1.23	1.32	1.73	1.28	1.51
12	1.51	1.15	1.33	1.77	1.46	1.59	1.48	1.23	1.36	1.69	1.28	1.50
13	1.44	1.11	1.29	1.78	1.59	1.66	1.57	1.25	1.42	1.74	1.42	1.59
14	1.39	1.09	1.25	1.63	1.46	1.57	1.62	1.18	1.42	1.84	1.48	1.68
15	1.42	1.09	1.27	1.52	1.26	1.42	1.63	1.21	1.45	1.91	1.52	1.78
16	1.21	.95	1.08	1.44	1.15	1.32	1.63	1.15	1.39	2.12	1.81	2.00
17	1.08	.83	.98	1.36	1.02	1.21	1.62	1.18	1.42	1.86	1.57	1.78
18	.98	.76	.87	1.28	.86	1.10	1.63	1.17	1.42	1.57	1.32	1.45
19	1.14	.76	.96	1.31	.88	1.10	1.56	1.13	1.33	1.32	1.18	1.24
20	1.35	.77	1.08	1.50	.86	1.17	1.68	1.09	1.40	1.35	1.04	1.17
21	1.39	.75	1.10	1.48	.91	1.18	1.48	1.15	1.32	1.44	1.14	1.29
22	1.40	.76	1.09	1.37	.94	1.13	1.33	1.06	1.21	1.59	1.39	1.48
23	1.57	.88	1.25	1.25	.90	1.06	1.23	1.12	1.16	1.62	1.08	1.34
24	1.48	1.07	1.27	1.25	.86	1.04	1.17	1.00	1.10	1.52	1.18	1.36
25	1.38	1.02	1.20	1.04	.85	.95	1.26	.94	1.11	1.48	.88	1.16
26	1.29	.88	1.11	1.05	.81	.95	1.53	1.13	1.27	1.32	.92	1.12
27	1.15	.94	1.03	1.03	.83	.93	1.47	1.07	1.29	1.41	.92	1.19
28	1.00	.83	.92	.83	.66	.77	1.54	1.18	1.37	1.31	.90	1.11
29	.87	.71	.79	.95	.73	.83	1.55	1.14	1.37	1.38	1.03	1.20
30	.80	.61	.73	1.05	.73	.87	1.55	1.17	1.38	1.50	1.18	1.40
31	—	—	—	1.15	.72	.96	1.56	1.13	1.38	—	—	—
MONTH	1.83	.61	1.24	1.80	.66	1.18	1.68	.78	1.31	2.12	.80	1.37

MISSISSIPPI RIVER DELTA
07381326 BAYOU LACARPE NEAR CROZIER, LA (INSIDE)--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to September 1994.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1993 to September 1994.

WATER TEMPERATURES: October 1993 to September 1994.

REMARKS.--Specific conductance sensor only furnished satisfactory data when specific conductance values were above 200 microsiemens.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 24,500 microsiemens, Sept. 16, 1994; minimum daily, less than 200 microsiemens on several days during the water year, 1994.

WATER TEMPERATURES: Maximum daily, 33.0°C, July 4, 1994; minimum daily, 6.2°C, Dec. 25, 1993.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	--	--	--	<200	<200	<200	1070	424	658	1130	750	905
2	--	--	--	428	<200	--	1060	436	655	1320	761	955
3	--	--	--	605	<200	--	579	445	461	1090	966	1030
4	--	--	--	752	368	541	466	455	461	1520	893	1110
5	--	--	--	806	548	663	776	466	514	1260	795	986
6	--	--	--	548	<200	--	780	476	563	1520	812	1170
7	--	--	--	409	<200	--	960	487	650	1520	819	1180
8	--	--	--	367	<200	--	1140	618	807	1470	866	1110
9	--	--	--	377	228	303	1220	642	867	1650	835	1160
10	--	--	--	779	243	425	1050	528	786	1490	845	1130
11	--	--	--	873	216	451	1100	529	731	1530	856	1140
12	--	--	--	830	224	502	1130	540	722	1240	1040	1130
13	--	--	--	3400	684	1790	561	550	555	1180	897	1070
14	--	--	--	9970	3400	7790	571	561	566	1600	798	1120
15	--	--	--	10500	3110	7750	878	571	625	1410	1040	1210
16	--	--	--	3460	1500	2270	964	582	676	1360	945	1200
17	--	--	--	1500	368	881	1070	593	740	1730	565	721
18	--	--	--	728	302	463	1160	604	852	1130	638	858
19	--	--	--	760	369	546	934	624	861	1170	725	932
20	--	--	--	671	317	450	1200	624	825	1580	933	1180
21	--	--	--	609	318	374	1120	720	864	1610	960	1290
22	--	--	--	723	329	413	880	653	724	1590	418	1140
23	--	--	--	856	340	493	799	655	680	1640	340	1060
24	--	--	--	1010	368	581	676	666	671	1660	321	1120
25	--	--	--	949	364	577	1050	676	751	1800	509	1190
26	--	--	--	637	385	491	1060	687	778	1870	512	1140
27	--	--	--	648	382	441	1230	698	894	1180	597	766
28	748	251	439	861	392	505	1290	708	1040	751	480	612
29	576	<200	--	901	403	552	1090	719	916	1230	573	924
30	<200	<200	<200	1000	413	603	1070	779	878	1650	1220	1390
31	<200	<200	<200	--	--	--	1070	740	846	1950	1270	1560
MONTH	748	200	--	10500	200	--	1290	424	730	1950	321	1080

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

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA (INSIDE)—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX MIN MEAN			MAX MIN MEAN			MAX MIN MEAN			MAX MIN MEAN		
	FEBRUARY			MARCH			APRIL			MAY		
1	1670	<200	—	739	224	429	662	<200	—	384	259	311
2	1580	<200	—	913	229	472	769	<200	—	436	<200	—
3	1770	209	887	1670	904	1240	932	243	567	614	235	391
4	1900	241	979	2130	1310	1680	1200	495	767	611	<200	—
5	2050	447	1080	2070	655	1450	879	404	594	810	285	514
6	2100	420	1070	2020	396	1250	442	<200	—	887	312	572
7	2110	404	1220	1470	377	818	673	<200	—	892	435	651
8	1920	464	1000	1600	439	1000	623	<200	—	1050	603	762
9	1390	541	828	940	<200	—	662	<200	—	1120	637	847
10	945	<200	589	1170	<200	—	731	326	481	1100	748	923
11	861	<200	—	1340	729	997	729	373	509	1080	672	882
12	1640	622	1160	1360	678	1010	531	246	398	1030	630	817
13	1930	1400	1640	1500	878	1130	521	<200	—	961	513	754
14	1730	269	1180	1660	924	1230	743	312	520	715	361	505
15	1680	264	788	1280	1010	1130	805	345	639	756	288	475
16	1770	568	1200	1410	1090	1240	610	285	435	603	277	420
17	1870	283	1110	1510	720	1120	785	413	543	506	<200	—
18	1350	317	737	1510	536	1040	962	466	650	688	<200	—
19	827	349	540	1460	530	983	1080	611	798	686	<200	—
20	801	370	534	1090	415	777	1110	691	847	545	<200	—
21	767	349	506	829	367	577	1200	715	883	508	<200	—
22	721	334	491	919	379	577	1210	795	960	557	<200	—
23	731	256	465	824	449	598	1200	837	943	563	<200	—
24	705	<200	—	718	477	575	1020	781	898	627	<200	—
25	943	<200	—	681	396	519	786	445	650	514	<200	—
26	879	212	577	649	325	480	671	418	519	527	<200	—
27	1170	503	776	720	300	544	773	379	525	474	<200	—
28	1230	394	736	300	<200	—	818	362	537	500	<200	—
29	—	—	—	688	<200	—	730	351	510	422	<200	—
30	—	—	—	1100	402	682	685	301	468	401	<200	—
31	—	—	—	911	311	586	—	—	—	345	<200	—
MONTH	2110	200	—	2130	200	—	1210	200	—	1120	200	—
	JUNE			JULY			AUGUST			SEPTEMBER		
1	448	<200	—	1020	<200	—	660	<200	—	637	257	509
2	379	<200	—	707	<200	—	569	<200	—	883	416	610
3	428	<200	—	458	<200	—	354	<200	—	1060	516	668
4	355	<200	—	225	<200	—	382	<200	—	674	297	514
5	330	<200	—	<200	<200	—	326	<200	—	685	337	488
6	343	<200	—	331	<200	—	600	303	421	693	215	428
7	293	<200	—	230	<200	—	677	<200	—	698	247	434
8	319	<200	—	253	<200	—	726	296	578	589	243	374
9	294	<200	—	413	<200	—	863	<200	—	564	<200	—
10	382	<200	—	706	<200	—	956	361	672	608	<200	—
11	276	<200	—	828	<200	—	915	298	609	503	<200	—
12	307	<200	—	721	<200	—	793	<200	—	551	<200	—
13	995	<200	—	575	<200	—	557	<200	—	654	244	404
14	473	<200	—	684	<200	—	465	<200	—	4230	234	1730
15	492	<200	—	702	<200	—	417	<200	—	7710	1570	4150
16	860	<200	—	700	<200	—	405	<200	—	24500	7660	16900
17	870	432	569	717	<200	—	430	<200	—	23800	9720	17400
18	971	<200	—	845	<200	—	544	282	417	10900	4000	7530
19	775	<200	—	655	<200	—	703	367	539	4000	1850	2810
20	588	<200	—	607	<200	—	703	266	464	1850	1430	1600
21	521	<200	—	676	<200	—	665	266	495	1520	919	1360
22	471	<200	—	603	408	493	833	498	605	1620	472	1010
23	429	<200	—	682	402	516	784	466	578	1490	847	1150
24	308	<200	—	796	401	574	752	419	559	1530	616	1010
25	2270	<200	—	884	458	637	893	420	610	1350	725	1010
26	744	<200	—	846	482	618	757	426	572	1330	<200	—
27	1070	473	824	600	460	541	808	260	557	1220	<200	—
28	1150	638	888	852	360	582	961	<200	—	1350	<200	—
29	1150	674	876	980	422	643	917	242	548	975	<200	—
30	1050	690	837	929	<200	—	680	<200	—	691	<200	—
31	—	—	—	698	<200	—	652	263	481	—	—	—
MONTH	2270	200	—	1020	200	—	961	200	—	24500	200	—

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

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA (INSIDE)—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.3	24.2	25.3	12.4	10.2	11.6	15.4	12.8	14.1	11.4	9.8	10.5
2	26.9	25.0	25.8	13.8	11.1	12.6	17.1	14.0	15.5	14.0	10.8	12.4
3	26.3	24.1	25.5	16.2	13.8	15.0	17.5	14.5	15.6	13.2	10.7	12.2
4	26.8	24.6	25.7	18.9	16.2	17.6	16.9	15.4	16.0	12.1	9.2	10.6
5	27.2	25.0	25.9	20.8	18.9	20.0	16.7	14.9	15.8	11.3	7.9	9.7
6	26.7	25.3	25.9	20.5	16.0	18.7	15.9	14.7	15.2	12.1	9.5	10.9
7	27.1	25.3	26.0	16.0	13.2	14.1	15.3	13.3	14.3	14.2	12.0	13.3
8	26.3	25.2	25.7	13.3	12.0	12.6	16.5	14.1	15.0	12.7	9.9	11.0
9	27.0	25.3	25.9	13.2	12.7	13.0	17.3	14.4	15.7	11.3	8.1	9.6
10	26.1	24.2	25.1	15.8	12.8	14.2	16.6	13.8	15.7	11.8	8.7	10.2
11	24.8	22.9	23.7	16.7	13.5	15.1	16.2	13.6	15.0	13.0	10.6	11.9
12	23.4	22.7	23.1	17.8	15.1	16.3	14.6	12.5	13.6	13.6	12.7	13.2
13	23.0	22.6	22.7	20.2	16.1	17.8	14.1	12.5	13.1	13.1	10.3	11.8
14	23.1	22.1	22.6	20.9	17.2	18.7	13.8	11.6	12.8	11.9	8.8	10.4
15	23.9	21.6	22.3	21.2	18.8	19.8	13.2	11.3	12.2	12.5	10.0	11.1
16	23.7	21.8	22.4	22.5	20.2	21.4	12.3	10.2	11.4	12.0	9.9	11.1
17	24.8	22.1	22.9	22.3	19.9	21.4	11.9	9.9	10.9	13.3	11.0	12.0
18	25.2	22.7	23.4	19.9	17.3	18.3	13.2	11.1	12.1	12.3	8.5	10.2
19	25.9	23.1	24.0	18.8	17.0	18.0	13.1	12.5	12.9	8.5	6.2	7.5
20	25.8	23.5	24.4	18.8	15.8	17.4	15.2	12.5	13.7	11.0	7.2	8.8
21	24.8	23.4	23.8	15.8	13.1	14.3	14.8	12.9	13.7	12.5	9.3	10.7
22	23.6	19.6	21.3	14.4	12.2	13.2	13.2	10.3	11.9	13.0	9.4	10.9
23	20.6	18.8	19.6	15.5	12.5	13.9	10.3	9.3	9.8	14.2	10.0	11.5
24	21.1	19.5	20.3	17.4	14.4	15.7	9.4	7.4	8.4	14.8	10.0	12.7
25	21.6	20.5	21.0	17.9	15.2	16.4	9.0	6.2	7.5	18.3	11.0	14.2
26	22.9	20.7	21.6	16.5	15.0	15.7	9.8	6.6	8.2	19.9	11.1	15.1
27	22.4	20.3	21.4	15.0	12.9	13.9	11.7	8.6	10.2	17.1	12.1	13.9
28	21.5	19.2	20.5	13.2	10.7	12.2	14.5	10.7	12.9	16.1	13.1	14.6
29	21.2	20.7	21.0	13.6	11.1	12.6	14.4	12.4	13.6	15.1	12.3	13.9
30	21.1	14.1	17.8	14.3	11.7	13.2	12.4	10.3	11.2	12.3	9.5	10.8
31	14.1	11.6	12.7	—	—	—	10.6	8.4	9.7	11.4	7.8	9.6
MONTH	27.2	11.6	22.9	22.5	10.2	15.8	17.5	6.2	12.8	19.9	6.2	11.5
	FEBRUARY			MARCH			APRIL			MAY		
1	11.3	8.5	9.9	16.3	14.4	15.0	18.8	15.1	17.1	24.8	23.9	24.3
2	11.3	7.5	9.4	15.4	14.0	14.8	20.2	16.3	18.1	23.9	22.9	23.3
3	11.2	8.2	9.7	16.0	12.0	13.9	19.8	18.0	18.9	24.0	23.3	23.6
4	11.2	10.2	10.7	18.3	12.9	15.4	21.2	17.8	19.3	23.8	23.0	23.3
5	15.5	11.1	12.8	16.5	14.5	15.6	21.4	18.9	20.0	23.9	22.7	23.3
6	19.0	11.6	14.8	17.5	14.6	16.0	20.0	18.3	19.2	23.8	22.7	23.2
7	19.8	12.7	16.1	18.9	14.5	16.3	18.4	16.2	17.4	24.1	23.1	23.5
8	20.8	13.3	16.3	23.1	15.3	18.8	20.2	17.0	18.5	25.0	23.9	24.2
9	20.5	14.8	16.9	18.8	15.7	17.0	22.3	18.6	20.2	26.4	24.6	25.0
10	17.5	15.6	16.4	18.6	14.3	16.0	23.8	20.5	21.9	25.9	24.6	25.1
11	17.6	14.1	15.9	18.6	13.9	15.8	24.1	21.4	22.6	26.3	25.4	25.9
12	17.5	15.1	16.2	18.6	14.1	16.1	23.1	21.2	21.9	26.9	25.7	26.3
13	16.7	14.1	16.0	18.7	15.4	16.8	22.2	20.9	21.4	27.5	26.2	26.8
14	14.6	11.4	13.1	21.8	16.0	18.3	23.9	21.8	22.4	27.0	26.1	26.5
15	14.5	12.2	13.4	19.7	17.4	18.0	24.4	22.8	23.7	26.6	25.7	26.1
16	14.2	13.5	13.8	18.4	17.1	17.7	22.9	22.3	22.7	26.2	25.7	26.0
17	14.2	12.2	13.4	18.2	15.8	17.1	22.3	21.2	21.8	25.9	25.2	25.6
18	15.1	12.5	13.6	18.0	16.8	17.2	22.5	21.0	21.7	25.7	24.5	25.0
19	15.0	12.7	13.8	18.8	17.0	18.1	22.7	21.4	22.0	25.4	24.1	24.6
20	15.7	13.3	14.2	18.9	17.5	18.4	23.2	21.8	22.5	26.3	23.5	24.8
21	16.5	13.3	14.5	18.6	17.8	18.2	23.4	22.0	22.6	26.2	24.3	25.3
22	15.4	13.3	14.3	20.1	18.2	19.0	24.0	22.6	23.2	26.1	24.5	25.3
23	18.0	14.7	16.1	20.3	18.8	19.4	23.9	23.1	23.5	26.4	24.8	25.7
24	16.8	13.2	14.9	20.4	19.2	19.7	24.9	23.0	23.8	27.0	24.9	25.9
25	17.3	12.2	14.7	21.2	19.5	20.1	24.6	23.3	24.0	27.2	25.3	26.1
26	17.5	14.7	15.9	20.9	19.6	20.1	24.6	23.7	24.1	26.8	25.5	26.1
27	16.5	13.2	15.0	21.1	19.9	20.5	25.9	24.1	24.8	26.3	25.6	26.1
28	16.4	13.6	15.2	20.6	16.6	19.4	26.0	24.6	25.2	27.1	25.4	26.0
29	—	—	—	18.1	13.6	15.6	25.8	24.6	25.0	26.3	24.8	25.4
30	—	—	—	20.1	15.6	17.7	25.4	24.6	25.0	26.0	24.7	25.3
31	—	—	—	20.2	16.0	18.1	—	—	—	25.6	24.6	25.1
MONTH	20.8	7.5	14.2	23.1	12.0	17.4	26.0	15.1	21.8	27.5	22.7	25.1

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA (INSIDE)--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.6	24.1	25.2	32.1	28.9	30.2	28.6	26.1	27.5	30.4	27.2	28.6
2	27.1	25.3	26.2	32.7	29.8	30.9	27.8	25.9	27.1	29.6	26.7	27.9
3	27.7	26.1	26.9	32.8	29.8	31.0	30.0	25.7	28.0	29.3	26.3	27.8
4	28.1	26.6	27.3	33.0	29.9	31.4	31.0	27.8	29.2	30.9	27.0	29.2
5	28.2	26.9	27.5	31.5	30.0	31.0	30.3	28.0	29.0	31.3	27.6	29.4
6	28.8	26.8	27.7	33.0	29.2	31.0	30.9	26.8	28.6	32.0	29.0	30.1
7	29.3	27.5	28.3	32.1	29.3	30.7	30.2	26.6	28.0	31.5	29.2	30.2
8	30.2	27.7	29.0	31.0	28.0	29.7	30.9	25.8	27.9	30.4	29.6	30.0
9	30.5	28.5	29.5	29.5	26.1	27.6	30.1	26.2	27.9	31.1	30.0	30.4
10	30.1	27.7	28.9	29.2	25.6	26.9	29.7	26.1	27.7	30.6	27.9	29.7
11	29.8	26.7	28.0	27.5	25.2	25.9	29.7	27.2	28.3	29.8	26.7	28.7
12	29.3	26.8	28.1	26.1	24.6	25.4	29.5	28.5	29.0	29.2	26.4	28.0
13	30.8	26.8	28.5	26.8	24.8	25.6	30.7	28.6	29.5	30.4	26.2	28.8
14	30.7	26.7	28.7	28.5	25.5	26.8	31.6	29.3	30.1	30.2	28.4	29.2
15	31.5	27.3	29.4	28.8	26.5	27.5	31.6	29.3	30.3	28.7	28.0	28.4
16	31.1	27.4	29.2	29.0	26.4	27.4	31.8	29.0	30.1	28.0	27.4	27.7
17	30.6	27.5	28.7	28.4	26.5	27.3	30.6	28.4	29.5	28.9	27.3	27.8
18	30.0	26.2	27.9	29.5	26.5	27.8	31.2	27.7	29.4	29.0	26.6	27.6
19	30.0	27.3	28.6	28.9	27.0	27.7	31.7	27.2	29.2	27.2	25.0	26.1
20	30.6	27.1	28.9	28.3	26.4	27.3	31.3	27.4	29.6	26.1	23.9	25.0
21	31.5	26.6	29.3	28.6	26.6	27.5	30.1	26.5	28.2	26.9	24.2	25.5
22	30.7	27.2	29.2	28.0	26.9	27.4	28.2	25.7	26.6	27.5	26.4	27.0
23	28.9	27.3	28.3	28.8	26.5	27.5	27.0	25.5	26.1	27.6	25.2	26.4
24	28.4	26.0	27.2	30.4	26.3	27.9	27.6	25.5	26.5	26.2	24.8	25.6
25	29.5	25.0	27.0	30.8	26.9	28.6	28.7	25.6	27.1	26.4	23.3	24.9
26	29.7	26.0	27.8	29.9	27.6	28.7	28.1	26.8	27.4	25.3	23.5	24.5
27	30.5	26.8	28.4	28.7	27.2	27.9	28.5	26.5	27.5	25.9	24.1	25.1
28	31.1	27.0	28.9	30.4	25.9	27.9	29.3	27.5	28.6	26.1	24.1	25.3
29	31.2	27.4	29.2	29.8	26.4	28.0	29.7	27.9	28.8	27.3	25.0	26.1
30	32.0	27.8	29.7	29.0	27.6	28.2	29.7	27.4	28.8	28.1	26.1	26.9
31	---	---	---	28.5	26.1	27.9	30.3	27.2	28.8	---	---	---
MONTH	32.0	24.1	28.2	33.0	24.6	28.3	31.8	25.5	28.4	32.0	23.3	27.6

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA (OUTSIDE)

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.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1993 to September 1994.

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is sea level reported by LA Department of Natural Resources, Coastal Restoration Division.

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 2.36 ft, Apr. 12, 1994; minimum gage height, -0.39 ft, Jan. 8, 1994.

EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 2.36 ft, Apr. 12; minimum gage height, -0.39 ft, Jan. 8.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.51	1.28	1.40	1.00	.62	.81	1.32	.63	.98	1.17	.54	.82
2	1.55	1.24	1.39	1.13	.45	.80	1.48	.90	1.21	1.22	.66	.92
3	1.40	1.10	1.26	1.21	.35	.95	1.64	1.21	1.44	1.11	.46	.71
4	1.42	1.10	1.26	1.42	.94	1.17	1.73	1.16	1.48	.48	.17	.32
5	1.46	1.13	1.30	1.46	.98	1.22	1.22	.92	1.07	.60	.02	.25
6	1.54	1.18	1.37	1.21	.44	.78	1.16	.78	.98	.77	.19	.51
7	1.54	1.27	1.42	.91	.41	.55	1.18	.77	.95	.74	.31	.50
8	1.65	1.48	1.57	1.02	.67	.86	1.32	.71	.98	.64	-.39	.16
9	1.71	1.40	1.59	1.08	.69	.90	1.41	.81	1.09	.85	-.03	.40
10	1.43	1.19	1.34	1.22	.65	.91	1.44	.72	1.18	.89	.24	.53
11	1.47	1.20	1.33	1.53	.76	1.07	1.43	.87	1.09	1.04	.30	.64
12	1.49	1.24	1.40	1.60	.96	1.27	1.49	.80	1.10	1.06	.30	.71
13	1.66	1.44	1.59	1.75	1.24	1.48	1.74	1.25	1.53	1.12	.62	.83
14	1.66	1.46	1.56	1.78	1.37	1.60	1.75	1.05	1.32	1.03	.42	.66
15	1.64	1.36	1.50	1.79	1.35	1.55	1.25	.81	1.02	.74	.27	.46
16	1.68	1.42	1.56	1.76	1.30	1.54	1.32	.81	1.02	1.25	.41	.74
17	1.70	1.48	1.61	1.87	1.12	1.55	1.08	.68	.90	1.51	.71	1.20
18	1.75	1.54	1.67	1.36	.97	1.18	1.13	.72	.93	.86	.41	.60
19	1.79	1.42	1.67	1.45	1.01	1.21	1.22	.87	1.00	.71	.35	.50
20	2.03	1.63	1.79	1.15	.63	.82	1.36	1.03	1.24	.86	.35	.58
21	2.02	1.51	1.83	.85	.61	.70	1.08	.74	.91	.78	.19	.47
22	1.62	1.47	1.55	.92	.50	.68	1.10	.60	.96	.94	.24	.56
23	1.52	1.40	1.48	.97	.52	.72	1.09	.62	.84	1.04	.30	.61
24	1.60	1.45	1.55	.95	.54	.74	1.09	.61	.83	1.03	.12	.66
25	1.62	1.52	1.57	1.02	.49	.74	1.03	.44	.63	1.12	.43	.75
26	1.66	1.47	1.55	1.01	.47	.67	.80	.27	.51	1.25	.51	.83
27	1.49	1.26	1.35	.89	.10	.46	1.05	.34	.60	1.61	.83	1.21
28	1.49	.95	1.16	1.07	.30	.61	1.05	.49	.72	1.60	.89	1.16
29	1.90	1.22	1.49	1.13	.38	.76	1.05	.48	.69	1.01	.66	.79
30	1.90	1.17	1.46	1.20	.45	.79	.77	.19	.43	.82	.50	.67
31	1.17	.64	.85	---	---	---	.89	.31	.63	.67	.30	.51
MONTH	2.03	.64	1.47	1.87	.10	.97	1.75	.19	.98	1.61	-.39	.65

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA (OUTSIDE)--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.79	.11	.44	1.74	1.17	1.51	1.41	.76	1.05	1.98	1.78	1.88
2	.89	.21	.51	1.48	.87	1.25	1.42	.91	1.16	1.92	1.67	1.81
3	.93	.25	.54	1.10	.75	.90	1.24	.95	1.12	1.93	1.74	1.85
4	1.10	.32	.69	1.09	.68	.88	1.38	.82	1.07	1.75	1.54	1.61
5	1.25	.43	.81	1.15	.62	.87	1.70	1.15	1.39	1.57	1.45	1.51
6	1.44	.59	.92	1.42	.71	1.03	1.70	1.22	1.43	1.57	1.41	1.49
7	1.24	.58	.91	1.37	.97	1.18	1.28	1.05	1.19	1.69	1.42	1.56
8	1.52	.85	1.11	1.46	1.04	1.21	1.45	1.20	1.30	1.66	1.39	1.55
9	1.52	.96	1.20	1.54	1.27	1.42	1.66	1.25	1.49	1.63	1.36	1.49
10	1.68	1.28	1.49	1.27	.87	1.03	1.76	1.44	1.62	1.61	1.31	1.46
11	1.40	.95	1.11	1.03	.85	.93	1.91	1.56	1.76	1.77	1.12	1.51
12	1.03	.85	.93	1.18	.93	1.06	2.36	1.63	1.87	1.72	1.38	1.54
13	.94	.42	.70	1.13	.95	1.07	1.89	1.69	1.78	1.82	1.37	1.60
14	.85	.41	.60	1.26	.89	1.07	1.95	1.64	1.80	1.91	1.50	1.69
15	.91	.35	.81	1.29	.99	1.15	2.13	1.66	1.86	1.89	1.56	1.71
16	1.00	.59	.78	1.22	.89	1.05	1.94	1.70	1.81	1.82	1.52	1.66
17	1.27	.62	.92	1.48	.89	1.19	2.00	1.53	1.69	1.88	1.41	1.62
18	1.31	.75	1.03	1.48	1.06	1.30	1.77	1.52	1.64	1.74	1.50	1.58
19	1.48	.98	1.24	1.53	.95	1.28	1.80	1.44	1.61	1.57	1.33	1.44
20	1.61	1.01	1.33	1.67	1.15	1.39	1.69	1.43	1.56	1.71	1.30	1.50
21	1.60	1.06	1.34	1.49	1.21	1.37	1.65	1.45	1.56	1.62	1.42	1.55
22	1.90	1.28	1.58	1.60	.98	1.29	1.67	1.47	1.56	1.63	1.32	1.52
23	1.90	1.30	1.51	1.71	1.28	1.51	1.60	1.49	1.54	1.59	1.25	1.44
24	1.45	.97	1.19	1.68	1.40	1.57	1.95	1.56	1.79	1.69	1.24	1.48
25	1.50	1.13	1.30	1.69	1.24	1.44	2.21	1.58	1.93	1.95	1.25	1.58
26	1.37	.97	1.15	1.85	1.32	1.58	2.35	1.83	2.10	1.97	1.28	1.65
27	1.19	1.00	1.09	2.05	1.58	1.83	2.31	1.91	2.08	1.96	1.41	1.63
28	1.31	1.05	1.19	1.72	1.24	1.53	2.28	1.84	2.07	2.03	1.41	1.68
29	—	—	—	1.45	.95	1.23	2.23	1.88	2.05	2.11	1.56	1.80
30	—	—	—	1.35	1.03	1.17	2.29	1.93	2.07	1.94	1.62	1.75
31	—	—	—	1.26	.73	1.00	—	—	—	1.92	1.58	1.73
MONTH	1.90	.11	1.01	2.05	.62	1.24	2.36	.76	1.63	2.11	1.12	1.61
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.84	1.64	1.76	.97	.66	.78	1.13	.72	.93	1.52	1.09	1.35
2	1.74	1.53	1.68	1.21	.77	1.02	1.35	.75	1.12	—	—	—
3	1.69	1.47	1.61	1.29	.87	1.10	1.55	1.03	1.33	—	—	—
4	1.74	1.50	1.62	1.40	.89	1.19	1.51	1.08	1.28	—	—	—
5	1.92	1.50	1.75	1.52	.98	1.25	1.43	1.04	1.24	—	—	—
6	1.84	1.55	1.74	1.38	.92	1.16	1.43	1.02	1.23	—	—	—
7	1.89	1.54	1.71	1.56	.92	1.29	1.40	.90	1.18	—	—	—
8	1.84	1.50	1.67	1.65	1.21	1.41	1.42	.90	1.23	1.48	1.20	1.36
9	1.76	1.38	1.58	1.75	1.14	1.42	1.43	1.16	1.30	1.61	1.30	1.46
10	1.62	1.30	1.47	1.64	1.26	1.44	1.31	1.16	1.24	1.73	1.28	1.51
11	1.62	1.21	1.39	1.74	1.29	1.51	1.33	1.15	1.26	1.72	1.21	1.50
12	1.59	1.24	1.41	1.70	1.40	1.53	1.40	1.17	1.30	1.68	1.26	1.49
13	1.50	1.10	1.36	1.72	1.50	1.58	1.50	1.19	1.35	1.74	1.41	1.58
14	1.46	1.13	1.32	1.55	1.38	1.49	1.55	1.12	1.35	1.84	1.46	1.67
15	1.47	1.13	1.33	1.46	1.18	1.35	1.55	1.16	1.38	1.91	1.51	1.78
16	1.27	1.02	1.15	1.39	1.09	1.26	1.55	.96	1.31	2.10	1.81	1.99
17	1.15	.90	1.05	1.31	.96	1.16	1.56	.98	1.38	1.85	1.52	1.77
18	1.04	.80	.93	1.24	.78	1.06	1.64	1.19	1.43	1.52	1.31	1.42
19	1.20	.80	1.02	1.27	.82	1.05	1.56	1.15	1.35	1.32	1.16	1.23
20	1.39	.82	1.13	1.46	.80	1.13	1.69	1.11	1.41	1.36	.99	1.17
21	1.43	.79	1.14	1.43	.87	1.13	1.48	1.17	1.34	1.43	1.14	1.30
22	1.42	.80	1.13	1.32	.89	1.10	1.35	1.06	1.23	1.58	1.38	1.48
23	1.59	.92	1.28	1.22	.86	1.03	1.25	1.07	1.16	1.61	1.04	1.33
24	1.50	1.10	1.30	1.21	.81	1.00	1.19	.98	1.10	1.51	1.16	1.36
25	1.39	1.05	1.23	1.00	.80	.90	1.29	.92	1.12	1.48	.87	1.15
26	1.32	.91	1.14	1.02	.76	.90	1.54	1.15	1.29	1.31	.81	1.11
27	1.18	.97	1.06	.99	.78	.88	1.49	1.08	1.31	1.41	.80	1.18
28	1.02	.85	.94	.78	.59	.72	1.54	1.20	1.38	1.31	.88	1.10
29	.90	.70	.81	.91	.67	.78	1.55	1.16	1.38	1.38	1.02	1.20
30	—	—	—	1.01	.67	.82	1.55	1.19	1.39	1.49	1.18	1.39
31	—	—	—	1.11	.66	.92	1.57	1.15	1.40	—	—	—
MONTH	—	—	—	1.75	.59	1.14	1.69	.72	1.28	—	—	—

MISSISSIPPI RIVER DELTA
07381326 BAYOU LACARPE NEAR CROZIER, LA (OUTSIDE)--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to September 1994.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1993 to September 1994.

WATER TEMPERATURES: October 1993 to September 1994.

REMARKS.--Specific conductance sensor only furnished satisfactory data when specific conductance values were above 200 microsiemens.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 24,300 microsiemens, Sept. 16, 1994; minimum daily, less than 200 microsiemens on several days during the water year, 1994.

WATER TEMPERATURES: Maximum daily, 32.7°C, July 6, 1994; minimum daily, 6.3°C, Dec. 25, 1993.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	--	--	--	359	<200	--	898	474	655	954	731	860
2	--	--	--	474	<200	--	900	578	696	1100	746	891
3	--	--	--	575	<200	--	832	614	687	815	704	767
4	--	--	--	561	275	385	814	527	656	1030	706	794
5	--	--	--	565	319	407	809	430	590	957	716	794
6	--	--	--	359	<200	--	750	436	545	1150	785	956
7	--	--	--	361	<200	--	827	421	571	1150	763	928
8	--	--	--	313	<200	--	875	487	627	995	747	809
9	--	--	--	323	239	269	1110	439	691	1060	757	859
10	--	--	--	557	<200	--	824	577	662	1090	768	947
11	--	--	--	856	<200	--	827	462	596	1150	928	996
12	--	--	--	618	282	432	803	469	588	1030	954	991
13	--	--	--	653	428	502	826	563	660	1290	932	1090
14	--	--	--	657	465	529	832	500	624	1660	1120	1300
15	--	--	--	649	450	485	775	500	590	1430	1030	1240
16	--	--	--	748	454	602	876	510	608	1410	813	1280
17	--	--	--	891	462	593	1330	520	664	1510	1110	1330
18	--	--	--	825	408	560	1330	531	692	1310	1020	1140
19	--	--	--	824	466	600	693	599	638	1240	941	1060
20	--	--	--	679	352	512	886	649	750	1510	1020	1240
21	--	--	--	656	283	431	818	564	658	1430	1110	1230
22	--	--	--	738	295	472	639	576	595	1480	343	1180
23	--	--	--	1020	283	564	1010	582	635	1590	1060	1260
24	--	--	--	1020	447	643	620	592	599	1560	1130	1290
25	--	--	--	1200	445	620	968	603	719	1620	1200	1340
26	--	--	--	927	433	516	976	613	745	1600	1220	1340
27	--	--	--	652	346	459	1020	657	821	1430	1260	1310
28	687	<200	--	806	326	504	1050	800	882	1280	993	1160
29	454	<200	--	932	391	590	899	654	756	993	902	962
30	370	<200	--	882	408	593	829	654	702	1070	792	925
31	329	<200	--	--	--	--	915	665	754	1170	726	916
MONTH	--	--	--	1200	200	--	1330	421	666	1660	343	1070

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

MISSISSIPPI RIVER DELTA
07381326 BAYOU LACARPE NEAR CROZIER, LA (OUTSIDE)--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1040	783	873	687	520	600	514	<200	—	1010	268	357
2	1220	683	891	713	420	494	583	<200	—	473	<200	—
3	1100	706	885	853	379	594	590	<200	—	733	251	418
4	1180	892	1040	1010	490	705	630	<200	—	596	<200	—
5	1320	1040	1110	1010	507	736	684	<200	—	620	<200	—
6	1460	<200	—	922	571	727	775	<200	—	668	<200	—
7	1260	953	1060	1050	650	811	527	<200	—	655	221	430
8	1330	989	1110	1050	655	829	673	<200	—	965	313	549
9	1300	989	1080	796	225	617	702	<200	—	761	332	517
10	1280	677	1010	777	385	556	718	385	504	698	299	477
11	1110	346	767	816	377	585	716	371	499	778	348	538
12	1110	685	839	855	400	612	673	297	412	852	354	565
13	882	623	767	971	382	660	520	238	356	811	362	561
14	965	521	703	1060	<200	—	640	201	405	778	350	537
15	999	596	743	732	<200	—	556	253	406	836	343	556
16	959	625	752	762	506	610	723	<200	—	708	361	517
17	1190	616	829	888	262	585	509	<200	—	611	302	387
18	1050	589	788	1050	419	705	585	<200	—	763	289	484
19	1020	706	816	1010	592	730	597	<200	—	630	220	406
20	1140	711	867	1050	557	724	549	223	344	653	<200	—
21	979	701	795	922	536	682	672	<200	—	714	230	448
22	986	697	802	826	500	606	856	<200	—	777	224	479
23	955	517	702	855	506	640	815	<200	—	792	212	490
24	1000	399	575	740	520	601	693	230	457	812	238	508
25	983	351	616	683	325	526	691	<200	—	725	245	481
26	842	409	571	621	325	492	692	416	520	706	284	487
27	736	379	538	722	237	536	750	402	545	717	299	479
28	885	385	583	244	<200	—	—	<200	—	760	281	414
29	—	—	—	482	<200	—	970	<200	—	738	261	399
30	—	—	—	645	<200	—	668	278	451	688	266	449
31	—	—	—	529	<200	—	—	—	—	646	278	367
MONTH	1460	200	—	1060	200	—	970	200	—	1010	200	—
	JUNE			JULY			AUGUST			SEPTEMBER		
1	734	200	471	768	284	507	570	<200	—	557	285	412
2	691	233	434	679	247	450	272	<200	—	757	337	508
3	641	202	419	751	<200	—	618	<200	—	911	394	580
4	719	267	470	768	<200	—	652	<200	—	626	<200	—
5	648	227	397	592	<200	—	691	<200	—	605	<200	—
6	665	227	418	660	<200	—	743	<200	—	564	<200	—
7	618	<200	—	568	<200	—	674	<200	—	592	<200	—
8	548	<200	—	487	<200	—	728	<200	—	458	<200	—
9	668	<200	—	342	<200	—	626	<200	—	452	<200	—
10	769	<200	—	617	<200	—	591	<200	—	374	<200	—
11	707	234	448	447	<200	—	630	<200	—	305	<200	—
12	1030	<200	—	603	<200	—	613	<200	—	405	<200	—
13	688	288	474	585	<200	—	641	<200	—	418	<200	—
14	661	<200	—	637	<200	—	812	<200	—	5850	<200	—
15	656	298	474	648	<200	—	821	219	422	9890	2320	5380
16	721	229	466	740	<200	—	787	<200	—	24300	9630	17700
17	717	251	420	737	<200	—	298	<200	—	24200	9830	19200
18	845	258	561	790	219	459	672	230	390	10500	3750	7380
19	818	512	654	774	244	405	718	370	475	3750	1520	2610
20	926	482	694	779	252	468	712	<200	—	1670	1100	1430
21	967	368	705	750	303	519	557	<200	—	1420	1040	1230
22	899	429	655	648	334	464	847	374	522	1520	894	1110
23	673	491	558	752	300	469	725	326	486	3190	813	1320
24	848	470	583	807	255	479	747	277	457	3190	559	1040
25	997	465	706	774	238	482	760	321	495	2220	234	1070
26	929	520	710	602	<200	—	748	225	440	2040	<200	—
27	970	592	759	377	<200	—	691	203	440	2260	<200	—
28	1040	543	756	631	<200	—	726	262	415	1430	<200	—
29	1090	594	837	666	<200	—	711	<200	—	1050	<200	—
30	1080	358	737	642	<200	—	507	<200	—	1560	<200	—
31	—	—	—	476	<200	—	500	239	371	—	—	—
MONTH	1090	200	—	807	200	—	847	200	—	24300	200	—

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

MISSISSIPPI RIVER DELTA
07381326 BAYOU LACARPE NEAR CROZIER, LA (OUTSIDE)--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.6	24.0	25.3	12.3	10.2	11.5	15.4	12.9	14.2	11.3	9.9	10.5
2	27.2	24.9	25.9	13.7	11.1	12.5	17.6	14.0	15.6	13.9	10.8	12.3
3	26.5	23.9	25.6	16.1	13.7	14.9	17.2	14.4	15.7	13.3	10.9	12.3
4	26.9	24.5	25.8	18.9	16.1	17.5	16.6	15.2	15.9	11.8	9.4	10.6
5	27.4	24.8	26.0	20.8	18.7	19.9	16.6	15.0	15.8	10.7	8.2	9.6
6	26.8	25.3	25.9	20.5	16.1	18.8	15.9	14.7	15.3	12.1	9.6	10.7
7	27.8	25.3	26.1	16.1	13.3	14.2	15.0	13.3	14.3	13.7	11.6	13.0
8	26.4	25.3	25.8	13.5	12.0	12.7	15.8	14.1	14.9	12.9	10.0	10.9
9	27.2	25.3	26.0	13.2	12.7	12.9	16.5	14.5	15.5	10.4	8.2	9.4
10	26.0	24.0	25.0	15.6	12.7	14.1	16.5	13.9	15.7	11.1	8.8	9.9
11	25.4	22.9	23.8	16.5	13.4	15.0	16.1	13.5	14.8	12.8	10.5	11.7
12	23.5	22.7	23.1	17.7	15.0	16.2	14.6	12.5	13.6	13.6	12.3	13.1
13	22.9	22.6	22.7	19.5	16.1	17.6	14.0	12.5	13.0	13.2	10.5	11.9
14	23.2	22.2	22.6	20.7	17.1	18.6	13.7	11.7	12.7	11.9	9.0	10.4
15	24.2	21.6	22.5	20.7	18.8	19.7	13.2	11.3	12.2	12.3	10.0	11.1
16	23.9	21.8	22.5	22.5	20.0	21.3	12.3	10.3	11.5	11.8	9.9	11.0
17	25.2	22.2	23.2	22.3	20.0	21.4	11.8	9.9	11.0	13.1	10.9	11.8
18	26.2	22.7	23.7	20.0	17.3	18.3	13.1	11.2	12.1	12.5	8.8	10.3
19	25.9	23.1	24.0	18.7	17.0	17.9	13.0	12.3	12.8	8.8	6.3	7.5
20	26.1	23.5	24.5	18.7	15.8	17.4	15.2	12.3	13.7	10.4	7.1	8.5
21	25.1	23.4	23.8	15.8	13.1	14.3	14.8	12.9	13.7	12.0	9.3	10.6
22	23.6	19.5	21.3	14.4	12.2	13.1	13.3	10.3	11.9	12.2	9.4	10.8
23	20.6	18.8	19.6	15.5	12.5	13.9	10.3	9.4	9.8	13.2	10.1	11.2
24	21.3	19.6	20.3	17.4	14.3	15.7	9.5	7.5	8.5	14.5	10.0	12.3
25	21.8	20.4	21.1	17.7	15.2	16.4	8.9	6.3	7.6	17.4	10.8	13.4
26	23.1	20.7	21.7	16.6	15.0	15.7	9.6	6.7	8.1	19.1	10.9	14.3
27	22.5	20.3	21.4	15.0	13.2	13.9	11.6	8.6	10.0	16.2	12.0	13.6
28	21.5	19.2	20.5	13.4	10.7	12.2	14.4	10.5	12.7	15.9	13.0	14.5
29	21.1	20.7	20.9	13.6	11.2	12.8	14.3	12.2	13.5	15.2	12.6	14.0
30	21.1	14.1	17.9	14.2	11.8	13.3	12.5	10.4	11.2	12.6	9.7	11.0
31	14.1	11.6	12.7	—	—	—	10.5	8.5	9.6	11.2	7.9	9.5
MONTH	27.8	11.6	22.9	22.5	10.2	15.8	17.6	6.3	12.8	19.1	6.3	11.3
	FEBRUARY			MARCH			APRIL			MAY		
1	11.3	8.7	9.9	16.0	14.4	14.8	18.1	15.2	16.8	24.6	23.9	24.2
2	11.2	7.6	9.4	15.3	14.1	14.7	18.0	16.6	17.3	23.9	23.1	23.3
3	11.0	8.3	9.6	15.9	12.1	13.9	18.7	17.9	18.2	23.8	23.2	23.4
4	11.0	10.2	10.5	17.7	12.9	15.1	19.7	18.0	18.7	23.8	22.8	23.4
5	14.6	10.7	12.4	16.8	14.7	15.5	19.4	18.4	18.8	24.5	22.8	23.5
6	18.2	11.4	14.2	17.2	14.6	15.9	19.2	18.5	19.0	24.7	22.9	23.8
7	19.1	12.6	15.5	18.5	14.5	15.8	18.5	16.9	17.6	24.5	23.5	24.0
8	19.1	13.2	15.5	20.7	15.2	17.7	18.2	16.8	17.4	24.8	24.0	24.3
9	19.3	14.7	16.4	17.9	16.0	16.5	20.0	18.2	18.8	25.9	24.5	24.9
10	17.0	15.5	16.2	17.3	14.4	15.8	21.8	19.7	20.5	25.6	24.6	25.0
11	17.5	14.1	15.8	17.2	14.2	15.8	21.7	20.6	21.0	26.0	25.3	25.5
12	17.3	15.0	16.1	17.4	14.6	16.0	21.7	20.8	21.2	26.4	25.7	25.9
13	16.8	14.6	16.1	17.8	15.6	16.7	21.4	20.6	20.9	26.4	25.8	26.1
14	14.6	11.8	13.1	18.6	16.2	17.4	21.3	21.0	21.0	26.2	25.8	26.0
15	14.2	12.2	13.2	18.7	17.6	18.0	22.1	21.1	21.6	26.0	25.5	25.8
16	14.2	13.3	13.7	18.1	17.2	17.7	22.4	21.8	22.1	25.8	25.5	25.6
17	14.0	12.2	13.2	17.8	16.2	17.0	22.1	21.3	21.6	25.6	25.1	25.5
18	14.6	12.2	13.2	17.2	16.3	16.8	22.2	21.1	21.5	25.1	24.4	24.7
19	14.5	12.7	13.5	18.3	16.8	17.4	22.5	21.5	22.0	25.6	24.2	24.8
20	15.2	13.2	13.9	18.3	16.8	17.6	22.8	21.9	22.4	25.6	23.5	24.5
21	16.0	13.3	14.2	18.3	17.6	17.9	22.9	22.1	22.5	25.8	24.2	24.9
22	14.9	13.2	14.1	19.4	18.0	18.7	23.6	22.6	23.1	25.9	24.3	25.0
23	17.8	14.7	16.1	19.6	18.3	18.8	23.7	23.1	23.4	25.9	24.4	25.0
24	16.7	13.2	14.7	19.7	18.8	19.1	24.1	22.7	23.3	26.0	24.7	25.2
25	16.6	12.2	14.3	20.4	19.2	19.6	23.9	22.8	23.3	26.3	25.1	25.7
26	17.4	14.6	15.8	20.2	19.3	19.8	23.9	23.3	23.6	26.2	25.5	25.9
27	16.0	13.3	14.9	20.8	19.7	20.2	24.6	23.7	24.1	26.2	25.6	25.9
28	15.9	13.8	14.9	20.6	17.8	19.5	24.7	24.3	24.5	26.4	25.3	25.7
29	—	—	—	17.8	14.3	16.0	24.9	24.3	24.6	25.5	24.7	25.1
30	—	—	—	19.3	15.9	17.5	24.9	24.3	24.5	25.5	24.7	25.0
31	—	—	—	19.4	16.5	18.2	—	—	—	25.4	24.5	25.0
MONTH	19.3	7.6	13.9	20.8	12.1	17.1	24.9	15.2	21.2	26.4	22.8	24.9

MISSISSIPPI RIVER DELTA
07381326 BAYOU LACARPE NEAR CROZIER, LA (OUTSIDE)

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.4	23.9	24.5	31.7	28.9	30.0	28.5	26.1	27.2	30.2	27.2	28.3
2	26.3	25.1	25.5	32.5	30.0	30.7	27.8	26.1	27.0	29.6	26.8	27.8
3	27.2	25.7	26.3	32.6	30.0	30.9	29.5	25.7	27.6	29.1	26.4	27.5
4	27.4	26.4	26.9	32.6	30.0	31.1	30.3	27.8	28.7	30.6	27.1	28.6
5	27.9	26.7	27.3	31.6	30.1	31.0	29.7	28.2	28.8	30.6	27.7	28.9
6	28.7	26.8	27.5	32.7	29.2	30.6	30.7	27.0	28.4	30.5	28.9	29.5
7	29.0	27.5	28.2	31.7	29.3	30.6	29.8	26.6	27.7	30.8	29.3	30.0
8	30.0	27.7	28.7	30.8	28.3	29.6	30.3	25.8	27.7	30.3	29.6	30.0
9	30.3	28.5	29.3	29.4	26.2	27.6	29.6	26.3	27.6	31.1	29.8	30.3
10	29.9	27.7	28.7	28.9	25.5	26.8	29.4	26.3	27.8	30.5	27.9	29.6
11	29.2	26.7	27.9	26.9	25.2	25.9	29.6	27.4	28.3	29.8	26.6	28.5
12	29.2	26.8	28.0	26.0	24.5	25.3	29.5	28.6	29.0	29.1	26.4	27.4
13	30.1	26.7	27.8	26.6	24.7	25.5	30.6	28.6	29.5	30.2	26.2	28.4
14	30.1	26.7	28.1	28.4	25.4	26.8	31.4	29.3	30.0	29.6	28.4	29.0
15	31.0	27.4	28.8	28.8	26.5	27.4	31.1	29.4	29.9	29.0	28.3	28.5
16	30.8	27.5	29.0	28.8	26.3	27.4	31.6	29.0	29.9	28.4	27.3	27.6
17	30.3	27.7	28.7	28.4	26.4	27.3	30.4	28.4	29.4	28.7	27.3	27.8
18	29.8	26.4	27.9	29.5	26.4	27.7	30.8	27.6	28.6	29.0	26.5	27.5
19	29.9	27.5	28.5	28.7	27.0	27.7	31.3	27.2	28.7	27.1	25.0	26.1
20	30.5	27.2	28.7	28.3	26.3	27.2	30.9	27.5	29.1	26.0	23.8	25.0
21	31.1	26.7	28.9	28.6	26.6	27.4	30.1	26.5	28.3	26.6	24.2	25.5
22	30.4	27.3	29.0	27.9	26.9	27.4	28.4	25.8	26.7	27.3	26.5	26.8
23	29.1	27.3	28.3	28.6	26.5	27.4	27.0	25.4	26.1	27.7	25.1	26.5
24	27.9	26.1	27.1	29.5	26.3	27.6	27.6	25.4	26.4	25.9	25.0	25.5
25	28.9	25.1	26.6	30.6	26.8	28.4	28.7	25.6	27.0	26.2	23.3	24.9
26	29.5	26.0	27.6	29.7	27.6	28.6	28.0	26.8	27.4	24.8	23.8	24.4
27	30.2	26.9	28.2	28.9	27.3	27.9	28.5	26.6	27.4	25.9	24.0	25.0
28	30.3	27.0	28.4	30.1	26.0	27.8	29.5	27.5	28.4	26.0	24.0	25.1
29	30.6	27.4	28.9	29.6	26.6	28.0	29.3	27.9	28.5	27.1	25.0	26.0
30	31.5	27.9	29.5	29.0	27.6	28.2	29.5	27.4	28.3	27.8	26.0	26.7
31	---	---	---	28.5	26.3	27.9	30.2	27.2	28.4	---	---	---
MONTH	31.5	23.9	28.0	32.7	24.5	28.2	31.6	25.4	28.2	31.1	23.3	27.4

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-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1992 to current year.

GAGE.—Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 10.00 ft above sea level.

REMARKS.—Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 14.91 ft, Aug. 26, 1992; minimum, 8.73 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height, 11.81 ft, Sept. 16, but may have been higher during periods of missing gage height records; minimum gage height, 8.85 ft, Jan. 8, but may have been lesser during periods of missing gage height records.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	10.70	9.77	10.21
2	---	---	---	---	---	---	---	---	---	10.74	9.87	10.27
3	---	---	---	---	---	---	11.21	10.67	10.96	10.49	9.61	9.95
4	---	---	---	---	---	---	11.30	10.54	10.92	9.66	9.35	9.53
5	---	---	---	---	---	---	10.59	10.18	10.38	10.08	9.17	9.57
6	---	---	---	---	---	---	10.59	10.05	10.29	10.27	9.43	9.91
7	---	---	---	---	---	---	10.65	10.01	10.31	10.19	9.50	9.84
8	---	---	---	---	---	---	10.77	9.87	10.33	10.18	8.85	9.45
9	---	---	---	---	---	---	10.92	10.07	10.47	10.39	9.20	9.80
10	---	---	---	---	---	---	10.96	10.15	10.58	10.39	9.44	9.95
11	---	---	---	---	---	---	10.92	9.99	10.40	10.57	9.52	10.05
12	---	---	---	---	---	---	11.04	9.99	10.47	10.59	9.66	10.12
13	---	---	---	---	---	---	11.28	10.62	11.00	10.56	9.77	10.16
14	---	---	---	---	---	---	11.26	10.13	10.53	10.39	9.39	9.79
15	---	---	---	---	---	---	10.63	9.90	10.25	9.86	9.20	9.52
16	---	---	---	---	---	---	10.77	9.94	10.28	10.56	9.66	10.00
17	---	---	---	---	---	---	10.45	9.81	10.15	10.67	9.69	10.34
18	---	---	---	---	---	---	10.54	9.89	10.23	9.74	9.32	9.56
19	---	---	---	---	---	---	10.66	10.15	10.34	9.90	9.35	9.60
20	---	---	---	---	---	---	10.82	10.23	10.58	10.06	9.36	9.69
21	---	---	---	---	---	---	10.46	9.77	10.10	10.00	9.04	9.53
22	---	---	---	---	---	---	10.46	10.01	10.26	10.19	9.23	9.68
23	---	---	---	---	---	---	10.46	9.70	10.05	10.28	9.20	9.74
24	---	---	---	---	---	---	10.49	9.69	10.08	10.27	9.32	9.81
25	---	---	---	---	---	---	10.36	9.53	9.78	10.41	9.40	9.90
26	---	---	---	---	---	---	10.18	9.29	9.71	10.56	9.44	9.98
27	---	---	---	---	---	---	10.49	9.39	9.84	10.90	9.89	10.39
28	---	---	---	---	---	---	10.51	9.62	10.00	10.91	9.85	10.24
29	---	---	---	---	---	---	10.47	9.58	9.91	10.10	9.62	9.82
30	---	---	---	---	---	---	10.25	9.20	9.63	10.04	9.51	9.77
31	---	---	---	---	---	---	10.42	9.53	9.99	9.79	9.29	9.59
MONTH	---	---	---	---	---	---	11.30	9.20	10.27	10.91	8.85	9.86

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.09	9.13	9.59	11.12	10.36	10.80	10.69	9.63	10.16	11.05	10.72	10.88
2	10.19	9.22	9.68	10.67	9.58	10.18	10.72	9.88	10.30	11.02	10.54	10.81
3	10.21	9.25	9.72	10.16	9.37	9.74	10.38	9.91	10.19	11.04	10.68	10.87
4	10.39	9.33	9.89	10.19	9.44	9.82	10.71	9.73	10.17	10.68	10.36	10.49
5	10.57	9.42	10.02	10.33	9.39	9.86	11.06	10.25	10.63	10.62	10.33	10.46
6	10.55	9.66	10.11	10.68	9.57	10.12	11.07	10.27	10.59	10.65	10.32	10.46
7	10.58	9.66	10.10	10.57	9.90	10.26	10.46	10.14	10.29	10.78	10.04	10.56
8	10.85	9.93	10.34	10.73	10.00	10.31	10.71	10.33	10.50	10.73	10.21	10.54
9	10.86	10.02	10.42	10.90	10.22	10.55	10.99	10.37	10.75	10.72	10.19	10.46
10	10.97	10.44	10.75	10.22	9.64	9.88	11.09	10.61	10.90	10.70	10.12	10.42
11	10.65	9.93	10.19	10.05	9.76	9.91	11.34	10.68	11.01	10.94	10.06	10.55
12	10.19	9.96	10.05	10.38	10.02	10.17	11.62	10.68	11.02	10.92	10.25	10.58
13	10.14	9.32	9.73	10.20	9.91	10.12	10.98	10.57	10.77	11.02	10.27	10.69
14	10.16	9.30	9.77	10.47	9.91	10.17	11.14	10.52	10.85	11.13	10.51	10.81
15	10.21	9.80	10.07	10.45	9.91	10.22	11.36	10.59	10.98	11.08	10.56	10.80
16	10.36	9.69	10.01	10.34	9.79	10.09	10.99	10.59	10.81	11.02	10.48	10.73
17	10.65	9.74	10.18	10.74	9.85	10.32	11.01	10.35	10.66	11.08	10.37	10.66
18	10.72	9.89	10.34	10.78	10.01	10.44	10.91	10.39	10.66	10.70	10.43	10.57
19	10.93	10.19	10.59	10.76	10.01	10.38	10.91	10.30	10.65	10.59	10.25	10.43
20	11.08	10.13	10.66	10.94	10.13	10.54	10.78	10.36	10.57	10.84	10.37	10.59
21	11.07	10.17	10.63	10.69	10.17	10.46	10.76	10.37	10.57	10.82	10.44	10.67
22	11.40	10.51	10.96	10.86	9.98	10.39	10.71	10.43	10.57	10.81	10.23	10.60
23	11.39	10.40	10.78	11.00	10.29	10.69	10.69	10.50	10.58	10.78	10.10	10.51
24	10.86	9.89	10.31	10.99	10.47	10.75	11.15	10.62	10.95	10.96	10.10	10.59
25	10.90	10.22	10.52	10.93	10.27	10.49	11.43	10.67	11.11	11.14	10.22	10.72
26	10.67	10.01	10.29	11.04	10.49	10.80	11.64	10.86	11.31	11.27	10.34	10.84
27	10.49	10.13	10.29	11.33	10.87	11.10	11.57	10.93	11.27	11.14	10.39	10.77
28	10.57	10.22	10.42	10.87	9.94	10.53	11.60	10.89	11.24	11.23	10.43	10.85
29	—	—	—	10.67	9.80	10.19	11.49	10.86	11.20	11.40	10.59	11.00
30	—	—	—	10.54	9.86	10.16	11.50	10.95	11.21	11.08	10.68	10.83
31	—	—	—	10.50	9.57	9.96	—	—	—	11.14	10.58	10.83
MONTH	11.40	9.13	10.23	11.33	9.37	10.30	11.64	9.63	10.75	11.40	10.04	10.66
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10.96	10.70	10.84	10.38	10.02	10.17	10.67	10.00	10.35	10.94	10.26	10.66
2	10.91	10.62	10.78	10.69	10.15	10.44	10.95	10.10	10.61	10.75	10.09	10.48
3	10.92	10.57	10.77	10.82	10.17	10.52	11.12	10.43	10.83	10.61	10.04	10.33
4	11.04	10.57	10.80	10.92	10.23	10.62	11.04	10.37	10.73	10.76	10.04	10.50
5	11.29	10.60	11.03	10.94	10.14	10.64	10.95	10.33	10.66	10.80	10.32	10.63
6	11.13	10.58	10.92	10.85	10.14	10.51	10.96	10.26	10.67	10.86	10.56	10.75
7	11.22	10.57	10.94	10.98	10.14	10.69	10.89	10.29	10.60	10.93	10.57	10.78
8	11.21	10.55	10.88	11.14	10.38	10.82	10.95	10.36	10.70	11.00	10.55	10.81
9	11.11	10.36	10.79	11.24	10.34	10.83	10.96	10.50	10.78	11.13	10.69	10.92
10	11.08	10.30	10.67	11.14	10.50	10.83	10.76	10.55	10.68	11.29	10.60	10.97
11	11.00	10.22	10.60	11.24	10.56	10.90	10.87	10.59	10.74	11.28	10.59	10.95
12	11.05	10.30	10.65	11.06	10.68	10.89	10.97	10.52	10.77	11.24	10.55	10.93
13	10.85	10.35	10.60	11.03	10.76	10.88	11.06	10.57	10.84	11.31	10.81	11.07
14	10.82	10.29	10.57	10.88	10.59	10.76	11.15	10.47	10.83	11.48	10.90	11.20
15	10.85	10.40	10.62	10.80	10.36	10.61	11.14	10.50	10.87	11.51	11.00	11.35
16	10.49	10.25	10.36	10.80	10.26	10.54	11.13	10.42	10.80	11.81	11.30	11.62
17	10.52	10.06	10.30	10.74	10.11	10.44	11.14	10.39	10.82	11.35	10.81	11.19
18	10.43	10.06	10.23	10.67	9.96	10.36	11.06	10.35	10.76	10.89	10.49	10.74
19	10.66	10.00	10.36	10.76	9.96	10.42	11.00	10.31	10.67	10.81	10.46	10.60
20	10.87	9.98	10.48	10.86	10.03	10.44	11.08	10.29	10.75	10.86	10.42	10.61
21	10.93	9.98	10.50	10.92	10.05	10.50	10.83	10.34	10.63	10.96	10.50	10.76
22	10.90	10.00	10.48	10.81	10.07	10.44	10.76	10.33	10.54	11.12	10.78	10.97
23	11.07	10.12	10.65	10.69	10.05	10.36	10.60	10.33	10.47	11.17	10.45	10.79
24	11.02	10.26	10.61	10.64	9.99	10.33	10.57	10.30	10.43	11.07	10.42	10.82
25	10.82	10.15	10.49	10.41	10.01	10.24	10.72	10.17	10.47	10.97	10.19	10.56
26	10.72	10.06	10.41	10.39	10.07	10.27	10.92	10.45	10.68	10.85	10.29	10.58
27	10.54	10.15	10.33	10.35	10.01	10.20	10.96	10.37	10.68	10.95	10.24	10.62
28	10.35	10.07	10.21	10.21	10.01	10.09	11.04	10.47	10.77	10.86	10.23	10.54
29	10.24	9.99	10.09	10.40	10.00	10.21	11.00	10.42	10.74	10.90	10.44	10.67
30	10.22	9.94	10.07	10.51	9.95	10.25	11.00	10.31	10.73	11.04	10.74	10.91
31	—	—	—	10.61	10.00	10.34	10.98	10.26	10.71	—	—	—
MONTH	11.29	9.94	10.57	11.24	9.95	10.50	11.15	10.00	10.69	11.81	10.04	10.81

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.

REMARKS.—Specific conductance sensor only furnished satisfactory data when specific conductance values were above 200 microsiemens.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum daily, 27,500 microsiemens, Nov. 21, 1992; minimum daily, <200 microsiemens, on several days during the water years, 1992 and 1993.

WATER TEMPERATURES: Maximum daily, 33.2°C, July 12, 1992; minimum daily, 8.6°C, Jan. 21, 1994.

EXTREMES FOR CURRENT PERIOD.—

SPECIFIC CONDUCTANCE: Maximum daily, 26,600 microsiemens, Nov. 14; minimum daily, <200 microsiemens, on several days during the water year.

WATER TEMPERATURES: Maximum daily, 32.3°C, July 4; minimum daily, 8.6°C, Jan. 21.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	3180	488	1270	—	—	—	5410	262	926	432	283	359
2	7340	307	2550	—	—	—	11100	386	2590	513	329	415
3	550	229	347	328	222	243	23600	3270	10700	425	315	358
4	460	213	301	317	226	240	16200	1980	8070	566	295	400
5	429	229	314	321	231	241	1980	323	890	459	296	341
6	719	216	366	538	235	282	1100	246	530	525	299	411
7	625	213	330	244	240	242	830	208	373	528	305	407
8	—	—	—	7900	244	2530	543	211	371	453	305	354
9	—	—	—	2950	276	1080	546	239	358	413	308	328
10	—	—	—	10200	983	2770	428	305	360	748	342	568
11	—	—	—	15000	1840	5710	568	261	361	3270	403	1150
12	—	—	—	20500	6880	11600	434	223	302	9030	423	2550
13	—	—	—	23400	16500	20200	12200	226	3360	529	321	396
14	—	—	—	26600	21000	23700	5600	366	1250	746	322	473
15	—	—	—	23200	8840	19500	595	259	376	544	245	371
16	—	—	—	8840	997	3770	537	260	368	5930	243	691
17	—	—	—	1300	590	942	662	263	414	18600	5930	14900
18	—	—	—	1070	291	532	484	266	351	14600	4230	9260
19	—	—	—	797	294	477	347	269	303	4230	1480	2600
20	10000	428	3120	846	299	508	627	272	430	1830	890	1150
21	429	213	283	331	303	307	536	278	395	1910	766	1350
22	625	213	345	414	308	340	462	254	288	915	688	805
23	275	<200	—	923	313	372	405	256	300	839	611	713
24	1730	<200	—	1860	318	552	286	259	264	853	610	733
25	2530	307	1120	566	322	389	642	262	401	942	683	786
26	5950	887	1980	476	326	348	661	291	459	881	698	782
27	887	<200	—	511	331	380	632	341	480	1640	728	1310
28	391	<200	—	410	335	349	604	360	470	2370	1500	2000
29	472	<200	—	841	340	407	516	277	397	1500	1070	1290
30	—	—	—	519	261	379	535	277	332	1360	1190	1280
31	—	—	—	—	—	—	417	280	316	1450	966	1280
MONTH	10000	200	—	26600	222	3510	23600	208	1190	18600	243	1610

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	FEBRUARY			MARCH			APRIL			MAY		
1	1440	1300	1350	1150	1000	1080	401	<200	—	295	<200	—
2	1530	1240	1360	1200	936	1120	411	<200	—	230	<200	—
3	1390	761	1250	1240	979	1080	408	<200	—	335	<200	—
4	1290	1110	1190	1190	760	1030	436	<200	—	289	<200	—
5	1280	1080	1160	1110	880	977	417	218	310	315	<200	—
6	1250	909	1100	969	847	912	337	<200	—	269	<200	—
7	1080	833	954	977	798	892	377	<200	—	311	<200	—
8	922	693	805	1010	808	882	405	<200	—	357	<200	—
9	783	630	698	882	604	778	402	220	308	354	<200	—
10	708	462	626	830	571	694	398	228	319	337	<200	—
11	674	368	532	857	631	747	698	259	366	351	<200	—
12	763	430	563	838	643	746	344	<200	—	396	<200	—
13	596	412	508	897	654	759	267	<200	—	362	<200	—
14	563	202	437	921	651	767	339	<200	—	345	<200	—
15	547	256	392	827	647	740	337	<200	—	418	206	289
16	514	<200	—	855	671	753	278	<200	—	357	235	288
17	512	<200	—	866	625	737	290	<200	—	355	<200	—
18	479	237	341	937	650	778	303	<200	—	321	<200	—
19	2200	266	659	845	645	756	317	<200	—	289	<200	—
20	2870	1100	1830	871	674	749	359	<200	—	333	<200	—
21	3380	674	1700	790	653	715	389	<200	—	332	<200	—
22	2090	595	860	786	574	708	418	<200	—	314	<200	—
23	5510	1330	2660	739	616	685	416	<200	—	387	<200	—
24	1580	1410	1500	704	428	612	383	<200	—	326	<200	—
25	1550	1290	1400	899	334	492	396	<200	—	324	<200	—
26	1300	1070	1200	512	285	382	654	243	378	369	<200	—
27	1140	933	1040	435	264	382	500	330	430	411	<200	—
28	1160	898	1010	367	215	283	434	284	360	440	227	306
29	—	—	—	380	210	289	388	235	309	392	<200	—
30	—	—	—	562	209	328	341	<200	—	346	<200	—
31	—	—	—	404	<200	300	—	—	—	328	<200	—
MONTH	5510	200	—	1240	200	715	698	200	—	440	200	—
	JUNE			JULY			AUGUST			SEPTEMBER		
1	295	<200	—	296	<200	—	327	<200	—	802	496	613
2	290	<200	—	7140	<200	—	1370	<200	—	699	468	558
3	300	<200	—	6470	350	2190	10100	667	4260	677	409	555
4	325	<200	—	5760	<200	—	4010	562	1560	2650	428	836
5	320	<200	—	2160	238	751	607	<200	—	9400	491	3420
6	408	<200	—	313	<200	—	365	<200	—	9370	2920	5270
7	388	<200	—	1090	<200	—	367	<200	—	7090	3360	4840
8	384	201	287	321	<200	—	353	<200	—	9860	2070	4960
9	363	<200	—	273	<200	—	339	<200	—	13000	3350	6460
10	328	<200	—	283	<200	—	329	<200	—	17400	3560	8800
11	280	<200	—	249	<200	—	342	<200	—	13700	2740	5780
12	317	<200	—	353	<200	—	3580	<200	—	10600	1650	4720
13	282	<200	—	319	<200	—	7830	<200	—	19500	1550	10000
14	324	203	253	484	<200	—	7400	547	2930	24900	8980	18100
15	289	<200	—	528	<200	—	5860	258	1620	25600	17000	21800
16	377	<200	—	356	<200	—	3110	215	1190	26400	23300	25000
17	326	<200	—	370	<200	—	3010	561	1070	24200	13400	20800
18	336	<200	—	336	<200	—	907	561	723	13800	3830	8550
19	316	<200	—	415	<200	—	799	577	706	3990	1140	2060
20	295	<200	—	355	<200	—	1080	627	754	3060	824	1230
21	291	<200	—	387	233	307	704	591	645	8910	2250	4130
22	256	<200	—	326	<200	—	749	517	638	21000	8910	14500
23	234	<200	—	342	<200	—	752	592	656	17400	6180	10900
24	246	<200	—	313	<200	—	741	515	645	14900	6480	9570
25	288	<200	—	378	<200	—	790	534	649	7890	1880	5200
26	346	<200	—	380	<200	—	7830	557	2850	5920	1030	3040
27	384	233	308	349	<200	—	10000	2090	4200	8010	796	3170
28	425	228	308	308	<200	—	12000	1220	5010	3200	443	1380
29	438	<200	—	416	<200	—	7730	1130	3160	7380	642	2520
30	388	<200	—	339	<200	—	3390	756	1720	20700	1250	14200
31	—	—	—	265	<200	—	897	521	685	—	—	—
MONTH	438	200	—	7140	200	—	12000	200	—	26400	409	7430

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

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.3	25.1	25.7	—	—	—	15.1	14.0	14.5	10.9	9.9	10.4
2	26.6	25.2	26.0	—	—	—	15.4	14.2	14.7	11.7	10.8	11.2
3	26.8	25.7	26.1	15.6	14.5	15.1	17.3	15.0	16.2	11.5	10.5	11.2
4	26.4	25.4	26.0	16.9	15.6	16.2	17.6	15.8	16.7	10.5	9.8	10.1
5	26.5	25.6	26.1	17.9	16.8	17.3	16.2	14.0	15.5	10.2	9.3	9.8
6	26.5	25.7	26.1	18.1	16.2	17.3	15.8	13.3	14.3	11.0	9.8	10.4
7	26.7	25.5	26.0	16.2	15.6	15.9	14.4	13.1	13.6	11.4	10.7	11.1
8	26.8	25.5	26.0	15.8	15.2	15.5	14.3	13.4	13.7	10.8	10.2	10.5
9	27.3	26.1	26.4	15.3	14.4	14.8	14.4	13.3	13.8	10.5	9.7	10.0
10	26.1	24.5	25.3	15.3	14.0	14.6	14.4	14.0	14.2	10.4	9.6	10.0
11	24.5	23.5	23.9	15.3	14.0	14.7	14.7	13.0	13.7	10.8	10.0	10.4
12	23.8	23.1	23.4	16.7	14.8	15.7	13.1	12.4	12.8	11.3	10.7	10.9
13	23.6	23.0	23.3	19.4	16.7	18.1	14.0	12.8	13.4	10.8	10.2	10.6
14	23.6	22.6	23.0	21.7	19.4	20.7	13.6	12.7	13.2	11.1	9.8	10.4
15	23.2	22.1	22.6	22.1	19.1	21.3	12.9	11.6	12.3	11.5	9.7	10.4
16	22.9	22.1	22.7	20.3	19.0	19.7	12.1	11.1	11.6	11.4	9.6	10.2
17	23.4	22.7	23.0	20.5	20.0	20.3	12.5	11.2	11.8	12.7	11.0	12.2
18	25.2	23.2	24.0	20.1	19.5	19.8	12.6	11.9	12.2	11.0	10.2	10.5
19	25.6	23.7	24.4	19.8	19.3	19.6	12.1	11.9	12.0	10.3	9.5	9.8
20	26.2	24.1	25.1	19.4	17.7	18.6	13.1	12.1	12.6	9.5	8.8	9.1
21	24.6	23.9	24.2	17.8	17.0	17.5	13.4	12.2	12.8	9.9	8.6	9.2
22	24.2	21.2	22.6	17.1	16.2	16.7	12.2	11.0	11.7	10.7	9.3	9.9
23	21.5	20.8	21.1	17.1	15.9	16.5	11.6	10.6	11.0	10.9	9.9	10.4
24	21.4	20.6	21.0	17.3	16.4	16.8	11.1	9.8	10.4	11.3	10.1	10.7
25	21.2	20.7	20.9	17.4	16.4	16.8	9.8	8.9	9.3	12.1	10.5	11.3
26	21.9	20.7	21.3	16.8	16.2	16.5	9.9	8.8	9.3	13.0	11.3	12.2
27	22.1	21.2	21.6	16.2	14.7	15.2	10.4	9.2	9.8	16.2	12.9	14.0
28	22.0	21.1	21.5	14.7	13.9	14.3	11.8	10.1	10.8	16.7	13.3	15.1
29	21.6	21.4	21.5	14.7	13.8	14.3	12.4	10.6	11.3	14.3	11.4	13.0
30	—	—	—	14.8	14.1	14.4	11.5	9.8	10.3	11.4	9.8	10.5
31	—	—	—	—	—	—	10.1	9.3	9.8	10.9	9.6	10.2
MONTH	27.3	20.6	23.8	22.1	13.8	16.9	17.6	8.8	12.6	16.7	8.6	10.8
	FEBRUARY			MARCH			APRIL			MAY		
1	11.6	10.7	11.2	15.2	14.6	14.8	18.3	17.1	17.6	24.8	23.6	24.3
2	11.2	10.3	10.9	14.9	13.4	14.4	19.1	17.1	18.0	23.6	23.1	23.4
3	11.0	10.1	10.6	13.4	12.0	12.8	18.5	18.0	18.2	23.7	23.0	23.4
4	11.2	10.6	10.8	14.4	12.7	13.6	19.0	18.1	18.4	23.7	23.3	23.5
5	12.2	10.9	11.5	15.1	14.1	14.6	19.8	18.0	18.7	23.9	22.9	23.4
6	12.8	11.9	12.5	15.2	14.5	14.8	19.2	18.5	19.0	24.8	23.4	24.0
7	13.7	12.5	13.1	16.0	14.4	15.2	18.7	17.4	18.1	24.8	23.9	24.4
8	15.4	13.5	14.4	17.3	15.2	16.2	18.8	16.9	17.8	25.1	24.2	24.7
9	16.5	15.2	15.7	16.6	15.6	16.1	20.3	17.9	19.1	25.9	24.6	25.1
10	17.9	15.9	16.9	15.6	14.0	14.9	20.9	19.2	20.1	25.9	25.0	25.5
11	17.5	15.4	16.7	14.5	13.0	13.9	21.5	20.0	20.7	26.1	25.2	25.7
12	15.4	13.6	14.4	15.9	14.3	15.1	21.6	20.7	21.1	26.4	25.4	25.9
13	15.3	13.1	14.0	15.4	14.6	15.0	21.1	20.5	20.8	26.5	25.7	26.1
14	14.7	12.6	13.3	15.4	14.5	14.9	21.5	20.4	20.9	26.2	25.8	26.0
15	13.2	12.5	12.8	16.6	15.1	15.5	22.5	21.3	21.9	26.3	25.7	26.0
16	13.9	12.9	13.4	16.7	15.1	15.8	22.3	21.5	22.0	26.1	25.7	25.8
17	13.2	12.3	12.8	16.4	14.9	15.5	21.5	20.7	21.2	26.0	24.9	25.4
18	13.7	12.2	12.9	16.8	15.4	16.1	21.7	20.6	21.1	25.5	24.8	25.2
19	14.4	12.9	13.6	17.3	16.6	16.9	22.4	21.4	21.8	25.4	24.9	25.2
20	15.9	13.6	14.2	18.3	16.8	17.4	22.3	21.7	22.0	25.8	24.4	25.0
21	15.9	14.0	14.6	18.4	17.6	18.1	22.3	21.7	21.9	26.1	24.8	25.4
22	16.6	13.8	14.6	19.8	18.2	18.8	22.9	21.6	22.2	25.8	24.9	25.4
23	18.9	14.9	16.3	19.8	18.2	18.8	23.4	22.3	22.8	25.7	24.6	25.3
24	15.7	13.6	14.9	20.0	18.9	19.6	23.5	22.0	22.6	26.0	25.0	25.6
25	14.3	13.0	13.6	21.3	19.7	20.4	23.7	22.5	23.1	26.6	25.6	26.1
26	15.4	13.7	14.5	20.8	19.4	19.9	24.4	23.1	23.8	26.6	25.9	26.3
27	14.6	13.3	13.9	21.0	19.8	20.4	25.0	23.6	24.3	26.4	26.1	26.2
28	14.7	13.1	13.8	21.1	18.7	20.1	25.2	23.9	24.6	26.3	25.8	26.1
29	—	—	—	18.7	17.2	17.8	25.2	24.3	24.7	26.3	25.3	25.7
30	—	—	—	18.3	16.9	17.7	25.2	24.4	24.7	25.9	25.2	25.5
31	—	—	—	18.7	17.3	17.9	—	—	—	25.5	24.9	25.2
MONTH	18.9	10.1	13.6	21.3	12.0	16.5	25.2	16.9	21.1	26.6	22.9	25.2

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.3	25.1	25.7	—	—	—	15.1	14.0	14.5	10.9	9.9	10.4
2	26.6	25.2	26.0	—	—	—	15.4	14.2	14.7	11.7	10.8	11.2
3	26.8	25.7	26.1	15.6	14.5	15.1	17.3	15.0	16.2	11.5	10.5	11.2
4	26.4	25.4	26.0	16.9	15.6	16.2	17.6	15.8	16.7	10.5	9.8	10.1
5	26.5	25.6	26.1	17.9	16.8	17.3	16.2	14.0	15.5	10.2	9.3	9.8
6	26.5	25.7	26.1	18.1	16.2	17.3	15.8	13.3	14.3	11.0	9.8	10.4
7	26.7	25.5	26.0	16.2	15.6	15.9	14.4	13.1	13.6	11.4	10.7	11.1
8	26.8	25.5	26.0	15.8	15.2	15.5	14.3	13.4	13.7	10.8	10.2	10.5
9	27.3	26.1	26.4	15.3	14.4	14.8	14.4	13.3	13.8	10.5	9.7	10.0
10	26.1	24.5	25.3	15.3	14.0	14.6	14.4	14.0	14.2	10.4	9.6	10.0
11	24.5	23.5	23.9	15.3	14.0	14.7	14.7	13.0	13.7	10.8	10.0	10.4
12	23.8	23.1	23.4	16.7	14.8	15.7	13.1	12.4	12.8	11.3	10.7	10.9
13	23.6	23.0	23.3	19.4	16.7	18.1	14.0	12.8	13.4	10.8	10.2	10.6
14	23.6	22.6	23.0	21.7	19.4	20.7	13.6	12.7	13.2	11.1	9.8	10.4
15	23.2	22.1	22.6	22.1	19.1	21.3	12.9	11.6	12.3	11.5	9.7	10.4
16	22.9	22.1	22.7	20.3	19.0	19.7	12.1	11.1	11.6	11.4	9.6	10.2
17	23.4	22.7	23.0	20.5	20.0	20.3	12.5	11.2	11.8	12.7	11.0	12.2
18	25.2	23.2	24.0	20.1	19.5	19.8	12.6	11.9	12.2	11.0	10.2	10.5
19	25.6	23.7	24.4	19.8	19.3	19.6	12.1	11.9	12.0	10.3	9.5	9.8
20	26.2	24.1	25.1	19.4	17.7	18.6	13.1	12.1	12.6	9.5	8.8	9.1
21	24.6	23.9	24.2	17.8	17.0	17.5	13.4	12.2	12.8	9.9	8.6	9.2
22	24.2	21.2	22.6	17.1	16.2	16.7	12.2	11.0	11.7	10.7	9.3	9.9
23	21.5	20.8	21.1	17.1	15.9	16.5	11.6	10.6	11.0	10.9	9.9	10.4
24	21.4	20.6	21.0	17.3	16.4	16.8	11.1	9.8	10.4	11.3	10.1	10.7
25	21.2	20.7	20.9	17.4	16.4	16.8	9.8	8.9	9.3	12.1	10.5	11.3
26	21.9	20.7	21.3	16.8	16.2	16.5	9.9	8.8	9.3	13.0	11.3	12.2
27	22.1	21.2	21.6	16.2	14.7	15.2	10.4	9.2	9.8	16.2	12.9	14.0
28	22.0	21.1	21.5	14.7	13.9	14.3	11.8	10.1	10.8	16.7	13.3	15.1
29	21.6	21.4	21.5	14.7	13.8	14.3	12.4	10.6	11.3	14.3	11.4	13.0
30	—	—	—	14.8	14.1	14.4	11.5	9.8	10.3	11.4	9.8	10.5
31	—	—	—	—	—	—	10.1	9.3	9.8	10.9	9.6	10.2
MONTH	27.3	20.6	23.8	22.1	13.8	16.9	17.6	8.8	12.6	16.7	8.6	10.8
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.8	24.5	25.2	31.1	30.1	30.6	29.0	28.6	28.8	30.6	29.9	30.3
2	26.6	25.2	25.9	31.3	30.1	30.6	28.6	27.6	28.0	30.8	29.8	30.3
3	27.2	25.8	26.6	31.9	30.5	30.9	28.2	26.6	27.6	31.1	29.7	30.3
4	27.9	26.4	27.2	32.3	30.6	31.2	29.6	28.2	28.5	30.8	29.7	30.2
5	27.5	26.8	27.2	32.0	31.0	31.4	29.4	28.6	29.0	30.2	29.4	29.8
6	29.0	27.2	27.8	31.7	30.6	31.2	29.9	28.7	29.2	30.2	29.6	29.9
7	28.9	27.7	28.3	31.8	30.7	31.1	30.1	29.2	29.6	31.0	29.6	30.3
8	29.6	28.4	29.0	30.8	30.3	30.6	30.8	29.4	29.7	31.5	30.1	30.6
9	30.1	28.8	29.4	30.5	29.4	29.8	29.9	29.2	29.6	31.5	30.1	30.6
10	30.0	29.2	29.6	29.7	29.2	29.4	30.2	29.1	29.6	31.0	29.6	30.2
11	29.8	29.1	29.4	29.2	28.2	28.7	30.6	29.2	29.8	29.9	29.2	29.6
12	29.8	29.0	29.3	28.6	27.8	28.2	30.3	29.6	29.9	30.4	28.9	29.4
13	29.9	28.7	29.2	28.2	27.1	27.5	30.8	29.4	29.8	30.0	28.5	29.1
14	29.8	28.9	29.4	28.1	26.8	27.4	30.9	29.6	30.1	29.2	27.8	28.3
15	30.1	29.0	29.5	28.6	27.2	27.9	31.0	29.7	30.1	28.3	26.9	27.4
16	30.7	29.4	30.0	29.3	27.8	28.5	30.9	29.6	30.1	27.8	26.4	27.0
17	30.4	29.8	30.1	29.7	28.3	29.0	30.6	29.8	30.1	28.5	27.1	27.7
18	30.6	29.6	30.0	30.5	28.8	29.5	30.5	29.7	30.0	29.5	28.2	28.7
19	30.4	29.3	29.8	30.0	29.3	29.7	30.8	29.7	30.1	29.0	28.0	28.4
20	29.8	29.0	29.5	30.2	29.3	29.7	30.9	30.0	30.4	28.9	27.5	28.2
21	30.1	29.2	29.7	30.1	29.3	29.7	30.5	29.6	30.0	28.4	27.7	28.0
22	30.3	29.5	29.8	29.9	29.3	29.6	30.8	29.5	29.9	28.1	27.3	27.7
23	29.5	28.4	29.0	29.7	29.0	29.4	29.9	29.3	29.6	28.1	26.6	27.5
24	28.7	27.7	28.3	30.3	29.1	29.5	30.3	28.9	29.5	28.0	26.3	27.1
25	29.0	27.5	28.2	30.4	29.3	29.9	30.3	29.2	29.8	27.3	26.2	26.8
26	29.1	28.1	28.6	30.5	29.7	30.1	30.8	29.2	29.7	27.0	25.9	26.4
27	29.6	28.5	29.0	30.2	29.0	29.5	30.6	29.1	29.7	27.6	26.0	26.5
28	30.1	29.0	29.5	30.0	28.7	29.3	31.1	29.2	29.9	27.5	26.2	26.7
29	30.3	29.4	29.8	30.1	28.8	29.4	30.7	29.7	30.2	27.5	26.4	26.8
30	31.2	29.6	30.3	30.4	28.9	29.5	30.6	29.9	30.2	26.9	26.4	26.7
31	—	—	—	29.6	28.9	29.2	30.6	29.8	30.2	—	—	—
MONTH	31.2	24.5	28.8	32.3	26.8	29.6	31.1	26.6	29.6	31.5	25.9	28.5

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA

LOCATION.—Lat 29°24'22", long 90°44'15", in sec.73, T.19 S, R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, on a three pile platform, 2.25 mi west of Dulac.

DRAINAGE AREA.—Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1993 to current year.

GAGE.— Outside has Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Inside has Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors.

REMARKS.—Gage height affected by wind and tide. This has a gated structure that opens when water is flowing out of the marsh, and closes when water is flowing in. It can also be controlled manually. Datum of gage is sea level reported by Department of Natural Resources, Coastal Restoration Division.

EXTREMES FOR PERIOD OF RECORD.—Maximum outside gage height, 2.01 ft, Sept. 16, 1994; minimum outside gage height, -0.72 ft, Jan. 8, 1994; maximum inside gage height, 2.58 ft, June 21, 1993; minimum inside gage height, 0.13 ft, Mar. 31, 1994.

EXTREMES FOR CURRENT PERIOD.—June to September 1993: Maximum outside gage height recorded during period, 1.88 ft, June 20; minimum outside gage height recorded during period, 0.23 ft, July 25, 26; maximum inside gage height, 2.58 ft, June 21; minimum inside gage height, 0.93 ft, Sept. 30.

Water year 1994: Maximum outside gage height recorded during period, 2.01 ft, Sept. 16; minimum outside gage height recorded during period, -0.72 ft, Jan. 8; maximum inside gage height, 1.47 ft, Oct. 30; minimum inside gage height, 0.13 ft, Mar. 31.

OUTSIDE GAGE HEIGHT, FEET, WATER YEAR JUNE 1993 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	.82	.26	.55	.90	.59	.72
2	---	---	---	---	---	---	.96	.32	.66	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	.88	.58	.73
5	---	---	---	---	---	---	.82	.48	.67	.95	.65	.82
6	---	---	---	---	---	---	.87	.63	.77	1.13	.74	.95
7	---	---	---	---	---	---	.92	.61	.78	1.27	.84	1.03
8	---	---	---	---	---	---	.84	.48	.68	1.27	.77	1.05
9	---	---	---	---	---	---	.80	.43	.62	1.27	.78	1.05
10	---	---	---	---	---	---	.84	.43	.63	1.25	.69	.99
11	---	---	---	---	---	---	.88	.45	.67	1.09	.59	.86
12	---	---	---	---	---	---	1.07	.55	.83	1.31	.64	1.04
13	---	---	---	---	---	---	1.14	.52	.86	1.51	.89	1.30
14	---	---	---	---	---	---	1.09	.51	.80	1.81	1.27	1.57
15	.86	.44	.69	---	---	---	.98	.46	.73	1.45	1.09	1.32
16	1.18	.62	.94	1.11	.44	.79	.94	.36	.63	1.09	.88	1.02
17	1.33	.78	1.15	1.06	.44	.78	---	---	---	1.24	.83	1.00
18	1.58	1.10	1.37	1.12	.47	.82	---	---	---	1.34	.93	1.15
19	1.80	1.29	1.58	1.10	.52	.80	---	---	---	1.57	1.15	1.37
20	1.88	1.43	1.65	.84	.47	.67	---	---	---	1.69	1.11	1.42
21	1.71	1.32	1.51	.72	.34	.50	---	---	---	1.64	1.09	1.39
22	1.53	1.16	1.33	.62	.34	.50	---	---	---	---	---	---
23	1.54	1.09	1.32	.54	.37	.45	---	---	---	1.51	.94	1.24
24	1.36	1.13	1.24	.56	.28	.41	---	---	---	1.37	.92	1.15
25	---	---	---	.64	.23	.42	---	---	---	1.38	.95	1.18
26	---	---	---	.70	.23	.47	1.09	.49	.83	1.42	.96	1.22
27	---	---	---	.93	.34	.64	1.24	.63	.96	.98	.29	.73
28	---	---	---	1.00	.35	.72	1.01	.56	.83	.80	.40	.60
29	---	---	---	.94	.35	.67	.99	.56	.81	.93	.57	.74
30	---	---	---	.98	.38	.70	.88	.57	.73	1.07	.65	.85
31	---	---	---	.82	.32	.59	.88	.48	.70	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	1.81	.29	1.06

MISSISSIPPI RIVER DELTA
07381329 MILL CREEK NEAR DULAC, LA--Continued
OUTSIDE GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.22	.84	1.02	.52	.10	.32	.94	.26	.63	.85	.12	.47
2	1.25	.73	.96	.72	.14	.38	1.21	.56	.89	.91	.23	.56
3	1.01	.49	.79	.88	.25	.54	1.35	.89	1.15	.75	-.05	.33
4	1.05	.56	.81	1.03	.49	.77	1.47	.83	1.18	.01	-.29	-.15
5	1.13	.62	.88	1.11	.61	.85	.83	.45	.64	.29	-.49	-.17
6	1.25	.57	.95	.81	-.08	.29	.80	.36	.55	.47	-.20	.18
7	1.21	.79	1.03	.56	-.09	.12	.85	.30	.54	.46	-.13	.15
8	1.44	1.05	1.25	.65	.29	.50	.94	.24	.59	.33	-.72	-.26
9	1.51	.89	1.24	.66	.32	.52	1.08	.43	.73	.50	-.37	.06
10	.96	.60	.84	.86	.28	.53	1.15	.47	.84	.55	-.19	.21
11	1.05	.68	.88	1.06	.40	.72	1.14	.28	.69	.75	-.08	.30
12	1.11	.80	.98	1.28	.63	.95	1.17	.34	.70	.81	.05	.39
13	1.41	1.06	1.28	1.45	.85	1.12	1.50	.94	1.24	.71	.20	.46
14	1.34	.96	1.14	1.52	1.03	1.28	1.50	.57	.91	.67	-.08	.23
15	1.36	.83	1.08	1.51	.86	1.15	.86	.27	.55	.29	-.28	-.01
16	1.43	.86	1.16	1.38	.88	1.11	.98	.33	.59	.85	.04	.32
17	1.51	.99	1.26	1.51	.65	1.10	.68	.17	.43	1.09	.24	.76
18	1.64	1.06	1.37	.86	.42	.65	.72	.20	.50	.24	-.13	.03
19	1.66	1.14	1.33	1.02	.53	.79	.84	.41	.58	.24	-.21	.00
20	1.70	1.14	1.32	.76	.12	.31	1.03	.57	.87	.41	-.15	.13
21	1.44	1.18	1.36	.46	.18	.28	.67	.17	.42	.33	-.42	-.03
22	1.33	.57	.89	.52	.08	.28	.71	.36	.54	.48	-.26	.09
23	.96	.65	.82	.59	.12	.33	.65	.11	.35	.60	-.25	.15
24	1.20	.91	1.10	.57	.08	.34	.61	.06	.35	.61	-.13	.21
25	1.25	1.06	1.15	.64	.02	.33	.57	-.01	.17	.68	-.06	.29
26	1.30	1.01	1.12	.62	.00	.24	.41	-.30	.02	.78	-.04	.36
27	1.06	.71	.85	.45	-.42	-.02	.66	-.21	.14	1.17	.37	.75
28	1.11	.70	1.05	.68	-.20	.19	.69	.01	.30	1.20	.34	.65
29	1.52	.80	1.11	.71	-.05	.35	.65	-.03	.23	.45	.01	.20
30	1.52	.50	.94	.82	-.06	.36	.38	-.40	-.06	.30	-.14	.12
31	.50	-.03	.21	---	---	---	.50	-.09	.23	.14	-.30	-.04
MONTH	1.70	-.03	1.04	1.52	-.42	.56	1.50	-.40	.56	1.20	-.72	.22

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.30	-.44	-.09	1.27	.60	.98	.76	-.01	.38	1.36	1.06	1.17
2	.42	-.37	.01	.96	.07	.56	.87	.19	.54	1.22	.87	1.05
3	.40	-.31	.03	.42	-.15	.10	.64	.25	.48	1.31	1.00	1.17
4	.60	-.25	.18	.47	-.12	.17	.83	.07	.40	1.00	.55	.70
5	.78	-.14	.31	.53	-.19	.18	1.27	.54	.85	.66	.46	.55
6	.75	.07	.41	.85	-.01	.38	1.27	.55	.86	.72	.49	.59
7	.76	.06	.39	.83	.28	.58	.63	.38	.51	.94	.51	.73
8	1.00	.31	.59	.91	.38	.60	.87	.59	.71	.93	.52	.76
9	1.05	.40	.71	1.01	.55	.82	1.11	.62	.94	.93	.50	.70
10	1.24	.79	.99	.57	.03	.23	1.27	.83	1.09	.91	.47	.67
11	.96	.32	.53	.33	-.05	.18	1.40	1.01	1.22	1.13	.44	.80
12	.44	.22	.31	.57	.31	.42	1.76	1.01	1.29	1.15	.61	.89
13	.39	-.32	.03	.46	.25	.39	1.20	.93	1.06	1.30	.65	1.00
14	.28	-.38	-.05	.69	.23	.44	1.35	.86	1.12	1.44	.88	1.16
15	.36	.08	.26	.70	.24	.51	1.58	.94	1.26	1.42	.99	1.20
16	.44	-.06	.20	.54	.19	.37	1.21	.93	1.10	1.37	.94	1.14
17	.72	-.09	.34	.92	.18	.56	1.16	.71	.93	---	---	---
18	.79	.15	.47	.99	.39	.70	1.14	.73	.94	---	---	---
19	.94	.35	.68	.96	.39	.66	1.12	.71	.92	---	---	---
20	1.11	.37	.77	1.14	.47	.81	.99	.67	.85	---	---	---
21	1.10	.43	.76	.97	.55	.77	.99	.69	.84	.62	.34	.49
22	1.47	.56	1.05	1.01	.33	.63	.96	.77	.86	.67	.19	.48
23	1.43	.66	.96	1.23	.63	.94	.91	.80	.85	.62	.14	.41
24	.91	.21	.51	1.21	.81	1.02	1.35	.86	1.17	.82	.12	.51
25	.99	.53	.73	1.18	.53	.80	1.61	.97	1.35	1.01	.27	.67
26	.84	.32	.53	1.24	.71	1.00	1.83	1.20	1.53	1.17	.42	.81
27	.61	.33	.46	1.61	1.16	1.36	1.74	1.25	1.51	1.09	.48	.80
28	.72	.39	.61	1.17	.35	.84	1.71	1.23	1.48	1.23	.54	.87
29	---	---	---	.78	.21	.46	1.66	1.20	1.44	1.44	.56	1.05
30	---	---	---	.71	.23	.44	1.72	1.26	1.46	1.21	.80	.96
31	---	---	---	.59	-.07	.23	---	---	---	1.18	.72	.95
MONTH	1.47	-.44	.45	1.61	-.19	.58	1.83	-.01	1.00	1.44	.12	.83

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

OUTSIDE GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1.07	.91	1.01	.54	-.04	.36	.82	.29	.57	1.18	.65	.94
2	1.05	.84	.97	.81	.38	.62	1.09	.35	.80	.96	.45	.76
3	1.01	.79	.92	.97	.45	.73	1.30	.68	1.03	.83	.37	.61
4	1.26	.80	.97	1.07	.50	.84	1.22	.69	.96	.91	.37	.72
5	1.35	.81	1.16	1.15	.51	.89	1.20	.66	.91	1.01	.61	.86
6	1.29	.85	1.11	1.03	.47	.76	1.18	.46	.90	1.10	.82	.98
7	1.33	.83	1.11	1.19	.48	.93	1.10	.64	.86	1.18	.84	1.03
8	1.35	.83	1.07	1.34	.73	1.06	1.15	.64	.92	1.26	.88	1.09
9	1.27	.78	1.00	1.40	.67	1.06	1.14	.78	.99	1.39	1.00	1.19
10	1.06	.61	.86	1.39	.83	1.09	.98	.82	.91	1.52	.89	1.24
11	1.09	.49	.78	1.45	.87	1.15	1.05	.68	.94	1.48	.94	1.22
12	1.11	.57	.83	1.30	.99	1.16	1.14	.69	.99	1.42	.92	1.19
13	.98	.61	.79	1.32	1.08	1.16	1.24	.85	1.05	1.49	1.06	1.32
14	.95	.53	.76	1.14	.86	1.05	1.32	.74	1.07	1.64	1.18	1.44
15	.97	.61	.79	1.07	.59	.90	---	---	---	1.69	1.29	1.54
16	.71	.46	.57	1.05	.60	.84	---	---	---	2.01	1.57	1.83
17	.67	.17	.49	.95	.49	.75	---	---	---	1.62	1.14	1.49
18	.59	.27	.40	.91	.34	.65	---	---	---	1.14	.84	1.03
19	.75	.26	.52	.99	.30	.68	---	---	---	1.00	.73	.86
20	.97	.29	.65	1.05	.39	.73	1.32	.60	.99	1.05	.70	.85
21	1.03	.29	.70	1.12	.39	.76	1.04	.64	.90	1.12	.74	.95
22	1.01	.27	.68	1.00	.42	.72	.98	.60	.78	1.26	.99	1.13
23	1.21	.41	.84	.89	.37	.64	.88	.63	.72	1.29	.73	.97
24	1.13	.57	.83	.88	.34	.60	.76	.48	.66	1.22	.81	1.01
25	.97	.51	.74	.68	.36	.52	.90	.47	.70	1.12	.46	.77
26	.89	.37	.67	.69	.37	.54	1.08	.58	.87	.98	.57	.77
27	.72	.43	.58	.66	.34	.51	1.10	.62	.89	1.08	.57	.83
28	.57	.36	.46	.42	.22	.33	1.22	.74	.98	1.01	.26	.72
29	---	---	---	.58	.30	.44	1.17	.74	.97	1.02	.60	.84
30	.39	.20	.29	.70	.26	.49	1.18	.73	.99	1.18	.88	1.03
31	---	---	---	.80	.29	.58	1.23	.65	.98	---	---	---
MONTH	1.35	.17	.78	1.45	-.04	.76	1.32	.29	.90	2.01	.26	1.04

INSIDE GAGE HEIGHT, FEET, WATER YEAR JUNE 1993 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	1.83	1.70	1.76	---	---	---
2	---	---	---	---	---	---	1.91	1.68	1.79	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	1.86	1.78	1.82
5	---	---	---	---	---	---	1.89	1.78	1.83	1.82	1.72	1.77
6	---	---	---	---	---	---	1.96	1.84	1.90	1.75	1.53	1.62
7	---	---	---	---	---	---	2.06	1.91	1.98	1.63	1.46	1.56
8	---	---	---	---	---	---	1.97	1.81	1.91	1.64	1.43	1.53
9	---	---	---	---	---	---	1.90	1.78	1.84	1.63	1.44	1.54
10	---	---	---	---	---	---	1.90	1.74	1.83	1.63	1.39	1.52
11	---	---	---	---	---	---	1.90	1.74	1.82	1.69	1.48	1.56
12	---	---	---	---	---	---	2.00	1.64	1.85	1.69	1.41	1.52
13	---	---	---	---	---	---	1.84	1.63	1.74	1.53	1.21	1.34
14	---	---	---	---	---	---	1.86	1.68	1.76	1.27	.99	1.10
15	---	---	---	---	---	---	1.80	1.65	1.73	1.19	1.04	1.12
16	---	---	---	2.08	1.67	1.85	1.74	1.61	1.67	1.28	1.19	1.26
17	---	---	---	2.00	1.83	1.92	---	---	---	1.32	1.28	1.30
18	2.35	2.07	2.21	2.04	1.80	1.92	---	---	---	1.34	1.29	1.32
19	---	---	---	2.00	1.82	1.91	---	---	---	1.33	1.28	1.30
20	---	---	---	1.92	1.78	1.83	---	---	---	1.29	1.26	1.27
21	2.58	2.45	2.51	1.78	1.64	1.68	---	---	---	1.28	1.24	1.26
22	---	---	---	1.66	1.60	1.63	---	---	---	---	---	---
23	2.52	2.23	2.39	1.62	1.54	1.58	---	---	---	1.23	1.18	1.21
24	2.41	2.26	2.31	1.57	1.48	1.53	---	---	---	1.19	1.15	1.18
25	---	---	---	1.58	1.48	1.53	---	---	---	1.17	1.14	1.15
26	---	---	---	1.65	1.48	1.57	---	---	---	1.18	1.13	1.15
27	---	---	---	1.78	1.52	1.67	---	---	---	1.17	1.08	1.13
28	---	---	---	1.86	1.62	1.75	---	---	---	1.08	1.00	1.03
29	---	---	---	1.97	1.68	1.80	---	---	---	1.00	.95	.97
30	---	---	---	1.98	1.82	1.90	---	---	---	.96	.93	.95
31	---	---	---	1.89	1.77	1.83	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	1.86	.93	1.34

MISSISSIPPI RIVER DELTA
07381329 MILL CREEK NEAR DULAC, LA—Continued
INSIDE GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.96	.94	.95	1.26	1.18	1.22	.97	.96	.96	.87	.87	.87
2	.99	.96	.97	1.18	1.13	1.16	.96	.95	.96	.87	.85	.86
3	.96	.93	.95	1.13	1.09	1.11	.99	.96	.98	.86	.84	.85
4	.94	.90	.92	1.09	1.06	1.08	1.08	.99	1.05	.84	.81	.83
5	.92	.90	.91	1.07	1.06	1.07	1.06	1.02	1.04	.81	.78	.80
6	.92	.90	.91	1.07	1.01	1.04	1.02	.98	1.00	.78	.77	.77
7	.92	.90	.91	1.01	.95	.98	.98	.96	.97	.78	.76	.77
8	.97	.91	.94	.95	.92	.94	.96	.94	.95	.78	.75	.76
9	1.02	.97	1.00	.99	.93	.97	.94	.92	.93	.75	.72	.73
10	1.01	.95	.99	.98	.95	.96	.99	.93	.96	.72	.71	.72
11	.95	.93	.94	.96	.95	.95	.99	.97	.98	.75	.71	.72
12	.95	.92	.93	.98	.96	.96	.97	.94	.95	.77	.74	.75
13	1.08	.95	1.02	1.02	.98	.99	1.05	.95	.98	.84	.77	.83
14	1.09	1.07	1.08	1.09	1.02	1.06	1.08	1.05	1.07	.84	.82	.83
15	1.08	1.05	1.07	1.34	1.09	1.20	1.05	1.01	1.03	.82	.79	.81
16	1.08	1.06	1.07	1.33	1.27	1.29	1.01	.98	.99	.79	.76	.77
17	1.10	1.06	1.08	1.43	1.28	1.40	.98	.95	.96	.85	.76	.81
18	1.13	1.09	1.11	1.39	1.33	1.36	.95	.93	.94	.85	.82	.84
19	1.15	1.12	1.14	1.33	1.29	1.31	.95	.93	.94	.82	.80	.81
20	1.18	1.14	1.16	1.30	1.26	1.28	.99	.95	.99	.80	.77	.78
21	1.39	1.18	1.33	1.26	1.21	1.23	.99	.96	.97	.77	.74	.75
22	1.33	1.25	1.29	1.21	1.17	1.19	1.01	.94	.97	.74	.72	.73
23	1.25	1.18	1.21	1.17	1.14	1.16	1.01	.99	1.00	.72	.70	.71
24	1.19	1.18	1.19	1.14	1.11	1.13	.99	.98	.98	.70	.68	.69
25	1.21	1.19	1.20	1.11	1.08	1.10	.98	.96	.97	.68	.65	.67
26	1.22	1.18	1.20	1.09	1.07	1.07	.96	.93	.94	.65	.60	.62
27	1.18	1.12	1.15	1.07	1.04	1.06	.93	.91	.92	.78	.60	.64
28	1.12	1.07	1.09	1.04	1.01	1.03	.91	.89	.90	.81	.72	.76
29	1.42	1.07	1.14	1.01	.98	1.00	.93	.89	.91	.73	.69	.72
30	1.47	1.37	1.43	.98	.96	.97	.92	.89	.91	.69	.61	.65
31	1.37	1.26	1.31	---	---	---	.89	.87	.88	.61	.54	.58
MONTH	1.47	.90	1.08	1.43	.92	1.11	1.08	.87	.97	.87	.54	.76

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.54	.49	.51	.97	.62	.79	.37	.17	.30	.93	.92	.93
2	.49	.44	.47	.97	.82	.90	.38	.33	.37	.96	.93	.94
3	.44	.40	.42	.82	.68	.75	.40	.37	.38	.97	.96	.96
4	.41	.38	.39	.68	.57	.62	.39	.23	.32	.96	.84	.89
5	.44	.39	.41	.57	.51	.53	.38	.36	.37	.86	.74	.81
6	.48	.44	.45	.54	.47	.50	.41	.38	.40	.83	.72	.79
7	.49	.46	.47	.72	.47	.58	.41	.40	.40	.82	.73	.80
8	.56	.48	.49	.72	.48	.57	.41	.39	.40	.82	.69	.80
9	.62	.56	.58	.73	.56	.64	.41	.39	.40	.79	.65	.75
10	.83	.62	.70	.67	.31	.43	.41	.40	.40	.76	.59	.70
11	.83	.72	.78	.43	.23	.35	.41	.40	.40	.74	.56	.69
12	.72	.63	.67	.52	.43	.49	.66	.40	.49	.74	.69	.72
13	.63	.55	.60	.52	.40	.49	.69	.66	.68	.72	.68	.71
14	.55	.48	.51	.51	.38	.47	.72	.69	.71	.74	.72	.73
15	.48	.45	.46	.53	.41	.50	.75	.72	.73	.74	.73	.73
16	.46	.44	.45	.49	.35	.44	.90	.75	.86	.73	.72	.72
17	.44	.42	.43	.47	.33	.43	.91	.83	.89	---	---	---
18	.46	.43	.44	.50	.46	.49	.92	.85	.90	---	---	---
19	.58	.46	.50	.50	.48	.49	.92	.84	.89	---	---	---
20	.72	.56	.61	.51	.49	.50	.91	.81	.87	---	---	---
21	.79	.69	.72	.51	.50	.51	.89	.81	.87	---	---	---
22	1.00	.78	.84	.51	.45	.48	.90	.88	.89	---	---	---
23	1.08	.94	1.01	.49	.49	.49	.89	.88	.89	---	---	---
24	.94	.80	.86	.50	.49	.49	.89	.88	.89	---	---	---
25	.84	.77	.80	.50	.49	.50	.90	.89	.90	---	---	---
26	.78	.70	.75	.49	.48	.49	.90	.90	.90	---	---	---
27	.70	.62	.66	.53	.48	.49	.91	.90	.91	---	---	---
28	.62	.61	.62	.56	.49	.55	.92	.91	.92	---	---	---
29	---	---	---	.50	.36	.46	.92	.92	.92	---	---	---
30	---	---	---	.49	.37	.45	.92	.92	.92	---	---	---
31	---	---	---	.42	.13	.30	---	---	---	---	---	---
MONTH	1.08	.38	.59	.97	.13	.52	.92	.17	.67	---	---	---

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

INSIDE GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN JUNE	MEAN	MAX	MIN JULY	MEAN	MAX	MIN AUGUST	MEAN	MAX	MIN SEPTEMBER	MEAN
1	--	--	--	.55	.37	.43	.77	.46	.61	--	--	--
2	--	--	--	.76	.42	.62	.95	.47	.76	--	--	--
3	--	--	--	.84	.50	.71	1.06	.72	.95	--	--	--
4	--	--	--	.93	.55	.79	1.05	.82	.94	--	--	--
5	--	--	--	.99	.66	.85	1.04	.81	.92	--	--	--
6	--	--	--	.93	.65	.79	1.04	.79	.91	--	--	--
7	--	--	--	.96	.63	.86	1.00	.77	.88	--	--	--
8	--	--	--	1.10	.84	.99	1.07	.77	.92	--	--	--
9	--	--	--	1.16	.85	1.03	1.08	.93	1.00	--	--	--
10	--	--	--	1.16	.97	1.08	1.01	.88	.94	--	--	--
11	--	--	--	1.36	1.00	1.18	1.00	.87	.94	--	--	--
12	--	--	--	1.36	1.20	1.25	1.06	.87	.98	--	--	--
13	--	--	--	1.32	1.28	1.30	1.12	.91	1.03	--	--	--
14	--	--	--	1.30	1.19	1.25	1.16	.90	1.05	--	--	--
15	--	--	--	1.19	1.10	1.16	--	--	--	--	--	--
16	--	--	--	1.12	1.01	1.08	--	--	--	--	--	--
17	--	--	--	1.04	.92	1.00	--	--	--	--	--	--
18	--	--	--	.97	.84	.92	--	--	--	--	--	--
19	--	--	--	.96	.79	.87	--	--	--	--	--	--
20	--	--	--	1.01	.77	.87	1.09	1.08	1.08	--	--	--
21	--	--	--	1.03	.76	.87	1.09	1.08	1.08	--	--	--
22	--	--	--	.96	.73	.82	1.09	1.08	1.09	--	--	--
23	--	--	--	.88	.69	.77	1.09	1.08	1.09	--	--	--
24	--	--	--	.84	.67	.73	1.09	1.08	1.09	--	--	--
25	--	--	--	.67	.59	.64	1.09	1.08	1.08	--	--	--
26	--	--	--	.66	.56	.60	1.09	1.08	1.09	--	--	--
27	--	--	--	.66	.55	.59	1.09	1.08	1.08	--	--	--
28	--	--	--	.55	.48	.51	1.09	1.08	1.08	--	--	--
29	--	--	--	.57	.45	.51	1.09	1.08	1.08	--	--	--
30	.45	.37	.41	.67	.44	.54	1.09	1.07	1.08	--	--	--
31	--	--	--	.75	.46	.61	1.08	.97	1.01	--	--	--
MONTH	--	--	--	1.36	.37	.85	1.16	.46	.99	--	--	--

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
		JUNE				JULY			AUGUST				SEPTEMBER		
1	--	--	--		--	--	--		1050	732	941		--	--	--
2	--	--	--		--	--	--		963	644	757		--	--	--
3	--	--	--		--	--	--		--	--	--		--	--	--
4	--	--	--		--	--	--		--	--	--		--	--	--
5	--	--	--		--	--	--		958	664	831		--	--	--
6	--	--	--		--	--	--		856	664	756		--	--	--
7	--	--	--		--	--	--		822	552	690		--	--	--
8	--	--	--		--	--	--		934	612	753		--	--	--
9	--	--	--		--	--	--		1150	722	884		--	--	--
10	--	--	--		--	--	--		1160	779	904		--	--	--
11	--	--	--		--	--	--		888	547	702		--	--	--
12	--	--	--		--	--	--		614	403	520		--	--	--
13	--	--	--		--	--	--		595	422	518		--	--	--
14	--	--	--		--	--	--		622	412	506		--	--	--
15	--	--	--		--	--	--		564	396	475		--	--	--
16	--	--	--		694	279	522		644	414	523		--	--	--
17	--	--	--		688	266	524		--	--	--		--	--	--
18	7540	554	2860		704	341	551		--	--	--		--	--	--
19	18300	2370	8110		686	420	516		--	--	--		--	--	--
20	18300	5760	12500		726	486	610		--	--	--		--	--	--
21	14900	3870	7490		851	592	686		--	--	--		--	--	--
22	--	--	--		791	520	643		--	--	--		--	--	--
23	4700	1760	2860		1110	440	774		--	--	--		940	717	837
24	2400	1460	2060		873	578	722		--	--	--		1020	707	840
25	--	--	--		749	342	575		--	--	--		929	700	806
26	--	--	--		687	355	497		--	--	--		833	579	701
27	--	--	--		557	315	427		--	--	--		807	577	690
28	--	--	--		--	--	573		--	--	--		788	616	553
29	--	--	--		993	742	837		1580	234	791		786	549	660
30	--	--	--		1080	814	907		1020	209	609		674	509	594
31	--	--	--		1120	783	926		--	--	--		--	--	--
MONTH	--	--	--		--	--	--		--	--	--		--	--	--

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA—Continued

OUTSIDE SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	759	468	598	1060	698	898	1170	725	824	815	629	729
2	952	509	738	1090	845	957	1660	669	1200	778	573	659
3	1050	742	865	873	563	725	7770	1300	4380	654	547	586
4	1000	637	820	686	562	631	6060	2050	3720	831	554	683
5	809	589	704	789	594	647	2050	1270	1440	930	684	788
6	748	571	647	688	541	634	1570	1260	1420	854	664	734
7	685	540	605	731	530	664	1560	1100	1350	807	640	702
8	5610	520	3120	1550	530	1080	1330	1120	1220	821	623	707
9	7410	3870	5340	1700	1250	1410	1250	781	1120	826	559	698
10	4160	1580	2430	1750	1430	1590	1030	573	877	911	669	807
11	1960	818	1340	3420	1520	2760	1070	573	849	1370	774	1120
12	1140	822	954	9530	2830	5870	1310	769	984	2450	1170	1850
13	3510	848	1300	17000	9530	13500	1120	744	920	1540	667	1260
14	3620	2640	3420	18900	15000	17100	1020	750	902	1000	584	731
15	2640	1170	1610	19700	10700	17100	910	650	801	928	669	820
16	1400	975	1230	11300	2410	6440	971	650	800	4840	876	1130
17	1130	732	944	4520	1270	2400	976	692	866	24800	4840	18500
18	1550	611	986	4550	2840	3790	1060	841	915	10900	4840	6800
19	2240	657	1350	2840	954	1280	1050	571	938	4850	1260	2470
20	1450	1100	1280	2620	1840	2320	1030	569	754	1760	1230	1510
21	1230	967	1110	2760	835	2000	873	639	703	2310	675	1700
22	1340	1160	1260	1210	796	993	825	652	754	1180	644	874
23	1420	1270	1330	1030	612	832	985	785	866	961	550	786
24	1340	1210	1300	1160	768	932	989	434	856	1100	615	865
25	1310	1140	1220	1470	878	1070	944	426	587	1270	781	1020
26	1670	1190	1480	1400	887	1150	874	586	718	1040	753	890
27	1630	1380	1520	1550	911	1400	790	383	685	1000	716	878
28	1950	1350	1710	911	659	782	820	678	752	6340	944	3350
29	1720	485	849	986	732	845	811	580	720	1730	1220	1440
30	847	530	679	919	689	800	914	584	781	1780	550	1450
31	1080	792	927	—	—	—	847	501	705	1240	618	930
MONTH	7410	468	1410	19700	530	3090	7770	383	1110	24800	547	1850

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1480	575	1130	1750	785	1090	890	461	669	452	363	386
2	813	575	683	1570	1160	1390	624	174	477	435	323	368
3	726	389	576	1470	1090	1310	503	258	390	502	326	403
4	748	622	687	1090	774	951	602	299	444	573	198	340
5	770	599	665	883	586	755	505	256	390	947	288	572
6	888	534	717	613	424	522	351	148	261	935	398	611
7	666	431	584	746	365	525	339	106	188	764	291	423
8	695	559	614	623	329	503	376	127	245	741	247	390
9	751	531	601	500	294	415	327	164	239	765	364	472
10	638	264	485	1060	299	735	371	204	276	915	313	520
11	537	227	341	1260	933	1120	344	223	269	532	311	441
12	655	274	441	939	382	703	352	165	251	574	316	437
13	456	334	406	947	632	765	315	144	194	474	316	381
14	519	292	384	986	652	761	391	170	274	438	249	346
15	525	214	407	779	654	698	348	237	292	441	248	348
16	516	311	446	1130	672	888	276	167	213	447	247	325
17	567	311	434	1060	407	834	573	146	284	—	—	—
18	534	280	385	724	450	543	565	162	454	—	—	—
19	771	242	376	624	291	503	896	378	595	—	—	—
20	1770	771	1310	568	291	421	988	466	727	—	—	—
21	2000	621	1510	499	375	448	1050	729	877	—	—	—
22	913	544	757	462	331	395	923	677	774	—	—	—
23	2790	639	1360	494	333	422	864	603	738	—	—	—
24	1420	974	1150	437	335	395	646	433	569	—	—	—
25	1200	698	1060	425	293	370	549	374	471	—	—	—
26	1120	684	929	463	293	380	563	422	481	—	—	—
27	1310	825	1110	459	149	387	557	364	467	—	—	—
28	1090	799	933	260	149	215	508	358	436	—	—	—
29	—	—	—	480	164	322	494	347	420	—	—	—
30	—	—	—	539	254	401	534	354	415	—	—	—
31	—	—	—	954	339	691	—	—	—	—	—	—
MONTH	2790	214	731	1750	149	641	1050	106	426	—	—	—

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

OUTSIDE SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

			JUNE			JULY			AUGUST			SEPTEMBER		
1	—	—	—	1300	883	1100	301	293	297	474	244	291		
2	—	—	—	1840	970	1250	310	301	305	314	239	251		
3	—	—	—	2060	1120	1520	5270	310	1690	538	234	316		
4	534	214	348	1410	859	1080	2330	321	617	426	229	254		
5	436	181	341	1110	760	901	433	326	344	1160	225	313		
6	580	213	343	884	584	762	343	335	339	2720	1160	1900		
7	555	272	442	699	258	552	352	343	347	3250	1860	2430		
8	628	395	510	598	280	396	360	352	356	3430	2500	3020		
9	748	466	591	459	210	322	511	360	382	4920	2050	3200		
10	828	504	676	438	206	305	689	368	433	9250	2490	5410		
11	1050	667	812	421	157	292	529	377	396	5140	2480	3500		
12	1000	616	811	608	213	450	385	393	389	4830	2250	3410		
13	1220	761	971	745	384	542	1130	393	658	11900	1790	6670		
14	1290	889	1040	902	624	739	1730	538	1080	21500	6700	14500		
15	1210	708	922	865	588	733	—	—	—	23400	15700	19200		
16	1510	753	1180	870	569	696	—	—	—	24300	21000	23100		
17	1310	935	1120	791	558	661	—	—	—	21700	10300	13300		
18	1480	880	1240	797	512	644	—	—	—	10800	9100	9950		
19	1340	995	1220	688	455	564	—	—	—	10400	4660	8220		
20	1200	346	863	755	442	613	453	302	322	8820	2890	6610		
21	884	733	806	539	293	440	405	298	318	7510	2400	4670		
22	914	712	805	559	217	401	522	294	400	12600	3730	8370		
23	1130	506	792	630	243	404	607	317	438	12900	6030	9780		
24	1060	449	761	486	282	371	707	283	462	10000	5690	7660		
25	1370	669	1060	462	236	341	764	282	498	7540	6110	6710		
26	1480	985	1240	424	276	346	1230	276	599	6170	2900	4470		
27	1490	1170	1350	358	253	285	3010	788	1730	4440	2630	3490		
28	1400	1190	1300	750	260	450	3630	1270	2080	4920	2020	3680		
29	—	—	—	480	270	332	1780	943	1240	3910	1940	2840		
30	1300	954	1120	491	276	312	1210	786	1010	14900	2040	8510		
31	—	—	—	293	285	289	1010	251	517	—	—	—		
MONTH	1510	181	872	2060	157	584	—	—	—	24300	225	6200		

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR JUNE 1993 TO SEPTEMBER 1993

[illegible]

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA—Continued

INSIDE SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	769	566	660	---	---	---	3170	3010	3070
2	---	---	---	713	479	590	3440	1980	2830	3360	2680	3030
3	---	---	---	735	450	553	10900	2090	6570	2760	2410	2610
4	---	---	---	682	479	561	4900	2310	3820	3030	2250	2540
5	---	---	---	666	513	579	4600	3740	4280	2940	2250	2640
6	---	---	---	616	450	533	3920	3250	3570	2880	2380	2560
7	---	---	---	619	438	509	3710	3010	3260	2660	2040	2350
8	---	---	---	588	479	522	3410	2660	3040	2300	1850	2070
9	---	---	---	557	472	516	3270	2290	2820	2410	1830	2010
10	---	---	---	638	454	551	2730	1790	2320	2210	1860	2010
11	---	---	---	2200	513	730	2560	1410	2180	2250	1850	1960
12	---	---	---	8330	1140	3270	5540	2250	4140	1940	1670	1840
13	---	---	---	16800	8330	13900	5260	3680	4190	1760	1610	1700
14	---	---	---	19900	14600	17900	4330	3680	4000	1910	1650	1750
15	---	---	---	19800	12200	17800	4220	3890	4030	1820	1620	1700
16	---	---	---	12200	1840	6530	4920	4070	4480	2160	1680	1830
17	---	---	---	---	---	---	5020	4430	4720	24500	2160	17900
18	---	---	---	---	---	---	5160	4690	4830	5250	1780	1960
19	---	---	---	---	---	---	4730	4500	4580	1830	1700	1770
20	---	---	---	---	---	---	4800	4130	4580	1840	1700	1760
21	---	---	---	---	---	---	4220	3840	4010	1880	1690	1790
22	---	---	---	---	---	---	4130	3820	4000	1870	1670	1750
23	---	---	---	---	---	---	4000	3620	3820	1910	1660	1770
24	---	---	---	---	---	---	3810	3520	3640	1870	1650	1760
25	---	---	---	---	---	---	3910	3360	3620	1970	1730	1830
26	---	---	---	---	---	---	4180	3510	3780	2160	1270	1970
27	---	---	---	---	---	---	4180	3570	3830	1500	969	1120
28	1770	1440	1550	---	---	---	4050	3530	3740	6730	1080	3580
29	1550	1030	1290	---	---	---	3530	2960	3230	2130	1290	1510
30	1080	572	755	---	---	---	3330	2900	3100	1670	1320	1520
31	769	550	633	---	---	---	3350	2820	3090	1820	1570	1700
MONTH	---	---	---	---	---	---	10900	1410	3800	24500	969	2560

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1740	1640	1690	1180	444	759	1360	560	1020	815	790	802
2	1820	1640	1730	1120	594	831	1340	266	718	841	815	830
3	1840	1630	1720	1180	650	1000	829	275	460	866	841	854
4	1920	857	1610	1480	1050	1280	1300	247	715	887	712	814
5	2080	857	1520	1570	1190	1390	513	297	393	1710	703	1230
6	1830	835	1290	1510	241	1100	325	188	234	1650	1130	1490
7	1710	644	1190	---	---	---	363	188	247	1620	1290	1430
8	1080	700	852	---	---	---	388	188	273	1510	1070	1320
9	1140	188	695	---	---	---	379	188	279	1800	1200	1490
10	188	188	188	1240	188	817	407	204	294	1820	1210	1470
11	1010	188	675	1290	991	1170	377	219	301	1700	641	1150
12	941	557	738	1370	938	1230	---	---	---	1330	471	870
13	969	707	869	1400	1140	1250	---	---	---	1400	440	796
14	1360	957	1160	1500	938	1220	---	---	---	567	410	466
15	1500	1250	1340	1250	641	1010	---	---	---	643	380	451
16	1550	1320	1430	1450	897	1230	---	---	---	481	350	384
17	1590	585	1250	1550	563	1110	---	---	---	---	---	---
18	1260	522	896	---	---	---	641	460	493	---	---	---
19	869	500	595	---	---	---	877	483	589	---	---	---
20	1900	869	1340	---	---	---	898	508	744	---	---	---
21	1730	882	1530	---	---	---	1110	618	862	1880	1340	1620
22	1180	850	977	410	188	301	1180	689	929	1840	1220	1460
23	1410	822	1110	472	260	358	1280	972	1100	2050	1420	1730
24	1280	816	1030	407	260	337	1050	616	693	1890	875	1480
25	1430	841	1220	497	332	410	662	636	649	1700	581	1090
26	1420	772	1120	532	366	446	687	662	675	1270	519	806
27	1450	1120	1270	550	366	455	712	687	701	795	458	583
28	1270	629	928	369	210	279	---	---	---	639	354	467
29	---	---	---	1090	197	567	764	738	751	613	320	423
30	---	---	---	1170	369	786	790	764	777	601	328	436
31	---	---	---	1340	660	1040	---	---	---	1200	275	590
MONTH	2080	188	1140	---	---	---	---	---	---	2050	275	976

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.9	24.6	25.5	15.0	13.5	14.2	15.4	14.3	14.7	11.0	9.9	10.3
2	27.3	25.1	26.0	14.6	13.1	14.0	16.1	14.3	15.2	14.3	11.0	12.2
3	28.7	25.5	26.7	16.9	13.9	15.3	17.7	14.6	16.0	12.4	11.0	11.6
4	28.2	26.0	26.8	18.1	15.4	17.0	18.5	16.5	17.7	12.8	10.2	10.9
5	27.3	26.0	26.4	19.7	18.1	18.8	17.3	15.8	16.6	12.1	9.5	10.6
6	26.4	25.5	26.0	19.3	16.5	18.0	16.5	15.8	16.0	12.1	10.2	11.2
7	26.4	25.5	25.9	16.5	15.0	15.6	15.8	14.6	15.2	13.1	11.7	12.3
8	26.9	25.1	25.9	15.0	14.3	14.6	16.5	15.0	15.5	11.7	10.2	10.7
9	27.8	25.5	26.3	14.6	13.5	13.9	17.7	15.0	15.8	10.2	9.2	9.8
10	26.9	24.6	25.6	14.6	13.9	14.1	16.5	14.6	15.9	10.6	9.2	9.9
11	25.1	23.3	24.3	16.9	14.3	15.3	15.4	14.6	15.0	11.3	10.2	10.7
12	24.2	23.3	23.8	18.1	14.6	16.0	14.6	13.9	14.3	11.3	10.6	11.1
13	23.8	23.3	23.4	20.1	15.8	18.0	15.0	13.5	14.3	11.3	10.2	11.0
14	23.3	22.9	23.2	22.5	18.5	20.5	14.3	13.1	13.6	13.9	9.5	11.2
15	23.8	22.5	22.9	22.5	20.9	21.5	14.3	12.1	13.1	11.7	11.0	11.2
16	26.4	22.9	23.9	21.7	19.3	20.8	13.9	12.1	12.6	11.3	10.2	10.8
17	27.3	22.9	24.4	20.9	20.1	20.5	12.8	12.1	12.4	13.1	11.0	11.8
18	25.1	23.3	24.2	20.9	18.9	19.8	13.5	12.4	12.8	11.0	8.8	9.5
19	25.1	23.8	24.0	21.3	18.9	19.9	13.1	12.8	12.9	8.8	7.4	7.9
20	27.3	24.2	25.8	19.7	16.9	18.5	15.0	12.8	13.8	10.2	7.4	8.8
21	26.4	24.2	25.1	17.3	15.8	16.7	14.6	13.1	13.7	10.2	8.8	9.4
22	24.2	21.7	23.0	16.5	15.0	15.8	13.5	12.1	12.8	11.0	9.2	9.8
23	21.7	20.9	21.2	16.5	15.0	15.8	12.1	11.3	11.6	12.1	9.5	10.7
24	21.7	20.9	21.3	19.3	15.8	17.1	11.3	9.2	10.5	12.4	11.0	11.6
25	21.7	21.3	21.4	17.3	16.5	16.9	11.0	8.5	9.6	15.0	11.7	13.1
26	21.7	20.9	21.2	16.5	15.8	16.3	11.3	8.8	9.9	16.1	12.8	14.0
27	22.5	20.9	21.4	15.8	13.5	14.9	12.4	9.2	10.9	17.3	13.9	16.0
28	23.3	13.9	17.8	15.8	12.8	14.0	13.9	11.7	12.9	16.5	15.0	15.5
29	21.7	18.5	21.1	16.5	13.5	14.8	13.5	11.7	12.4	15.0	12.4	13.6
30	21.7	16.9	19.6	15.0	13.9	14.4	11.7	10.2	10.9	12.8	9.9	11.3
31	16.9	14.3	15.2	---	---	---	10.2	9.2	9.8	11.0	8.5	9.9
MONTH	28.7	13.9	23.5	22.5	12.8	16.8	18.5	8.5	13.5	17.3	7.4	11.2
	FEBRUARY			MARCH			APRIL			MAY		
1	9.9	9.5	9.7	16.1	14.6	15.4	20.1	16.1	17.9	25.1	24.2	24.6
2	12.1	8.5	10.0	15.4	13.5	14.6	21.7	17.3	19.0	24.2	23.3	23.8
3	10.6	9.2	9.9	16.9	12.8	14.2	20.9	18.5	19.7	24.6	23.3	23.9
4	12.8	9.9	11.2	17.7	13.1	15.4	23.3	18.5	20.0	24.2	22.9	23.3
5	15.0	12.4	13.8	18.5	15.0	16.4	22.5	18.5	20.5	24.2	22.5	23.3
6	18.1	14.6	16.1	16.5	15.0	15.6	21.3	18.5	19.9	26.9	22.5	24.0
7	16.9	13.9	15.9	19.3	15.0	16.7	19.3	17.3	18.3	26.9	23.8	25.3
8	19.3	16.9	18.1	20.1	15.8	17.6	20.1	17.3	18.5	28.2	25.1	26.5
9	20.9	18.1	19.5	18.9	15.8	17.8	20.9	18.1	19.5	29.2	26.0	27.6
10	20.5	17.7	19.5	15.8	13.5	14.4	23.8	20.1	21.5	27.8	26.0	26.6
11	18.9	16.5	17.4	14.6	12.8	13.5	22.1	20.9	21.6	29.2	26.0	27.1
12	16.5	15.8	16.2	15.8	12.8	14.1	23.8	21.3	22.3	30.1	26.4	27.5
13	15.8	14.3	15.2	17.7	14.6	15.7	21.7	20.9	21.2	28.2	26.9	27.6
14	14.3	12.8	13.4	20.9	15.0	17.6	23.8	20.9	22.3	28.7	26.4	27.6
15	13.5	12.4	13.0	18.1	16.9	17.6	25.1	22.9	23.9	28.7	26.4	27.3
16	13.9	12.8	13.2	17.3	16.5	16.7	23.8	22.5	22.8	28.7	26.0	27.3
17	14.3	13.1	13.6	18.1	15.8	16.7	22.5	21.3	21.7	---	---	---
18	14.6	13.1	13.7	20.5	16.1	18.3	22.5	20.5	21.4	---	---	---
19	15.0	13.9	14.4	23.8	18.1	20.4	22.9	20.9	21.9	---	---	---
20	16.9	14.3	15.0	24.2	18.1	21.1	23.3	21.3	22.4	---	---	---
21	16.9	14.6	15.3	22.5	20.9	21.6	23.3	21.7	22.5	27.3	24.6	25.5
22	17.7	14.3	16.3	21.7	19.3	20.5	25.1	22.5	23.5	27.8	25.1	26.0
23	17.7	16.1	17.0	22.9	19.3	21.1	25.5	23.3	24.2	30.1	25.1	26.3
24	16.1	13.9	14.9	22.9	20.5	22.0	24.2	22.9	23.6	30.1	25.5	26.7
25	16.5	14.3	15.2	22.9	21.7	22.3	26.0	23.3	24.6	29.7	25.5	27.4
26	15.4	14.6	15.0	22.9	20.9	22.1	26.4	24.6	25.3	28.7	26.4	27.5
27	15.0	13.5	14.3	22.9	21.3	22.3	25.5	24.6	24.9	28.7	26.9	27.5
28	15.0	13.5	14.2	22.1	19.3	20.8	25.1	24.2	24.7	27.3	26.4	26.6
29	---	---	---	19.3	17.7	18.3	25.5	24.2	24.9	27.8	26.0	26.4
30	---	---	---	19.3	16.9	17.9	26.9	24.6	25.3	26.4	25.5	25.7
31	---	---	---	19.3	16.1	17.7	---	---	---	26.0	25.1	25.5
MONTH	20.9	8.5	14.7	24.2	12.8	17.9	26.9	16.1	22.0	30.1	22.5	26.1

[illegible]

MISSISSIPPI RIVER DELTA
07381329 MILL CREEK NEAR DULAC, LA--Continued
INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.2	22.9	23.4	13.9	12.4	13.2	—	—	—	9.2	8.5	8.8
2	25.1	24.2	24.5	13.9	12.1	13.1	13.9	12.4	13.2	10.6	9.2	9.8
3	24.6	24.2	24.4	15.4	13.5	14.3	17.3	13.9	15.5	11.0	9.9	10.6
4	25.1	24.2	24.6	18.5	15.4	16.6	17.7	16.9	17.6	9.9	9.2	9.4
5	25.5	25.1	25.3	18.9	17.7	18.2	17.7	15.0	15.8	9.5	8.1	8.5
6	25.5	25.1	25.4	18.5	15.8	16.7	15.0	13.9	14.3	9.5	8.5	8.8
7	25.5	25.1	25.3	15.8	13.1	14.0	13.9	12.8	13.4	11.3	9.5	10.4
8	26.0	25.1	25.6	13.9	12.8	13.2	14.3	13.5	13.7	11.0	8.5	9.2
9	26.4	25.5	25.9	13.1	12.8	13.0	14.6	13.5	14.1	8.5	7.8	8.2
10	26.0	23.3	25.2	13.9	12.4	13.2	15.8	14.6	15.0	8.8	8.1	8.5
11	23.3	22.1	22.6	15.0	13.1	14.2	15.8	14.6	15.0	10.2	8.8	9.8
12	22.9	22.1	22.5	16.5	14.3	15.3	14.6	12.8	13.4	11.0	10.2	10.7
13	23.3	22.5	23.1	20.5	15.4	17.8	15.0	13.1	14.1	11.0	10.6	10.9
14	23.3	22.9	23.3	21.7	18.5	20.1	13.9	12.8	13.4	10.6	9.5	10.0
15	23.3	22.9	23.0	23.3	20.5	21.6	13.1	11.7	12.0	10.6	10.2	10.3
16	23.8	22.9	23.1	21.3	20.1	20.7	11.7	10.6	11.1	10.2	9.5	9.8
17	24.2	23.3	23.6	—	—	—	11.3	10.6	10.9	12.4	10.2	11.6
18	24.2	23.3	23.8	—	—	—	11.7	11.3	11.4	12.1	8.1	9.3
19	24.6	23.8	24.0	—	—	—	12.1	11.7	12.0	8.1	6.7	7.2
20	25.5	24.2	25.2	—	—	—	13.1	12.1	12.5	7.8	6.7	7.2
21	26.0	24.2	25.0	—	—	—	13.5	11.7	12.5	8.8	7.8	8.4
22	24.2	21.3	22.6	—	—	—	12.1	11.3	11.6	8.8	8.1	8.5
23	21.3	20.5	20.8	—	—	—	11.3	10.2	10.5	8.8	8.5	8.7
24	20.9	20.5	20.5	—	—	—	10.2	9.2	9.8	9.5	8.8	9.4
25	20.9	20.5	20.8	—	—	—	9.2	8.5	8.7	11.3	9.5	10.6
26	21.3	20.9	20.9	—	—	—	8.8	7.8	8.5	14.3	11.3	12.5
27	24.6	15.0	20.3	—	—	—	9.5	8.5	8.7	16.9	14.3	15.3
28	23.3	13.9	17.1	—	—	—	11.0	9.5	10.2	16.5	14.3	15.3
29	22.9	18.5	21.1	—	—	—	11.7	11.0	11.5	14.3	11.0	12.4
30	20.5	15.4	17.9	—	—	—	11.3	9.5	10.0	11.0	8.8	9.8
31	15.4	13.5	13.8	—	—	—	9.5	8.1	8.6	9.2	7.4	8.3
MONTH	26.4	13.5	22.7	—	—	—	17.7	7.8	12.3	16.9	6.7	9.9
	FEBRUARY			MARCH			APRIL			MAY		
1	8.5	7.4	7.7	16.1	13.5	15.2	19.3	13.9	16.6	25.1	24.2	24.6
2	8.1	6.4	7.2	15.4	12.8	14.4	19.7	15.4	18.0	24.2	23.3	23.7
3	8.5	6.7	7.6	12.8	11.0	11.7	20.5	18.1	19.3	24.2	23.3	23.8
4	12.4	8.5	9.4	13.5	11.7	12.6	19.7	15.4	17.9	23.8	20.9	22.1
5	15.0	11.0	12.7	14.6	13.1	13.8	22.5	18.5	20.3	22.9	20.9	21.5
6	16.1	13.9	14.6	16.1	14.3	15.0	21.3	18.1	19.8	22.5	20.9	21.6
7	16.5	13.9	14.9	19.3	15.0	16.6	18.9	16.9	17.8	22.9	21.7	22.3
8	18.9	15.8	17.2	19.3	16.1	17.5	18.9	17.3	18.0	24.6	22.9	23.6
9	20.1	17.7	18.8	18.9	15.4	17.8	20.5	18.5	19.3	24.6	23.3	23.9
10	20.5	18.1	19.5	15.4	11.7	13.3	22.5	20.1	21.1	25.1	23.3	24.3
11	18.1	14.3	16.0	14.3	11.7	13.1	22.1	21.3	21.6	26.4	23.8	25.1
12	15.0	13.5	14.2	15.8	13.1	14.3	23.3	21.7	22.3	27.3	25.1	26.1
13	14.6	12.4	14.1	16.1	13.5	14.2	21.7	20.9	21.1	27.3	25.1	26.4
14	12.4	9.9	11.0	17.7	14.3	15.4	23.8	20.5	22.1	28.2	26.4	27.2
15	12.8	10.2	11.1	17.7	15.4	16.4	25.1	22.9	23.8	27.8	26.4	26.9
16	12.8	12.1	12.3	16.5	15.8	16.1	23.8	22.1	22.8	27.8	26.4	27.0
17	14.3	12.1	12.9	17.7	14.3	16.2	22.1	19.7	21.0	—	—	—
18	14.6	12.8	13.7	20.5	16.1	18.2	22.1	19.3	20.6	—	—	—
19	15.4	13.9	14.4	20.5	18.1	19.1	22.1	19.3	20.8	—	—	—
20	17.7	14.3	15.3	23.3	17.7	20.2	22.1	20.1	20.6	—	—	—
21	16.9	15.0	15.5	22.5	19.7	21.3	21.7	20.5	21.2	24.2	23.3	23.7
22	17.7	15.0	16.3	21.7	19.7	20.5	22.5	21.7	21.8	24.6	23.3	24.0
23	18.1	15.8	17.0	22.9	19.3	20.8	22.5	22.1	22.1	23.8	22.5	23.2
24	15.8	13.1	14.0	22.9	20.5	21.8	23.8	22.1	23.1	26.0	22.5	24.0
25	15.4	13.5	14.3	22.5	21.7	22.1	25.5	23.3	24.3	28.7	23.3	26.0
26	15.4	13.1	14.3	22.9	21.3	22.0	26.4	24.6	25.2	28.7	25.1	27.0
27	13.1	11.7	12.3	23.3	21.3	22.3	25.1	24.6	24.9	28.2	26.9	27.4
28	14.6	12.1	13.0	22.1	17.7	20.4	25.1	24.2	24.7	26.9	26.4	26.6
29	—	—	—	18.5	15.0	16.9	25.1	24.2	24.8	26.4	25.5	26.1
30	—	—	—	17.7	14.6	16.3	26.0	24.6	25.0	26.0	25.5	25.6
31	—	—	—	18.1	15.0	16.2	—	—	—	25.5	24.6	25.1
MONTH	20.5	6.4	13.6	23.3	11.0	17.2	26.4	13.9	21.4	28.7	20.9	24.8

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA—Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.1	24.6	24.7	29.2	27.8	28.3	28.2	25.5	26.9	31.1	27.3	29.0
2	25.1	23.8	24.3	30.1	27.8	29.7	27.3	25.5	26.6	28.2	26.4	27.4
3	28.2	24.2	25.4	30.6	29.2	30.0	28.7	26.0	27.4	27.8	26.0	27.0
4	29.7	23.8	26.8	33.2	29.2	31.2	30.6	26.9	28.6	30.6	26.0	28.3
5	29.2	25.5	27.7	32.6	30.1	31.1	30.1	27.3	28.9	30.6	26.9	28.8
6	31.1	26.9	28.3	33.2	29.2	31.0	30.1	26.9	28.6	31.1	28.7	29.9
7	31.1	26.9	28.9	31.6	29.2	30.7	31.1	26.9	29.1	32.6	29.2	30.3
8	31.1	27.3	29.2	31.6	29.7	30.4	30.6	26.9	28.8	31.6	29.7	30.2
9	31.6	27.3	29.3	29.7	27.8	28.9	29.7	26.4	27.9	31.1	30.1	30.2
10	31.6	27.3	28.7	29.7	26.9	28.4	29.2	26.0	26.8	30.1	28.7	29.6
11	30.1	26.4	27.8	28.2	26.4	27.5	29.2	25.5	26.9	29.2	27.3	28.6
12	30.1	26.4	28.1	26.9	25.1	25.8	29.2	27.3	28.5	29.2	27.3	28.2
13	31.6	26.4	27.7	26.0	25.1	25.4	28.7	27.8	28.4	29.2	27.3	28.6
14	32.1	26.4	28.5	27.8	26.0	26.6	29.7	28.2	28.8	28.7	27.8	28.2
15	31.6	26.9	28.9	28.2	27.8	27.9	—	—	—	27.8	26.9	27.3
16	28.2	26.9	27.2	28.7	27.8	28.2	—	—	—	27.8	26.4	27.2
17	27.8	26.9	27.2	28.7	28.2	28.5	—	—	—	27.8	26.9	27.1
18	27.3	26.0	26.5	28.7	28.2	28.4	—	—	—	27.8	27.3	27.7
19	28.2	26.0	27.0	28.7	28.2	28.4	—	—	—	28.2	26.9	27.5
20	29.7	26.0	28.0	30.1	27.8	28.4	31.1	26.4	28.7	26.9	26.0	26.5
21	31.6	26.4	29.2	30.6	27.3	28.6	29.2	26.4	27.4	27.8	25.1	26.3
22	30.6	27.3	29.1	29.2	27.3	28.1	26.9	26.0	26.4	28.7	26.9	27.3
23	28.2	26.9	27.8	27.8	26.9	27.2	26.9	26.0	26.2	27.8	24.6	26.3
24	27.8	25.5	26.5	28.7	26.4	27.3	27.3	26.0	26.6	26.0	24.2	25.1
25	30.6	25.1	26.6	28.7	26.9	27.8	28.2	26.4	26.9	26.4	22.9	24.3
26	29.7	25.5	27.1	28.7	27.8	28.2	28.7	26.9	27.9	24.6	22.5	23.4
27	27.8	26.0	26.7	28.2	26.4	27.5	28.7	26.9	27.9	25.5	23.3	24.7
28	27.8	26.4	27.0	27.3	25.5	26.4	29.2	26.9	28.7	25.1	23.3	24.2
29	—	—	—	26.9	25.5	26.3	30.6	27.8	29.2	25.5	23.3	25.1
30	29.2	26.9	27.8	28.2	26.0	27.0	30.6	27.8	29.4	26.9	25.1	26.3
31	—	—	—	29.2	26.0	27.7	30.6	27.8	29.0	—	—	—
MONTH	32.1	23.8	27.5	33.2	25.1	28.3	31.1	25.5	27.9	32.6	22.5	27.4

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-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1994 to current year.

GAGE.—Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. 20.00 ft gage datum.

REMARKS.—Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 10.15 ft, Sept. 16, 1994; minimum gage height, 7.34 ft, Feb. 1, 1994.

EXTREMES FOR CURRENT PERIOD.—January to September 1994: Maximum gage height recorded during period, 10.15 ft, Sept. 16; minimum gage height recorded during period, 7.34 ft, Feb 1.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN
	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	8.55	7.84	8.16
27	8.95	8.16	8.48
28	9.04	8.17	8.50
29	8.28	7.83	8.00
30	8.05	7.73	7.90
31	7.93	7.51	7.73
MONTH	---	---	---

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA—Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.92	7.34	7.58	9.03	8.41	8.76	8.47	7.78	8.08	9.29	8.94	9.10
2	8.06	7.46	7.73	8.75	7.84	8.29	8.56	7.98	8.25	9.23	8.80	9.04
3	8.11	7.54	7.79	7.99	7.59	7.77	8.39	8.01	8.23	9.22	8.92	9.09
4	8.29	7.63	7.94	8.05	7.51	7.77	8.56	7.82	8.12	8.92	8.58	8.72
5	—	—	—	8.16	7.49	7.80	8.89	8.28	8.53	8.71	8.52	8.62
6	—	—	—	8.48	7.66	8.01	8.97	8.33	8.62	8.89	8.56	8.71
7	—	—	—	8.50	7.96	8.21	8.52	8.16	8.31	8.91	8.58	8.79
8	8.74	8.08	8.35	8.63	8.02	8.28	8.69	8.46	8.55	8.88	8.38	8.68
9	8.80	8.19	8.48	8.80	8.27	8.57	8.97	8.50	8.78	8.74	8.36	8.56
10	8.94	8.51	8.73	8.27	7.74	7.92	9.16	8.72	8.99	8.69	8.30	8.49
11	8.72	8.09	8.31	8.05	7.73	7.86	9.37	8.89	9.15	8.80	8.24	8.55
12	8.30	8.03	8.13	8.22	8.04	8.12	9.61	8.91	9.21	8.84	8.38	8.62
13	8.20	7.41	7.87	8.21	8.01	8.14	9.08	8.76	8.94	8.96	8.42	8.70
14	7.95	7.35	7.63	8.37	7.99	8.16	9.14	8.69	8.92	9.13	8.61	8.86
15	8.16	7.94	8.06	8.43	8.08	8.27	9.37	8.71	9.02	9.06	8.72	8.90
16	8.19	7.77	7.97	8.29	7.94	8.11	9.02	8.70	8.89	9.02	8.67	8.83
17	8.44	7.82	8.09	8.60	7.96	8.26	8.94	8.45	8.70	8.98	8.55	8.75
18	8.58	7.98	8.25	8.67	8.18	8.42	8.97	8.50	8.73	8.73	8.55	8.64
19	8.80	8.23	8.50	8.65	8.12	8.36	8.93	8.47	8.71	8.58	8.41	8.51
20	8.98	8.29	8.61	8.79	8.23	8.50	8.82	8.43	8.66	8.72	8.46	8.61
21	8.93	8.34	8.61	8.69	8.26	8.49	8.81	8.46	8.63	8.84	8.57	8.72
22	9.34	8.57	8.87	8.77	8.06	8.37	8.81	8.52	8.65	8.84	8.36	8.67
23	9.34	8.48	8.79	8.96	8.40	8.66	8.72	8.59	8.64	8.78	8.30	8.58
24	8.62	7.98	8.28	8.96	8.51	8.74	9.14	8.67	8.94	8.82	8.30	8.60
25	8.72	8.32	8.52	8.95	8.31	8.56	9.36	8.73	9.08	8.99	8.34	8.73
26	8.67	8.10	8.33	9.10	8.51	8.80	9.61	8.86	9.26	9.13	8.49	8.83
27	8.37	8.10	8.22	9.33	9.03	9.15	9.62	8.93	9.27	9.00	8.52	8.75
28	8.55	8.28	8.42	9.03	8.20	8.70	9.62	8.93	9.27	9.10	8.52	8.80
29	—	—	—	8.52	7.98	8.23	9.54	8.96	9.26	9.19	8.63	8.89
30	—	—	—	8.41	7.99	8.19	9.66	9.10	9.35	8.95	8.69	8.78
31	—	—	—	8.25	7.69	7.97	—	—	—	9.00	8.61	8.78
MONTH	9.34	7.34	8.24	9.33	7.49	8.30	9.66	7.78	8.79	9.29	8.24	8.74
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.99	8.67	8.85	8.47	8.25	8.35	8.71	8.26	8.48	9.05	8.55	8.83
2	8.87	8.62	8.74	8.75	8.37	8.58	9.01	8.27	8.70	8.84	8.37	8.66
3	8.89	8.63	8.77	8.89	8.45	8.67	9.24	8.65	8.95	8.70	8.28	8.51
4	9.01	8.66	8.85	8.99	8.48	8.77	9.15	8.65	8.88	8.82	8.28	8.60
5	9.32	8.71	9.10	9.07	8.46	8.81	9.02	8.58	8.82	8.93	8.53	8.76
6	9.32	8.85	9.11	8.93	8.44	8.69	9.04	8.57	8.82	8.99	8.73	8.88
7	9.34	8.83	9.13	9.08	8.45	8.82	8.96	8.59	8.78	9.04	8.71	8.91
8	9.33	8.76	9.07	9.27	8.68	8.98	—	—	—	9.17	8.71	8.96
9	9.11	8.65	8.89	9.37	8.63	8.98	9.10	8.87	8.92	9.31	8.80	9.07
10	8.99	8.56	8.80	9.31	8.74	8.99	8.92	8.71	8.84	9.53	8.87	9.15
11	9.02	8.47	8.73	9.35	8.76	9.05	8.99	8.72	8.86	9.47	8.80	9.10
12	9.02	8.51	8.79	9.22	8.86	9.05	9.13	8.72	8.92	9.39	8.79	9.07
13	8.93	8.61	8.80	9.18	8.98	9.08	9.19	8.75	8.97	9.50	8.98	9.21
14	8.93	8.62	8.80	9.09	8.78	8.95	9.26	8.65	8.96	9.68	9.05	9.38
15	8.99	8.72	8.86	8.97	8.58	8.78	9.24	8.74	8.99	9.81	9.11	9.54
16	8.76	8.48	8.62	8.91	8.48	8.71	9.26	8.68	8.98	10.15	9.41	9.83
17	8.72	8.40	8.56	8.80	8.35	8.60	9.32	8.68	9.01	9.51	8.94	9.29
18	8.58	8.36	8.47	8.72	8.19	8.50	9.19	8.67	8.95	8.97	8.68	8.84
19	8.73	8.33	8.55	8.73	8.19	8.52	9.12	8.64	8.88	8.83	8.57	8.68
20	8.90	8.34	8.63	8.87	8.31	8.62	9.20	8.61	8.94	8.92	8.52	8.70
21	8.91	8.36	8.65	8.92	8.33	8.63	9.00	8.63	8.86	9.02	8.65	8.85
22	8.94	8.35	8.65	8.85	8.36	8.59	8.89	8.60	8.76	9.29	8.78	9.03
23	9.30	8.50	8.89	8.75	8.29	8.51	8.78	8.58	8.69	9.18	8.57	8.87
24	9.22	8.64	8.89	8.77	8.25	8.50	8.75	8.49	8.63	9.16	8.65	8.89
25	8.96	8.54	8.77	8.58	8.28	8.44	8.79	8.42	8.64	9.05	8.36	8.68
26	8.85	8.46	8.67	8.55	8.34	8.46	9.06	8.66	8.83	8.85	8.40	8.63
27	8.70	8.50	8.60	8.54	8.25	8.41	9.07	8.59	8.83	8.97	8.44	8.70
28	8.54	8.40	8.48	8.33	8.15	8.22	9.18	8.69	8.92	8.86	8.36	8.61
29	8.44	8.21	8.33	8.49	8.22	8.35	9.15	8.66	8.90	8.92	8.52	8.69
30	8.36	8.19	8.27	8.57	8.22	8.39	9.12	8.65	8.90	9.06	8.71	8.92
31	—	—	—	8.71	8.26	8.51	9.10	8.61	8.88	—	—	—
MONTH	9.34	8.19	8.74	9.37	8.15	8.66	9.32	8.26	8.85	10.15	8.28	8.93

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 September 1994.

WATER TEMPERATURES: January 1994 to September 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 22,700 microsiemens, Feb. 22, 1994, but may have been higher during period of missing record; minimum daily, 1,560 microsiemens, on July 27, 1994.

WATER TEMPERATURES: Maximum daily, 33.4°C, Sept. 6, 1994; minimum daily, 8.0°C, Feb. 2, 1994

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN
JANUARY			
1	---	---	---
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18	---	---	---
19	---	---	---
20	---	---	---
21	---	---	---
22	---	---	---
23	---	---	---
24	---	---	---
25	---	---	---
26	16100	7500	10300
27	19600	10300	
12900			
28	19600	8030	12300
29	8030	6120	6850
30	7330	5730	6480
31	6360	5260	5730
MONTH	---	---	---

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

SPECIFIC CONDUCTANCE, AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8510	5000	5870	19000	11700	14600	12100	6260	8000	14400	5840	7220
2	9330	5360	6800	—	—	—	13400	7010	9380	8590	5540	6290
3	10600	5690	7400	—	—	—	11300	7070	8920	8820	6290	7810
4	12600	6120	8770	9530	7380	8130	12300	5970	7610	6490	5450	5930
5	—	—	—	10000	7830	8590	16600	9150	11700	6480	5230	5680
6	—	—	—	14100	7920	9820	16500	9110	11800	7350	5350	6070
7	—	—	—	13100	8650	10700	9110	7260	8050	9270	5580	6790
8	17000	7980	11700	12800	9160	10800	11100	8720	10000	6730	5420	5880
9	15900	7720	12600	12000	8370	10300	14800	8930	11500	7520	5730	6220
10	16600	13300	15300	8990	6670	7320	15100	8500	11600	7380	5510	6030
11	14900	6350	8380	7830	6410	7010	18500	10300	14600	9720	5440	6670
12	6720	6190	6390	8900	7000	7880	15600	10100	13900	9510	5840	7240
13	—	—	—	9300	7520	8340	10200	4240	5340	12300	5840	7740
14	—	—	—	9550	6240	7520	9130	4710	6030	14800	7280	9920
15	—	—	—	9380	7130	8120	14200	5030	8020	11900	7400	9640
16	—	—	—	7970	5920	6640	10600	5250	7060	10900	6190	8140
17	—	—	—	11600	6020	7930	8300	4530	5380	8710	5880	6550
18	—	—	—	13600	7990	10500	7930	4180	5230	6370	5580	5890
19	16200	11100	13400	11400	5830	8890	6880	4030	5170	6740	5560	5970
20	18000	10100	13700	13500	7030	10100	7130	4080	4860	7060	5440	6120
21	15900	8500	12800	13100	6630	9180	5490	3790	4430	8850	6480	7650
22	22700	14300	17400	11000	5620	7670	5580	4010	4590	8540	5640	7370
23	22700	10400	14300	14300	8610	11100	4900	3650	4170	7370	5200	6210
24	—	—	—	13400	9790	11300	10900	4090	7100	9160	4690	6550
25	—	—	—	12000	7040	9140	14600	8120	10200	14100	4540	8010
26	—	—	—	15500	7050	10600	16500	9380	11800	14500	4670	9370
27	—	—	—	16900	10000	13100	15500	10300	12100	13000	4290	8340
28	—	—	—	15800	8220	10500	17400	8950	12800	13300	4290	8330
29	—	—	—	10200	7340	8080	17100	8170	12600	13800	5320	9440
30	—	—	—	9340	6680	7490	17700	8630	13500	11300	5260	7220
31	—	—	—	9620	6230	7100	—	—	—	7260	4970	5590
MONTH	—	—	—	19000	5620	9260	18500	3650	8910	14800	4290	7160

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6380	4860	5610	4420	3380	3910	5100	3710	4210	8140	5360	6900
2	5860	4760	5190	6350	3620	5170	7540	3720	4960	6110	5480	5730
3	5950	4670	5280	7330	4900	6070	8640	5100	6360	6100	5430	5720
4	6940	4700	5570	8660	5020	6840	8030	5320	6170	7870	5870	6550
5	13400	4930	8680	8930	5700	7470	7440	4950	5950	11200	7340	8690
6	10100	5070	6710	7410	4250	5850	7410	4400	5530	10100	8350	9530
7	8350	4710	6440	9630	4170	6940	6290	4090	5200	11400	9050	10200
8	8790	4480	6170	9990	5450	7710	—	—	—	9830	7750	9020
9	7000	4260	5450	9870	4450	6820	7130	4500	5960	11600	8750	9780
10	5930	4110	4860	8540	4830	6800	6680	4230	5190	11900	8020	9980
11	6880	4200	4960	8860	4860	6820	6270	4280	5070	11500	7970	9690
12	7310	4270	5290	7390	4620	6100	7680	5390	6280	11600	7940	9510
13	5530	4260	4800	6450	3350	3830	8440	5220	6750	12100	7900	10300
14	6430	4280	4920	3670	2860	3230	9290	4330	7070	14100	10200	11700
15	6670	4490	5380	3820	3570	3680	8780	4210	6540	13700	10400	11700
16	5550	4330	4680	3870	3540	3690	8640	4360	6080	13700	10900	12300
17	4950	4370	4620	3860	3480	3700	7680	4170	5830	11300	9120	10000
18	4950	4470	4640	4350	3650	3790	6830	4170	5260	9840	8210	8760
19	5160	4430	4750	4430	3620	3920	5440	3800	4480	9380	7940	8400
20	7040	4450	5590	4950	3630	4080	7960	3770	5350	9610	8020	8650
21	9450	4570	6470	4770	3530	4010	6250	3980	4690	11900	8960	10100
22	9210	4540	6580	4440	3750	4040	4390	3790	4020	13700	9300	10700
23	8900	4930	6920	4520	3640	3940	4310	3830	4040	12800	11400	11700
24	6420	4150	4910	4340	3530	3840	4240	3660	3920	12000	11400	11700
25	4900	3610	4100	4230	3410	3750	4850	4020	4270	11700	11200	11400
26	5390	3700	4130	4170	3340	3860	8100	4750	6160	11200	10500	10900
27	4690	4060	4240	4310	1560	3510	9170	5410	7090	10600	10400	10400
28	4940	3980	4280	3510	3150	3300	10200	5840	7880	10400	9910	10100
29	4800	4170	4400	3900	3260	3600	9490	6420	7940	9910	9700	9790
30	4580	1840	3830	4020	3470	3710	8780	6170	7980	10100	9690	9850
31	—	—	—	5100	3640	4190	7960	6100	7390	—	—	—
MONTH	13400	1840	5310	9990	1560	4780	10200	3660	5790	14100	5360	9660

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN
JANUARY			
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23	---	---	---
24	---	---	---
25	---	---	---
26	17.8	16.3	16.9
27	19.0	17.6	18.5
28	19.6	16.7	18.4
29	16.7	13.1	14.7
30	13.1	10.8	11.8
31	11.4	9.6	10.5
MONTH	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	10.6	8.9	9.7	17.6	15.7	16.8	19.4	16.4	17.9	26.9	25.1	25.8
2	11.1	8.0	9.2	17.3	13.6	15.4	20.6	17.3	18.9	25.2	24.1	24.5
3	10.7	8.5	9.5	14.1	12.0	13.1	21.0	18.9	19.8	25.0	24.2	24.6
4	12.5	9.7	10.7	16.6	13.0	14.4	21.9	18.4	19.8	24.5	23.5	24.1
5	---	---	---	17.4	14.4	15.5	22.9	20.6	21.8	26.0	23.3	24.5
6	---	---	---	18.0	15.8	16.9	22.9	18.9	21.4	26.4	23.6	24.9
7	---	---	---	21.1	17.2	18.9	19.5	17.1	18.2	26.7	24.8	25.8
8	20.5	18.0	19.5	22.3	19.9	21.1	21.5	17.5	19.1	27.3	25.7	26.5
9	21.7	20.5	21.0	22.3	16.8	20.5	23.0	19.1	21.0	28.5	26.5	27.5
10	22.6	20.8	21.9	16.8	14.2	15.1	25.2	22.1	23.5	29.0	27.0	28.0
11	21.0	16.2	17.5	16.0	13.9	14.9	26.2	23.9	25.0	29.4	27.1	28.4
12	17.7	16.5	17.1	17.3	14.0	15.5	26.1	24.8	25.3	30.2	27.8	29.0
13	17.1	14.3	16.2	17.9	15.2	16.3	24.8	22.6	23.3	30.3	27.9	29.3
14	14.3	12.6	13.4	19.2	16.3	17.7	24.2	22.3	23.2	29.3	28.2	28.8
15	13.9	12.4	13.1	18.6	17.8	18.1	25.7	23.7	24.5	29.6	27.6	28.6
16	14.3	13.4	13.8	18.1	17.3	17.7	25.0	23.2	24.1	29.3	28.1	28.7
17	16.6	13.4	14.7	18.7	16.5	17.6	23.2	21.7	22.2	28.6	27.2	28.0
18	18.4	14.8	16.6	21.2	17.6	19.2	22.8	21.4	22.0	29.1	26.1	27.4
19	19.6	17.5	18.6	23.1	19.7	21.2	23.2	21.8	22.4	27.3	25.5	26.4
20	21.4	18.8	19.8	24.6	21.1	22.8	23.5	22.2	22.8	26.4	24.8	25.5
21	21.3	20.1	20.6	24.0	22.0	22.9	25.1	22.6	23.4	27.3	24.6	25.8
22	21.7	20.1	21.0	22.8	21.3	21.8	25.9	23.1	24.2	27.3	25.2	26.2
23	21.8	18.8	20.9	24.3	21.4	22.7	26.1	24.0	24.7	28.5	25.2	26.7
24	18.8	15.4	16.4	24.9	23.1	24.0	26.3	24.1	25.2	28.9	25.5	27.1
25	17.7	14.4	15.7	24.6	23.7	24.2	26.7	24.9	25.8	28.3	25.7	27.2
26	16.6	15.2	16.1	24.1	22.3	23.3	27.4	25.5	26.5	27.8	26.1	27.1
27	16.3	14.5	15.3	25.3	22.9	24.0	28.1	26.1	27.0	28.2	26.7	27.5
28	16.7	13.6	15.2	23.8	18.2	21.0	27.8	25.9	27.0	28.5	26.6	27.5
29	---	---	---	19.1	16.5	17.8	27.4	26.1	26.8	27.7	26.3	27.1
30	---	---	---	19.2	16.5	18.0	27.8	25.8	26.8	26.9	26.1	26.4
31	---	---	---	19.8	17.0	18.1	---	---	---	26.8	25.8	26.2
MONTH	22.6	8.0	16.1	25.3	12.0	18.9	28.1	16.4	23.1	30.3	23.3	26.8

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.4	25.2	26.3	32.0	30.1	30.9	28.1	27.4	27.7	31.5	29.7	30.4
2	29.3	26.4	27.6	31.4	29.8	30.7	27.5	25.3	26.2	32.0	29.6	30.6
3	29.4	27.7	28.5	31.3	29.8	30.6	27.7	25.0	26.2	30.9	28.6	29.9
4	30.4	28.1	29.0	31.7	30.1	31.0	29.8	27.2	28.4	30.6	29.0	29.9
5	29.6	28.5	29.0	31.4	30.4	30.8	31.4	28.6	29.6	30.5	28.2	29.4
6	30.6	28.2	29.1	31.6	29.6	30.6	30.9	28.4	29.6	33.4	28.0	29.9
7	30.9	29.0	29.7	31.2	29.9	30.7	33.0	29.6	30.5	32.1	29.2	30.1
8	31.0	29.0	30.0	30.8	29.0	29.7	---	---	---	31.4	29.7	30.5
9	31.1	29.0	30.1	30.2	28.8	29.5	30.6	29.0	29.9	31.6	29.8	30.6
10	31.2	29.2	30.1	29.4	28.5	28.9	30.1	28.8	29.3	30.5	28.9	29.8
11	30.1	29.0	29.7	28.6	27.8	28.1	30.1	27.9	29.0	29.8	28.1	28.8
12	30.3	28.6	29.4	29.3	27.6	28.3	29.9	28.8	29.3	29.0	27.1	28.3
13	31.1	28.2	29.5	28.7	27.3	27.8	30.3	28.6	29.4	28.8	27.3	28.1
14	31.4	28.9	30.0	28.8	27.3	27.9	30.7	29.0	29.8	28.3	26.9	27.6
15	31.4	29.3	30.1	29.5	27.9	28.6	30.4	29.5	29.9	27.8	26.3	26.9
16	32.7	29.4	30.6	30.7	28.7	29.6	30.3	28.8	29.5	28.2	26.4	27.1
17	31.7	29.6	30.5	31.2	29.7	30.5	30.0	28.7	29.4	29.2	27.5	28.2
18	30.3	28.3	29.3	33.1	29.9	30.9	30.3	28.8	29.4	30.0	27.9	28.6
19	29.3	28.1	28.9	31.3	30.1	30.6	31.0	29.2	30.1	29.4	26.8	27.8
20	29.4	28.0	28.7	30.5	29.3	29.9	31.0	29.7	30.3	29.3	26.4	27.4
21	30.3	28.5	29.5	31.3	29.1	30.0	30.3	28.5	29.5	27.9	27.0	27.5
22	30.3	28.7	29.5	30.4	29.6	30.0	30.5	27.9	28.8	28.6	26.4	27.3
23	29.8	27.0	28.1	29.9	28.7	29.4	29.8	28.7	29.0	27.3	26.1	26.7
24	27.4	26.7	27.0	31.0	28.7	29.8	31.1	28.7	29.6	27.3	24.9	26.1
25	29.3	26.7	27.6	31.4	29.8	30.5	30.6	29.1	29.7	26.7	25.2	26.0
26	29.7	28.1	28.9	31.0	29.8	30.5	30.0	28.4	29.1	25.9	24.8	25.3
27	30.0	28.4	29.2	30.5	28.0	29.2	29.9	28.2	29.0	26.8	24.6	25.7
28	30.8	28.6	29.7	29.5	27.1	28.2	30.6	28.2	29.4	27.5	25.2	26.4
29	30.2	29.3	29.7	30.3	27.6	28.5	31.2	29.2	30.0	27.8	25.9	26.7
30	31.4	29.5	30.3	30.5	28.0	29.1	30.4	29.6	30.0	26.9	25.9	26.4
31	---	---	---	29.3	28.0	28.6	30.6	29.4	30.0	---	---	---
MONTH	32.7	25.2	29.2	33.1	27.1	29.7	33.0	25.0	29.3	33.4	24.6	28.1

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA

LOCATION.--Lat. 29 15'08", Long. 90 55'18", T21 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.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDES.

GAGE.--Water stage recorder; Datum of gage is sea level determined by Global Positioning System.

REMARKS.--Elevation affected by wind and tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation of 3.42 ft, Oct. 3, 1993, but may have been higher during hurricane Andrew on Aug. 26, 1992. Minimum elevation of -1.76 ft, Jan. 8, 1994, but may have been lesser during period of missing record.

EXTREMES FOR CURRENT PERIOD.--Maximum elevation recorded, 2.92 ft, Sept. 16, minimum elevation recorded, -1.76 ft, Jan. 8.

ELEVATION (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.93	1.03	1.57	1.24	-.02	.78	2.15	.10	1.09	1.25	-.24	.63
2	1.93	.76	1.37	1.54	.08	.82	1.81	.29	1.12	1.22	-.05	.60
3	1.85	.47	1.24	1.86	.08	.94	1.83	.66	1.35	1.14	-1.05	-.01
4	1.96	.41	1.27	1.88	.59	1.25	1.76	.63	1.07	.27	-.72	-.28
5	2.08	.46	1.31	1.81	.52	1.27	1.21	.36	.73	.64	-.95	.05
6	2.17	.70	1.42	1.51	-.13	.53	1.06	.12	.63	.75	-.45	.27
7	2.13	.87	1.54	1.53	.38	.81	1.23	.19	.76	.91	-1.18	-.13
8	2.38	1.13	1.81	1.51	.66	1.00	1.35	.14	.78	.88	-1.76	-.37
9	2.41	.51	1.64	1.24	.41	.97	1.43	.18	.89	1.12	-.80	.20
10	1.64	.87	1.29	1.88	.61	1.11	1.72	.09	.96	1.05	-.52	.31
11	1.71	.84	1.37	2.06	.76	1.44	1.33	-.47	.57	1.29	-.42	.45
12	1.74	1.25	1.47	2.23	.80	1.62	2.01	-.17	.85	1.23	-.54	.38
13	2.08	1.49	1.76	2.44	.81	1.71	2.27	.59	1.52	1.11	-.19	.53
14	1.89	1.04	1.52	2.44	.87	1.77	1.75	-1.26	.15	---	---	---
15	2.14	.78	1.51	2.36	.57	1.34	1.32	-.46	.53	1.10	-.50	.28
16	2.25	.62	1.55	2.15	.74	1.54	1.37	-.22	.65	.67	-.54	.11
17	2.42	.86	1.73	2.31	.21	1.34	1.01	-.33	.47	1.81	.29	.86
18	2.56	.90	1.80	1.92	.34	1.20	1.06	-.03	.65	1.72	-.85	.72
19	2.59	.85	1.75	1.89	.52	1.26	1.19	.44	.72	.84	-.72	.24
20	2.61	1.09	1.87	1.55	.17	.57	1.29	-.41	.93	.88	-.18	.45
21	2.62	.90	1.65	1.15	.60	.86	.96	-1.06	.29	1.00	-.05	.49
22	1.29	.64	.90	1.22	.40	.76	1.21	.08	.71	.91	-.73	.14
23	1.63	1.02	1.24	1.18	.38	.81	1.10	-.15	.48	1.19	-.44	.43
24	1.78	1.30	1.56	1.30	.29	.77	1.31	-.26	.59	1.28	-.39	.51
25	1.85	1.43	1.63	1.85	.39	.97	.92	-.67	-.04	1.24	-.36	.52
26	1.91	1.27	1.58	2.05	.85	1.50	.67	-.75	.06	1.28	-.33	.60
27	1.69	.99	1.37	1.88	.41	1.17	1.15	-1.05	.11	1.52	-.38	.61
28	2.48	1.04	1.67	1.86	.07	1.11	1.00	-.68	.21	1.75	.01	.91
29	2.50	1.36	1.98	2.06	-.10	.98	.98	-1.28	-.05	1.72	-.88	.47
30	2.48	.47	1.60	2.15	-.23	1.01	.95	-1.26	-.14	.81	-.14	.44
31	2.14	-.44	.75	---	---	---	.97	-.35	.39	.90	-.04	.55
MONTH	2.62	-.44	1.51	2.44	-.23	1.11	2.27	-1.28	.61	1.81	-1.76	.37

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

ELEVATION (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.56	-.08	.29	1.38	.72	1.07	1.11	-1.12	.10	1.49	.20	.93
2	1.16	-.30	.44	1.74	.75	1.40	1.30	-1.08	.48	1.54	.30	.98
3	1.19	-.03	.54	1.25	-1.65	.16	1.31	-.05	.75	1.56	.68	1.05
4	1.10	-.32	.45	1.15	-1.49	.23	1.14	-.05	.58	.95	.11	.62
5	1.26	-.24	.63	1.00	-.61	.32	1.37	-.66	.58	1.05	.46	.71
6	1.49	-.26	.69	1.05	-.73	.35	1.69	.56	1.18	.99	.17	.68
7	1.39	-.14	.73	1.51	-.39	.74	1.74	.05	.82	1.11	-.01	.64
8	1.31	-.21	.65	1.36	.23	.91	1.09	.28	.74	1.10	-.49	.47
9	1.42	.11	.72	1.19	.19	.62	1.30	.55	.95	.77	-.48	.28
10	1.43	-.15	.57	1.62	-.38	.81	1.57	.86	1.24	.90	-.60	.18
11	1.50	.34	.98	1.05	-1.07	.05	1.65	.40	1.13	1.05	-.60	.36
12	1.15	-.88	.39	.93	.14	.55	1.45	.24	.96	.90	-.49	.30
13	1.09	.25	.70	1.18	.43	.75	1.43	.49	1.12	.91	-.45	.40
14	1.02	-1.06	-.05	.93	.36	.75	1.59	.35	1.05	1.05	-.10	.61
15	.88	-.53	.33	1.17	.41	.80	1.43	-.11	.95	1.22	-.08	.59
16	.98	.12	.67	1.11	.11	.81	1.64	-.40	.74	1.15	-.10	.56
17	1.10	.12	.63	.95	.08	.65	1.48	.13	.90	1.29	-.20	.65
18	1.38	.11	.80	1.31	.17	.86	1.48	.34	1.00	1.17	.16	.63
19	1.41	.22	.90	1.45	.19	.94	1.40	.28	.91	1.07	-.10	.56
20	1.55	.55	1.13	1.09	.03	.65	1.11	.31	.79	1.29	.46	.86
21	1.59	.38	1.03	1.20	.15	.78	1.20	.40	.75	1.15	.38	.89
22	1.52	.25	.93	1.13	.00	.69	.87	.11	.53	1.27	-.26	.71
23	1.78	.52	1.14	1.41	-.50	.60	.78	-.01	.51	1.13	-.50	.54
24	1.59	-.11	.87	1.25	-.58	.90	1.22	.05	.77	1.27	-.48	.62
25	1.67	-.58	.68	1.19	.34	.76	1.47	.18	.96	1.44	-.34	.74
26	1.67	.48	1.12	1.19	.12	.47	1.64	.11	1.06	1.62	-.36	.84
27	1.44	-.24	.68	1.30	.75	.99	1.72	.09	.97	1.24	-.38	.63
28	1.20	.51	.90	1.28	.31	.97	1.74	.11	1.05	1.47	-.23	.90
29	---	---	---	1.35	-.64	.48	1.61	.11	.99	1.79	.37	1.19
30	---	---	---	1.26	-.58	.41	1.62	.34	1.03	1.12	.33	.89
31	---	---	---	1.13	-.61	.46	---	---	---	1.69	.68	1.09
MONTH	1.78	-1.06	.70	1.74	-1.65	.68	1.74	-1.12	.85	1.79	-.60	.68

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.47	.23	.80	.98	.31	.67	1.55	.00	.88	1.88	.52	1.25
2	.71	.09	.45	1.39	.46	.97	2.19	.62	1.28	1.66	.37	1.09
3	.76	.11	.50	1.56	.43	1.04	1.86	.45	1.30	1.61	.24	1.03
4	.95	.05	.54	1.70	.52	1.22	1.67	.49	1.16	1.56	.67	1.22
5	1.29	.04	.77	1.82	.02	1.06	1.55	.24	1.04	1.72	.99	1.37
6	1.12	-.19	.58	1.54	.21	.94	1.64	.41	1.16	1.91	1.22	1.48
7	1.34	-.17	.70	1.88	.18	1.22	1.45	.45	1.07	1.79	1.00	1.44
8	1.42	-.23	.68	2.16	.30	1.28	1.58	.53	1.19	1.79	.91	1.45
9	1.25	-.59	.55	2.06	.38	1.32	1.71	.94	1.37	1.97	1.02	1.57
10	1.32	-.55	.45	1.85	.50	1.29	1.63	1.00	1.23	2.34	.86	1.68
11	1.28	-.54	.50	1.87	.55	1.41	1.74	.93	1.33	2.57	.80	1.70
12	1.24	-.28	.62	1.56	.74	1.26	1.73	.84	1.30	2.42	.63	1.56
13	1.13	-.12	.56	1.53	.76	1.22	1.89	.82	1.41	2.49	.80	1.69
14	1.10	-.13	.62	1.45	.81	1.13	1.93	.60	1.33	2.60	.85	1.82
15	1.19	.22	.72	1.49	.43	.93	1.95	.83	1.39	2.49	1.41	2.04
16	.80	-.03	.48	1.40	.26	.88	1.89	.31	1.26	2.92	1.38	2.24
17	.98	-.26	.43	1.35	-.02	.75	2.30	.59	1.45	2.18	.83	1.55
18	.80	.15	.50	1.30	-.19	.66	2.08	.40	1.36	1.48	.71	1.18
19	1.00	-.15	.57	1.49	-.16	.78	1.94	.38	1.28	1.59	.88	1.27
20	1.52	-.22	.79	1.59	-.25	.80	1.85	.59	1.43	1.77	.94	1.38
21	1.48	-.22	.79	1.59	-.12	.88	1.85	.69	1.31	2.00	.90	1.51
22	1.37	-.18	.73	1.53	-.29	.78	1.56	.65	1.22	2.34	1.09	1.72
23	1.73	-.44	.94	1.32	-.13	.74	1.62	.87	1.21	2.35	.62	1.48
24	1.60	-.37	.80	1.20	-.11	.69	1.55	.73	1.18	2.65	.74	1.68
25	1.27	-.27	.69	.94	-.05	.67	1.68	.64	1.21	2.15	.31	1.33
26	1.25	-.21	.79	1.07	.33	.79	1.93	.85	1.39	2.46	.36	1.47
27	1.09	.24	.72	1.21	.13	.64	2.04	.72	1.39	2.21	.37	1.33
28	1.03	.24	.69	.87	.48	.65	2.09	.77	1.47	2.09	.28	1.24
29	.88	.29	.60	1.09	.40	.77	1.94	.76	1.36	2.21	.62	1.42
30	.85	.13	.59	1.35	.24	.79	1.97	.65	1.33	2.30	.81	1.58
31	---	---	---	1.30	.10	.83	1.86	.61	1.29	---	---	---
MONTH	1.73	-.59	.64	2.16	-.29	.94	2.30	.00	1.28	2.92	.24	1.49

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 29,300 microsiemens, Nov. 1, 1992, but may have been higher during period of missing record; minimum daily, 1,010 microsiemens, June 18, 1994, but may have been lesser during period of missing record

WATER TEMPERATURES: Maximum daily, 32.5 °C, Sept. 8, 1994, but may have been higher during period of missing record; minimum daily, 6.3 °C, Jan. 20, 1994, but may have been lesser during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 29,290 microsiemens, Sept. 14; minimum daily, 1,010 microsiemens, June 18.

WATER TEMPERATURES: Maximum daily, 32.5 °C, Sept 8; minimum daily 6.3 °C, Jan. 20.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18500	14800	16500	11200	4490	7050	20600	12400	16600	13500	7260	9050
2	18500	14400	16400	8860	5830	6910	18600	14900	16800	16700	6760	12000
3	17400	10400	14300	7900	5900	6860	23200	18600	20900	18000	4430	8660
4	18100	11000	15100	15000	7830	11200	23300	15500	19900	4620	3620	4090
5	19100	11800	15900	13300	7770	10500	16800	11300	14000	10500	3410	5500
6	20500	14600	17400	10100	3720	5910	18500	10800	13800	11700	6000	8230
7	20700	17300	19000	9760	3700	4840	17000	10100	14400	10200	4770	7420
8	24500	19600	21600	11400	7910	9350	20000	9780	14900	11400	3170	4980
9	24100	16300	20300	9530	7770	8450	21400	11600	16600	11400	6710	8530
10	18500	14400	15800	17100	7280	10100	22400	11500	16700	10100	8130	9230
11	19400	13900	17300	20300	8800	13500	22500	9250	13800	13600	9330	10000
12	20200	17100	18200	25200	12800	18200	19000	10200	14800	16500	8880	11500
13	19600	17500	18200	27500	18000	22300	21500	17500	19900	14600	9000	11200
14	19900	16400	18100	28600	23400	26300	20500	9590	13300	---	---	---
15	20200	14200	17400	28400	22000	25400	17700	6520	10800	15400	6040	10000
16	20400	13200	17700	25400	21100	22400	18800	7640	12900	12000	6690	9040
17	20900	14200	18000	27400	16700	21500	14500	6690	10600	23700	8710	12700
18	21700	16800	19400	18400	13400	16500	13600	8390	11800	24000	12600	20500
19	21600	16800	19400	21700	13300	17700	15200	11900	13100	16200	10500	12900
20	20900	18100	19400	17100	11000	13100	19400	9880	15100	15400	9180	12100
21	19200	15100	17600	17200	11500	14700	15100	5970	9550	17500	12700	13900
22	15100	11600	12800	17100	12000	15100	13500	7740	10700	14600	9490	12600
23	15000	12000	13900	16700	11000	14600	13300	4160	7020	15900	10400	13100
24	19600	13800	17400	17500	11000	14800	11100	4920	7650	19300	10700	14100
25	15900	14900	15400	18600	9930	14000	9250	3890	5310	18300	11700	15000
26	15400	13600	14600	18700	10000	13500	10700	2740	5130	21300	13100	16600
27	13700	9180	11400	18200	7200	10700	10600	3420	6160	22500	14400	18200
28	18500	7500	11200	19000	8830	13700	10800	5140	7960	27100	21600	23400
29	18700	11700	15200	19400	9380	14400	10800	5030	6690	28100	18200	22300
30	15500	3650	7350	18900	11800	14600	6750	3420	5000	18900	14600	16600
31	6790	2780	3290	---	---	---	9670	6750	8110	18300	13100	15000
MONTH	24500	2780	16000	28600	3700	13900	23300	2740	12300	28100	3170	12300

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	19400	10700	13300	19900	16600	18600	10400	3430	6340	18600	10900	14400
2	19700	9120	13500	21200	15500	19300	14300	3350	8070	15500	8700	11900
3	19600	10500	15900	15500	5290	9130	13300	6790	9930	18800	9160	13500
4	18000	9390	13700	15100	4760	8430	12200	6100	8990	9810	6930	8010
5	18600	11000	15400	10600	4960	7910	11100	4200	7350	11400	6010	8540
6	22200	11600	16800	11000	4100	6980	14600	8970	11300	11100	4840	8710
7	21800	12300	17700	11000	5490	8170	15300	6630	10700	8700	4870	7290
8	21900	12800	16800	11000	8590	10000	10600	6220	7700	10700	3360	6800
9	21800	16700	19400	11100	7810	9980	13700	8350	11100	10300	3280	5960
10	22700	17500	20100	11900	7270	10600	14900	10800	13600	11800	3060	6230
11	24500	21100	22500	7390	3530	4510	19200	14200	16200	11100	2630	6390
12	22700	13800	16900	5690	3580	4270	23500	13200	19200	12200	3900	8020
13	17900	14100	15900	6960	4680	5970	24700	13900	18400	11500	3330	7760
14	15700	8810	12000	7300	3210	5030	17300	13000	15300	9040	6560	7540
15	17100	8340	13100	10000	3110	7910	20000	15000	17000	10100	5130	7480
16	21100	13200	16400	12800	3510	7970	18900	11900	15500	7810	3460	6100
17	19400	11700	15000	13100	2770	8690	16100	9000	12800	6150	2040	3600
18	22600	10300	16900	15500	4700	9690	17600	9850	13600	4300	1210	2660
19	21000	12300	17800	17400	7730	11800	16800	9010	13100	13400	1290	5340
20	23500	14600	19500	13800	5200	10000	15300	8080	11800	10700	2780	7010
21	25500	17800	21800	18900	8050	12500	13400	7470	11400	11600	3070	8010
22	25800	20200	22800	17300	7170	11800	12700	7080	10600	13700	1300	7400
23	26800	21600	23600	19200	3790	10000	13400	6220	10900	11400	1370	6640
24	26700	20000	23600	20000	11300	15500	16200	10200	14100	13000	1280	6870
25	21900	13200	17100	18100	14500	15900	18500	10100	15200	13800	2970	8680
26	22100	17100	19900	16500	8510	12400	20800	13800	17400	14500	4570	9450
27	22000	11800	16300	22100	13000	16100	25700	15700	19800	12900	3580	8300
28	16800	12700	14600	25200	18600	21200	26800	13900	19100	14400	4010	8590
29	---	---	---	20200	5730	13400	22800	15000	18100	10800	4760	7910
30	---	---	---	18100	4850	8770	23500	15300	18600	9110	2770	5210
31	---	---	---	12600	5100	8900	---	---	---	5380	1500	3530
MONTH	26800	8340	17400	25200	2770	10700	26800	3350	13400	18800	1210	7540
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5010	1190	2550	6210	1900	3740	18300	5710	10700	20400	10500	14500
2	3030	1020	1910	7470	3170	5250	17000	6780	13100	18900	7170	13500
3	4650	1110	2710	6860	2840	5110	17600	12900	15600	17500	7100	12500
4	6380	1150	4410	14600	3690	7890	18900	13400	16100	18100	8810	14900
5	11600	1870	6660	15100	3320	8850	18000	12400	15300	19300	13300	16600
6	9460	1140	4510	12900	3760	7210	16900	9920	13700	20200	14800	17300
7	12000	1310	5620	12800	4880	8910	17500	9560	14500	18400	15400	16800
8	11200	2370	5890	12800	6820	9630	20700	10200	15600	19500	15400	17900
9	9400	1880	4910	12100	5610	8270	19200	12300	15900	23100	16800	20100
10	7720	1260	3940	11100	6500	8810	16600	14200	15700	23400	15600	19100
11	7060	1470	3780	11800	5960	8730	16200	13800	15100	24800	14400	19500
12	6900	2120	4300	9080	5820	7570	18900	13700	16000	24000	16200	20000
13	6000	2820	4670	7690	6260	6990	19000	13800	16300	25700	17100	20800
14	6950	2480	5260	7280	5090	6310	22700	12800	17200	29200	16300	22600
15	9330	4220	7060	6890	2740	5040	25300	13500	18800	25900	17700	21600
16	7120	3840	6310	5770	2290	4410	23600	9980	17300	28000	16900	23800
17	6120	1680	4040	7860	2030	4810	23300	8660	15700	24400	15900	22000
18	3330	1010	2290	10300	1400	4920	22100	7920	14100	22400	15800	19100
19	12000	1260	5960	10300	1900	5670	21500	7830	13900	19500	13700	17400
20	15700	2010	8450	12400	3280	7430	20400	7690	14200	22200	15000	18700
21	15200	4150	11000	11100	4020	7510	14700	7410	12600	23100	18300	20800
22	17200	5620	10600	12300	3030	7880	15200	7600	11100	25200	20900	22900
23	14700	6420	10600	11800	2340	6340	10200	7210	8440	25800	17700	21600
24	13300	4410	8490	8550	2890	5540	9180	6420	7710	24900	20300	22600
25	10500	2940	6450	8470	2830	5030	10100	6870	8250	22900	16200	18900
26	12400	2850	7300	7850	3320	5520	15300	9080	12100	23200	16600	20100
27	8440	2900	5890	12000	1550	5810	15900	10600	13300	24000	17500	20900
28	5040	1770	2960	6410	1240	3600	18100	10800	14000	24900	18300	21400
29	6010	1080	2210	10500	4680	6700	19100	10700	14600	25000	21400	23000
30	8640	1310	2670	7370	3800	6190	21100	11000	15400	26000	22600	24200
31	---	---	---	13900	4530	9070	21100	10800	14700	---	---	---
MONTH	17200	1010	5450	15100	1240	6600	25300	5710	14100	29200	7100	19500

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.8	23.3	24.5	13.5	10.2	12.5	16.9	14.0	15.3	11.1	9.5	10.3
2	27.1	24.1	25.4	13.6	11.1	12.3	18.0	15.1	16.4	12.2	10.5	11.4
3	27.4	25.0	26.0	15.5	12.0	13.8	19.0	16.3	17.7	11.8	10.0	11.0
4	27.7	24.9	26.2	17.2	13.8	15.3	19.0	17.0	18.4	11.3	9.0	10.0
5	27.2	25.6	26.5	18.8	15.8	17.5	17.3	15.9	16.7	10.9	7.8	9.4
6	27.3	25.8	26.5	18.7	13.7	16.6	16.8	15.8	16.4	12.0	10.1	11.0
7	27.3	25.7	26.5	14.0	11.6	12.9	16.2	14.8	15.5	13.0	10.4	12.0
8	27.4	25.6	26.4	14.4	13.0	13.4	16.7	15.4	16.1	10.4	6.6	8.8
9	27.9	26.1	26.9	13.4	13.1	13.2	17.5	16.0	16.7	10.1	8.2	9.3
10	26.5	24.3	25.3	14.8	12.7	13.7	17.6	17.0	17.3	11.1	8.6	9.9
11	24.8	22.8	24.2	16.2	13.6	14.5	17.3	15.9	16.6	12.0	10.2	11.1
12	24.6	23.2	24.0	17.4	14.9	15.9	16.1	14.1	14.9	12.1	10.8	11.6
13	23.7	23.2	23.4	20.1	16.7	18.4	15.8	14.6	15.2	11.5	11.3	11.4
14	24.0	22.7	23.3	23.1	19.2	21.1	15.2	13.2	14.0	---	---	---
15	24.6	23.0	23.7	23.6	21.2	22.4	13.2	12.1	12.6	13.0	10.2	11.5
16	26.1	23.8	24.6	23.7	21.9	22.7	13.5	11.7	12.7	13.2	10.8	11.9
17	26.3	24.3	25.2	23.1	20.6	22.3	13.4	11.4	12.6	12.4	10.5	11.5
18	27.6	24.7	26.0	20.6	18.6	19.8	14.1	12.5	13.2	13.4	10.9	12.6
19	27.4	25.7	26.5	20.8	19.3	20.2	13.7	12.9	13.3	10.9	8.1	9.3
20	27.4	26.2	26.8	20.2	16.8	18.2	15.0	13.4	14.3	8.9	6.3	7.7
21	27.0	24.7	26.1	16.9	13.8	15.5	14.4	12.5	13.5	10.0	7.5	8.5
22	24.7	19.8	22.0	16.0	14.1	14.9	13.7	10.9	12.3	10.2	8.2	9.3
23	21.3	19.7	20.4	16.2	14.4	15.1	11.2	10.0	10.7	10.7	8.7	9.7
24	21.8	20.6	21.2	17.9	15.5	16.5	10.5	8.7	9.4	12.1	9.5	10.5
25	22.4	20.9	21.6	18.6	16.5	17.4	9.9	7.4	8.7	13.7	10.6	11.9
26	23.3	21.3	22.1	17.5	15.4	16.7	10.6	7.8	9.1	15.3	11.7	13.3
27	22.8	20.9	21.6	15.4	12.8	13.9	12.4	9.4	10.6	17.4	13.0	15.2
28	22.0	20.0	21.0	14.3	11.7	13.1	14.1	10.9	12.3	18.3	15.8	17.1
29	21.7	21.1	21.4	14.6	12.5	13.5	13.4	11.2	12.6	17.9	15.4	16.9
30	21.5	13.5	17.6	16.3	13.1	14.5	11.6	9.7	10.7	15.4	12.1	13.7
31	13.5	10.5	12.0	---	---	---	10.5	8.8	9.9	12.1	10.5	11.3
MONTH	27.9	10.5	23.7	23.7	10.2	16.3	19.0	7.4	13.7	18.3	6.3	11.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.8	9.0	10.4	16.1	14.0	15.2	18.1	15.1	16.8	26.7	25.2	25.8
2	10.0	8.5	9.3	17.1	15.8	16.3	18.2	15.3	16.9	25.2	23.8	24.5
3	10.3	7.7	9.1	16.6	12.6	15.0	19.3	16.8	17.9	25.0	24.3	24.6
4	10.0	8.3	9.2	15.0	11.1	12.8	20.8	18.1	19.3	24.4	22.8	23.6
5	11.1	9.7	10.3	15.1	12.8	13.9	21.0	17.7	19.4	25.3	22.5	23.5
6	13.4	11.0	12.2	15.7	14.0	14.9	21.7	19.9	20.8	26.6	22.2	24.3
7	15.5	12.9	14.3	16.8	15.4	16.0	21.4	17.8	20.2	26.6	24.4	25.4
8	16.5	14.3	15.6	19.0	16.0	17.5	20.0	16.2	17.9	27.3	25.4	26.3
9	19.4	15.3	17.4	21.3	18.2	19.8	21.5	17.2	19.1	28.7	26.1	27.1
10	20.7	17.5	19.2	20.9	16.5	19.6	22.6	19.7	20.8	29.1	26.7	27.5
11	21.9	19.1	20.2	16.5	13.7	15.0	24.6	21.5	22.7	28.9	27.2	28.0
12	19.1	15.6	16.7	15.5	12.6	14.0	26.0	23.6	24.6	29.7	27.3	28.4
13	18.2	15.0	16.6	16.4	13.2	14.7	25.1	21.8	23.7	29.5	27.4	28.5
14	16.9	12.5	15.5	17.3	14.8	15.6	24.0	21.6	22.5	28.5	27.0	27.8
15	14.5	11.0	12.7	18.0	15.5	16.5	25.0	23.4	24.1	28.9	26.8	27.7
16	14.8	12.3	13.9	17.6	17.1	17.3	24.8	22.7	23.6	28.3	27.3	27.9
17	14.5	13.5	14.0	17.6	16.7	17.3	22.7	21.2	22.0	27.6	26.2	27.1
18	15.4	13.6	14.5	17.9	15.5	17.0	22.4	20.6	21.5	27.7	25.2	26.2
19	17.0	14.6	15.8	20.4	17.1	18.2	22.7	21.3	22.1	26.6	24.2	25.6
20	18.8	16.5	17.5	21.5	19.1	19.7	22.9	22.0	22.5	26.0	23.7	25.0
21	20.3	18.1	18.9	22.4	20.5	21.2	24.0	22.1	22.8	27.6	23.5	25.3
22	21.1	19.2	20.0	22.2	21.3	21.8	25.2	23.3	24.1	27.1	25.5	26.2
23	21.5	19.7	20.5	22.0	20.8	21.5	26.2	23.7	24.6	27.6	25.8	26.5
24	21.2	17.9	20.2	23.0	21.1	22.1	27.1	24.5	25.3	27.5	25.5	26.6
25	17.9	15.3	16.5	24.7	22.6	23.6	26.9	24.8	25.6	28.2	25.5	26.7
26	17.7	15.2	16.6	25.7	23.6	24.3	27.3	25.5	26.2	27.7	25.7	26.7
27	17.4	15.5	16.5	24.0	22.6	23.4	27.8	25.8	26.6	28.1	26.4	27.1
28	16.5	13.7	15.1	24.3	23.1	23.7	27.5	25.8	26.6	28.1	26.6	27.3
29	---	---	---	23.1	17.6	20.6	27.2	25.6	26.5	27.8	26.2	26.9
30	---	---	---	19.1	15.2	17.2	27.4	25.6	26.4	26.9	25.6	26.2
31	---	---	---	19.7	16.0	17.5	---	---	---	26.2	24.6	25.4
MONTH	21.9	7.7	15.3	25.7	11.1	18.2	27.8	15.1	22.4	29.7	22.2	26.3

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.0	24.2	25.2	31.2	29.7	30.4	28.0	26.8	27.5	31.1	29.6	30.3
2	28.0	25.4	26.6	31.1	29.4	30.1	26.8	25.9	26.4	31.1	29.8	30.4
3	29.5	27.1	27.9	31.9	29.5	30.5	28.2	25.6	26.7	31.5	29.2	29.9
4	30.1	27.8	28.5	32.0	30.0	30.9	29.7	27.3	28.2	30.2	28.8	29.7
5	29.5	28.1	28.7	31.9	30.3	31.0	30.6	28.6	29.3	30.5	27.7	28.9
6	30.2	28.0	29.0	32.1	29.7	30.9	31.2	28.7	29.7	30.7	28.3	29.4
7	30.4	28.7	29.5	31.7	29.5	30.5	31.8	29.3	30.2	31.6	29.1	30.2
8	31.0	28.7	29.8	29.8	28.3	29.0	31.2	29.6	30.2	32.5	29.5	31.0
9	31.5	29.0	30.1	28.5	27.6	28.1	30.2	28.5	29.3	31.7	29.7	30.6
10	31.5	29.1	30.1	28.2	27.2	27.7	30.0	28.1	29.0	30.5	28.8	29.6
11	30.1	28.7	29.4	27.8	26.7	27.2	30.2	27.8	29.0	29.2	27.9	28.4
12	30.4	28.4	29.3	29.0	26.4	27.4	29.5	28.1	28.8	29.1	27.6	28.3
13	31.1	28.4	29.6	29.0	27.6	28.1	29.7	28.0	28.6	29.5	27.7	28.3
14	30.5	28.7	29.7	29.7	27.6	28.6	30.2	28.6	29.3	29.0	27.5	28.0
15	31.5	28.6	29.9	30.2	28.2	29.1	30.7	28.7	29.6	27.6	26.7	27.1
16	31.8	29.1	30.3	31.0	28.8	29.8	30.7	29.4	30.0	28.3	26.5	27.4
17	31.6	28.9	30.2	31.2	29.8	30.6	30.0	29.2	29.6	29.1	27.2	28.1
18	29.8	27.9	28.7	32.3	30.0	30.9	30.2	28.8	29.3	29.7	27.5	28.4
19	29.6	27.8	28.8	32.3	30.2	30.9	30.2	28.8	29.5	28.4	26.0	27.1
20	29.9	28.0	28.8	30.8	29.6	30.2	30.3	28.9	29.5	27.7	25.4	26.6
21	30.5	28.7	29.2	31.4	28.8	30.0	29.7	28.1	28.7	27.7	26.1	27.1
22	29.5	28.4	28.9	30.3	28.8	29.5	29.6	27.8	28.5	28.1	26.2	27.1
23	28.4	26.7	27.6	30.0	28.0	28.8	29.5	28.2	28.8	27.7	25.7	26.6
24	27.0	26.3	26.6	30.6	28.1	29.0	30.6	27.9	29.2	27.1	24.9	25.9
25	28.9	26.0	27.0	31.1	28.7	29.6	30.9	28.4	29.6	26.6	24.2	25.1
26	29.4	27.4	28.3	30.2	28.7	29.5	29.9	28.3	29.0	25.7	23.9	24.7
27	29.8	27.8	28.6	29.4	27.7	28.5	30.3	27.7	29.0	26.8	24.3	25.3
28	30.2	28.1	29.1	28.8	26.1	27.4	30.5	28.5	29.4	27.5	25.3	26.3
29	30.8	28.4	29.6	30.3	27.7	28.8	30.8	29.4	30.1	27.7	25.8	26.7
30	31.7	28.8	30.0	30.2	27.6	28.9	31.8	29.8	30.5	27.2	25.8	26.5
31	---	---	---	28.9	27.7	28.5	31.0	29.8	30.4	---	---	---
MONTH	31.8	24.2	28.8	32.3	26.1	29.4	31.8	25.6	29.1	32.5	23.9	28.0

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 poor. No elevation an/or velocity record Nov. 15,16; Jan. 17, 27, 28, Feb. 25-28.. Aug./ 29-Sept 30.

EXTREMES FOR PERIOD OF RECORD.—Maximum positive discharge, 5,170 ft³/s, Feb. 19, 1988, maximum elevation 12.11ft, Oct. 27, 1983; maximum negative discharge, -280 ft³/s, June 16, 1985, no flow at times each year.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge recorded, 3,520 ft³/s, Jan. 21, but may have been higher during periods of missing record; minimum daily discharge recorded, 17 ft³/s, Sept. 30, but may have been lesser during the periods of missing record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	33	217	54	1250	382	94	712	456	36	102	—
2	15	25	82	48	1160	1010	94	843	379	33	86	—
3	17	24	36	46	1110	1110	101	708	280	29	67	—
4	17	24	35	42	1060	1040	64	1010	207	29	143	—
5	16	31	36	37	1050	899	82	919	247	38	179	—
6	16	24	34	33	891	762	439	688	219	40	102	—
7	15	22	33	32	827	614	1050	427	167	41	92	—
8	15	19	32	30	793	504	1200	406	127	51	71	—
9	16	19	34	27	765	463	1080	571	106	146	49	—
10	18	18	38	26	897	836	928	980	89	334	47	—
11	18	17	73	26	1050	890	751	1090	217	461	44	—
12	16	18	71	26	1030	683	630	820	397	615	42	—
13	15	20	113	27	1010	525	943	600	612	706	52	—
14	17	31	573	30	970	379	872	354	551	470	69	—
15	19	—	508	32	965	389	875	244	489	417	60	—
16	18	—	365	32	943	377	1140	241	449	312	69	—
17	17	968	222	—	900	344	1390	228	407	217	66	—
18	17	883	130	578	868	186	1290	538	252	139	56	—
19	17	864	99	522	815	71	1080	649	159	320	55	—
20	22	805	89	438	746	32	690	580	85	400	56	—
21	22	768	78	338	664	91	577	388	83	342	66	—
22	23	735	74	196	580	88	683	276	89	308	75	—
23	22	695	180	93	564	99	527	218	101	320	63	—
24	20	606	270	66	636	102	349	216	253	309	69	—
25	18	533	246	53	—	136	265	199	165	304	87	—
26	17	440	200	48	—	135	297	187	116	198	59	—
27	17	366	91	—	—	116	364	175	99	222	43	—
28	17	304	49	—	—	122	371	170	82	296	—	—
29	23	264	61	1850	—	114	315	190	63	292	—	—
30	63	233	74	1700	—	104	277	250	45	169	—	—
31	57	—	63	1600	—	97	—	346	—	128	—	—
TOTAL	635	—	4206	—	—	12700	18818	15223	6991	7722	—	—
MEAN	20.5	—	136	—	—	410	627	491	233	249	—	—

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.19	2.02	3.62	2.13	10.95	4.26	2.49	5.36	5.24	1.38	1.85	.93
2	1.24	1.81	2.50	2.03	10.63	7.65	2.45	5.12	4.86	1.14	1.61	1.01
3	1.24	1.65	1.82	1.94	10.31	8.30	2.40	4.81	4.21	.97	1.43	3.00
4	1.22	1.54	1.86	1.82	10.00	7.83	2.39	6.14	3.56	.91	2.15	2.62
5	1.20	1.53	1.88	1.70	9.77	7.07	2.39	5.70	3.71	1.00	2.53	1.51
6	1.21	1.42	1.83	1.55	9.64	6.24	4.32	4.95	3.77	1.12	1.91	.99
7	1.23	1.27	1.77	1.44	9.37	5.57	8.18	3.86	3.46	1.15	1.54	.83
8	1.31	1.05	1.72	1.30	9.07	5.05	8.37	3.67	3.12	1.54	1.35	.80
9	1.36	.98	1.72	1.11	8.71	4.77	7.91	4.47	2.91	2.56	1.19	.88
10	1.38	.95	1.89	1.00	9.32	7.05	7.15	6.71	2.97	4.47	1.05	1.16
11	1.36	.89	2.50	.96	10.82	6.99	6.20	6.94	3.69	6.34	.92	2.19
12	1.37	.93	2.46	.93	10.82	5.81	6.01	6.17	5.05	7.81	.88	2.04
13	1.41	1.08	2.75	.98	10.58	4.59	7.74	5.49	6.82	8.35	1.05	1.60
14	1.47	1.24	6.56	1.03	10.29	3.94	7.66	4.47	6.26	7.91	1.15	1.23
15	1.50	---	6.60	1.13	9.99	4.14	6.78	3.69	5.62	7.11	1.04	1.18
16	1.51	---	5.33	1.07	9.69	4.18	7.94	3.51	5.23	5.96	1.12	1.48
17	1.53	10.24	4.09	---	9.36	3.98	8.61	3.84	4.85	4.58	1.09	1.72
18	1.56	9.95	3.17	6.37	8.97	3.34	8.06	5.81	3.73	3.56	1.00	1.70
19	1.61	9.62	2.79	6.33	8.47	3.11	7.24	5.90	2.97	4.76	.95	1.47
20	1.65	9.27	2.66	5.42	7.82	2.99	6.45	5.20	2.65	5.68	1.01	1.20
21	1.65	8.93	2.54	4.58	7.05	2.88	7.15	3.89	2.44	5.44	1.21	1.01
22	1.63	8.51	2.48	3.43	6.32	2.80	7.08	3.33	2.30	4.95	1.33	.84
23	1.58	7.95	3.36	2.23	5.94	2.75	6.09	3.18	2.21	5.63	1.04	.88
24	1.48	7.22	4.11	1.73	6.47	2.71	5.13	3.08	3.14	5.90	1.10	.86
25	1.41	6.38	3.93	1.50	---	2.70	4.33	2.99	3.45	5.23	1.37	.99
26	1.38	5.58	3.62	1.38	---	2.72	4.05	2.92	2.68	4.40	.96	.87
27	1.36	4.97	2.83	---	---	2.72	4.31	2.83	2.28	3.69	.70	.73
28	1.32	4.54	2.24	---	---	2.69	4.28	2.78	2.04	4.44	.69	.75
29	1.63	4.20	2.31	11.44	---	2.66	3.70	2.83	1.84	3.42	.79	.71
30	2.55	3.90	2.46	11.45	---	2.60	3.54	3.01	1.63	2.58	.87	.61
31	2.35	---	2.32	11.24	---	2.52	---	3.78	---	2.14	.95	---
MAX	2.55	---	6.60	---	---	8.30	8.61	6.94	6.82	8.35	2.53	3.00
MIN	1.19	---	1.72	---	---	2.52	2.39	2.78	1.63	.91	.69	.61

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.

REMARKS.--Records for the 1993 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. DIS- CHARGE, SUS- PENDED (T/DAY)	SIEVE DIAM. % FINER THAN .062 MM
OCT 1992					
27...	0800	89000	125	30000	78
NOV					
10...	1130	83000	134	30100	86
24...	1130	172000	238	111000	85
DEC					
08...	1200	286000	404	312000	58
31...	1045	215000	316	183000	85
JAN 1993					
12...	1430	209000	214	121000	73
26...	1000	221000	160	96000	76
FEB					
17...	1100	162000	208	91000	76
MAR					
11...	1300	185000	196	98000	87
MAY					
04...	1030	314000	128	109000	75
JUN					
02...	1400	297000	168	134000	91
22...	1300	214000	325	188000	93
JUL					
14...	1500	233000	442	278000	84
27...	1530	325000	303	266000	78
AUG					
10...	1030	322000	343	298000	68
24...	1100	314000	239	203000	56
SEP					
08...	1130	190000	237	121000	78
21...	1330	194000	197	103000	83

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA—Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49000	31000	159000	182000	108000	68000	116000	136000	141000	136000	284000	188000
2	50000	31000	184000	177000	110000	79000	113000	133000	135000	145000	289000	183000
3	51000	24000	229000	173000	122000	87000	119000	128000	130000	147000	286000	173000
4	53000	23000	259000	168000	126000	97000	119000	108000	125000	167000	293000	158000
5	55000	21000	279000	148000	128000	101000	119000	117000	113000	169000	297000	153000
6	66000	25000	287000	136000	129000	99000	125000	117000	115000	175000	306000	144000
7	70000	27000	294000	122000	131000	100000	136000	123000	117000	209000	313000	139000
8	64000	25000	312000	120000	132000	99000	134000	123000	111000	233000	312000	121000
9	54000	26000	312000	117000	129000	104000	127000	127000	106000	227000	315000	115000
10	38000	30000	290000	115000	123000	103000	125000	128000	107000	231000	307000	119000
11	37000	32000	254000	113000	116000	98000	124000	125000	111000	240000	303000	116000
12	36000	34000	218000	121000	109000	98000	122000	130000	112000	245000	299000	115000
13	35000	38000	210000	133000	94000	108000	127000	132000	114000	256000	297000	113000
14	34000	38000	200000	146000	92000	107000	138000	128000	118000	281000	297000	109000
15	30000	42000	151000	146000	90000	110000	140000	129000	125000	288000	291000	106000
16	32000	50000	145000	146000	89000	123000	140000	132000	135000	280000	280000	108000
17	27000	70000	136000	144000	91000	138000	138000	135000	148000	281000	268000	108000
18	27000	76000	109000	140000	82000	144000	140000	155000	162000	283000	260000	109000
19	26000	83000	75000	137000	65000	147000	141000	156000	176000	277000	249000	109000
20	25000	96000	84000	138000	55000	155000	141000	154000	185000	277000	239000	108000
21	25000	106000	94000	130000	54000	154000	136000	150000	191000	283000	226000	103000
22	26000	111000	88000	119000	54000	155000	133000	156000	196000	282000	220000	114000
23	25000	115000	82000	107000	52000	159000	132000	157000	189000	277000	212000	123000
24	32000	110000	89000	105000	57000	156000	128000	158000	164000	272000	202000	135000
25	32000	112000	105000	102000	63000	147000	127000	150000	140000	269000	201000	148000
26	33000	108000	114000	95000	65000	141000	127000	154000	141000	265000	201000	164000
27	30000	115000	114000	97000	65000	134000	131000	144000	143000	266000	201000	184000
28	31000	122000	115000	99000	64000	132000	130000	143000	144000	266000	197000	196000
29	31000	126000	141000	101000	---	129000	126000	139000	141000	268000	198000	219000
30	31000	142000	164000	103000	---	124000	134000	141000	132000	274000	201000	243000
31	32000	---	183000	105000	---	118000	---	142000	---	287000	196000	---
MAX	70000	142000	312000	182000	132000	159000	141000	158000	196000	288000	315000	243000
MIN	25000	21000	75000	95000	52000	68000	113000	108000	106000	136000	196000	103000

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.

REMARKS.--Records for the 1992 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY)	SIEVE DIAM. % FINER THAN .062 MM
OCT 1992					
08...	1230	158000	242	103000	88
20...	1230	83700	157	35500	94
NOV					
03...	1230	96200	92	23800	96
17...	1230	146000	167	65900	81
DEC					
01...	1230	271000	495	362000	56
15...	1100	229000	231	143000	65
31...	1230	348000	613	576000	56
JAN 1993					
14...	1000	363000	545	535000	45
28...	1230	364000	355	349000	46
FEB					
11...	1130	297000	247	198000	53
25...	1400	260000	379	266000	65
MAR					
09...	1000	356000	508	488000	70
25...	1230	435000	425	499000	61
APR					
08...	1130	411000	345	383000	60
MAY					
04...	1500	465000	220	276000	48
20...	1030	492000	237	315000	66
JUN					
03...	1330	421000	283	321000	73
14...	1030	260000	292	205000	79
JUL					
15...	1200	279000	409	308000	88
29...	1245	330000	302	267000	81
AUG					
10...	1400	342000	323	298000	64
26...	1230	336000	205	186000	75
SEP					
08...	1500	233000	226	142000	91
23...	1130	212000	204	117000	78

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96000	30000	362000	567000	312000	303000	398000	315000	338000	270000	276000	189000
2	98000	29000	370000	563000	297000	342000	387000	315000	331000	270000	279000	189000
3	99000	24000	390000	558000	294000	388000	388000	310000	321000	263000	275000	186000
4	101000	26000	387000	549000	285000	420000	385000	276000	312000	266000	283000	175000
5	97000	25000	377000	522000	274000	441000	375000	286000	293000	260000	283000	168000
6	102000	29000	357000	500000	263000	454000	368000	282000	287000	247000	285000	160000
7	108000	28000	334000	474000	252000	467000	373000	292000	279000	256000	289000	154000
8	103000	28000	316000	473000	241000	474000	382000	292000	266000	268000	295000	142000
9	91000	27000	301000	477000	228000	488000	385000	284000	251000	261000	299000	124000
10	74000	29000	280000	477000	212000	476000	394000	281000	238000	263000	298000	117000
11	67000	33000	248000	474000	198000	458000	395000	270000	233000	263000	294000	121000
12	60000	32000	217000	491000	194000	449000	392000	274000	233000	270000	290000	121000
13	53000	38000	197000	514000	181000	466000	392000	280000	226000	276000	280000	120000
14	52000	38000	178000	533000	173000	463000	400000	280000	224000	291000	276000	121000
15	44000	42000	143000	522000	165000	456000	405000	289000	225000	308000	271000	119000
16	45000	52000	134000	500000	163000	466000	401000	29500	227000	305000	262000	114000
17	42000	66000	146000	484000	174000	481000	390000	294000	233000	300000	257000	115000
18	40000	76000	155000	467000	183000	490000	386000	317000	240000	299000	246000	120000
19	34000	83000	163000	456000	183000	492000	385000	314000	249000	295000	238000	119000
20	36000	97000	182000	458000	188000	487000	387000	314000	251000	290000	230000	119000
21	35000	127000	212000	465000	209000	495000	382000	313000	258000	294000	223000	115000
22	30000	148000	226000	446000	228000	493000	374000	332000	266000	290000	214000	116000
23	33000	172000	242000	420000	234000	507000	369000	341000	282000	288000	207000	117000
24	35000	177000	266000	406000	246000	510000	368000	349000	286000	287000	198000	127000
25	36000	200000	305000	394000	266000	499000	363000	339000	277000	281000	194000	135000
26	36000	203000	338000	373000	278000	487000	356000	352000	279000	272000	186000	148000
27	34000	220000	369000	361000	284000	471000	350000	338000	280000	275000	189000	164000
28	31000	264000	404000	348000	290000	459000	343000	337000	283000	274000	191000	168000
29	32000	295000	459000	339000	---	446000	322000	329000	284000	269000	191000	185000
30	29000	319000	518000	332000	---	429000	319000	330000	278000	269000	193000	s196000
31	30000	---	575000	320000	---	411000	---	334000	---	274000	194000	---
MAX	108000	319000	575000	567000	312000	510000	405000	352000	338000	308000	299000	196000
MIN	29000	24000	134000	320000	163000	303000	319000	29500	224000	247000	186000	114000

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW 1/4 NW 1/4 sec. 26, T. 4 S., R. 7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080101, at bridge on Texas and Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 mi².

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1979 to September 1981.

WATER TEMPERATURES: May 1979 to September 1981.

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 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH	TEMPER- ATURE WATER (DEG C)	COLOR	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN	OXYGEN	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)		
			WATER WHOLE FIELD (STAND- ARD UNITS)		(PLAT- INUM- COBALT UNITS)		DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)		DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)					
NOV 1993														
04...	1130	397	8.03	15.0	15	47	<1	8.5	0.9	18	210	K40		
JAN 1994														
13...	1100	364	7.86	5.5	10	25	<1	11.6	1.7	29	820	K28		
FEB														
03...	1130	213	7.63	7.0	60	120	<1	10.4	1.8	27	1600	--		
MAR														
17...	1045	254	7.68	10.5	40	59	<1	9.7	1.3	14	>190	120		
29...	0945	264	7.48	13.5	20	34	<1	9.0	1.2	14	230	<2		
JUN														
16...	1230	405	7.45	27.0	10	67	<1	7.4	2.0	17	--	K80		
22...	1040	391	7.71	27.5	5	40	<1	7.0	0.3	21	250	K20		
JUL														
21...	1140	428	7.37	29.0	5	28	<1	6.1	0.9	22	210	K44		
AUG														
03...	1040	373	7.73	28.5	10	37	<1	7.0	0.8	20	K100	88		
SEP														
06...	1140	395	7.25	28.0	5	8.0	<1	7.4	0.5	20	K130	K4		
DATE		STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO3	ALKA- LITY, CARBON- ATE IT-FLD (MG/L- CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
NOV 1993														
04...	K50	150	40	12	18	3.3	118	119	43	20	0.2	7.1	252	
JAN 1994														
13...	K40	140	39	11	17	2.8	111	108	40	19	0.1	7.6	230	
FEB														
03...	460	73	20	5.6	11	2.4	57	53	22	13	<0.1	5.7	131	
MAR														
17...	>10	93	26	6.8	13	2.5	64	63	29	16	<0.1	6.0	155	
29...	K30	98	27	7.5	12	2.5	68	67	32	16	<0.1	6.1	165	
JUN														
16...	K30	140	37	12	24	3.0	104	102	50	33	0.2	5.3	242	
22...	--	150	40	13	20	3.1	109	--	54	25	0.2	4.7	240	
JUL														
21...	K26	160	41	14	30	3.4	112	109	49	38	0.2	6.1	256	
AUG														
03...	K40	140	36	12	22	3.3	104	--	43	28	0.2	7.1	224	
SEP														
06...	--	150	39	13	26	3.4	111	--	58	30	0.2	2.7	248	

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

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

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)
NOV 1993												
04...	221	128	--	0.02	1.2	1.2	--	0.04	0.70	0.30	0.19	0.06
JAN 1994												
13...	206	52	0.01	0.01	1.0	1.0	0.06	0.06	0.65	0.30	0.14	0.05
FEB												
03...	114	220	0.04	0.01	0.53	0.53	0.09	0.05	0.66	--	0.20	0.03
MAR												
17...	141	170	0.04	0.02	0.82	0.82	0.06	0.04	0.58	--	0.19	0.04
29...	148	170	0.03	0.04	0.98	0.98	0.04	0.04	0.48	--	0.13	0.05
JUN												
16...	229	240	0.02	<0.01	0.85	0.85	0.04	0.04	1.1	--	0.12	0.06
22...	230	98	0.01	<0.01	0.94	0.94	0.03	0.03	0.83	0.52	0.14	0.06
JUL												
21...	253	84	0.01	<0.01	1.3	1.3	0.02	0.02	0.62	--	0.14	0.05
AUG												
03...	219	68	0.01	<0.01	1.1	1.1	0.02	0.02	0.75	0.44	0.16	0.09
SEP												
06...	242	24	<0.01	<0.01	0.64	0.64	0.02	0.03	0.87	0.66	0.08	0.05
DATE	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
NOV 1993												
04...	--	0.06	40	2	--	71	<10	--	<1	--	2	<1
JAN 1994												
13...	0.07	0.05	--	1	<1	--	<1	<1	<1	<1	6	<1
FEB												
03...	0.18	0.03	60	4	--	42	5	--	<1	--	7	<1
MAR												
17...	0.10	0.03	--	2	--	49	<1	--	<1	--	<5	2
29...	0.08	0.04	60	1	--	47	<1	--	<1	--	<5	<1
JUN												
16...	0.09	0.05	--	2	1	--	<1	<1	<1	<1	3	<1
22...	0.08	0.06	--	2	1	--	<1	<1	<1	<1	3	<1
JUL												
21...	0.09	0.06	--	2	1	--	<1	<1	<1	<1	4	<1
AUG												
03...	0.10	0.08	--	3	2	--	1	<1	<1	<1	2	<1
SEP												
06...	0.07	0.06	--	1	2	--	1	<1	<1	<1	<1	<1

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)
NOV 1993												
04...	<3	7	--	24	4	--	10	2	--	<0.1	<10	5
JAN 1994												
13...	--	7	2	78	2	<1	--	--	<0.1	<0.1	--	3
FEB												
03...	<3	7	--	78	6	--	<4	10	--	0.1	<10	7
MAR												
17...	<3	6	--	140	4	--	<4	10	--	0.2	<10	5
29...	<3	16	--	120	8	--	<4	10	--	0.2	<10	6
JUN												
16...	--	11	5	27	4	<1	--	--	0.1	0.1	--	4
22...	--	10	4	14	3	<1	--	--	0.1	<0.1	--	4
JUL												
21...	--	5	3	15	2	<1	--	--	<0.1	<0.1	--	5
AUG												
03...	--	4	2	31	3	<1	--	--	0.1	0.1	--	2
SEP												
06...	--	6	5	8	<1	<1	--	--	<0.1	<0.1	--	4

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
NOV 1993												
04...	2	<2	<1	<1	180	<6	10	--	6.1	<0.01	1	1
JAN 1994												
13...	<1	<1	<1	--	--	<1	10	<4	5.7	<0.01	1	<1
FEB												
03...	2	<1	<1	<1	110	1	30	--	9.2	<0.01	6	<1
MAR												
17...	2	<1	<1	<1	120	2	30	--	6.9	<0.01	2	1
29...	2	<1	<1	<1	120	<1	30	--	6.3	<0.01	1	<1
JUN												
16...	<1	<1	<1	--	--	2	30	<4	6.6	<0.01	3	1
22...	<1	<1	<1	--	--	1	30	4	8.0	<0.01	3	<1
JUL												
21...	3	<1	<1	--	--	3	10	<4	6.2	<0.01	<1	<1
AUG												
03...	<1	<1	<1	--	--	3	10	<4	5.9	<0.01	<1	<1
SEP												
06...	3	<1	<1	--	--	2	5	11	4.6	<0.01	1	<1

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SI- MAZINE, WATER, DISS, REC (UG/L)	PRO- METRYN, WATER, DISS, REC (UG/L)	PRO- METON, WATER, DISS, REC (UG/L)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L)	CYANA- ZINE, WATER, DISS, REC (UG/L)	AMETRYN WATER, DISS, REC, (UG/L)	PROP- AZINE WATER DISS REC (UG/L)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L)	DI- SYSTON TOTAL (UG/L)	PHORATE TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
NOV 1993												
04...	--	--	--	--	--	--	--	--	--	--	--	<0.05
JAN 1994												
13...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1
FEB												
03...	<0.05	0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1
MAR												
17...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1
29...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1
JUN												
16...	0.06	0.25	<0.05	<0.05	0.07	0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1
22...	0.06	0.05	<0.05	<0.05	0.11	0.4	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1
JUL												
21...	0.08	0.06	<0.05	0.07	0.20	0.5	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1
AUG												
03...	0.09	<0.05	<0.05	<0.05	0.06	<0.2	<0.05	<0.05	<0.01	--	--	<0.1
SEP												
06...	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1
DATE	DEF TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	LINDANE TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)
NOV 1993												
04...	--	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1994												
13...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB												
03...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
MAR												
17...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
29...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN												
16...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
22...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL												
21...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG												
03...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP												
06...	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TOX- APHENE, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	METO- LACHLOR WATER DISSOLV (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	PCB, TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	ATRA- ZINE, WATER, DISS, REC (UG/L)
NOV 1993											
04...	<0.5	<0.01	--	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	--
JAN 1994											
13...	<1	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.11
FEB											
03...	<1	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.07
MAR											
17...	<1	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.11
29...	<1	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.05
JUN											
16...	<1	<0.01	0.26	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.64
22...	<1	<0.01	0.32	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.92
JUL											
21...	<1	<0.01	0.34	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	0.02	1.0
AUG											
03...	<1	<0.01	0.14	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	0.01	0.30
SEP											
06...	<1	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	0.01	<0.05
DATE	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	MIREX, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	ALA- CHLOR, WATER, DISS, REC, (UG/L)	2, 4-DP TOTAL (UG/L)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
NOV 1993											
04...	<0.5	<0.5	<0.01	<0.5	<0.01	<0.01	--	<0.5	--	2.5	0.1
JAN 1994											
13...	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	2.3	0.1
FEB											
03...	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	0.5	<0.1
MAR											
17...	--	--	<0.01	--	<0.01	--	<0.05	--	<0.05	0.3	<0.1
29...	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	0.8	<0.1
JUN											
16...	0.03	<0.01	<0.01	<0.01	<0.01	--	0.06	<0.01	0.06	0.4	<0.1
22...	<0.01	<0.01	<0.01	<0.01	<0.01	--	0.07	<0.01	<0.05	3.8	0.2
JUL											
21...	0.03	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	3.4	0.2
AUG											
03...	0.03	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	1.1	0.1
SEP											
06...	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	7.6	1.1

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY)	SIEVE DIAM. % FINER THAN .062 MM
NOV 1993				
04...	148000	169	68000	98
FEB				
03...	245000	250	165000	92
MAR				
29...	284000	--	--	--
JUN				
16...	152000	179	73000	90
JUL				
21...	147000	96	38000	100

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, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—July 1993 to current year.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Gage datum is to an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 14.80 ft, Mar. 21, 1994, minimum, 7.06 ft, Nov. 14, 15, 1993.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	8.50	11.90	10.42	10.45	13.76	14.44	14.59	11.62	7.84	---	---
2	---	8.29	11.96	10.34	10.68	13.90	14.32	14.61	10.91	7.79	---	---
3	---	8.10	11.95	10.23	10.86	13.99	14.22	14.64	10.26	7.74	---	---
4	---	7.92	11.87	10.06	11.05	14.09	14.13	14.64	9.69	7.69	---	---
5	---	7.75	11.83	9.84	11.29	14.19	14.06	14.62	9.16	7.65	---	---
6	---	7.64	11.86	9.60	11.48	14.26	14.05	14.60	8.91	7.62	---	---
7	---	7.56	11.85	9.36	11.62	14.33	14.03	14.59	8.87	7.58	---	---
8	---	7.47	11.81	9.11	11.84	14.38	13.98	14.58	8.81	7.55	---	---
9	---	7.40	11.88	8.86	12.13	14.49	13.96	14.57	8.71	7.52	---	---
10	---	7.34	12.05	8.62	12.44	14.55	13.95	14.58	8.57	7.50	---	---
11	---	7.27	12.14	8.41	12.77	14.58	13.91	14.56	8.54	7.47	---	---
12	---	7.21	12.18	8.25	12.97	14.60	13.96	14.53	8.51	7.44	---	---
13	---	7.15	12.30	8.15	13.14	14.61	13.97	14.49	8.49	7.42	---	---
14	11.14	7.09	12.46	8.04	13.25	14.64	13.96	14.45	8.46	7.39	---	---
15	11.05	7.09	12.54	7.96	13.35	14.66	14.00	14.38	8.43	7.37	---	---
16	10.91	7.15	12.63	7.91	13.43	14.68	14.18	14.31	8.40	7.33	---	---
17	10.86	7.18	12.72	8.05	13.49	14.68	14.23	14.24	8.37	7.30	---	---
18	10.85	7.18	12.79	8.41	13.52	14.72	14.26	14.09	8.35	7.27	---	---
19	10.82	7.19	12.83	8.73	13.53	14.77	14.28	13.96	8.31	7.24	---	---
20	10.78	7.21	12.85	9.00	13.53	14.82	14.32	13.84	8.28	7.21	---	---
21	10.72	7.28	12.87	9.28	13.53	14.83	14.36	13.74	8.25	7.16	---	---
22	10.61	7.71	12.88	9.56	13.52	14.81	14.36	13.63	8.21	7.14	---	---
23	10.34	8.58	12.87	9.76	13.55	14.77	14.39	13.51	8.17	7.12	---	---
24	10.00	9.30	12.73	9.84	13.57	14.72	14.41	13.38	8.14	7.12	---	---
25	9.74	9.85	12.54	9.82	13.55	14.66	14.40	13.26	8.10	---	---	---
26	9.54	10.23	12.28	9.74	13.55	14.64	14.41	13.12	8.07	---	---	---
27	9.29	10.93	11.92	9.69	13.57	14.64	14.43	12.95	8.03	---	---	---
28	9.02	11.23	11.45	9.83	13.63	14.63	14.45	12.78	7.99	---	---	---
29	8.84	11.41	10.87	10.17	---	14.58	14.46	12.57	7.94	---	---	---
30	8.82	11.67	10.53	10.30	---	14.53	14.53	12.36	7.89	---	---	---
31	8.71	---	10.45	10.34	---	14.50	---	12.10	---	---	---	---
MEAN	10.11	8.26	12.12	9.28	12.69	14.52	14.21	13.94	8.68	7.44	---	---

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PERIOD OF RECORD.--July 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1993 to September 1994.

pH: July 1993 to September 1994.

WATER TEMPERATURE: July 1993 to September 1994.

DISSOLVED OXYGEN: July 1993 to September 1994.

INSTRUMENTATION.--Water-quality monitor since July 1993.

REMARKS.--Dissolved oxygen may show 10 percent error due to inaccuracies of meters. Water-quality monitor out of water Nov. 5, 1993 to Dec. 1, 1993, and June 19, 1994 to Sept. 30, 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 551 microsiemens, June 14, 1994, but may have been higher during period of missing record; minimum daily, 100 microsiemens, Jan. 14, 1994, but may have been lower during period of missing record.

pH: Maximum daily, 9.0 units, May 22, 1994, but may have been higher during period of missing record; minimum daily, 6.3 units, Jan. 14, 1994, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 31.1°C, June 9, 1994, but may have been higher during period of missing record; minimum daily, 4.2°C, Jan. 24, 1994, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 13.8 mg/L, Jan. 15, 1994, but may have been higher during period of missing record; minimum daily, 3.6 mg/L, June 10, 1994, but may have been 0.0 mg/L during period of missing record.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR JULY 1993 TO SEPTEMBER 1993

DAY	JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	368	362	365	407	404	405
2	---	---	---	383	368	376	407	405	406
3	---	---	---	389	382	385	---	---	---
4	---	---	---	395	389	392	---	---	---
5	---	---	---	407	394	400	---	---	---
6	---	---	---	412	406	409	---	---	---
7	---	---	---	414	411	413	---	---	---
8	---	---	---	416	413	414	---	---	---
9	---	---	---	416	409	413	---	---	---
10	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---
13	401	392	397	---	---	---	---	---	---
14	405	400	403	367	365	366	---	---	---
15	405	398	404	366	364	365	---	---	---
16	401	386	394	372	366	369	---	---	---
17	386	371	378	382	372	376	---	---	---
18	371	365	368	392	382	387	---	---	---
19	366	359	364	400	392	397	---	---	---
20	363	357	360	406	400	404	---	---	---
21	358	353	356	415	406	410	---	---	---
22	356	353	355	420	415	418	---	---	---
23	362	355	358	422	419	421	---	---	---
24	368	360	364	425	422	424	---	---	---
25	375	367	372	425	416	422	---	---	---
26	375	366	371	416	410	413	---	---	---
27	371	359	366	411	399	406	---	---	---
28	367	359	362	401	400	401	---	---	---
29	367	362	366	406	401	403	---	---	---
30	365	363	364	408	402	405	---	---	---
31	366	364	364	406	402	404	---	---	---
MONTH	---	---	---	425	362	398	---	---	---

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	—	—	—	402	385	391	—	—	—	289	282	284
2	—	—	—	397	390	393	287	284	286	294	289	292
3	—	—	—	407	392	399	284	282	283	296	294	295
4	—	—	—	448	403	418	287	283	284	297	294	296
5	—	—	—	—	—	—	293	287	290	297	294	295
6	—	—	—	—	—	—	297	293	295	303	294	299
7	—	—	—	—	—	—	297	294	296	309	301	306
8	—	—	—	—	—	—	294	285	289	368	308	343
9	—	—	—	—	—	—	288	283	286	398	358	381
10	—	—	—	—	—	—	294	288	292	433	398	419
11	—	—	—	—	—	—	294	281	286	484	330	378
12	—	—	—	—	—	—	281	277	278	330	316	320
13	—	—	—	—	—	—	279	275	278	334	322	327
14	—	—	—	—	—	—	277	276	276	331	100	247
15	354	352	353	—	—	—	276	269	272	332	212	320
16	358	353	356	—	—	—	270	264	266	347	328	341
17	365	357	360	—	—	—	271	263	267	381	278	356
18	374	365	370	—	—	—	271	268	270	368	351	356
19	382	374	378	—	—	—	268	267	268	352	341	348
20	394	381	387	—	—	—	268	268	268	341	316	329
21	409	392	401	—	—	—	—	—	—	316	311	313
22	416	407	414	—	—	—	—	—	—	321	315	318
23	422	416	419	—	—	—	—	—	—	320	307	314
24	427	422	425	—	—	—	272	264	268	307	300	303
25	432	425	429	—	—	—	264	260	261	301	295	298
26	432	420	427	—	—	—	262	260	260	296	295	295
27	423	418	420	—	—	—	265	260	262	301	279	297
28	421	381	400	—	—	—	274	265	269	300	285	293
29	391	300	366	—	—	—	277	274	276	285	241	264
30	390	378	384	—	—	—	278	275	277	241	204	223
31	391	383	387	—	—	—	283	276	279	204	188	193
MONTH	—	—	—	—	—	—	297	260	277	484	100	311
	FEBRUARY			MARCH			APRIL			MAY		
1	190	189	189	229	216	219	—	—	—	278	273	276
2	193	190	192	240	229	237	—	—	—	280	278	279
3	193	191	192	241	239	239	—	—	—	282	279	280
4	194	191	192	248	241	245	—	—	—	282	280	282
5	199	194	196	259	248	253	—	—	—	281	280	281
6	204	199	202	268	259	265	—	—	—	283	281	283
7	206	199	203	272	267	268	—	—	—	289	283	286
8	206	197	200	308	268	272	—	—	—	298	289	295
9	210	200	204	281	271	273	—	—	—	332	298	311
10	215	210	213	285	276	278	—	—	—	336	308	324
11	219	214	217	284	267	273	—	—	—	308	296	301
12	219	214	218	268	257	262	—	—	—	298	295	296
13	218	213	216	257	251	254	—	—	—	297	292	295
14	216	213	215	253	250	251	—	—	—	292	287	289
15	213	212	213	265	251	252	—	—	—	288	286	287
16	214	213	214	256	252	253	—	—	—	292	286	289
17	219	214	217	—	—	—	—	—	—	297	291	295
18	220	218	219	—	—	—	—	—	—	302	297	300
19	220	218	219	—	—	—	—	—	—	308	302	305
20	220	217	218	—	—	—	268	259	264	309	308	309
21	218	214	217	—	—	—	273	268	270	314	309	311
22	215	211	213	—	—	—	276	273	275	317	314	315
23	215	209	210	—	—	—	276	272	274	318	316	317
24	220	208	209	—	—	—	272	264	268	318	313	316
25	220	210	215	—	—	—	264	257	260	314	307	310
26	233	220	227	—	—	—	258	257	257	307	305	306
27	233	228	232	—	—	—	261	258	259	306	304	305
28	228	216	222	—	—	—	266	261	263	308	305	306
29	—	—	—	—	—	—	271	265	268	307	306	306
30	—	—	—	—	—	—	274	270	272	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—
MONTH	233	189	210	—	—	—	—	—	—	336	273	298

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	--	--	--	--	--	--	--	--	--	--	--	--
2	--	--	--	--	--	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	--	--	--
9	357	334	345	--	--	--	--	--	--	--	--	--
10	352	333	342	--	--	--	--	--	--	--	--	--
11	409	349	385	--	--	--	--	--	--	--	--	--
12	430	391	404	--	--	--	--	--	--	--	--	--
13	512	430	482	--	--	--	--	--	--	--	--	--
14	551	407	497	--	--	--	--	--	--	--	--	--
15	408	387	397	--	--	--	--	--	--	--	--	--
16	400	375	389	--	--	--	--	--	--	--	--	--
17	399	380	393	--	--	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	--	--	--
21	--	--	--	--	--	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--	--	--	--	--	--
23	--	--	--	--	--	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--	--	--	--	--	--
25	--	--	--	--	--	--	--	--	--	--	--	--
26	--	--	--	--	--	--	--	--	--	--	--	--
27	--	--	--	--	--	--	--	--	--	--	--	--
28	--	--	--	--	--	--	--	--	--	--	--	--
29	--	--	--	--	--	--	--	--	--	--	--	--
30	--	--	--	--	--	--	--	--	--	--	--	--
31	--	--	--	--	--	--	--	--	--	--	--	--
MONTH	--	--	--	--	--	--	--	--	--	--	--	--

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR JULY 1993 TO SEPTEMBER 1993

	JUNE			JULY			AUGUST			SEPTEMBER		
1	--	--	--	--	--	--	8.1	7.9	8.1	8.0	7.9	7.9
2	--	--	--	--	--	--	8.2	8.1	8.2	8.3	7.9	7.9
3	--	--	--	--	--	--	8.2	8.2	8.2	--	--	--
4	--	--	--	--	--	--	8.3	8.1	8.2	--	--	--
5	--	--	--	--	--	--	8.2	8.1	8.2	--	--	--
6	--	--	--	--	--	--	8.4	8.2	8.3	--	--	--
7	--	--	--	--	--	--	8.5	8.4	8.4	--	--	--
8	--	--	--	--	--	--	8.6	8.5	8.5	--	--	--
9	--	--	--	--	--	--	8.7	8.6	8.6	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	7.9	7.8	7.8	--	--	--	--	--	--
14	--	--	--	7.9	7.8	7.8	7.8	7.8	7.8	--	--	--
15	--	--	--	7.9	7.9	7.9	7.8	7.8	7.8	--	--	--
16	--	--	--	7.9	7.8	7.9	7.8	7.8	7.8	--	--	--
17	--	--	--	7.9	7.8	7.8	7.9	7.8	7.8	--	--	--
18	--	--	--	7.9	7.9	7.9	7.9	7.8	7.9	--	--	--
19	--	--	--	7.9	7.8	7.8	7.9	7.9	7.9	--	--	--
20	--	--	--	7.9	7.8	7.8	7.9	7.9	7.9	--	--	--
21	--	--	--	7.9	7.8	7.9	7.9	7.9	7.9	--	--	--
22	--	--	--	7.9	7.8	7.8	7.9	7.9	7.9	--	--	--
23	--	--	--	7.9	7.9	7.9	7.9	7.9	7.9	--	--	--
24	--	--	--	7.9	7.8	7.9	8.0	7.9	7.9	--	--	--
25	--	--	--	7.9	7.9	7.9	8.0	7.9	7.9	--	--	--
26	--	--	--	7.9	7.9	7.9	8.0	7.9	7.9	--	--	--
27	--	--	--	7.9	7.4	7.7	8.0	7.9	7.9	--	--	--
28	--	--	--	7.6	7.4	7.5	7.9	7.9	7.9	--	--	--
29	--	--	--	7.7	7.6	7.6	8.0	7.9	7.9	--	--	--
30	--	--	--	7.8	7.7	7.7	8.0	7.9	7.9	--	--	--
31	--	--	--	7.9	7.8	7.8	8.0	7.9	7.9	--	--	--
MONTH	--	--	--	--	--	--	8.7	7.8	8.0	--	--	--

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	8.5	8.4	8.5	---	---	---	7.8	7.7	7.8
2	---	---	---	8.5	8.5	8.5	7.9	7.6	7.7	7.8	7.8	7.8
3	---	---	---	8.6	8.4	8.5	7.9	7.6	7.8	7.8	7.8	7.8
4	---	---	---	8.5	8.2	8.4	8.0	7.7	7.8	7.8	7.8	7.8
5	---	---	---	---	---	---	8.1	7.8	8.0	7.9	7.8	7.8
6	---	---	---	---	---	---	8.1	7.9	8.0	7.9	7.8	7.9
7	---	---	---	---	---	---	8.2	7.9	8.1	7.9	7.8	7.9
8	---	---	---	---	---	---	8.2	8.0	8.1	7.9	7.5	7.7
9	---	---	---	---	---	---	8.4	7.9	8.2	7.7	7.5	7.6
10	---	---	---	---	---	---	8.4	8.1	8.2	7.6	7.5	7.6
11	---	---	---	---	---	---	8.4	8.1	8.3	7.7	7.5	7.6
12	---	---	---	---	---	---	8.5	8.2	8.3	7.8	7.7	7.8
13	---	---	---	---	---	---	8.5	8.2	8.4	7.9	7.7	7.8
14	---	---	---	---	---	---	8.5	8.3	8.4	8.1	6.3	7.6
15	8.0	7.8	7.9	---	---	---	8.7	8.4	8.5	8.0	7.6	7.8
16	8.0	7.9	8.0	---	---	---	8.7	8.4	8.5	7.9	7.8	7.8
17	8.1	8.0	8.0	---	---	---	8.7	8.5	8.6	7.9	7.7	7.8
18	8.2	8.0	8.1	---	---	---	8.7	8.5	8.6	8.0	7.8	7.9
19	8.3	8.1	8.2	---	---	---	8.8	8.5	8.6	8.1	8.0	8.1
20	8.3	8.2	8.2	---	---	---	8.6	8.5	8.6	8.1	8.1	8.1
21	8.3	8.2	8.3	---	---	---	---	---	---	8.1	8.1	8.1
22	8.4	8.3	8.3	---	---	---	---	---	---	8.1	8.1	8.1
23	8.4	8.3	8.4	---	---	---	---	---	---	8.1	8.1	8.1
24	8.3	8.2	8.3	---	---	---	7.7	7.7	7.7	8.1	7.4	7.8
25	8.4	8.3	8.4	---	---	---	7.7	7.7	7.7	7.6	7.6	7.6
26	8.4	8.3	8.4	---	---	---	7.8	7.7	7.7	7.6	7.6	7.6
27	8.4	8.3	8.3	---	---	---	7.8	7.7	7.8	7.6	7.5	7.6
28	8.4	8.3	8.3	---	---	---	7.8	7.7	7.8	7.6	7.6	7.6
29	8.4	8.0	8.2	---	---	---	7.8	7.7	7.8	7.6	7.5	7.6
30	8.3	8.0	8.2	---	---	---	7.8	7.7	7.7	7.5	7.4	7.5
31	8.4	8.3	8.4	---	---	---	7.8	7.7	7.7	7.4	7.4	7.4
MONTH	---	---	---	---	---	---	8.8	7.6	8.1	8.1	6.3	7.8
	FEBRUARY			MARCH			APRIL			MAY		
1	7.4	7.4	7.4	7.9	7.7	7.8	---	---	---	7.8	7.6	7.7
2	7.4	7.4	7.4	7.8	7.7	7.8	---	---	---	7.8	7.6	7.7
3	7.4	7.4	7.4	7.9	7.8	7.8	---	---	---	7.8	7.7	7.8
4	7.5	7.4	7.4	7.9	7.8	7.9	---	---	---	7.8	7.7	7.8
5	7.5	7.4	7.4	7.9	7.9	7.9	---	---	---	7.9	7.7	7.8
6	7.5	7.4	7.5	7.9	7.9	7.9	---	---	---	7.9	7.8	7.8
7	7.5	7.4	7.5	8.0	7.9	7.9	---	---	---	7.9	7.8	7.8
8	7.5	7.5	7.5	---	---	---	---	---	---	7.9	7.8	7.8
9	7.6	7.5	7.5	---	---	---	---	---	---	7.9	7.8	7.9
10	7.6	7.5	7.5	---	---	---	---	---	---	7.9	7.9	7.9
11	7.7	7.5	7.6	---	---	---	---	---	---	8.0	7.9	7.9
12	7.7	7.6	7.6	---	---	---	---	---	---	8.3	8.0	8.1
13	7.7	7.6	7.6	---	---	---	---	---	---	8.5	8.2	8.4
14	7.7	7.6	7.7	---	---	---	---	---	---	8.8	8.5	8.6
15	7.7	7.6	7.7	---	---	---	---	---	---	8.9	8.7	8.8
16	7.7	7.6	7.7	---	---	---	---	---	---	8.9	8.7	8.8
17	7.7	7.4	7.6	---	---	---	---	---	---	8.8	8.7	8.8
18	7.8	7.6	7.7	---	---	---	---	---	---	8.8	8.7	8.8
19	7.8	7.6	7.7	---	---	---	---	---	---	8.9	8.7	8.8
20	7.8	7.6	7.7	---	---	---	7.6	7.5	7.5	8.9	8.8	8.9
21	7.8	7.7	7.7	---	---	---	7.6	7.5	7.6	8.9	8.8	8.9
22	7.8	7.7	7.7	---	---	---	7.6	7.5	7.6	9.0	8.7	8.9
23	7.8	7.7	7.7	---	---	---	7.6	7.5	7.5	8.9	8.8	8.9
24	7.8	7.6	7.7	---	---	---	7.6	7.5	7.6	8.9	8.7	8.8
25	7.9	7.7	7.8	---	---	---	7.6	7.4	7.5	8.9	8.8	8.8
26	7.8	7.6	7.8	---	---	---	7.7	7.4	7.5	8.9	8.6	8.8
27	7.9	7.7	7.8	---	---	---	7.7	7.5	7.6	8.9	8.7	8.8
28	7.9	7.7	7.8	---	---	---	7.7	7.6	7.6	8.9	8.7	8.8
29	---	---	---	---	---	---	7.7	7.6	7.7	8.8	8.6	8.7
30	---	---	---	---	---	---	7.8	7.7	7.7	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	7.9	7.4	7.6	---	---	---	---	---	---	9.0	7.6	8.4

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	--	--	--	--	--	--	--	--	--	--	--	--
2	--	--	--	--	--	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	--	--	--
9	7.4	7.1	7.2	--	--	--	--	--	--	--	--	--
10	7.5	7.2	7.3	--	--	--	--	--	--	--	--	--
11	7.4	7.2	7.3	--	--	--	--	--	--	--	--	--
12	7.5	7.2	7.3	--	--	--	--	--	--	--	--	--
13	7.4	7.2	7.3	--	--	--	--	--	--	--	--	--
14	7.8	7.3	7.4	--	--	--	--	--	--	--	--	--
15	7.7	7.5	7.6	--	--	--	--	--	--	--	--	--
16	7.8	7.6	7.6	--	--	--	--	--	--	--	--	--
17	7.9	7.7	7.8	--	--	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	--	--	--
21	--	--	--	--	--	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--	--	--	--	--	--
23	--	--	--	--	--	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--	--	--	--	--	--
25	--	--	--	--	--	--	--	--	--	--	--	--
26	--	--	--	--	--	--	--	--	--	--	--	--
27	--	--	--	--	--	--	--	--	--	--	--	--
28	--	--	--	--	--	--	--	--	--	--	--	--
29	--	--	--	--	--	--	--	--	--	--	--	--
30	--	--	--	--	--	--	--	--	--	--	--	--
31	--	--	--	--	--	--	--	--	--	--	--	--
MONTH	--	--	--	--	--	--	--	--	--	--	--	--

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

	JUNE			JULY			AUGUST			SEPTEMBER		
1	--	--	--	--	--	--	30.6	29.9	30.2	30.6	29.9	30.2
2	--	--	--	--	--	--	30.6	29.9	30.2	30.5	29.9	30.1
3	--	--	--	--	--	--	30.5	29.9	30.1	--	--	--
4	--	--	--	--	--	--	30.4	29.8	30.1	--	--	--
5	--	--	--	--	--	--	30.1	29.6	29.9	--	--	--
6	--	--	--	--	--	--	30.0	29.3	29.6	--	--	--
7	--	--	--	--	--	--	29.4	28.8	29.1	--	--	--
8	--	--	--	--	--	--	29.2	28.6	28.9	--	--	--
9	--	--	--	--	--	--	29.4	28.7	29.0	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	29.2	28.4	28.8	--	--	--	--	--	--
14	--	--	--	29.2	28.5	28.9	29.3	28.6	28.9	--	--	--
15	--	--	--	28.8	28.4	28.6	29.2	28.6	28.9	--	--	--
16	--	--	--	29.1	28.2	28.6	29.2	28.6	28.8	--	--	--
17	--	--	--	29.3	28.3	28.7	29.1	28.4	28.7	--	--	--
18	--	--	--	29.4	28.5	28.9	29.1	28.4	28.7	--	--	--
19	--	--	--	29.4	28.7	29.0	29.2	28.6	28.8	--	--	--
20	--	--	--	29.7	28.8	29.2	29.1	28.5	28.7	--	--	--
21	--	--	--	29.7	28.8	29.2	28.7	28.4	28.5	--	--	--
22	--	--	--	29.5	28.9	29.2	29.0	28.4	28.6	--	--	--
23	--	--	--	29.8	29.0	29.3	29.2	28.5	28.9	--	--	--
24	--	--	--	29.9	29.2	29.5	29.4	28.7	29.0	--	--	--
25	--	--	--	29.6	29.2	29.4	29.6	29.0	29.2	--	--	--
26	--	--	--	29.9	29.2	29.5	29.8	29.1	29.4	--	--	--
27	--	--	--	30.0	29.3	29.6	29.6	29.3	29.4	--	--	--
28	--	--	--	30.3	29.4	29.8	30.1	29.3	29.6	--	--	--
29	--	--	--	30.5	29.7	30.0	30.3	29.6	29.9	--	--	--
30	--	--	--	30.5	29.7	30.0	30.4	29.8	30.0	--	--	--
31	--	--	--	30.6	29.8	30.1	30.5	29.8	30.1	--	--	--
MONTH	--	--	--	--	--	--	30.6	28.4	29.3	--	--	--

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	17.0	15.4	16.0	---	---	---	8.2	7.9	8.0
2	---	---	---	16.6	15.4	16.0	10.9	10.5	10.6	8.0	7.8	7.9
3	---	---	---	16.7	15.6	16.0	11.0	10.6	10.8	7.8	7.3	7.5
4	---	---	---	17.6	15.9	16.5	11.5	11.0	11.2	7.8	6.9	7.3
5	---	---	---	---	---	---	11.0	10.6	10.8	7.7	6.8	7.3
6	---	---	---	---	---	---	10.6	10.1	10.4	8.4	7.2	7.7
7	---	---	---	---	---	---	10.3	10.0	10.1	8.8	6.9	7.9
8	---	---	---	---	---	---	10.6	10.1	10.3	9.0	5.5	6.9
9	---	---	---	---	---	---	10.8	10.2	10.5	9.8	5.5	7.3
10	---	---	---	---	---	---	10.8	10.4	10.6	10.0	7.0	8.4
11	---	---	---	---	---	---	10.7	10.4	10.5	10.2	7.8	9.1
12	---	---	---	---	---	---	10.5	10.2	10.4	7.8	7.0	7.3
13	---	---	---	---	---	---	10.8	10.3	10.5	7.6	6.2	6.9
14	---	---	---	---	---	---	10.5	10.1	10.3	8.8	5.8	6.8
15	19.7	19.2	19.4	---	---	---	10.1	9.8	9.9	8.3	5.7	6.7
16	19.8	19.2	19.4	---	---	---	9.9	9.5	9.7	7.4	6.1	6.6
17	19.8	19.0	19.4	---	---	---	9.7	9.4	9.5	9.2	6.1	7.1
18	20.0	19.2	19.5	---	---	---	9.7	9.4	9.5	6.2	5.3	5.7
19	20.2	19.2	19.7	---	---	---	9.5	9.4	9.4	5.6	4.7	5.2
20	20.7	19.6	20.2	---	---	---	9.6	9.3	9.4	5.9	5.1	5.4
21	20.6	19.8	20.1	---	---	---	---	---	---	5.7	5.0	5.3
22	19.8	19.0	19.2	---	---	---	---	---	---	5.2	4.6	4.8
23	20.0	18.8	19.3	---	---	---	---	---	---	5.0	4.4	4.6
24	19.6	19.1	19.3	---	---	---	8.3	7.8	8.1	4.9	4.2	4.6
25	19.8	18.9	19.4	---	---	---	8.2	7.7	7.9	5.5	4.5	4.9
26	20.1	19.1	19.6	---	---	---	8.2	7.7	7.9	6.0	5.0	5.5
27	20.1	18.9	19.4	---	---	---	8.4	7.7	8.1	7.2	5.9	6.6
28	19.7	18.4	19.0	---	---	---	8.6	8.1	8.3	6.7	5.7	6.1
29	19.4	18.7	19.0	---	---	---	8.5	8.2	8.4	6.8	5.7	6.1
30	18.8	16.5	17.4	---	---	---	8.4	7.9	8.1	7.9	6.8	7.4
31	17.1	15.9	16.4	---	---	---	8.3	7.7	8.1	8.8	7.8	8.3
MONTH	---	---	---	---	---	---	11.5	7.7	9.6	10.2	4.2	6.7
	FEBRUARY			MARCH			APRIL			MAY		
1	8.6	8.2	8.4	9.6	9.5	9.5	---	---	---	19.9	19.6	19.7
2	8.6	7.9	8.2	9.5	9.1	9.3	---	---	---	20.1	19.7	19.9
3	8.0	7.7	7.8	9.5	8.9	9.1	---	---	---	20.4	19.8	20.1
4	7.9	7.7	7.8	9.6	9.0	9.2	---	---	---	20.1	19.7	19.9
5	8.2	7.7	7.9	9.3	8.9	9.1	---	---	---	20.2	19.6	19.9
6	8.0	7.5	7.7	9.1	8.8	9.0	---	---	---	20.4	19.7	20.0
7	7.9	7.5	7.6	9.4	8.4	9.1	---	---	---	20.3	19.8	20.1
8	8.5	7.6	8.1	9.9	8.9	9.6	---	---	---	20.3	20.0	20.1
9	8.6	8.0	8.3	9.9	9.4	9.8	---	---	---	20.5	19.9	20.1
10	8.1	7.3	7.6	10.0	8.8	9.6	---	---	---	20.1	19.8	19.9
11	7.3	6.9	7.1	---	---	---	---	---	---	20.1	19.6	19.8
12	7.2	6.8	7.0	---	---	---	---	---	---	20.4	19.7	20.0
13	7.3	6.9	7.1	---	---	---	---	---	---	20.5	19.8	20.1
14	7.2	6.6	6.8	---	---	---	---	---	---	20.6	20.0	20.2
15	6.7	6.4	6.5	---	---	---	---	---	---	20.7	20.2	20.4
16	6.7	6.2	6.4	---	---	---	---	---	---	20.7	20.4	20.6
17	6.6	6.0	6.3	---	---	---	---	---	---	20.8	20.5	20.6
18	6.7	6.0	6.3	---	---	---	---	---	---	21.4	20.6	21.0
19	7.0	6.4	6.7	---	---	---	---	---	---	21.6	20.9	21.2
20	7.3	6.8	7.0	---	---	---	17.1	16.7	16.9	21.7	21.0	21.3
21	7.8	7.1	7.5	---	---	---	17.3	16.9	17.0	21.7	21.1	21.4
22	8.2	7.5	7.8	---	---	---	17.5	17.1	17.3	22.0	21.3	21.6
23	8.5	8.2	8.4	---	---	---	18.0	17.3	17.6	22.1	21.5	21.8
24	8.8	8.1	8.4	---	---	---	18.1	17.5	17.8	22.3	21.7	22.0
25	9.2	8.4	8.8	---	---	---	18.6	17.9	18.3	22.5	21.9	22.2
26	9.4	8.9	9.1	---	---	---	19.0	18.4	18.7	22.8	22.2	22.5
27	9.4	8.9	9.1	---	---	---	19.4	18.7	19.0	22.9	22.6	22.7
28	9.6	9.1	9.3	---	---	---	19.6	18.9	19.2	23.2	22.7	22.9
29	---	---	---	---	---	---	19.9	19.2	19.6	23.1	22.8	22.9
30	---	---	---	---	---	---	19.8	19.6	19.7	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	9.6	6.0	7.7	---	---	---	---	---	---	23.2	19.6	20.9

	JUNE	JULY	AUGUST	SEPTEMBER
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	---	---	---	---
30	---	---	---	---
31	---	---	---	---
MONTH	---	---	---	---

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN JUNE	MEAN		MAX	MIN JULY	MEAN		MAX	MIN AUGUST	MEAN		MAX	MIN SEPTEMBER	MEAN
1	--	--	--		--	--	--		--	--	--		--	--	--
2	--	--	--		--	--	--		--	--	--		--	--	--
3	--	--	--		--	--	--		--	--	--		--	--	--
4	--	--	--		--	--	--		--	--	--		--	--	--
5	--	--	--		--	--	--		--	--	--		--	--	--
6	--	--	--		--	--	--		--	--	--		--	--	--
7	--	--	--		--	--	--		--	--	--		--	--	--
8	--	--	--		--	--	--		--	--	--		--	--	--
9	7.4	4.1	5.2		--	--	--		--	--	--		--	--	--
10	6.4	3.6	4.6		--	--	--		--	--	--		--	--	--
11	5.0	4.1	4.5		--	--	--		--	--	--		--	--	--
12	6.6	4.2	4.9		--	--	--		--	--	--		--	--	--
13	8.9	3.9	5.9		--	--	--		--	--	--		--	--	--
14	12.8	4.1	6.5		--	--	--		--	--	--		--	--	--
15	6.0	4.2	4.9		--	--	--		--	--	--		--	--	--
16	5.9	4.4	4.9		--	--	--		--	--	--		--	--	--
17	5.8	4.4	4.9		--	--	--		--	--	--		--	--	--
18	--	--	--		--	--	--		--	--	--		--	--	--
19	--	--	--		--	--	--		--	--	--		--	--	--
20	--	--	--		--	--	--		--	--	--		--	--	--
21	--	--	--		--	--	--		--	--	--		--	--	--
22	--	--	--		--	--	--		--	--	--		--	--	--
23	--	--	--		--	--	--		--	--	--		--	--	--
24	--	--	--		--	--	--		--	--	--		--	--	--
25	--	--	--		--	--	--		--	--	--		--	--	--
26	--	--	--		--	--	--		--	--	--		--	--	--
27	--	--	--		--	--	--		--	--	--		--	--	--
28	--	--	--		--	--	--		--	--	--		--	--	--
29	--	--	--		--	--	--		--	--	--		--	--	--
30	--	--	--		--	--	--		--	--	--		--	--	--
31	--	--	--		--	--	--		--	--	--		--	--	--
MONTH	--	--	--		--	--	--		--	--	--		--	--	--

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA

LOCATION.—Lat 30 ° 04'54", long 91 ° 31'52", in sec.15, T.11 S., R.9 E., St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 13.7 miles northeast of Loreauville, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—September 1993 to current year.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Gage datum is an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height recorded, 16.77 ft, May 10, 1994, minimum recorded, 6.61 ft, July 26, 1994.

EXTREMES FOR CURRENT PERIOD.—Maximum gge height recorded, 16.77 ft, May 10, but may have been higher during periods of missing record; minimum gage height recorded, 6.61 ft, July 26, but may have been lower during periods of missing record.

GAGE HEIGHT, FEET, SEPTEMBER 1993

DAILY MEAN VALUES

DAY	SEP
1	---
2	---
3	---
4	---
5	---
6	---
7	---
8	---
9	---
10	---
11	10.67
12	10.47
13	10.34
14	10.27
15	10.26
16	10.12
17	9.98
18	9.88
19	9.84
20	9.83
21	9.79
22	9.74
23	9.68
24	9.64
25	9.60
26	9.62
27	9.66
28	9.65
29	9.63
30	9.63
31	---
MEAN	9.91

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.67	9.88	12.11	11.55	11.01	14.71	--	16.38	13.87	8.59	8.38	--
2	9.76	9.73	12.34	11.33	11.11	14.89	--	16.42	13.36	8.50	8.35	--
3	9.88	--	--	11.12	11.24	15.00	--	16.49	12.82	8.42	8.32	--
4	9.99	--	12.56	10.90	11.40	15.14	--	16.53	12.34	8.38	8.29	--
5	10.12	--	12.53	10.67	11.61	15.28	--	16.55	11.92	8.38	8.28	--
6	10.30	--	12.50	10.45	11.83	15.39	--	16.57	11.58	8.35	8.22	--
7	10.54	--	12.50	10.25	12.03	15.48	15.02	16.60	11.25	8.34	8.15	--
8	10.77	--	12.49	10.05	12.22	15.55	14.95	16.62	10.91	8.50	8.13	--
9	10.97	--	12.49	9.86	12.46	15.73	14.91	16.66	10.61	8.61	8.12	--
10	11.14	--	12.59	9.69	12.81	15.79	14.91	16.70	10.44	8.67	--	--
11	11.27	--	12.70	9.55	13.19	15.84	14.87	16.71	10.21	8.83	--	--
12	11.40	--	12.77	9.43	13.47	15.87	14.91	16.70	10.10	9.00	--	--
13	11.53	--	12.88	9.36	13.72	15.90	14.93	16.69	9.96	--	--	--
14	11.63	--	13.03	9.27	13.93	15.93	14.91	16.67	9.81	--	--	--
15	11.69	--	13.11	9.19	14.11	15.96	14.97	16.61	9.67	--	--	--
16	11.68	--	13.22	9.14	14.26	15.97	15.20	16.55	9.55	--	--	--
17	11.63	--	13.33	9.25	14.36	15.97	15.29	16.48	9.44	--	--	--
18	11.56	--	13.43	9.25	14.43	16.01	15.33	16.35	9.35	--	--	--
19	11.45	--	13.59	9.40	14.47	16.08	15.38	16.17	9.27	--	--	--
20	11.28	--	--	9.52	14.48	16.13	15.47	16.02	9.19	--	--	--
21	11.08	--	13.59	9.69	14.48	16.15	15.54	15.90	9.12	--	--	--
22	10.83	--	13.62	9.91	14.47	16.13	15.59	15.77	9.08	--	--	--
23	10.58	--	13.64	10.15	14.53	16.09	15.68	15.64	9.08	--	--	--
24	10.37	--	13.60	10.35	14.52	16.02	15.76	15.50	9.12	--	--	--
25	10.24	--	13.50	10.45	14.50	15.92	15.81	15.36	9.09	--	--	--
26	10.16	--	13.36	10.47	14.49	15.89	15.86	15.21	9.02	--	--	--
27	10.05	--	13.15	10.52	14.50	15.91	15.97	15.04	8.93	8.65	--	--
28	9.90	--	12.87	10.57	14.55	15.89	16.06	14.85	8.85	8.61	--	--
29	10.02	11.90	12.54	10.70	--	15.81	16.14	14.65	8.77	8.54	--	--
30	10.20	--	12.14	10.84	--	15.73	16.27	14.45	8.68	8.48	--	--
31	10.04	--	11.80	10.93	--	15.68	--	14.21	--	8.42	--	--
MEAN	10.70	10.50	12.90	10.12	13.36	15.74	15.41	16.03	10.18	8.55	8.25	--

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1993 to September 1994.

pH: November 1993 to September 1994.

WATER TEMPERATURE: July 1993 to September 1994.

DISSOLVED OXYGEN: July 1993 to September 1994.

INSTRUMENTATION.--Water-quality monitor since July 1993.

REMARKS.--Dissolved oxygen may show 10 percent error due to inaccuracies of meters. Areas surrounding site dewatered making site inaccessible. from Aug. 31, 1994 to Sept. 30, 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 415 microsiemens, Aug. 25, 1993, but may have been higher during period of missing record; minimum daily, 199 microsiemens, Feb. 8, 9, 1994, but may have been lower during period of missing record.

pH: Maximum daily, 8.5 units, April 8, 1994, but may have been higher during period of missing record; minimum daily, 6.5 units, Nov. 5, 1993, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 32.7°C, Aug. 29, 1993, but may have been higher during period of missing record; minimum daily, 6.9°C, Feb. 17, 18, 1994, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 10.6 mg/L, Feb. 14-20, 1994, but may have been higher during period of missing record; minimum daily, 0.0 mg/L, June 18-20, 24, 1994, but may have been 0.0 mg/L during period of missing record.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR JULY 1993 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	382	377	379
2	---	---	---	---	---	---	385	379	381
3	---	---	---	370	362	366	382	379	380
4	---	---	---	381	370	375	386	380	382
5	---	---	---	391	380	385	388	382	385
6	---	---	---	402	389	396	389	378	384
7	---	---	---	404	371	398	380	377	379
8	---	---	---	407	398	401	380	376	370
9	---	---	---	413	405	409	378	365	376
10	---	---	---	410	405	407	374	370	372
11	---	---	---	406	400	403	377	372	374
12	---	---	---	402	389	395	379	374	376
13	---	---	---	395	379	384	379	374	376
14	380	376	378	---	---	---	379	370	375
15	380	371	377	---	---	---	373	359	365
16	381	373	377	---	---	---	371	362	366
17	388	379	384	---	---	383	376	363	369
18	393	387	390	392	384	389	374	367	370
19	396	390	394	399	391	396	372	364	369
20	394	387	390	405	397	402	373	366	368
21	389	379	385	408	402	406	372	365	369
22	380	370	376	413	407	410	373	366	370
23	372	358	368	414	411	413	376	371	373
24	363	356	360	412	410	411	376	371	373
25	360	358	359	415	412	413	376	368	372
26	365	359	362	413	404	409	374	358	368
27	368	363	365	406	396	401	375	366	370
28	367	357	363	396	388	392	374	369	371
29	365	358	362	389	385	387	375	369	372
30	---	---	---	387	376	384	378	371	374
31	---	---	---	382	377	379	---	---	---
MONTH	---	---	---	415	362	396	389	358	374

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	380	373	376	308	300	303	361	332	342	282	278	280
2	—	—	—	313	305	309	339	321	330	284	281	283
3	—	—	—	351	303	311	324	307	315	288	284	286
4	—	—	—	308	300	303	311	302	305	290	287	288
5	—	—	—	302	298	301	304	301	302	289	287	288
6	—	—	—	307	300	304	304	300	302	290	285	289
7	—	—	—	308	302	306	305	301	303	295	289	292
8	381	375	379	305	299	301	307	303	305	299	294	296
9	390	379	384	303	300	301	306	302	304	302	295	299
10	393	386	389	308	299	301	303	299	302	304	300	302
11	388	372	382	310	303	306	302	295	298	308	302	304
12	377	365	370	311	297	303	297	294	295	306	297	303
13	365	355	360	316	297	305	294	288	292	—	—	—
14	356	347	351	324	297	303	290	286	288	—	—	—
15	349	344	347	328	302	310	288	283	285	—	—	—
16	346	342	344	316	293	303	283	277	280	—	—	—
17	343	339	341	310	292	302	280	275	277	—	—	—
18	345	338	342	316	310	312	277	276	276	—	—	—
19	349	342	345	314	295	304	277	276	277	297	287	292
20	350	344	348	317	298	312	278	276	276	290	276	282
21	349	345	348	315	302	308	278	276	277	284	272	278
22	349	346	348	312	302	307	279	272	276	275	271	272
23	349	346	348	311	302	305	273	270	272	274	271	272
24	350	346	348	305	299	302	272	266	269	276	272	274
25	351	343	347	305	301	302	266	262	264	286	274	279
26	351	344	347	303	302	302	263	260	262	286	280	283
27	353	344	350	331	302	310	263	260	260	288	281	284
28	354	347	351	353	331	345	264	260	262	300	281	290
29	360	313	344	353	339	345	265	261	263	301	280	294
30	331	307	317	366	338	338	280	265	273	308	296	303
31	307	297	302	—	—	—	280	277	278	308	302	306
MONTH	393	297	352	366	292	309	361	260	287	308	271	289
	FEBRUARY			MARCH			APRIL			MAY		
1	313	303	305	225	216	218	274	266	270	278	272	275
2	304	299	300	226	216	219	281	274	278	282	277	279
3	301	296	298	232	225	229	285	279	283	283	280	282
4	296	261	276	238	232	234	288	284	285	287	282	284
5	264	226	246	242	237	240	291	287	289	287	285	286
6	229	212	217	255	242	248	291	288	290	288	285	287
7	215	208	211	258	253	256	288	280	284	289	286	288
8	210	199	209	261	257	259	282	272	276	295	289	291
9	209	199	207	261	256	258	275	263	266	306	293	299
10	210	204	207	264	257	260	264	257	259	326	304	313
11	215	208	211	266	262	264	257	254	256	330	316	323
12	218	214	216	264	256	260	256	251	253	316	304	310
13	218	216	217	258	247	252	255	253	254	305	303	304
14	224	216	220	247	242	245	256	255	256	303	299	301
15	223	220	221	243	240	242	257	253	256	299	295	297
16	222	220	220	241	240	241	254	250	252	295	291	294
17	222	220	221	243	240	241	253	251	252	294	291	292
18	222	221	221	257	237	249	256	251	253	301	293	297
19	222	221	221	260	257	258	258	255	257	307	301	304
20	221	220	221	261	260	260	264	258	261	313	307	310
21	221	219	220	261	260	260	274	263	268	316	312	314
22	220	216	217	261	260	261	279	273	276	319	316	317
23	217	211	213	261	260	261	281	279	280	323	319	321
24	212	209	210	260	258	259	280	277	279	323	321	322
25	212	209	210	258	256	257	277	271	273	322	318	320
26	221	211	217	256	253	255	271	265	267	319	313	314
27	228	220	225	256	253	255	266	264	264	313	309	311
28	229	224	227	257	255	256	268	264	266	311	307	310
29	—	—	—	260	257	258	272	267	270	311	307	309
30	—	—	—	263	259	261	274	271	272	—	—	—
31	—	—	—	266	262	264	—	—	—	—	—	—
MONTH	313	199	229	266	216	251	291	250	268	330	272	302

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	289	284	287	---	---	---	---	---	---
2	---	---	---	288	284	286	---	---	---	---	---	---
3	---	---	---	291	282	285	---	---	---	---	---	---
4	---	---	---	287	278	284	---	---	---	---	---	---
5	---	---	---	293	283	287	---	---	---	---	---	---
6	---	---	---	290	282	286	---	---	---	---	---	---
7	---	---	---	293	280	285	---	---	---	---	---	---
8	---	---	---	290	281	286	---	---	---	---	---	---
9	---	---	---	284	277	280	---	---	---	---	---	---
10	---	---	---	286	274	280	---	---	---	---	---	---
11	---	---	---	284	275	279	311	281	286	---	---	---
12	---	---	---	278	266	274	303	282	289	---	---	---
13	---	---	---	272	248	257	335	283	293	---	---	---
14	---	---	---	260	246	254	320	291	297	---	---	---
15	296	287	292	259	248	254	303	294	298	---	---	---
16	297	290	294	268	259	265	302	290	297	---	---	---
17	300	293	298	267	262	265	337	290	298	---	---	---
18	299	289	294	270	265	268	309	298	305	---	---	---
19	297	291	294	273	266	270	311	305	309	---	---	---
20	298	293	295	272	265	269	315	308	312	---	---	---
21	299	296	298	272	265	269	318	310	313	---	---	---
22	300	294	297	272	262	268	351	312	323	---	---	---
23	297	290	294	278	267	272	323	313	317	---	---	---
24	295	279	289	272	264	268	356	315	325	---	---	---
25	285	279	283	268	264	266	340	322	330	---	---	---
26	285	275	281	270	266	268	340	324	334	---	---	---
27	287	279	283	---	---	---	341	333	337	---	---	---
28	287	281	285	---	---	---	368	339	346	---	---	---
29	289	284	286	---	---	---	365	346	352	---	---	---
30	291	285	287	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	293	246	274	---	---	---	---	---	---

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	7.4	7.3	7.3	7.4	7.2	7.3
2	---	---	---	7.5	7.3	7.4	7.4	7.1	7.2
3	---	---	---	7.5	7.4	7.5	7.4	7.1	7.3
4	6.8	6.6	6.7	7.5	7.4	7.5	7.4	7.2	7.3
5	6.8	6.5	6.6	7.6	7.5	7.6	7.4	7.2	7.3
6	6.9	6.7	6.8	7.6	7.6	7.6	7.3	7.1	7.2
7	7.0	6.8	6.9	7.7	7.6	7.6	7.5	7.1	7.3
8	7.0	6.7	6.9	7.7	7.6	7.7	7.3	7.1	7.2
9	7.1	6.7	7.0	7.7	7.7	7.7	7.3	7.1	7.2
10	---	---	---	7.7	7.7	7.7	7.3	7.0	7.1
11	---	---	---	7.7	7.7	7.7	7.3	6.9	7.1
12	---	---	---	7.7	7.7	7.7	7.3	7.0	7.2
13	---	---	---	7.8	7.7	7.7	7.2	7.1	7.1
14	---	---	---	7.8	7.7	7.8	7.3	7.1	7.2
15	---	---	---	7.8	7.7	7.8	7.6	7.1	7.4
16	6.8	6.6	6.7	7.8	7.7	7.7	7.8	7.5	7.6
17	7.1	6.6	6.8	7.7	7.6	7.7	7.7	7.6	7.6
18	7.2	6.9	7.0	7.8	7.6	7.7	8.0	7.7	7.8
19	7.2	6.9	7.1	7.8	7.6	7.7	---	---	---
20	7.2	6.9	7.0	7.8	7.6	7.7	---	---	---
21	6.9	6.9	6.9	7.8	7.6	7.7	---	---	---
22	6.9	6.8	6.9	7.8	7.7	7.8	---	---	---
23	7.1	6.9	7.0	7.7	7.6	7.6	---	---	---
24	7.1	7.1	7.1	7.6	7.0	7.5	---	---	---
25	7.3	7.1	7.2	7.5	7.4	7.5	---	---	---
26	7.3	7.1	7.2	7.4	7.3	7.3	---	---	---
27	7.4	7.2	7.3	7.4	7.3	7.4	---	---	---
28	7.4	7.4	7.4	7.5	7.4	7.4	---	---	---
29	7.4	7.4	7.4	7.5	7.3	7.4	---	---	---
30	7.4	7.3	7.4	7.5	7.2	7.4	---	---	---
31	---	---	---	7.5	7.2	7.4	---	---	---
MONTH	---	---	---	7.8	7.0	7.6	---	---	---

[illegible]

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	30.4	29.6	30.0
2	---	---	---	---	---	---	30.3	29.7	30.0
3	---	---	---	30.7	29.9	30.2	30.0	29.5	29.7
4	---	---	---	30.6	29.7	30.1	29.8	29.3	29.6
5	---	---	---	30.4	29.8	30.0	29.8	29.3	29.5
6	---	---	---	30.2	29.3	29.7	29.7	29.1	29.3
7	---	---	---	29.6	28.9	29.2	29.2	28.6	28.9
8	---	---	---	29.2	28.5	28.8	29.2	28.6	28.9
9	---	---	---	29.6	28.5	29.0	29.4	28.7	28.9
10	---	---	---	29.8	28.8	29.2	29.1	28.4	28.7
11	---	---	---	29.9	28.9	29.3	28.9	28.2	28.6
12	---	---	---	29.7	28.8	29.2	28.9	28.2	28.5
13	28.9	28.0	28.5	29.8	28.9	29.2	29.2	28.1	28.5
14	28.9	28.0	28.4	29.8	28.8	29.2	29.0	28.1	28.4
15	28.6	28.2	28.4	---	---	---	28.3	27.1	27.7
16	28.8	27.6	28.2	---	---	---	27.1	25.7	26.2
17	29.6	28.0	28.7	---	---	---	25.7	25.0	25.3
18	29.9	28.5	29.2	29.6	28.8	29.2	26.3	25.2	25.6
19	30.3	29.0	29.7	29.8	28.8	29.2	27.0	26.0	26.3
20	30.7	29.3	29.9	29.5	28.9	29.1	27.1	26.3	26.6
21	30.8	29.6	30.3	28.9	28.3	28.6	27.8	26.8	27.2
22	30.5	29.7	30.0	28.9	28.2	28.5	28.3	27.1	27.7
23	30.3	29.1	29.7	29.3	28.4	28.8	28.7	27.9	28.3
24	30.4	29.3	29.8	29.6	28.6	29.1	29.0	28.3	28.7
25	30.0	29.2	29.5	29.9	28.9	29.3	29.7	28.0	28.7
26	30.4	29.1	29.6	29.7	29.0	29.4	29.0	28.0	28.5
27	30.7	29.4	29.8	29.3	28.8	29.1	28.0	26.8	27.5
28	30.9	29.4	29.9	29.7	28.8	29.1	26.8	25.9	26.2
29	31.1	29.8	30.2	30.1	28.9	29.4	26.0	25.0	25.4
30	---	---	29.8	30.3	29.3	29.7	25.5	24.6	25.0
31	---	---	---	30.4	29.4	29.9	---	---	---
MONTH	---	---	---	30.7	28.2	29.3	30.4	24.6	27.9

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.2	24.3	24.7	14.7	13.2	13.9	12.3	11.5	11.8	9.5	8.8	9.1
2	---	---	---	13.7	13.0	13.3	12.7	11.9	12.1	9.9	9.4	9.6
3	---	---	---	14.4	13.4	13.8	12.9	12.1	12.4	9.8	9.4	9.6
4	---	---	---	16.1	14.4	15.1	13.3	12.4	12.8	9.7	8.9	9.3
5	---	---	---	17.7	16.1	16.8	12.7	12.4	12.5	9.2	8.4	8.7
6	---	---	---	17.3	15.9	16.7	12.4	11.8	12.1	9.9	8.6	9.2
7	---	---	---	15.9	14.5	15.1	11.8	11.3	11.5	10.7	9.9	10.3
8	25.1	24.5	24.8	14.5	13.5	13.8	11.9	11.3	11.5	10.0	9.0	9.3
9	25.4	24.8	25.0	13.6	13.1	13.2	12.0	11.3	11.5	9.2	8.4	8.8
10	25.0	23.8	24.3	14.1	12.8	13.3	12.0	11.5	11.7	8.9	8.4	8.7
11	23.8	22.3	22.8	15.0	13.2	14.0	12.0	11.4	11.7	9.8	8.8	9.2
12	22.5	21.6	21.9	15.8	14.4	14.9	11.5	10.8	11.1	10.4	9.8	10.1
13	21.6	21.1	21.3	18.8	15.8	17.2	11.1	10.7	10.8	---	---	---
14	21.4	20.7	21.0	21.1	18.6	20.0	11.1	10.4	10.7	---	---	---
15	21.7	20.9	21.3	21.1	20.4	20.8	10.6	10.1	10.3	---	---	---
16	21.8	21.1	21.4	22.1	20.1	20.9	10.3	9.7	10.0	---	---	---
17	21.8	21.2	21.4	21.7	20.3	21.0	10.0	9.5	9.8	---	---	---
18	22.0	21.3	21.6	20.3	19.1	19.6	10.0	9.6	9.8	---	---	---
19	22.3	21.7	22.0	19.8	18.6	19.1	10.1	9.8	9.9	10.0	9.0	9.4
20	23.1	22.0	22.5	19.1	17.5	18.1	10.1	9.8	9.9	9.0	8.1	8.5
21	23.2	22.2	22.7	17.5	16.2	16.8	10.1	9.6	9.8	9.0	8.3	8.6
22	22.2	20.2	21.1	16.2	15.1	15.5	9.8	8.8	9.3	9.3	8.7	8.9
23	20.3	19.4	19.8	15.3	14.2	14.7	8.8	8.5	8.7	9.8	9.2	9.4
24	19.9	19.5	19.7	15.0	14.2	14.5	8.5	7.9	8.3	10.8	9.8	10.2
25	20.2	19.5	19.7	15.0	14.3	14.5	8.3	7.6	7.9	12.2	10.5	11.3
26	20.9	20.0	20.3	14.9	14.2	14.5	8.4	7.7	8.0	13.4	11.9	12.5
27	21.0	20.2	20.5	14.2	13.4	13.8	8.8	7.9	8.3	15.4	12.6	14.4
28	20.5	19.8	20.1	13.4	12.3	12.7	9.3	8.5	8.9	15.6	14.6	15.2
29	19.9	19.6	19.8	12.6	11.6	12.1	9.4	9.2	9.3	14.6	12.6	13.6
30	19.8	17.0	18.6	12.6	11.7	12.0	9.3	8.8	9.0	12.6	11.5	12.0
31	17.0	14.7	15.6	---	---	---	9.0	8.4	8.7	11.5	10.7	11.0
MONTH	25.4	14.7	21.4	22.1	11.6	15.7	13.3	7.6	10.3	15.6	8.1	10.3

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.0	9.8	10.3	10.4	9.8	10.1	14.7	13.7	14.2	20.6	19.9	20.3
2	9.8	8.8	9.3	10.4	9.7	10.1	15.1	13.9	14.5	20.8	19.8	20.2
3	9.4	8.4	9.0	10.3	9.3	9.8	15.0	14.4	14.7	21.4	20.1	20.6
4	10.0	8.8	9.4	10.6	9.6	10.1	15.3	14.3	14.9	21.4	20.2	20.7
5	11.4	9.8	10.4	10.6	9.8	10.2	15.4	14.4	14.9	21.5	20.1	20.7
6	12.4	10.6	11.4	10.3	9.7	9.9	15.3	14.2	14.8	21.4	20.2	20.7
7	11.8	10.6	11.3	10.3	9.6	10.0	14.8	13.5	14.2	21.2	20.5	20.8
8	11.8	10.6	11.3	11.3	10.0	10.5	15.2	13.9	14.5	21.2	20.6	20.9
9	12.4	10.3	11.3	11.2	10.4	10.8	15.4	14.4	14.9	21.5	20.6	20.9
10	11.2	9.1	10.0	10.7	9.8	10.3	16.1	15.0	15.4	21.7	20.7	21.1
11	9.1	7.7	8.4	10.9	9.8	10.4	16.7	15.5	16.0	21.4	20.5	20.9
12	8.0	7.4	7.7	11.1	10.0	10.5	16.6	15.9	16.2	21.5	20.6	20.9
13	8.3	7.4	7.8	11.7	10.3	11.0	16.6	15.7	16.1	21.7	20.7	21.1
14	8.0	7.2	7.6	11.9	10.5	11.2	16.7	15.6	16.1	21.5	20.8	21.0
15	7.7	7.1	7.3	11.3	11.0	11.1	16.9	16.1	16.5	21.5	20.7	21.1
16	8.1	7.0	7.4	11.5	10.8	11.1	16.9	16.5	16.7	21.4	20.8	21.1
17	8.2	6.9	7.4	11.8	10.6	11.2	17.2	16.0	16.6	21.4	20.9	21.1
18	7.9	6.9	7.4	12.3	11.2	11.7	17.6	16.4	16.9	22.3	20.8	21.4
19	8.6	7.3	7.8	12.5	12.0	12.2	17.8	16.8	17.2	22.4	20.9	21.6
20	8.7	7.8	8.2	12.9	12.0	12.4	17.8	17.1	17.4	22.6	20.9	21.7
21	8.9	8.0	8.4	13.6	12.5	12.9	17.9	17.3	17.6	22.4	21.2	21.8
22	9.4	8.4	8.8	13.8	12.6	13.2	18.5	17.4	18.0	22.7	21.6	22.1
23	9.8	9.1	9.5	14.2	13.1	13.7	18.8	17.8	18.3	22.9	21.9	22.3
24	9.6	8.7	9.1	14.4	13.8	14.2	19.1	18.1	18.6	23.0	22.0	22.4
25	9.7	8.7	9.2	14.7	14.3	14.5	19.4	18.3	18.8	23.1	22.1	22.5
26	10.2	9.1	9.6	14.7	13.8	14.3	19.9	18.9	19.4	23.3	22.3	22.8
27	10.0	9.2	9.6	14.9	14.5	14.7	20.4	19.3	19.9	23.4	22.9	23.2
28	10.1	9.3	9.7	14.8	13.8	14.2	20.8	19.6	20.1	23.5	22.8	23.2
29	---	---	---	14.5	13.2	13.9	21.1	19.9	20.4	23.3	22.9	23.1
30	---	---	---	15.0	13.7	14.3	20.6	20.2	20.4	---	---	---
31	---	---	---	14.9	13.9	14.4	---	---	---	---	---	---
MONTH	12.4	6.9	9.1	15.0	9.3	11.9	21.1	13.5	16.8	23.5	19.8	21.5
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	31.2	30.0	30.5	---	---	---	---	---	---
2	---	---	---	31.3	29.4	30.4	---	---	---	---	---	---
3	---	---	---	31.5	29.7	30.6	---	---	---	---	---	---
4	---	---	---	31.4	30.1	30.6	---	---	---	---	---	---
5	---	---	---	31.3	29.9	30.4	---	---	---	---	---	---
6	---	---	---	32.0	29.7	30.8	---	---	---	---	---	---
7	---	---	---	31.6	30.4	30.9	---	---	---	---	---	---
8	---	---	---	30.4	29.4	29.8	---	---	---	---	---	---
9	---	---	---	29.4	28.7	29.0	---	---	---	---	---	---
10	---	---	---	29.0	28.4	28.6	---	---	---	---	---	---
11	---	---	---	28.5	27.7	28.1	30.6	28.7	29.5	---	---	---
12	---	---	---	28.6	27.3	27.8	30.7	28.9	29.8	---	---	---
13	---	---	---	27.7	26.9	27.3	30.7	29.0	29.8	---	---	---
14	---	---	---	28.5	26.9	27.5	31.0	29.2	30.1	---	---	---
15	28.6	27.6	28.0	28.5	27.8	28.1	31.3	29.6	30.5	---	---	---
16	28.9	27.8	28.3	28.9	27.4	28.0	31.5	29.6	30.5	---	---	---
17	29.6	28.4	28.8	29.6	28.3	28.9	31.6	29.7	30.5	---	---	---
18	29.3	28.1	28.7	29.6	28.5	29.0	32.3	29.6	30.7	---	---	---
19	29.5	28.2	28.7	29.9	28.9	29.4	32.1	29.9	30.8	---	---	---
20	29.6	28.3	28.8	30.3	28.9	29.6	31.7	29.9	30.6	---	---	---
21	29.4	28.4	28.9	30.2	29.4	29.8	30.3	29.6	30.0	---	---	---
22	29.1	28.4	28.7	30.1	29.4	29.7	31.9	29.1	30.1	---	---	---
23	28.9	28.2	28.5	29.5	28.5	29.1	31.7	29.3	30.1	---	---	---
24	28.2	26.6	27.4	29.5	28.0	28.7	31.6	29.1	30.2	---	---	---
25	28.6	26.3	27.2	30.7	29.0	29.7	31.7	29.6	30.6	---	---	---
26	30.1	27.9	28.9	30.7	29.7	30.2	32.3	29.7	30.8	---	---	---
27	31.3	28.9	29.9	---	---	---	32.3	29.8	30.8	---	---	---
28	31.7	29.5	30.4	---	---	---	32.4	30.0	31.0	---	---	---
29	30.9	30.0	30.4	---	---	---	32.7	30.2	31.1	---	---	---
30	31.1	29.6	30.4	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	32.0	26.9	29.3	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR JULY 1993 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JULY			AUGUST			SEPTEMBER		
1	--	--	--	--	--	--	2.5	2.0	2.2
2	--	--	--	--	--	--	--	--	--
3	--	--	--	4.3	3.7	4.0	--	--	--
4	--	--	--	4.6	3.9	4.2	--	--	--
5	--	--	--	4.8	4.3	4.5	--	--	--
6	--	--	--	4.8	4.2	4.5	--	--	--
7	--	--	--	4.9	4.5	4.7	--	--	--
8	--	--	--	5.1	4.5	4.8	4.9	.8	2.8
9	--	--	--	5.3	4.6	4.9	4.0	1.3	2.3
10	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--
14	6.2	1.5	3.3	--	--	--	--	--	--
15	5.2	2.0	3.2	--	--	--	--	--	--
16	5.5	1.7	3.4	--	--	--	--	--	--
17	6.9	1.9	4.1	--	--	--	--	--	--
18	7.4	2.0	4.6	4.4	4.0	4.3	--	--	--
19	7.5	1.7	3.9	4.3	3.7	4.1	--	--	--
20	5.3	1.2	2.9	3.9	3.5	3.8	--	--	--
21	--	--	--	3.6	3.2	3.4	--	--	--
22	--	--	--	3.4	3.1	3.2	--	--	--
23	--	--	--	3.2	2.8	3.0	--	--	--
24	--	--	--	3.1	2.9	3.0	--	--	--
25	--	--	--	3.3	2.8	3.0	--	--	--
26	--	--	--	3.1	2.6	2.8	--	--	--
27	--	--	--	2.8	2.3	2.5	--	--	--
28	--	--	--	2.4	2.3	2.4	--	--	--
29	--	--	--	2.4	2.2	2.3	--	--	--
30	--	--	--	2.8	2.1	2.3	--	--	--
31	--	--	--	2.6	2.0	2.2	--	--	--
MONTH	--	--	--	--	--	--	--	--	--

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	--	--	--	--	--	--	7.1	6.6	6.9	8.3	7.8	7.9
2	--	--	--	--	--	--	7.2	6.7	6.9	7.8	7.0	7.3
3	--	--	--	4.8	2.3	4.2	7.0	6.8	6.9	7.2	6.8	6.9
4	--	--	--	4.2	3.6	3.9	6.9	6.5	6.7	7.1	6.4	6.7
5	--	--	--	3.7	2.9	3.3	7.1	6.6	6.9	7.3	6.5	6.8
6	--	--	--	4.3	2.8	3.3	6.9	6.6	6.8	7.4	6.7	7.0
7	--	--	--	4.5	2.7	3.4	7.1	6.7	6.9	7.2	6.2	6.8
8	--	--	--	4.1	3.7	3.8	7.3	6.9	7.1	6.7	6.1	6.4
9	--	--	--	4.4	3.7	4.2	7.6	7.0	7.3	7.4	6.5	6.9
10	--	--	--	4.7	4.1	4.4	7.7	7.3	7.4	7.9	7.0	7.4
11	3.9	1.7	2.5	4.7	4.1	4.4	7.9	7.4	7.6	8.3	7.6	8.0
12	3.2	2.3	2.6	4.8	4.1	4.4	7.9	7.7	7.7	8.1	7.1	7.6
13	3.0	1.7	2.3	4.4	3.7	4.0	8.1	7.7	7.9	--	--	--
14	2.7	1.5	2.0	4.5	3.0	3.7	8.1	7.7	7.9	--	--	--
15	2.3	1.6	2.0	4.3	2.9	3.5	8.3	8.0	8.2	--	--	--
16	--	--	--	5.7	3.0	3.9	8.5	8.3	8.4	--	--	--
17	--	--	--	4.2	2.5	3.4	8.7	8.5	8.6	--	--	--
18	--	--	--	3.8	2.6	3.2	8.7	8.5	8.7	--	--	--
19	--	--	--	5.0	2.4	3.4	8.8	8.6	8.7	7.1	6.3	6.6
20	--	--	--	--	--	--	8.8	8.5	8.7	7.5	6.5	7.1
21	--	--	--	--	--	--	9.0	8.5	8.7	7.5	6.8	7.1
22	--	--	--	--	--	--	9.0	8.6	8.8	7.2	6.3	6.9
23	--	--	--	--	--	--	9.2	8.9	9.1	6.7	5.8	6.2
24	--	--	--	--	--	--	10.2	9.0	9.6	6.7	5.8	6.4
25	--	--	--	--	--	--	10.2	10.0	10.1	8.5	6.3	7.1
26	--	--	--	--	--	--	10.2	10.0	10.1	7.7	6.2	6.8
27	--	--	--	--	--	--	10.0	9.8	9.9	7.7	5.3	6.9
28	--	--	--	--	--	--	9.8	9.2	9.5	7.2	5.3	6.4
29	--	--	--	--	--	--	9.3	8.8	9.0	5.8	4.9	5.4
30	--	--	--	--	--	--	8.8	8.1	8.4	5.6	4.6	5.1
31	--	--	--	--	--	--	8.6	8.2	8.4	6.9	5.4	6.0
MONTH	--	--	--	--	--	--	10.2	6.5	8.2	8.5	4.6	6.8

MISSISSIPPI RIVER DELTA

0738153842 PIPELINE CANAL 13.7 MILES NORTHEAST OF LOREAUVILLE, LA—Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.6	6.7	7.1	9.8	9.6	9.7	8.7	8.1	8.4	6.1	5.6	5.9
2	8.2	7.5	7.7	10.0	9.5	9.7	8.7	7.9	8.3	6.0	5.6	5.8
3	8.4	7.3	7.9	10.2	9.6	9.9	8.4	7.9	8.2	6.0	5.7	5.8
4	8.2	7.6	7.9	10.2	9.5	9.8	8.6	7.9	8.2	6.1	5.6	5.8
5	8.0	7.5	7.7	10.1	9.6	9.8	8.4	7.7	8.0	6.2	5.5	5.8
6	8.2	7.6	7.9	9.9	9.6	9.7	8.2	7.7	8.0	6.2	5.4	5.8
7	8.4	7.8	8.1	9.9	9.5	9.7	8.7	7.9	8.2	5.9	5.5	5.8
8	8.5	7.9	8.2	9.9	9.5	9.6	8.5	7.9	8.2	5.7	5.2	5.5
9	9.2	8.3	8.8	9.7	9.4	9.5	8.4	7.8	8.1	5.5	5.0	5.2
10	9.8	8.9	9.4	10.0	9.5	9.7	8.5	7.9	8.2	5.3	4.8	5.0
11	10.2	9.4	9.9	9.8	9.4	9.6	8.5	7.9	8.2	5.0	4.6	4.8
12	10.4	9.9	10.2	9.7	9.3	9.5	8.3	7.9	8.1	4.8	4.4	4.6
13	10.5	10.3	10.4	9.7	9.2	9.4	8.4	7.8	8.1	4.7	4.3	4.4
14	10.6	10.3	10.5	9.7	9.2	9.4	8.2	7.8	8.0	4.6	4.2	4.4
15	10.6	10.2	10.5	9.4	9.2	9.3	8.1	7.7	7.9	4.4	4.1	4.2
16	10.6	10.3	10.5	9.6	9.0	9.3	8.1	7.8	8.0	4.4	4.0	4.2
17	10.6	10.2	10.5	9.7	9.0	9.3	8.3	7.7	8.0	4.3	4.0	4.2
18	10.6	10.5	10.5	10.1	9.0	9.5	8.2	7.7	7.9	4.3	3.9	4.1
19	10.6	10.4	10.5	9.8	9.2	9.5	8.1	7.6	7.8	4.5	4.0	4.2
20	10.6	10.2	10.5	9.7	9.0	9.3	8.0	7.6	7.8	4.6	4.1	4.3
21	10.5	10.1	10.4	9.4	8.9	9.1	7.9	7.6	7.7	4.4	4.1	4.2
22	10.5	10.0	10.3	9.5	8.7	9.0	7.7	7.5	7.6	4.5	4.2	4.3
23	10.3	10.0	10.2	9.1	8.5	8.8	7.6	7.2	7.4	4.6	4.2	4.4
24	10.3	9.9	10.1	8.9	8.4	8.6	7.3	6.8	7.1	4.6	4.2	4.4
25	10.4	9.9	10.1	8.8	8.4	8.5	7.1	6.4	6.8	4.6	4.0	4.3
26	10.4	9.9	10.1	8.4	8.1	8.3	6.8	6.4	6.6	4.6	4.0	4.3
27	10.3	9.9	10.1	8.3	8.1	8.2	6.6	6.2	6.5	4.4	4.1	4.3
28	10.2	9.8	9.9	8.3	7.9	8.1	6.5	6.0	6.3	4.3	4.0	4.1
29	—	—	—	8.4	7.9	8.2	6.5	6.1	6.2	4.1	3.7	3.9
30	—	—	—	8.5	8.1	8.3	6.2	5.9	6.1	—	—	—
31	—	—	—	8.7	8.1	8.4	—	—	—	—	—	—
MONTH	10.6	6.7	9.5	10.2	7.9	9.2	8.7	5.9	7.7	6.2	3.7	4.8
	JUNE			JULY			AUGUST			SEPTEMBER		
1	—	—	—	2.9	.2	1.4	—	—	—	—	—	—
2	—	—	—	3.3	.2	1.6	—	—	—	—	—	—
3	—	—	—	4.2	.5	2.3	—	—	—	—	—	—
4	—	—	—	4.3	.7	2.2	—	—	—	—	—	—
5	—	—	—	3.6	.2	1.5	—	—	—	—	—	—
6	—	—	—	4.2	.4	2.2	—	—	—	—	—	—
7	—	—	—	4.2	1.1	2.5	—	—	—	—	—	—
8	—	—	—	3.2	.2	1.4	—	—	—	—	—	—
9	—	—	—	3.0	.5	1.3	—	—	—	—	—	—
10	—	—	—	5.0	.3	1.8	—	—	—	—	—	—
11	—	—	—	2.9	.5	1.1	5.5	2.6	4.0	—	—	—
12	—	—	—	2.8	.6	1.3	5.1	1.5	3.3	—	—	—
13	—	—	—	1.5	.4	.6	4.4	.6	2.7	—	—	—
14	—	—	—	2.0	.4	.8	4.4	.7	2.5	—	—	—
15	1.2	.3	.8	3.7	.5	1.9	3.2	.6	2.1	—	—	—
16	.9	.1	.4	2.9	.5	1.5	3.5	.3	1.8	—	—	—
17	1.0	.1	.4	2.5	.8	1.6	3.3	.2	1.3	—	—	—
18	1.2	.0	.5	2.3	.8	1.2	6.2	.8	2.7	—	—	—
19	1.2	.0	.5	1.6	.6	1.0	4.8	.7	2.3	—	—	—
20	1.4	.0	.4	2.9	.7	1.4	4.0	.4	1.6	—	—	—
21	1.3	.1	.4	2.8	.9	1.8	1.7	.2	.8	—	—	—
22	1.7	.1	.7	3.5	1.4	2.3	2.8	.1	1.0	—	—	—
23	4.1	.2	1.2	2.4	.6	1.1	4.3	.2	1.5	—	—	—
24	1.7	.0	.6	3.2	.9	1.7	2.7	.4	1.5	—	—	—
25	2.5	.1	.9	4.4	1.7	3.1	3.8	.7	2.1	—	—	—
26	6.2	1.0	3.1	4.1	1.8	2.5	3.1	.2	1.3	—	—	—
27	5.7	1.5	3.2	—	—	—	2.6	.1	.9	—	—	—
28	3.9	1.1	2.2	—	—	—	3.9	.4	1.7	—	—	—
29	2.1	.4	1.1	—	—	—	4.8	.3	1.9	—	—	—
30	2.7	.1	1.1	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—
MONTH	—	—	—	5.0	.2	1.7	—	—	—	—	—	—

MISSISSIPPI RIVER DELTA

0738153843 SI-BON CANAL 9.3 MILES NORTHEAST OF LOREAUVILLE, LA

LOCATION.—Lat 30 ° 02'40", long 91 ° 34'25", in sec.32, T.11 S., R.9 E., St. Martin Parish, Hydrologic Unit 08080101, on a four-pile platform 10.2 miles east of Loreauville, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—August 1993 to current year.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Gage datum is to an assumed elevation.

REMARKS.—Water level below recordable stage Oct.27 to Nov. 23, Jan.8-17, June 11 to Sept. 30.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height recorded, 12.77 ft, May 10-13, 1994, minimum recorded, 5.81 ft, Jan. 19, 1994.

EXTREMES FOR CURRENT YEAR.—Maximum gage height recorded, 12.77 ft, May 10-13, but may have been higher during periods of missing record; minimum gage height recorded, 5.81 ft, Jan. 19, but may have been lower during periods of missing record..

GAGE HEIGHT, FEET, WATER YEAR AUGUST 1993 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	AUG	SEP
1	---	9.93
2	---	9.93
3	---	9.93
4	---	9.92
5	8.92	9.91
6	8.92	9.91
7	8.94	9.89
8	8.95	9.88
9	8.97	9.87
10	8.99	9.85
11	9.02	9.83
12	9.04	9.80
13	9.14	9.77
14	9.35	9.75
15	9.50	9.73
16	9.60	9.69
17	9.67	9.66
18	9.73	9.62
19	9.77	9.59
20	9.80	9.55
21	9.83	9.51
22	9.85	9.47
23	9.87	9.41
24	9.89	9.35
25	9.90	9.25
26	9.91	9.16
27	9.91	9.06
28	9.92	8.92
29	9.93	8.77
30	9.93	8.62
31	9.93	---
MAX	9.93	9.93
MIN	8.92	8.62

MISSISSIPPI RIVER DELTA

0738153843 SI-BON CANAL 9.3 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.11	---	8.62	7.70	---	---	11.75	12.46	10.26	---	---	---
2	6.24	---	8.78	7.48	---	---	11.62	12.49	9.72	---	---	---
3	6.37	---	8.85	7.23	---	---	11.49	12.56	9.16	---	---	---
4	6.49	---	8.87	6.94	---	---	11.39	12.59	---	---	---	---
5	6.66	---	8.85	6.64	---	---	11.31	12.61	---	---	---	---
6	6.92	---	8.85	6.39	---	---	11.29	12.63	---	---	---	---
7	7.16	---	8.86	6.15	---	---	11.26	12.66	---	---	---	---
8	7.36	---	8.84	---	---	---	11.20	12.68	---	---	---	---
9	7.55	---	8.86	---	---	---	11.17	12.72	---	---	---	---
10	7.69	---	8.99	---	---	---	11.16	12.76	---	---	---	---
11	7.79	---	9.10	---	---	---	11.12	12.77	---	---	---	---
12	7.90	---	9.15	---	---	---	11.17	12.76	---	---	---	---
13	8.01	---	---	---	---	---	11.18	12.75	---	---	---	---
14	8.10	---	---	---	---	---	11.17	12.73	---	---	---	---
15	8.10	---	---	---	10.48	---	11.22	12.68	---	---	---	---
16	8.03	---	---	---	10.60	12.06	11.42	12.62	---	---	---	---
17	7.96	---	---	---	10.69	12.06	11.49	12.56	---	---	---	---
18	7.86	---	---	---	10.74	12.09	11.52	12.44	---	---	---	---
19	7.68	---	---	5.92	10.77	12.15	11.57	12.29	---	---	---	---
20	7.41	---	---	---	10.77	12.20	11.65	12.16	---	---	---	---
21	7.13	---	---	---	10.76	12.21	11.74	12.07	---	---	---	---
22	6.80	---	9.97	---	10.75	12.19	11.79	11.97	---	---	---	---
23	6.52	---	9.97	---	10.79	12.15	11.86	11.86	---	---	---	---
24	6.42	---	9.91	---	10.80	12.09	11.93	11.76	---	---	---	---
25	6.39	---	9.80	---	10.78	12.02	11.97	11.65	---	---	---	---
26	6.30	---	9.64	---	10.78	11.99	12.01	11.53	---	---	---	---
27	---	---	9.41	---	10.79	12.00	12.09	11.38	---	---	---	---
28	---	---	9.09	---	---	11.98	12.18	11.21	---	---	---	---
29	---	---	8.70	---	---	11.92	12.24	11.03	---	---	---	---
30	---	---	8.27	---	---	11.85	12.36	10.85	---	---	---	---
31	---	---	7.96	---	---	11.82	---	10.63	---	---	---	---
MAX	8.10	---	9.97	7.70	10.80	12.21	12.36	12.77	10.26	---	---	---
MIN	6.11	---	7.96	5.92	10.48	11.82	11.12	10.63	9.16	---	---	---

MISSISSIPPI RIVER DELTA

0738153843 SI-BON CANAL 9.3 MILES NORTHEAST OF LOREAUVILLE, LA—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	—	—	—	—	—	—	—	—	—	276	268	272
2	—	—	—	—	—	—	—	—	—	279	273	276
3	—	—	—	—	—	—	—	—	—	279	272	275
4	—	—	—	—	—	—	—	—	—	277	270	273
5	—	—	—	—	—	—	—	—	—	322	272	282
6	—	—	—	—	—	—	—	—	—	322	310	316
7	—	—	—	—	—	—	—	—	—	310	298	303
8	344	337	340	—	—	—	—	—	—	299	292	296
9	348	335	342	—	—	—	—	—	—	303	295	299
10	344	335	340	—	—	—	—	—	—	306	291	300
11	345	339	340	—	—	—	—	—	—	—	—	—
12	347	337	343	—	—	—	—	—	—	—	—	—
13	341	336	338	—	—	—	—	—	—	—	—	—
14	345	341	340	—	—	—	—	—	—	—	—	—
15	346	342	344	—	—	—	—	—	—	—	—	—
16	349	345	347	—	—	—	—	—	—	—	—	—
17	353	348	350	—	—	—	—	—	—	—	—	—
18	362	353	358	—	—	—	—	—	—	362	350	372
19	367	362	364	—	—	—	—	—	—	362	358	360
20	—	—	—	—	—	—	—	—	—	360	333	348
21	—	—	—	—	—	—	—	—	—	333	323	326
22	—	—	—	—	—	—	273	270	272	335	326	331
23	—	—	—	—	—	—	270	268	269	334	323	330
24	—	—	—	—	—	—	268	261	265	323	315	318
25	—	—	—	—	—	—	261	258	259	316	301	309
26	—	—	—	—	—	—	261	257	259	301	297	298
27	—	—	—	—	—	—	263	259	261	300	287	296
28	—	—	—	—	—	—	268	262	266	308	299	304
29	—	—	—	—	—	—	276	267	273	303	267	291
30	—	—	—	—	—	—	278	271	275	267	229	248
31	—	—	—	—	—	—	276	269	272	229	208	216
MONTH	—	—	—	—	—	—	—	—	—	—	—	—
	FEBRUARY			MARCH			APRIL			MAY		
1	211	208	209	—	—	—	282	277	280	290	282	287
2	214	209	212	—	—	—	288	281	285	291	288	290
3	212	211	212	—	—	—	292	282	288	293	290	291
4	212	209	211	—	—	—	293	289	291	295	292	294
5	214	211	213	—	—	—	295	291	293	295	292	294
6	220	214	217	—	—	—	301	290	294	296	293	295
7	220	214	217	—	—	—	290	277	285	300	295	297
8	216	209	212	—	—	—	277	269	275	308	299	304
9	220	210	214	—	—	—	270	264	267	323	308	312
10	224	219	222	—	—	—	264	259	262	337	320	330
11	227	220	224	—	—	—	259	254	257	320	312	315
12	229	223	227	—	—	—	256	251	253	314	309	312
13	228	221	225	—	—	—	255	250	253	315	313	314
14	—	—	—	—	—	—	252	250	251	314	309	312
15	—	—	—	—	—	—	252	248	251	309	308	309
16	—	—	—	—	—	—	250	248	249	309	308	308
17	—	—	—	—	—	—	250	244	247	310	305	309
18	—	—	—	—	—	—	253	247	251	315	309	312
19	—	—	—	264	260	262	258	252	254	318	312	315
20	—	—	—	264	261	262	275	258	267	318	315	317
21	—	—	—	264	261	263	276	272	274	317	313	315
22	—	—	—	264	262	263	281	276	278	319	315	317
23	—	—	—	263	253	259	281	276	278	322	316	318
24	—	—	—	258	257	257	278	273	275	320	313	316
25	—	—	—	259	257	258	274	269	271	319	311	315
26	—	—	—	259	244	257	275	268	269	319	311	314
27	—	—	—	262	249	259	271	270	271	318	311	314
28	—	—	—	264	260	262	276	271	274	323	314	317
29	—	—	—	266	263	265	280	275	278	320	311	315
30	—	—	—	269	265	267	284	280	281	—	—	—
31	—	—	—	278	268	274	—	—	—	—	—	—
MONTH	—	—	—	—	—	—	301	244	270	337	282	309

MISSISSIPPI RIVER DELTA

0738153843 SI-BON CANAL 9.3 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	--	--	--	--	--	--	--	--	--	7.5	7.1	7.3
2	--	--	--	--	--	--	--	--	--	7.3	7.1	7.2
3	--	--	--	--	--	--	--	--	--	7.3	7.2	7.3
4	--	--	--	--	--	--	--	--	--	7.3	7.2	7.3
5	--	--	--	--	--	--	--	--	--	7.4	7.1	7.3
6	--	--	--	--	--	--	--	--	--	7.1	6.9	6.9
7	--	--	--	--	--	--	--	--	--	6.9	6.8	6.9
8	8.0	7.6	7.8	--	--	--	--	--	--	6.9	6.8	6.8
9	7.9	7.6	7.7	--	--	--	--	--	--	6.9	6.8	6.8
10	7.9	7.4	7.7	--	--	--	--	--	--	6.9	6.7	6.9
11	8.2	7.6	7.8	--	--	--	--	--	--	7.5	6.6	6.6
12	8.0	7.5	7.8	--	--	--	--	--	--	--	--	--
13	8.1	7.5	7.8	--	--	--	--	--	--	--	--	--
14	8.0	7.6	7.7	--	--	--	--	--	--	--	--	--
15	8.0	7.6	7.7	--	--	--	--	--	--	--	--	--
16	8.0	7.8	7.9	--	--	--	--	--	--	--	--	--
17	8.1	7.7	7.9	--	--	--	--	--	--	--	--	--
18	8.0	7.7	7.9	--	--	--	--	--	--	7.6	6.9	7.4
19	8.1	7.8	7.9	--	--	--	--	--	--	7.5	7.5	7.5
20	--	--	--	--	--	--	--	--	--	7.5	7.4	7.5
21	--	--	--	--	--	--	--	--	--	7.5	7.4	7.5
22	--	--	--	--	--	--	7.6	7.3	7.5	7.5	7.4	7.5
23	--	--	--	--	--	--	7.6	7.3	7.5	7.6	7.5	7.5
24	--	--	--	--	--	--	7.5	7.3	7.4	7.6	7.5	7.6
25	--	--	--	--	--	--	7.5	7.2	7.4	7.6	7.5	7.6
26	--	--	--	--	--	--	7.6	7.3	7.4	7.5	7.4	7.5
27	--	--	--	--	--	--	7.5	7.3	7.4	7.6	7.4	7.5
28	--	--	--	--	--	--	7.5	7.2	7.3	7.7	7.5	7.6
29	--	--	--	--	--	--	7.4	7.2	7.3	7.7	7.6	7.7
30	--	--	--	--	--	--	7.4	7.3	7.3	7.6	7.4	7.5
31	--	--	--	--	--	--	7.4	7.2	7.3	7.6	7.4	7.5
MONTH	--	--	--	--	--	--	--	--	--	--	--	--
	FEBRUARY			MARCH			APRIL			MAY		
1	7.5	7.3	7.4	--	--	--	7.4	7.4	7.4	7.6	7.6	7.6
2	7.5	7.4	7.4	--	--	--	7.4	7.4	7.4	7.7	7.6	7.6
3	7.5	7.4	7.5	--	--	--	7.4	7.3	7.4	7.7	7.6	7.6
4	7.5	7.3	7.5	--	--	--	7.4	7.3	7.3	7.7	7.6	7.7
5	7.5	7.4	7.5	--	--	--	7.3	7.3	7.3	7.7	7.6	7.7
6	7.5	7.4	7.5	--	--	--	7.4	7.2	7.3	7.7	7.6	7.7
7	7.5	7.4	7.5	--	--	--	7.3	7.3	7.3	7.7	7.7	7.7
8	7.5	7.4	7.5	--	--	--	7.3	7.2	7.2	7.7	7.7	7.7
9	7.5	7.4	7.5	--	--	--	7.3	7.1	7.2	7.7	7.7	7.7
10	7.6	7.4	7.5	--	--	--	7.1	7.1	7.1	7.8	7.7	7.8
11	7.6	7.5	7.6	--	--	--	7.1	7.1	7.1	7.8	7.7	7.8
12	7.6	7.5	7.6	--	--	--	7.1	7.0	7.1	7.8	7.7	7.8
13	7.6	7.5	7.6	--	--	--	7.0	7.0	7.0	7.8	7.8	7.8
14	--	--	--	--	--	--	7.0	7.0	7.0	7.8	7.8	7.8
15	--	--	--	--	--	--	7.0	6.9	7.0	7.8	7.8	7.8
16	--	--	--	--	--	--	7.0	6.9	7.0	7.8	7.8	7.8
17	--	--	--	--	--	--	7.0	6.9	7.0	7.8	7.8	7.8
18	--	--	--	--	--	--	7.0	6.9	6.9	7.8	7.8	7.8
19	--	--	--	7.5	7.4	7.4	6.9	6.9	6.9	7.9	7.8	7.8
20	--	--	--	7.5	7.4	7.5	7.2	6.9	7.0	7.9	7.8	7.9
21	--	--	--	7.6	7.5	7.5	7.3	7.2	7.3	7.9	7.8	7.9
22	--	--	--	7.6	7.5	7.6	7.4	7.3	7.4	7.9	7.8	7.9
23	--	--	--	7.5	7.5	7.5	7.5	7.4	7.4	7.9	7.9	7.9
24	--	--	--	7.6	7.5	7.5	7.5	7.4	7.4	7.9	7.9	7.9
25	--	--	--	7.6	7.5	7.6	7.5	7.4	7.5	7.9	7.9	7.9
26	--	--	--	7.5	7.5	7.5	7.5	7.5	7.5	7.9	7.9	7.9
27	--	--	--	7.6	7.5	7.5	7.5	7.5	7.5	7.9	7.9	7.9
28	--	--	--	7.6	7.4	7.5	7.6	7.5	7.6	8.0	7.9	7.9
29	--	--	--	7.5	7.4	7.4	7.6	7.6	7.6	7.9	7.9	7.9
30	--	--	--	7.5	7.4	7.5	7.6	7.6	7.6	--	--	--
31	--	--	--	7.5	7.4	7.5	--	--	--	--	--	--
MONTH	--	--	--	--	--	--	7.6	6.9	7.3	8.0	7.6	7.8

MISSISSIPPI RIVER DELTA

0738153843 SI-BON CANAL 9.3 MILES NORTHEAST OF LOREAUVILLE, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	—	—	—	—	—	—	—	—	—	8.7	8.4	8.5
2	—	—	—	—	—	—	—	—	—	8.7	8.4	8.5
3	—	—	—	—	—	—	—	—	—	8.5	8.1	8.3
4	—	—	—	—	—	—	—	—	—	8.6	7.7	8.1
5	—	—	—	—	—	—	—	—	—	9.0	6.6	7.9
6	—	—	—	—	—	—	—	—	—	11.4	7.9	9.6
7	—	—	—	—	—	—	—	—	—	10.3	8.2	9.7
8	21.6	21.0	21.2	—	—	—	—	—	—	10.1	6.8	8.1
9	21.2	20.6	21.0	—	—	—	—	—	—	10.0	6.4	7.7
10	20.9	20.2	20.5	—	—	—	—	—	—	9.9	6.7	7.9
11	20.5	19.9	20.1	—	—	—	—	—	—	10.2	7.9	8.2
12	20.0	19.4	19.8	—	—	—	—	—	—	—	—	—
13	19.5	19.4	19.4	—	—	—	—	—	—	—	—	—
14	21.9	19.3	19.5	—	—	—	—	—	—	—	—	—
15	19.9	19.4	19.6	—	—	—	—	—	—	—	—	—
16	20.1	19.4	19.7	—	—	—	—	—	—	—	—	—
17	20.0	19.4	19.7	—	—	—	—	—	—	—	—	—
18	20.2	19.5	19.8	—	—	—	—	—	—	6.5	4.8	5.9
19	20.6	19.6	20.0	—	—	—	—	—	—	5.5	4.7	5.2
20	—	—	—	—	—	—	—	—	—	6.0	5.1	5.5
21	—	—	—	—	—	—	—	—	—	5.8	5.2	5.4
22	—	—	—	—	—	—	9.2	8.8	9.0	5.3	4.7	5.0
23	—	—	—	—	—	—	8.8	8.6	8.7	5.1	4.5	4.7
24	—	—	—	—	—	—	8.6	8.2	8.3	5.1	4.3	4.7
25	—	—	—	—	—	—	8.4	8.0	8.2	6.1	4.8	5.5
26	—	—	—	—	—	—	8.5	8.0	8.2	7.2	5.9	6.5
27	—	—	—	—	—	—	8.8	8.1	8.4	9.1	7.2	8.0
28	—	—	—	—	—	—	9.0	8.5	8.7	8.0	6.0	6.9
29	—	—	—	—	—	—	8.9	8.7	8.8	6.5	5.7	6.0
30	—	—	—	—	—	—	8.8	8.3	8.6	7.9	6.5	7.4
31	—	—	—	—	—	—	8.7	8.2	8.5	8.8	7.9	8.3
MONTH	—	—	—	—	—	—	—	—	—	—	—	—
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.8	8.4	8.6	—	—	—	14.6	13.9	14.2	20.3	20.0	20.2
2	8.7	8.1	8.4	—	—	—	15.0	14.2	14.5	20.4	20.0	20.2
3	8.3	7.9	8.1	—	—	—	14.7	14.5	14.6	20.7	20.2	20.5
4	8.3	7.9	8.1	—	—	—	15.1	14.3	14.7	20.5	20.1	20.3
5	8.8	8.2	8.4	—	—	—	15.3	14.8	15.0	20.6	20.0	20.3
6	8.5	8.0	8.2	—	—	—	15.2	14.2	14.7	20.8	20.1	20.4
7	8.5	8.0	8.2	—	—	—	14.8	13.9	14.4	20.6	20.2	20.5
8	9.4	8.4	9.0	—	—	—	15.2	14.3	14.8	20.8	20.5	20.6
9	9.5	9.1	9.3	—	—	—	15.2	14.7	15.0	21.0	20.4	20.7
10	9.1	8.2	8.6	—	—	—	15.9	15.1	15.5	20.8	20.5	20.6
11	8.2	7.8	8.0	—	—	—	16.4	15.7	16.0	20.9	20.4	20.7
12	8.0	7.5	7.8	—	—	—	16.3	16.1	16.2	21.2	20.5	20.8
13	8.1	7.7	7.9	—	—	—	16.6	16.0	16.3	21.2	20.6	20.9
14	—	—	—	—	—	—	16.7	16.3	16.5	21.3	20.7	21.0
15	—	—	—	—	—	—	17.1	16.6	16.9	21.2	20.9	21.1
16	—	—	—	—	—	—	16.9	16.7	16.8	21.2	21.0	21.1
17	—	—	—	—	—	—	17.4	16.6	17.0	21.2	21.0	21.2
18	—	—	—	—	—	—	17.6	17.0	17.3	21.7	21.1	21.4
19	—	—	—	12.6	12.0	12.3	17.7	17.1	17.4	21.8	21.2	21.5
20	—	—	—	13.0	12.3	12.7	17.8	17.4	17.6	21.8	21.2	21.5
21	—	—	—	13.2	12.8	13.0	18.0	17.6	17.7	21.9	21.3	21.6
22	—	—	—	13.7	12.8	13.2	18.3	17.8	18.0	22.1	21.5	21.8
23	—	—	—	14.2	13.5	13.8	18.6	18.0	18.3	22.3	21.6	22.0
24	—	—	—	14.5	14.0	14.2	18.8	18.2	18.5	22.5	21.9	22.2
25	—	—	—	14.4	14.2	14.3	19.3	18.6	18.9	22.6	22.0	22.3
26	—	—	—	14.8	14.2	14.4	19.8	19.0	19.4	23.0	22.3	22.6
27	—	—	—	15.1	14.6	14.8	20.1	19.4	19.7	23.0	22.6	22.8
28	—	—	—	14.7	14.1	14.4	20.4	19.6	20.0	23.1	22.7	22.9
29	—	—	—	14.6	13.9	14.3	20.6	19.9	20.2	23.1	22.8	22.9
30	—	—	—	14.6	14.0	14.3	20.4	20.2	20.3	—	—	—
31	—	—	—	14.4	13.9	14.2	—	—	—	—	—	—
MONTH	—	—	—	—	—	—	20.6	13.9	16.9	23.1	20.0	21.3

MISSISSIPPI RIVER DELTA

0738153843 SI-BON CANAL 9.3 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	--	--	--	--	--	--	--	--	--	9.7	9.5	9.6
2	--	--	--	--	--	--	--	--	--	9.7	9.4	9.6
3	--	--	--	--	--	--	--	--	--	9.8	9.4	9.6
4	--	--	--	--	--	--	--	--	--	9.6	9.3	9.5
5	--	--	--	--	--	--	--	--	--	10.2	7.1	9.7
6	--	--	--	--	--	--	--	--	--	7.1	5.1	6.0
7	--	--	--	--	--	--	--	--	--	6.1	4.3	5.3
8	6.7	6.5	6.6	--	--	--	--	--	--	6.2	5.1	5.7
9	6.6	6.5	6.6	--	--	--	--	--	--	6.9	5.5	6.2
10	6.6	6.5	6.5	--	--	--	--	--	--	8.1	5.8	7.0
11	6.6	6.5	6.5	--	--	--	--	--	--	7.3	5.3	6.2
12	6.5	6.4	6.4	--	--	--	--	--	--	--	--	--
13	6.4	6.2	6.3	--	--	--	--	--	--	--	--	--
14	7.1	6.2	6.2	--	--	--	--	--	--	--	--	--
15	6.2	5.8	6.0	--	--	--	--	--	--	--	--	--
16	5.9	5.6	5.7	--	--	--	--	--	--	--	--	--
17	5.6	5.4	5.5	--	--	--	--	--	--	12.3	6.9	12.0
18	5.5	5.2	5.4	--	--	--	--	--	--	13.7	12.3	12.9
19	5.2	4.9	5.1	--	--	--	--	--	--	13.9	13.6	13.8
20	--	--	--	--	--	--	--	--	--	13.9	13.0	13.4
21	--	--	--	--	--	--	--	--	--	13.6	13.0	13.3
22	--	--	--	--	--	--	10.6	10.4	10.5	14.1	13.1	13.6
23	--	--	--	--	--	--	10.6	10.4	10.5	14.1	13.4	13.6
24	--	--	--	--	--	--	10.6	10.2	10.4	13.9	13.3	13.5
25	--	--	--	--	--	--	10.5	10.1	10.3	13.4	12.5	13.0
26	--	--	--	--	--	--	10.4	10.1	10.3	12.5	12.1	12.3
27	--	--	--	--	--	--	10.4	10.0	10.2	12.2	11.7	11.9
28	--	--	--	--	--	--	10.1	9.6	9.8	12.9	11.9	12.5
29	--	--	--	--	--	--	9.7	9.4	9.6	13.0	12.3	12.8
30	--	--	--	--	--	--	9.5	9.2	9.3	12.3	11.3	11.7
31	--	--	--	--	--	--	9.7	9.4	9.5	11.3	10.6	10.9
MONTH	--	--	--	--	--	--	--	--	--	14.1	4.3	10.6
	FEBRUARY			MARCH			APRIL			MAY		
1	10.6	10.4	10.5	--	--	--	7.9	7.6	7.7	5.8	5.6	5.7
2	10.6	10.4	10.5	--	--	--	7.7	7.5	7.6	5.8	5.6	5.7
3	10.7	10.5	10.6	--	--	--	7.7	7.3	7.6	5.8	5.6	5.7
4	10.8	10.5	10.6	--	--	--	7.7	7.5	7.6	5.9	5.7	5.8
5	10.7	10.5	10.6	--	--	--	7.6	7.3	7.4	5.9	5.7	5.8
6	10.8	10.6	10.7	--	--	--	7.8	7.3	7.6	5.8	5.6	5.7
7	10.8	10.3	10.5	--	--	--	7.9	7.7	7.8	5.8	5.6	5.7
8	10.4	10.1	10.3	--	--	--	7.7	7.4	7.6	5.7	5.5	5.6
9	10.6	10.3	10.4	--	--	--	7.6	7.4	7.5	5.6	5.4	5.5
10	10.9	10.5	10.6	--	--	--	7.5	7.3	7.4	5.5	5.3	5.4
11	10.9	10.5	10.8	--	--	--	7.3	7.1	7.2	5.3	5.2	5.3
12	11.0	10.6	10.8	--	--	--	7.4	7.1	7.2	5.3	5.1	5.2
13	10.9	10.5	10.8	--	--	--	7.1	6.9	7.1	5.2	5.0	5.1
14	--	--	--	--	--	--	7.0	6.9	6.9	5.2	5.0	5.0
15	--	--	--	--	--	--	7.1	6.8	6.9	5.1	4.9	5.0
16	--	--	--	--	--	--	7.1	6.9	7.0	5.1	4.8	5.0
17	--	--	--	--	--	--	7.0	6.8	6.9	5.1	4.9	5.0
18	--	--	--	--	--	--	6.8	6.6	6.7	5.0	4.8	4.9
19	--	--	--	8.8	8.7	8.7	6.8	6.6	6.7	5.1	4.7	4.9
20	--	--	--	8.7	8.5	8.6	7.2	6.6	6.8	5.0	4.8	4.9
21	--	--	--	8.5	8.3	8.4	7.1	6.8	6.9	4.9	4.7	4.8
22	--	--	--	8.5	8.3	8.4	6.8	6.6	6.7	4.9	4.6	4.8
23	--	--	--	8.3	8.1	8.2	6.7	6.4	6.6	4.9	4.6	4.7
24	--	--	--	8.2	8.0	8.1	6.4	6.2	6.3	4.9	4.5	4.6
25	--	--	--	8.2	7.9	8.0	6.3	6.1	6.2	4.7	4.5	4.6
26	--	--	--	8.0	7.7	7.8	6.1	6.0	6.0	4.7	4.4	4.5
27	--	--	--	7.9	7.5	7.7	6.0	5.8	5.9	4.8	4.4	4.5
28	--	--	--	7.8	7.6	7.7	5.9	5.7	5.8	4.7	4.4	4.6
29	--	--	--	7.8	7.5	7.6	5.8	5.6	5.7	4.5	4.1	4.3
30	--	--	--	7.8	7.5	7.7	6.1	5.6	5.7	--	--	--
31	--	--	--	7.9	7.7	7.8	--	--	--	--	--	--
MONTH	--	--	--	--	--	--	7.9	5.6	6.9	5.9	4.1	5.1

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, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—August 1993 to current year.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Gage datum is to an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height recorded, 12.70 ft, May 10, 11, 1994, minimum recorded, 2.14 ft, Sept. 25, 1994.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height recorded, 12.70 ft, May 10, 11, 1994, but may have been higher during periods of missing record; minimum gage height recorded, 2.14 ft, Sept. 25, 1994, but may have been lower during periods of missing record.

GAGE HEIGHT, FEET, WATER YEAR AUGUST 1993 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	AUG	SEP
1	---	---
2	---	---
3	---	---
4	---	---
5	---	---
6	---	---
7	---	---
8	---	---
9	---	---
10	---	---
11	---	6.84
12	---	6.64
13	---	6.51
14	---	6.44
15	9.62	6.42
16	9.65	6.27
17	9.68	6.13
18	9.69	6.04
19	---	6.00
20	---	5.99
21	---	5.94
22	---	5.89
23	---	5.84
24	---	5.80
25	---	5.76
26	---	5.77
27	---	5.82
28	---	5.81
29	---	5.79
30	---	5.79
31	---	---
MEAN	9.66	6.07

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.82	6.02	8.29	7.71	7.18	10.80	11.69	12.46	9.90	---	---	2.81
2	5.92	5.87	8.52	7.51	7.27	10.97	11.55	12.48	9.42	---	4.53	2.81
3	6.02	5.74	8.66	7.28	7.40	11.07	11.40	12.50	8.89	---	4.52	2.81
4	6.15	5.60	8.73	7.06	7.57	11.20	11.29	12.51	8.42	---	4.49	2.81
5	6.27	5.53	8.71	6.82	7.76	11.28	11.21	12.51	7.99	---	4.43	2.80
6	6.44	5.42	8.68	6.62	7.97	11.34	11.18	12.51	7.65	---	4.44	2.79
7	6.69	5.26	8.68	6.40	8.14	11.40	11.16	12.51	7.33	---	4.44	2.69
8	6.92	5.13	8.68	6.18	8.38	11.47	11.09	12.56	7.00	---	4.44	2.63
9	7.15	5.05	8.68	6.01	8.63	11.58	11.04	12.67	6.68	---	4.45	2.62
10	7.32	4.94	8.78	5.84	8.98	11.70	11.04	12.70	6.51	---	4.42	2.61
11	7.44	4.82	8.88	5.71	9.33	11.76	11.00	12.70	6.28	---	4.37	2.60
12	7.55	4.72	8.95	5.58	9.64	11.83	11.04	12.68	6.10	---	4.31	2.60
13	7.70	4.62	9.05	5.53	9.88	11.88	11.06	12.66	5.97	---	4.29	2.57
14	7.81	4.54	9.19	5.45	10.08	11.95	11.05	12.64	---	---	4.23	2.47
15	7.85	4.55	9.27	5.39	10.24	12.02	11.11	12.57	---	---	4.13	2.41
16	7.85	4.60	9.35	5.29	10.35	12.04	11.30	12.50	---	---	3.71	2.41
17	7.81	4.65	9.50	5.39	10.46	12.04	11.38	12.41	---	---	3.28	2.44
18	7.75	4.66	9.60	5.48	10.52	12.07	11.42	12.31	---	---	3.21	2.44
19	7.63	4.69	9.70	5.56	10.57	12.13	11.47	12.14	---	---	3.15	2.43
20	7.44	4.83	9.72	5.73	10.57	12.19	11.55	12.00	---	---	3.14	2.42
21	7.24	4.85	9.76	5.89	10.56	12.20	11.60	11.89	---	---	3.14	2.40
22	6.99	4.93	9.79	6.10	10.56	12.19	11.61	11.75	---	---	3.15	2.31
23	6.73	5.14	9.81	6.29	10.61	12.16	11.79	11.62	---	---	3.14	2.21
24	6.52	5.48	9.77	6.49	10.61	12.09	11.90	11.46	---	---	3.15	2.18
25	6.40	5.88	9.67	6.62	10.59	12.00	11.95	11.34	---	---	3.24	2.15
26	6.33	5.97	9.52	6.64	10.58	11.98	12.00	11.20	---	---	3.22	2.16
27	6.20	---	9.32	6.66	10.59	11.99	12.10	11.03	---	---	3.11	2.18
28	6.04	---	9.05	6.71	10.64	11.97	12.23	10.85	---	---	2.93	2.19
29	6.15	---	8.71	6.86	---	11.90	12.26	10.65	---	---	2.88	2.18
30	6.34	---	8.30	7.00	---	11.82	12.36	10.45	---	---	2.86	2.18
31	6.18	---	7.96	7.10	---	11.77	---	10.22	---	---	2.82	---
MEAN	6.86	5.13	9.07	6.29	9.49	11.77	11.49	12.02	7.55	---	3.72	2.48

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1993 to September 1994.

WATER TEMPERATURE: August 1993 to September 1994.

pH: August 1993 to September 1994.

DISSOLVED OXYGEN: October 1993 to September 1994.

INSTRUMENTATION.--Water-quality monitor since August 1993.

REMARKS.--Dissolved oxygen may show 10 percent error due to inaccuracies of meters. Water-quality data missing from Aug. 24, 1994 to Sept. 30, 1994 because of low water or no water present at site.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 426 microsiemens, Oct. 8, 1993, but may have been higher during period of missing record; minimum daily, 209 microsiemens, Feb. 26, 1994, but may have been lower during period of missing record.

pH: Maximum daily, 9.1 units, June 19, 1994, but may have been higher during period of missing record; minimum daily, 6.5 units, June 10, 12-14, 1994, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 33.3°C, Aug. 19, 1994, but may have been higher during period of missing record; minimum daily, 7.8°C, Dec. 26, 27, 1993, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 9.1 mg/L, Feb. 18, 20, 1994, but may have been higher during period of missing record; minimum daily, 0.1 mg/L, July 27, 1994, but may have been lower during period of missing record.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR AUGUST 1993 TO SEPTEMBER 1993

DAY	AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	393	354	390
2	---	---	---	390	388	389
3	---	---	---	391	389	390
4	---	---	---	390	389	390
5	---	---	---	391	389	390
6	---	---	---	392	390	391
7	---	---	---	393	391	392
8	---	---	---	395	392	393
9	---	---	---	394	387	393
10	---	---	---	409	390	393
11	---	---	---	408	405	407
12	---	---	---	407	368	404
13	---	---	---	405	402	404
14	---	---	---	404	398	402
15	---	---	---	400	395	397
16	---	---	---	399	394	396
17	---	---	---	399	394	396
18	361	355	358	399	396	397
19	359	355	357	400	383	395
20	358	355	357	394	386	390
21	363	357	360	400	391	394
22	374	363	367	396	392	394
23	381	373	376	398	393	395
24	386	379	381	399	393	397
25	393	385	389	399	394	397
26	396	392	394	399	390	396
27	399	395	398	400	391	397
28	401	399	400	406	395	398
29	401	398	400	406	396	399
30	399	394	397	407	396	399
31	396	391	393	---	---	---
MONTH	---	---	---	409	390	395

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	407	395	399	---	---	---	338	331	334	268	266	267
2	---	---	---	---	---	---	337	320	332	270	265	267
3	---	---	---	---	---	---	322	295	302	272	267	269
4	---	---	---	297	293	295	324	298	312	274	270	272
5	---	---	---	297	289	293	325	315	320	277	273	275
6	---	---	---	297	292	294	316	298	306	278	276	277
7	---	---	---	297	292	294	301	291	297	279	277	278
8	426	415	420	299	294	296	300	285	293	282	278	280
9	423	410	416	299	294	296	295	283	288	283	277	281
10	421	413	417	300	295	297	293	285	289	281	275	278
11	419	407	413	300	296	298	297	287	292	280	274	277
12	416	403	409	304	298	301	298	291	295	280	276	278
13	408	397	403	308	303	305	293	288	291	283	276	279
14	400	378	389	313	308	311	293	286	290	283	278	280
15	392	379	386	313	303	308	292	286	288	283	275	279
16	402	383	394	307	297	305	292	288	290	285	277	281
17	414	388	407	301	297	299	292	287	289	286	276	281
18	---	---	---	305	300	303	291	285	287	---	---	---
19	---	---	---	306	304	305	289	285	287	---	---	---
20	---	---	---	308	304	306	290	283	287	---	---	---
21	---	---	---	311	307	309	290	281	284	---	---	---
22	---	---	---	318	310	314	282	281	282	---	---	---
23	---	---	---	331	317	323	283	254	278	---	---	---
24	---	---	---	335	327	330	276	275	275	---	---	---
25	---	---	---	353	330	341	275	274	275	---	---	---
26	---	---	---	363	353	361	274	272	273	---	---	---
27	---	---	---	369	362	367	274	271	272	---	---	---
28	---	---	---	367	356	359	272	267	270	---	---	---
29	---	---	---	360	354	356	271	266	268	---	---	---
30	---	---	---	361	329	349	266	265	266	---	---	---
31	---	---	---	---	---	---	268	265	267	---	---	---
MONTH	---	---	---	369	289	315	338	254	290	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	223	218	220	269	267	268	---	---	---
2	---	---	---	226	220	223	273	269	271	---	---	---
3	---	---	---	229	220	225	279	273	276	---	---	---
4	---	---	---	228	219	223	284	278	281	---	---	---
5	---	---	---	235	227	231	287	283	285	---	---	---
6	---	---	---	240	234	237	288	285	286	---	---	---
7	---	---	---	246	239	242	291	285	288	---	---	---
8	---	---	---	254	245	250	293	288	291	---	---	---
9	---	---	---	257	251	254	292	286	289	---	---	---
10	---	---	---	255	251	253	286	279	283	---	---	---
11	---	---	---	259	254	256	279	273	276	---	---	---
12	---	---	---	263	257	261	273	265	269	---	---	---
13	---	---	---	262	259	261	265	259	263	---	---	---
14	---	---	---	259	253	256	260	244	257	---	---	---
15	217	211	215	254	250	252	263	228	249	297	295	296
16	218	216	217	250	249	250	262	259	261	297	295	297
17	218	216	217	251	249	250	262	259	261	298	294	296
18	217	215	216	252	250	251	262	258	260	295	294	295
19	216	214	215	256	252	254	263	253	262	299	295	297
20	217	215	216	258	255	257	265	262	264	301	298	300
21	218	216	216	260	257	258	267	265	266	303	300	302
22	218	216	217	266	259	263	274	267	270	303	301	302
23	219	214	217	266	265	266	279	274	276	304	301	302
24	217	212	215	266	264	265	281	277	279	305	302	304
25	214	210	211	265	264	265	281	266	280	306	303	304
26	213	209	211	266	262	263	281	276	279	306	304	305
27	214	211	213	263	262	263	277	220	257	306	304	305
28	219	213	216	262	261	261	273	271	272	305	301	302
29	---	---	---	262	261	262	273	265	269	301	297	300
30	---	---	---	264	262	263	---	---	---	298	296	297
31	---	---	---	267	264	265	---	---	---	298	295	296
MONTH	---	---	---	267	218	252	293	220	272	---	---	---

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	297	294	296	258	250	253	165	163	164	---	---	---
2	296	295	296	256	252	253	166	163	164	---	---	---
3	297	294	295	262	253	256	167	164	166	---	---	---
4	295	293	294	257	245	251	168	164	167	---	---	---
5	296	294	295	249	240	243	169	164	167	---	---	---
6	296	292	294	248	241	245	172	168	170	---	---	---
7	294	290	291	249	246	247	177	171	174	---	---	---
8	293	290	291	255	239	246	181	176	179	---	---	---
9	294	282	292	245	241	243	183	180	182	---	---	---
10	288	275	281	245	241	243	187	182	185	---	---	---
11	280	272	275	243	236	239	191	185	189	---	---	---
12	275	269	271	240	204	228	194	189	191	---	---	---
13	273	269	271	207	198	204	192	187	190	---	---	---
14	273	267	269	207	198	202	193	188	191	---	---	---
15	271	265	268	199	186	193	195	193	194	---	---	---
16	272	266	269	190	184	186	197	194	196	---	---	---
17	275	268	272	192	180	185	199	195	197	---	---	---
18	275	269	272	187	180	182	201	197	199	---	---	---
19	277	270	273	185	177	179	201	197	199	---	---	---
20	277	272	274	181	176	178	206	200	203	---	---	---
21	276	271	274	180	177	179	213	205	209	---	---	---
22	274	264	271	187	177	180	214	203	208	---	---	---
23	268	263	266	180	171	176	215	208	213	---	---	---
24	265	252	257	176	172	174	---	---	---	---	---	---
25	255	250	252	180	173	177	---	---	---	---	---	---
26	255	248	251	182	175	179	---	---	---	---	---	---
27	255	249	252	280	157	171	---	---	---	---	---	---
28	257	249	252	161	157	159	---	---	---	---	---	---
29	256	250	252	162	159	161	---	---	---	---	---	---
30	257	250	253	163	160	162	---	---	---	---	---	---
31	---	---	---	165	162	164	---	---	---	---	---	---
MONTH	297	248	274	280	157	204	---	---	---	---	---	---

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR AUGUST 1993 TO SEPTEMBER 1993

[illegible]

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	7.5	7.1	7.3
2	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
3	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
4	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
5	---	---	---	---	---	---	---	---	---	7.4	7.1	7.3
6	---	---	---	---	---	---	---	---	---	7.1	6.9	6.9
7	---	---	---	---	---	---	---	---	---	6.9	6.8	6.9
8	8.0	7.6	7.8	---	---	---	---	---	---	6.9	6.8	6.8
9	7.9	7.6	7.7	---	---	---	---	---	---	6.9	6.8	6.8
10	7.9	7.4	7.7	---	---	---	---	---	---	6.9	6.7	6.9
11	8.2	7.6	7.8	---	---	---	---	---	---	7.5	6.6	6.6
12	8.0	7.5	7.8	---	---	---	---	---	---	---	---	---
13	8.1	7.5	7.8	---	---	---	---	---	---	---	---	---
14	8.0	7.6	7.7	---	---	---	---	---	---	---	---	---
15	8.0	7.6	7.7	---	---	---	---	---	---	---	---	---
16	8.0	7.8	7.9	---	---	---	---	---	---	---	---	---
17	8.1	7.7	7.9	---	---	---	---	---	---	---	---	---
18	8.0	7.7	7.9	---	---	---	---	---	---	7.6	6.9	7.4
19	8.1	7.8	7.9	---	---	---	---	---	---	7.5	7.5	7.5
20	---	---	---	---	---	---	---	---	---	7.5	7.4	7.5
21	---	---	---	---	---	---	---	---	---	7.5	7.4	7.5
22	---	---	---	---	---	---	7.6	7.3	7.5	7.5	7.4	7.5
23	---	---	---	---	---	---	7.6	7.3	7.5	7.6	7.5	7.5
24	---	---	---	---	---	---	7.5	7.3	7.4	7.6	7.5	7.6
25	---	---	---	---	---	---	7.5	7.2	7.4	7.6	7.5	7.6
26	---	---	---	---	---	---	7.6	7.3	7.4	7.5	7.4	7.5
27	---	---	---	---	---	---	7.5	7.3	7.4	7.6	7.4	7.5
28	---	---	---	---	---	---	7.5	7.2	7.3	7.7	7.5	7.6
29	---	---	---	---	---	---	7.4	7.2	7.3	7.7	7.6	7.7
30	---	---	---	---	---	---	7.4	7.3	7.3	7.6	7.4	7.5
31	---	---	---	---	---	---	7.4	7.2	7.3	7.6	7.4	7.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.5	7.3	7.4	---	---	---	7.4	7.4	7.4	7.6	7.6	7.6
2	7.5	7.4	7.4	---	---	---	7.4	7.4	7.4	7.7	7.6	7.6
3	7.5	7.4	7.5	---	---	---	7.4	7.3	7.4	7.7	7.6	7.6
4	7.5	7.3	7.5	---	---	---	7.4	7.3	7.3	7.7	7.6	7.7
5	7.5	7.4	7.5	---	---	---	7.3	7.3	7.3	7.7	7.6	7.7
6	7.5	7.4	7.5	---	---	---	7.4	7.2	7.3	7.7	7.6	7.7
7	7.5	7.4	7.5	---	---	---	7.3	7.3	7.3	7.7	7.7	7.7
8	7.5	7.4	7.5	---	---	---	7.3	7.2	7.2	7.7	7.7	7.7
9	7.5	7.4	7.5	---	---	---	7.3	7.1	7.2	7.7	7.7	7.7
10	7.6	7.4	7.5	---	---	---	7.1	7.1	7.1	7.8	7.7	7.8
11	7.6	7.5	7.6	---	---	---	7.1	7.1	7.1	7.8	7.7	7.8
12	7.6	7.5	7.6	---	---	---	7.1	7.0	7.1	7.8	7.7	7.8
13	7.6	7.5	7.6	---	---	---	7.0	7.0	7.0	7.8	7.8	7.8
14	---	---	---	---	---	---	7.0	7.0	7.0	7.8	7.8	7.8
15	---	---	---	---	---	---	7.0	6.9	7.0	7.8	7.8	7.8
16	---	---	---	---	---	---	7.0	6.9	7.0	7.8	7.8	7.8
17	---	---	---	---	---	---	7.0	6.9	7.0	7.8	7.8	7.8
18	---	---	---	---	---	---	7.0	6.9	6.9	7.8	7.8	7.8
19	---	---	---	7.5	7.4	7.4	6.9	6.9	6.9	7.9	7.8	7.8
20	---	---	---	7.5	7.4	7.5	7.2	6.9	7.0	7.9	7.8	7.9
21	---	---	---	7.6	7.5	7.5	7.3	7.2	7.3	7.9	7.8	7.9
22	---	---	---	7.6	7.5	7.6	7.4	7.3	7.4	7.9	7.8	7.9
23	---	---	---	7.5	7.5	7.5	7.5	7.4	7.4	7.9	7.9	7.9
24	---	---	---	7.6	7.5	7.5	7.5	7.4	7.4	7.9	7.9	7.9
25	---	---	---	7.6	7.5	7.6	7.5	7.4	7.5	7.9	7.9	7.9
26	---	---	---	7.5	7.5	7.5	7.5	7.5	7.5	7.9	7.9	7.9
27	---	---	---	7.6	7.5	7.5	7.5	7.5	7.5	7.9	7.9	7.9
28	---	---	---	7.6	7.4	7.5	7.6	7.5	7.6	8.0	7.9	7.9
29	---	---	---	7.5	7.4	7.4	7.6	7.6	7.6	7.9	7.9	7.9
30	---	---	---	7.5	7.4	7.5	7.6	7.6	7.6	---	---	---
31	---	---	---	7.5	7.4	7.5	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	7.6	6.9	7.3	8.0	7.6	7.8

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA—Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	6.7	6.5	6.6	---	---	---	---	---	---	---	---	---
11	6.9	6.6	6.7	---	---	---	---	---	---	---	---	---
12	6.8	6.5	6.6	---	---	---	---	---	---	---	---	---
13	6.6	6.5	6.6	---	---	---	---	---	---	---	---	---
14	6.7	6.5	6.7	---	---	---	---	---	---	---	---	---
15	7.0	6.6	6.8	---	---	---	---	---	---	---	---	---
16	7.2	7.0	7.1	---	---	---	---	---	---	---	---	---
17	7.4	7.2	7.3	---	---	---	---	---	---	---	---	---
18	7.5	7.3	7.4	---	---	---	---	---	---	---	---	---
19	9.1	7.5	7.7	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR AUGUST 1993 TO SEPTEMBER 1993

DAY	AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	29.2	28.4	28.7
2	---	---	---	29.2	28.7	28.9
3	---	---	---	29.1	28.7	28.9
4	---	---	---	29.2	28.6	28.9
5	---	---	---	29.0	28.4	28.8
6	---	---	---	29.0	28.5	28.8
7	---	---	---	29.1	28.3	28.5
8	---	---	---	28.7	28.1	28.4
9	---	---	---	28.8	28.1	28.3
10	---	---	---	29.9	27.8	28.1
11	---	---	---	28.1	27.5	27.8
12	---	---	---	28.3	27.5	27.9
13	---	---	---	28.4	27.5	27.9
14	---	---	---	28.2	27.5	27.8
15	---	---	---	27.7	26.4	27.1
16	---	---	---	26.4	25.4	25.9
17	---	---	---	25.6	24.9	25.2
18	29.5	29.0	29.2	25.9	25.0	25.4
19	29.4	29.1	29.2	27.0	25.5	26.0
20	29.3	28.8	29.1	26.3	25.9	26.1
21	29.0	28.6	28.7	26.6	26.0	26.3
22	28.8	28.4	28.6	27.0	26.4	26.6
23	28.8	28.3	28.5	28.1	26.7	27.3
24	28.7	28.2	28.4	28.0	26.9	27.4
25	28.9	28.3	28.6	28.8	27.3	27.9
26	28.9	28.4	28.6	28.2	27.0	27.7
27	28.8	28.3	28.5	27.0	25.4	26.3
28	28.8	28.1	28.4	25.4	24.4	24.8
29	28.8	28.2	28.4	24.7	23.6	24.1
30	29.0	28.2	28.5	24.3	23.6	24.0
31	28.8	28.2	28.5	---	---	---
MONTH	---	---	---	29.9	23.6	27.2

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.1	23.6	24.6	—	—	—	13.4	11.8	12.4	9.1	8.6	8.8
2	—	—	—	—	—	—	13.0	12.3	12.6	9.4	9.0	9.2
3	—	—	—	—	—	—	12.5	12.1	12.3	9.3	8.8	9.1
4	—	—	—	15.7	14.6	15.0	12.9	12.2	12.6	9.0	8.4	8.6
5	—	—	—	17.6	15.6	16.2	12.7	12.2	12.4	8.9	8.0	8.4
6	—	—	—	16.4	14.7	15.6	12.5	12.0	12.2	9.6	8.3	8.9
7	—	—	—	15.0	13.5	14.1	12.3	11.7	12.0	10.1	9.3	9.7
8	24.2	23.7	24.0	13.5	12.8	13.0	12.5	11.8	12.2	9.7	8.6	9.0
9	24.7	23.6	23.8	12.8	12.6	12.7	12.5	12.1	12.3	9.6	8.1	8.6
10	24.4	23.2	23.8	14.5	12.3	13.1	12.5	12.1	12.3	9.0	8.0	8.4
11	23.2	22.4	22.6	14.5	12.6	13.5	12.2	11.8	12.0	9.4	8.4	8.8
12	22.5	21.6	22.1	15.3	13.5	14.3	11.8	11.4	11.5	9.7	9.1	9.3
13	21.6	21.3	21.5	17.5	15.2	16.4	11.9	11.4	11.6	9.7	9.2	9.4
14	21.4	20.9	21.1	19.7	17.5	18.5	11.6	11.3	11.5	10.5	8.8	9.4
15	21.3	20.9	21.0	19.9	19.3	19.6	11.3	10.8	11.0	10.5	8.9	9.6
16	21.2	20.8	21.0	20.5	19.1	19.7	10.8	10.4	10.5	10.0	8.9	9.4
17	21.4	20.9	21.2	20.4	19.2	19.9	10.4	10.1	10.2	11.1	9.8	10.4
18	—	—	—	19.5	18.2	18.7	10.2	10.0	10.1	—	—	—
19	—	—	—	19.2	17.9	18.5	10.3	10.1	10.2	—	—	—
20	—	—	—	18.2	16.9	17.6	10.5	10.2	10.4	—	—	—
21	—	—	—	17.1	15.6	16.3	10.6	10.2	10.4	—	—	—
22	—	—	—	16.6	15.0	15.5	10.5	9.9	10.2	—	—	—
23	—	—	—	15.5	14.1	14.7	9.9	9.4	9.7	—	—	—
24	—	—	—	15.5	13.9	14.5	9.4	8.7	9.1	—	—	—
25	—	—	—	15.0	14.1	14.5	8.7	8.2	8.4	—	—	—
26	—	—	—	14.4	13.3	13.8	8.3	7.8	8.0	—	—	—
27	—	—	—	13.3	12.1	12.7	8.5	7.8	8.0	—	—	—
28	—	—	—	12.1	11.3	11.5	8.7	8.1	8.4	—	—	—
29	—	—	—	11.6	11.2	11.4	8.7	8.6	8.7	—	—	—
30	—	—	—	11.9	11.3	11.6	8.8	8.3	8.5	—	—	—
31	—	—	—	—	—	—	9.2	8.0	8.5	—	—	—
MONTH	—	—	—	20.5	11.2	15.3	13.4	7.8	10.7	—	—	—
	FEBRUARY			MARCH			APRIL			MAY		
1	—	—	—	10.7	10.3	10.5	15.0	14.4	14.7	—	—	—
2	—	—	—	10.8	10.5	10.7	15.0	14.4	14.7	—	—	—
3	—	—	—	10.7	10.5	10.6	15.2	14.8	15.0	—	—	—
4	—	—	—	10.7	10.2	10.4	15.5	15.0	15.2	—	—	—
5	—	—	—	10.9	10.3	10.6	15.7	15.3	15.5	—	—	—
6	—	—	—	11.1	10.7	11.0	15.9	15.2	15.6	—	—	—
7	—	—	—	11.2	11.0	11.1	15.3	14.8	15.1	—	—	—
8	—	—	—	11.6	11.1	11.3	15.1	14.5	14.8	—	—	—
9	—	—	—	11.9	11.4	11.7	15.4	14.6	15.0	—	—	—
10	—	—	—	11.6	11.1	11.3	16.4	15.4	16.0	—	—	—
11	—	—	—	11.2	10.5	10.8	17.1	16.4	16.8	—	—	—
12	—	—	—	11.5	10.8	11.1	17.4	17.0	17.3	—	—	—
13	—	—	—	11.7	11.3	11.5	17.5	17.1	17.3	—	—	—
14	—	—	—	12.2	11.6	11.9	17.6	17.1	17.3	—	—	—
15	9.0	8.7	8.8	12.5	12.1	12.2	17.7	17.2	17.5	21.9	21.5	21.7
16	8.8	8.6	8.7	12.4	12.2	12.3	17.7	17.3	17.6	21.9	21.5	21.7
17	8.9	8.6	8.7	12.2	11.7	11.9	17.6	17.3	17.4	21.8	21.5	21.6
18	9.0	8.6	8.7	12.7	11.9	12.2	17.5	17.0	17.2	21.8	21.4	21.6
19	9.5	8.8	9.2	13.4	12.7	12.9	17.9	17.2	17.6	22.0	21.2	21.6
20	9.8	9.3	9.5	13.7	13.3	13.5	18.2	17.7	17.9	22.0	21.5	21.7
21	10.2	9.6	9.9	13.9	13.4	13.7	18.4	18.0	18.2	22.1	21.5	21.7
22	10.5	10.0	10.3	14.3	13.8	14.1	18.6	18.1	18.3	22.3	21.7	21.9
23	10.9	10.5	10.7	14.9	14.1	14.3	19.1	18.4	18.6	22.5	21.9	22.1
24	10.7	10.2	10.5	15.4	14.7	14.9	19.3	18.7	19.0	22.6	22.2	22.4
25	10.3	10.0	10.1	15.5	15.2	15.4	19.8	19.0	19.3	22.6	22.3	22.5
26	10.2	9.9	9.9	15.4	15.1	15.2	20.4	19.5	19.8	22.8	22.5	22.7
27	10.2	9.7	9.9	15.5	15.2	15.3	20.9	20.0	20.3	23.0	22.7	22.9
28	10.4	9.8	10.1	15.5	15.0	15.2	21.3	20.4	20.8	23.2	22.8	23.1
29	—	—	—	15.0	14.5	14.7	21.4	20.7	21.0	23.2	22.9	23.1
30	—	—	—	14.8	14.1	14.4	—	—	—	23.3	22.9	23.1
31	—	—	—	15.0	14.5	14.8	—	—	—	23.1	22.9	23.0
MONTH	—	—	—	15.5	10.2	12.6	21.4	14.4	17.3	—	—	—

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.2	22.8	23.0	31.2	28.8	29.5	28.0	26.6	27.2	---	---	---
2	23.5	23.1	23.2	31.1	28.2	29.5	27.3	26.1	26.6	---	---	---
3	23.8	23.3	23.5	30.4	28.5	29.5	28.4	25.6	26.6	---	---	---
4	24.3	23.5	23.9	31.1	28.7	29.5	30.4	26.3	28.1	---	---	---
5	24.8	24.2	24.5	30.7	28.7	29.5	29.6	27.9	28.6	---	---	---
6	24.8	24.4	24.6	32.3	29.1	30.3	30.5	26.8	28.1	---	---	---
7	25.1	24.4	24.8	31.6	29.3	30.4	30.9	27.3	28.7	---	---	---
8	25.9	24.9	25.4	29.3	28.1	28.5	29.0	27.6	28.3	---	---	---
9	26.7	25.7	26.0	28.3	27.6	27.9	29.2	26.6	27.8	---	---	---
10	26.8	25.8	26.1	28.2	27.2	27.6	29.9	26.8	28.2	---	---	---
11	26.1	25.5	25.8	27.6	26.7	27.1	31.3	27.5	28.9	---	---	---
12	25.7	25.2	25.4	28.3	26.3	26.9	30.7	27.8	28.9	---	---	---
13	26.1	25.0	25.5	27.0	26.0	26.5	30.8	27.5	28.8	---	---	---
14	28.1	25.8	26.7	28.3	26.0	27.1	30.6	27.7	29.0	---	---	---
15	27.9	26.6	27.0	27.9	26.8	27.2	30.9	28.1	29.4	---	---	---
16	27.5	26.9	27.1	28.5	26.3	27.2	30.4	28.1	29.2	---	---	---
17	28.8	26.9	27.3	29.4	27.2	27.9	32.4	28.3	29.7	---	---	---
18	28.5	26.8	27.3	28.9	27.1	27.7	32.5	28.4	30.3	---	---	---
19	29.2	26.8	27.4	28.5	27.5	28.0	33.3	29.4	30.7	---	---	---
20	28.0	27.0	27.5	30.4	27.5	28.6	31.7	29.1	30.2	---	---	---
21	27.9	27.1	27.4	30.0	28.5	29.2	29.8	27.8	29.0	---	---	---
22	29.0	27.1	27.7	29.6	28.6	29.0	32.1	27.0	29.1	---	---	---
23	28.0	27.1	27.5	29.1	27.4	28.0	31.5	28.2	29.8	---	---	---
24	27.4	26.3	26.7	29.0	26.8	27.8	---	---	---	---	---	---
25	27.7	26.0	26.6	29.2	27.7	28.5	---	---	---	---	---	---
26	29.4	27.3	28.4	30.4	28.0	28.7	---	---	---	---	---	---
27	30.1	27.8	28.8	29.5	27.6	28.2	---	---	---	---	---	---
28	30.5	28.1	29.3	28.5	26.7	27.6	---	---	---	---	---	---
29	30.0	28.7	29.3	29.0	26.5	27.6	---	---	---	---	---	---
30	30.6	28.4	29.3	28.8	26.6	27.7	---	---	---	---	---	---
31	---	---	---	28.3	26.8	27.6	---	---	---	---	---	---
MONTH	30.6	22.8	26.4	32.3	26.0	28.3	---	---	---	---	---	---

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	6.1	4.4	5.0	6.8	6.1	6.4
2	---	---	---	---	---	---	4.7	2.6	3.7	6.1	5.5	5.7
3	---	---	---	---	---	---	5.7	3.3	5.0	5.6	4.4	5.1
4	---	---	---	3.8	2.2	2.9	5.2	2.8	3.9	5.3	4.9	5.1
5	---	---	---	3.0	1.1	2.2	3.2	1.9	2.5	5.9	4.7	5.4
6	---	---	---	2.8	2.0	2.4	3.8	2.6	3.3	5.7	5.3	5.6
7	---	---	---	4.0	2.5	3.0	4.0	3.3	3.6	5.7	4.0	5.1
8	---	---	---	3.9	2.6	3.3	4.1	3.1	3.6	4.9	3.9	4.5
9	---	---	---	4.3	2.8	3.5	4.2	3.2	3.6	5.9	4.4	5.0
10	---	---	---	4.1	2.8	3.2	4.1	2.9	3.3	5.9	4.8	5.3
11	---	---	---	4.7	2.9	4.0	3.7	2.8	3.3	5.6	4.5	5.1
12	---	---	---	4.6	3.5	4.0	4.2	3.3	3.7	5.2	4.2	4.7
13	---	---	---	4.1	3.3	3.7	5.2	4.0	4.5	5.2	3.8	4.4
14	---	---	---	4.3	2.8	3.6	4.2	3.5	4.0	4.7	3.9	4.3
15	---	---	---	3.7	2.0	3.0	4.6	3.6	4.3	5.6	3.9	4.9
16	---	---	---	3.7	2.0	2.8	4.7	3.9	4.5	6.2	5.1	5.6
17	---	---	---	3.5	2.1	2.8	5.0	4.4	4.7	7.5	5.4	6.2
18	---	---	---	3.2	1.3	2.0	5.4	4.7	5.2	---	---	---
19	---	---	---	5.0	3.2	3.7	5.4	4.8	5.2	---	---	---
20	---	---	---	5.4	3.5	4.6	5.4	4.8	5.1	---	---	---
21	---	---	---	6.2	4.7	5.2	5.8	5.1	5.4	---	---	---
22	---	---	---	5.9	3.9	4.9	6.1	5.3	5.6	---	---	---
23	---	---	---	4.5	3.3	3.9	6.5	5.4	5.9	---	---	---
24	---	---	---	4.0	2.9	3.5	6.9	6.1	6.4	---	---	---
25	---	---	---	4.5	2.1	3.7	7.3	6.9	7.1	---	---	---
26	---	---	---	5.6	4.0	5.2	7.6	7.0	7.4	---	---	---
27	---	---	---	6.3	5.0	5.6	7.7	7.1	7.3	---	---	---
28	---	---	---	6.6	5.6	6.2	7.6	7.1	7.3	---	---	---
29	---	---	---	6.4	5.8	6.1	7.6	6.9	7.2	---	---	---
30	---	---	---	6.1	5.0	5.7	7.3	6.9	7.1	---	---	---
31	---	---	---	---	---	---	7.2	6.6	6.9	---	---	---
MONTH	---	---	---	6.6	1.1	3.9	7.7	1.9	5.0	---	---	---

MISSISSIPPI RIVER DELTA

073815668 MILEPOINT BAYOU 7.0 MILES NORTH OF CHARENTON, LA

LOCATION.—Lat 29°58' 51", long 91°30' 00", Sec. 24, T. 12 S., R. 9 E., Iberia Parish, Hydrologic Unit 08080101, on a five-pile platform 7.0 miles north of Charenton, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1993 to September 1994.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Gage datum is an assumed elevation.

REMARKS.—Water level below recordable stage Sept. 24-30.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 18.24 ft, May 10, 1994; minimum gage height, undetermined..

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.52	14.05	13.32	12.93	16.44	17.24	17.99	15.64	9.69	9.93	8.32
2	---	11.37	14.25	13.11	13.04	16.60	17.09	18.02	15.14	9.66	9.90	8.33
3	---	11.17	14.36	12.89	13.18	16.70	16.95	18.08	14.60	9.67	9.84	8.27
4	---	11.03	14.40	12.64	13.34	16.83	16.85	18.11	14.10	9.72	9.78	8.13
5	---	10.90	14.37	12.37	13.55	16.95	16.77	18.11	13.67	9.84	9.72	8.10
6	---	10.69	14.35	12.12	13.76	17.04	16.75	18.14	13.32	9.89	9.58	8.09
7	12.54	10.42	14.35	11.90	13.95	17.12	16.72	18.16	12.99	9.95	9.44	8.03
8	12.74	10.19	14.34	11.66	14.12	17.18	16.66	18.18	12.61	10.11	9.33	7.91
9	12.93	10.04	14.34	11.44	14.37	17.33	16.63	18.21	12.25	10.24	9.30	7.82
10	13.08	9.87	14.46	11.23	14.71	17.39	16.63	18.23	12.05	10.33	9.28	7.87
11	13.19	9.72	14.57	11.07	15.06	17.43	16.59	18.24	11.84	10.50	9.19	7.86
12	13.30	9.66	14.67	11.01	15.32	17.46	16.64	18.23	11.71	10.62	9.06	7.82
13	13.43	9.70	14.80	11.00	15.56	17.49	16.66	18.21	11.51	10.71	8.99	7.79
14	13.53	9.73	14.88	10.91	15.74	17.51	16.65	18.19	11.31	10.61	8.89	7.83
15	13.56	9.91	15.00	10.85	15.91	17.53	16.71	18.15	11.17	10.52	8.78	7.82
16	13.53	10.14	15.10	10.84	16.03	17.55	16.93	18.08	11.08	10.38	8.72	7.99
17	13.47	10.30	15.20	10.99	16.13	17.55	17.00	18.02	10.99	10.21	8.70	7.92
18	13.39	10.42	15.29	11.19	16.18	17.58	17.03	17.92	10.90	10.13	8.63	7.63
19	13.26	10.52	15.34	11.40	16.22	17.65	17.09	17.77	10.79	10.12	8.53	7.41
20	13.05	10.64	15.39	11.59	16.23	17.70	17.18	17.63	10.65	10.19	8.43	7.34
21	12.82	10.78	15.40	11.80	16.22	17.70	17.28	17.53	10.53	10.22	8.32	7.32
22	12.53	11.07	15.42	12.01	16.21	17.68	17.32	17.42	10.50	10.24	8.25	7.33
23	12.24	11.47	15.43	12.20	16.27	17.64	17.40	17.30	10.48	10.30	8.16	7.33
24	12.07	11.90	15.38	12.33	16.26	17.58	17.48	17.17	10.48	10.26	7.96	---
25	12.00	12.29	15.28	12.36	16.24	17.51	17.51	17.05	10.48	10.08	7.81	---
26	11.95	12.65	15.13	12.30	16.24	17.49	17.57	16.92	10.36	10.00	7.83	---
27	11.75	13.02	14.92	12.29	16.24	17.51	17.66	16.76	10.24	10.09	7.82	---
28	11.54	13.31	14.64	12.46	16.29	17.49	17.74	16.57	10.13	10.10	7.94	---
29	---	13.59	14.29	12.67	---	17.42	17.80	16.40	9.97	10.03	8.07	---
30	---	13.80	13.88	12.79	---	17.35	17.91	16.21	9.79	9.97	8.15	---
31	11.71	---	13.56	12.86	---	17.31	---	15.98	---	9.95	8.25	---
MEAN	---	11.06	14.74	11.92	15.19	17.35	17.08	17.64	11.71	10.14	8.79	---
MAX	---	13.80	15.43	13.32	16.29	17.70	17.91	18.24	15.64	10.71	9.93	---
MIN	---	9.66	13.56	10.84	12.93	16.44	16.59	15.98	9.79	9.66	7.81	---

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.—April 1973 to June 1975 (discharge measurements only), October 1976 to May 1986 (elevations and discharge measurements only), June 1986 to current year. Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans District.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Datum of gage is mean sea level. Reverse flow at times during the year.

REMARKS.—No estimated daily discharges. Records poor. No velocity record: Jan. 6-8, Apr. 19-26. Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 7.80 ft, June 6, 1983, 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 daily discharge, recorded 187,000 ft³/s, May 22; minimum daily discharge 12,000 ft³/s, Nov. 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66900	17800	106000	91600	86400	113000	139000	177000	165000	54200	33200	52500
2	71100	15200	107000	89800	86600	125000	135000	151000	156000	54200	36900	54000
3	72000	14500	104000	91000	86600	132000	130000	153000	146000	58000	41600	53300
4	72600	13900	103000	83000	90200	128000	129000	155000	126000	60000	44400	50500
5	72000	13600	99900	73000	94400	133000	130000	157000	113000	62200	55300	49700
6	76000	13300	97700	—	100000	135000	138000	157000	100000	63100	60700	48500
7	80600	12000	99700	—	103000	136000	136000	154000	100000	58900	61100	46700
8	81800	12300	99000	—	102000	136000	130000	155000	94800	60600	59000	44500
9	82100	13300	99400	71700	105000	144000	126000	156000	92200	64000	52100	41900
10	78000	12600	104000	70700	111000	146000	124000	162000	89200	64300	48100	40800
11	77700	12700	107000	69000	115000	139000	122000	167000	90100	65900	52200	41600
12	82700	13700	105000	70400	115000	136000	124000	158000	88900	65100	49300	41100
13	86800	14000	107000	69400	123000	135000	123000	171000	85800	66500	54800	39200
14	92600	14300	107000	69100	121000	136000	125000	172000	82100	64200	54400	36800
15	90500	16000	110000	71600	122000	141000	130000	171000	84700	64100	54400	36800
16	89400	16100	110000	66600	121000	145000	140000	173000	88200	60900	50900	33300
17	87700	17000	111000	72600	124000	142000	136000	178000	83400	61900	51900	42700
18	92000	17200	115000	74900	123000	143000	128000	185000	84000	58200	50400	43500
19	97100	18200	113000	72800	123000	144000	—	186000	85000	53900	49400	40500
20	94800	19800	117000	73600	122000	144000	—	184000	84100	55700	47500	37700
21	97200	19700	119000	76100	125000	145000	—	181000	81000	59100	50300	37800
22	89200	46700	116000	77900	125000	146000	—	187000	85800	61300	44000	31500
23	82100	71500	116000	76600	132000	142000	—	185000	80700	63100	45100	36000
24	86000	81800	114000	76500	136000	147000	—	183000	58900	63500	49500	29600
25	87600	91800	113000	71300	126000	148000	—	181000	57500	55800	51100	34900
26	88800	95500	107000	65200	131000	139000	—	183000	52400	47300	47000	27700
27	75700	101000	106000	63700	127000	139000	175000	180000	52500	47400	45000	30000
28	55500	99300	103000	86200	114000	150000	181000	177000	53800	38500	45400	29800
29	42800	101000	105000	89800	—	144000	182000	176000	53500	30100	43400	29800
30	31300	103000	97500	85400	—	141000	183000	170000	52700	30700	47300	28700
31	19600	—	92000	88500	—	144000	—	172000	—	30300	50000	—
TOTAL	2400200	1108800	3310200	—	3190200	4318000	—	5297000	2667300	1743000	1525700	1191400
MEAN	77430	36960	106800	—	113900	139300	—	170900	88910	56230	49220	39710

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.19	2.02	3.62	2.13	10.95	4.26	2.49	5.36	5.24	1.38	1.85	.93
2	1.24	1.81	2.50	2.03	10.63	7.65	2.45	5.12	4.86	1.14	1.61	1.01
3	1.24	1.65	1.82	1.94	10.31	8.30	2.40	4.81	4.21	.97	1.43	3.00
4	1.22	1.54	1.86	1.82	10.00	7.83	2.39	6.14	3.56	.91	2.15	2.62
5	1.20	1.53	1.88	1.70	9.77	7.07	2.39	5.70	3.71	1.00	2.53	1.51
6	1.21	1.42	1.83	1.55	9.64	6.24	4.32	4.95	3.77	1.12	1.91	.99
7	1.23	1.27	1.77	1.44	9.37	5.57	8.18	3.86	3.46	1.15	1.54	.83
8	1.31	1.05	1.72	1.30	9.07	5.05	8.37	3.67	3.12	1.54	1.35	.80
9	1.36	.98	1.72	1.11	8.71	4.77	7.91	4.47	2.91	2.56	1.19	.88
10	1.38	.95	1.89	1.00	9.32	7.05	7.15	6.71	2.97	4.47	1.05	1.16
11	1.36	.89	2.50	.96	10.82	6.99	6.20	6.94	3.69	6.34	.92	2.19
12	1.37	.93	2.46	.93	10.82	5.81	6.01	6.17	5.05	7.81	.88	2.04
13	1.41	1.08	2.75	.98	10.58	4.59	7.74	5.49	6.82	8.35	1.05	1.60
14	1.47	1.24	6.56	1.03	10.29	3.94	7.66	4.47	6.26	7.91	1.15	1.23
15	1.50	---	6.60	1.13	9.99	4.14	6.78	3.69	5.62	7.11	1.04	1.18
16	1.51	---	5.33	1.07	9.69	4.18	7.94	3.51	5.23	5.96	1.12	1.48
17	1.53	10.24	4.09	---	9.36	3.98	8.61	3.84	4.85	4.58	1.09	1.72
18	1.56	9.95	3.17	6.37	8.97	3.34	8.06	5.81	3.73	3.56	1.00	1.70
19	1.61	9.62	2.79	6.33	8.47	3.11	7.24	5.90	2.97	4.76	.95	1.47
20	1.65	9.27	2.66	5.42	7.82	2.99	6.45	5.20	2.65	5.68	1.01	1.20
21	1.65	8.93	2.54	4.58	7.05	2.88	7.15	3.89	2.44	5.44	1.21	1.01
22	1.63	8.51	2.48	3.43	6.32	2.80	7.08	3.33	2.30	4.95	1.33	.84
23	1.58	7.95	3.36	2.23	5.94	2.75	6.09	3.18	2.21	5.63	1.04	.88
24	1.48	7.22	4.11	1.73	6.47	2.71	5.13	3.08	3.14	5.90	1.10	.86
25	1.41	6.38	3.93	1.50	---	2.70	4.33	2.99	3.45	5.23	1.37	.99
26	1.38	5.58	3.62	1.38	---	2.72	4.05	2.92	2.68	4.40	.96	.87
27	1.36	4.97	2.83	---	---	2.72	4.31	2.83	2.28	3.69	.70	.73
28	1.32	4.54	2.24	---	---	2.69	4.28	2.78	2.04	4.44	.69	.75
29	1.63	4.20	2.31	11.44	---	2.66	3.70	2.83	1.84	3.42	.79	.71
30	2.55	3.90	2.46	11.45	---	2.60	3.54	3.01	1.63	2.58	.87	.61
31	2.35	---	2.32	11.24	---	2.52	---	3.78	---	2.14	.95	---
MAX	2.55	---	6.60	---	---	8.30	8.61	6.94	6.82	8.35	2.53	3.00
MIN	1.19	---	1.72	---	---	2.52	2.39	2.78	1.63	.91	.69	.61

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 1993 TO SEPTEMBER 1994

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 1993											
28...	0730	417	7.66	20.5	15	100	<1	6.8	0.7	26	K300
NOV 23...	0800	378	7.54	14.5	30	65	<1	8.3	0.7	30	250
DEC 16...	0810	290	7.50	9.5	30	90	<1	9.5	1.7	35	780
JAN 1994											
19...	0800	372	8.22	5.5	20	20	<1	11.6	1.9	23	530
MAR 03...	0900	240	7.43	10.0	20	--	<1	9.7	1.9	17	550
23...	0800	255	7.38	14.5	20	50	<1	8.8	1.6	23	K350
APR 20...	0815	261	7.41	18.5	20	34	<1	7.2	1.4	22	220
MAY 05...	0900	286	7.33	20.5	10	40	<1	5.9	0.3	200	K250
JUN 02...	0830	295	7.51	24.0	20	60	<1	5.3	0.7	19	280
JUL 19...	0915	366	7.64	29.0	5	55	<1	6.0	0.6	18	K250
AUG 26...	0815	467	8.07	30.0	5	10	<1	7.0	0.9	<10	K44
SEP 22...	0830	467	7.33	27.0	5	8.0	<1	7.3	0.5	10	K90

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

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

MISSISSIPPI RIVER DELTA
07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)
OCT 1993											
28...	K45	150	41	12	21	3.5	124	42	27	--	--
NOV											
23...	130	140	36	11	21	3.8	105	42	24	--	--
DEC											
16...	--	110	30	8.4	11	3.4	87	32	14	--	--
JAN 1994											
19...	K12	150	39	12	17	2.8	115	41	20	0.1	7.4
MAR											
03...	K8	86	24	6.3	12	2.4	62	28	16	<0.1	5.5
23...	K10	93	26	6.8	13	2.5	68	30	16	0.1	5.6
APR											
20...	<2	100	28	7.7	12	2.3	72	32	14	0.1	4.2
MAY											
05...	K8	110	30	8.0	10	2.6	81	32	12	0.1	4.5
JUN											
02...	K10	120	33	10	13	2.6	94	33	16	0.1	5.5
JUL											
19...	K68	140	36	11	20	2.9	105	44	25	0.2	6.7
AUG											
26...	74	160	42	14	29	3.4	120	57	36	0.2	4.5
SEP											
22...	K44	160	41	14	28	3.3	117	56	31	0.2	3.9
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 1993											
28...	--	221	250	0.03	--	1.1	--	0.04	--	--	0.57
NOV											
23...	--	201	170	0.03	--	0.91	--	0.05	--	--	0.49
DEC											
16...	--	155	460	0.05	0.02	0.84	0.84	0.07	0.04	0.82	0.41
JAN 1994											
19...	240	213	58	0.01	0.01	1.0	1.0	0.06	0.05	0.74	0.32
MAR											
03...	135	134	144	0.03	0.01	0.55	0.55	0.06	0.04	0.69	0.35
23...	156	145	120	0.02	0.02	0.86	0.86	0.04	0.04	0.82	0.49
APR											
20...	158	147	56	0.02	0.01	0.69	0.69	0.06	0.06	0.59	0.38
MAY											
05...	162	152	114	0.03	0.02	0.84	0.84	0.06	0.04	0.57	0.36
JUN											
02...	188	170	260	0.01	--	0.76	--	0.07	--	0.90	--
JUL											
19...	--	214	142	0.01	<0.01	1.2	1.2	0.03	0.02	0.87	0.53
AUG											
26...	268	261	22	0.01	<0.01	0.66	0.66	0.03	0.02	0.68	0.50
SEP											
22...	262	251	16	0.01	<0.01	0.70	0.70	0.02	0.02	0.29	0.23

< 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).

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 1993											
28...	0.22	--	0.13	--	4	1	<1	<1	<1	<1	5
NOV											
23...	0.19	--	0.09	--	5	1	<1	<1	<1	<1	<1
DEC											
16...	0.26	0.04	0.21	0.05	3	<1	1	1	<1	<1	7
JAN 1994											
19...	0.07	0.03	0.08	0.05	2	<1	<1	<1	<1	<1	2
MAR											
03...	0.22	0.09	0.10	0.03	3	<1	<1	<1	<1	<1	5
23...	0.15	0.05	0.07	0.07	2	<1	<1	<1	<1	<1	3
APR											
20...	0.17	0.04	0.07	0.04	2	<1	<1	<1	<1	<1	3
MAY											
05...	0.22	0.04	0.10	0.04	3	1	<1	<1	<1	<1	4
JUN											
02...	0.25	--	0.15	--	3	3	1	1	<1	<1	3
JUL											
19...	0.18	0.05	0.12	0.07	1	2	<1	<1	<1	<1	4
AUG											
26...	0.09	0.06	0.06	0.05	1	2	1	<1	1	<1	<1
SEP											
22...	0.07	0.04	0.07	0.05	2	2	<1	<1	<1	<1	1
DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 1993											
28...	<1	16	6	13	8	<1	<0.1	<0.1	7	3	<1
NOV											
23...	<1	8	7	34	4	<1	<0.1	<0.1	5	3	<1
DEC											
16...	<1	12	4	40	7	<1	<0.1	<0.1	10	3	<1
JAN 1994											
19...	<1	5	2	85	2	<1	<0.1	0.1	3	2	<1
MAR											
03...	<1	6	2	53	5	<1	<0.1	0.1	6	1	<1
23...	<1	8	3	87	4	<1	<0.1	0.2	6	1	<1
APR											
20...	<1	6	3	110	3	<1	0.1	0.1	9	1	<1
MAY											
05...	<1	9	4	100	4	<1	<0.1	<0.1	4	<1	<1
JUN											
02...	<1	8	2	82	4	<1	<0.1	<0.1	6	2	<1
JUL											
19...	<1	8	3	16	4	<1	<0.1	<0.1	7	3	<1
AUG											
26...	<1	6	4	10	2	<1	0.1	<0.1	3	3	<1
SEP											
22...	<1	5	3	7	1	<1	<0.1	<0.1	2	2	<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 1993 TO SEPTEMBER 1994

DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	SI- MAZINE, WATER, DISS, REC (UG/L)	PRO- METRYN, WATER, DISS, REC (UG/L)	PRO- METON, WATER, DISS, REC (UG/L)
OCT 1993											
28...	<1	1	30	4	7.1	<0.01	<1	1	--	--	--
NOV											
23...	<1	3	20	12	7.2	<0.01	--	<1	--	--	--
DEC											
16...	<1	3	30	<4	7.4	<0.01	<1	2	0.05	<0.05	<0.05
JAN 1994											
19...	<1	1	10	<4	5.0	<0.01	3	1	<0.05	<0.05	<0.05
MAR											
03...	<1	<1	20	4	7.3	<0.01	3	<1	<0.05	<0.05	<0.05
23...	<1	<1	20	<4	6.6	<0.01	1	<1	<0.05	<0.05	<0.05
APR											
20...	<1	<1	20	6	5.9	<0.01	<1	<1	<0.05	<0.05	<0.05
MAY											
05...	<1	2	20	6	6.4	<0.01	2	<1	0.05	<0.05	<0.05
JUN											
02...	<1	1	20	4	6.9	<0.01	<1	<1	0.10	<0.05	<0.05
JUL											
19...	<1	2	30	6	5.6	<0.01	<1	<1	0.08	<0.05	<0.05
AUG											
26...	<1	2	10	5	4.9	<0.01	<1	<1	E0.06	<0.05	<0.05
SEP											
22...	<1	2	20	<4	4.9	<0.01	6	<1	<0.05	<0.05	<0.05

DATE	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L)	CYANA- ZINE, WATER, DISS, REC (UG/L)	AMETRYN WATER, DISS, REC, (UG/L)	PROP- AZINE WATER DISS REC (UG/L)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L)	DI- SYSTON TOTAL (UG/L)	PHORATE TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	DEF TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
OCT 1993											
28...	--	--	--	--	--	--	--	--	<0.05	--	<0.1
NOV											
23...	--	--	--	--	--	--	--	--	<0.05	--	<0.1
DEC											
16...	<0.05	0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
JAN 1994											
19...	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
MAR											
03...	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
23...	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
APR											
20...	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
MAY											
05...	<0.05	0.05	0.3	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
JUN											
02...	0.05	0.13	0.4	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
JUL											
19...	<0.05	0.11	0.3	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
AUG											
26...	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1
SEP											
22...	<0.05	<0.05	<0.2	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1

< 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 1993 TO SEPTEMBER 1994

DATE	ALDRIN, TOTAL (UG/L)	LINDANE TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)
OCT 1993											
28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
NOV											
23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
DEC											
16...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
JAN 1994											
19...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
MAR											
03...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
23...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
APR											
20...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
MAY											
05...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
JUN											
02...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
JUL											
19...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
AUG											
26...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1
SEP											
22...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1

DATE	HEPTA- CHLOR, TOTAL (UG/L)	METO- LACHLOR WATER DISSOLV (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	PCB, TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	ATRA- ZINE, WATER, DISS, REC (UG/L)	2,4-D, TOTAL (UG/L)
OCT 1993											
28...	<0.01	--	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	--	<0.5
NOV											
23...	<0.01	--	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	--	<0.5
DEC											
16...	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.19	<0.01
JAN 1994											
19...	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.11	<0.01
MAR											
03...	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.07	<0.01
23...	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.09	<0.01
APR											
20...	<0.01	0.08	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.26	0.02
MAY											
05...	<0.01	0.33	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.63	0.08
JUN											
02...	<0.01	0.38	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	1.2	0.03
JUL											
19...	<0.01	0.24	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.62	0.03
AUG											
26...	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02
SEP											
22...	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01

< 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 1993 TO SEPTEMBER 1994

DATE	2,4,5-T TOTAL (UG/L)	MIREX, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	ALA- CHLOR, WATER, DISS, REC, (UG/L)	2, 4-DP TOTAL (UG/L)	METRI- BUZIN WATER DISSOLV (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 1993										
28...	<0.5	<0.01	<0.5	<0.01	<0.01	--	<0.5	--	5.3	0.5
NOV										
23...	<0.5	<0.01	<0.5	<0.01	<0.01	--	<0.5	--	1.2	<0.1
DEC										
16...	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	1.3	<0.1
JAN 1994										
19...	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	0.8	<0.1
MAR										
03...	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	1.3	<0.1
23...	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	1.1	<0.1
APR										
20...	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	2.1	<0.1
MAY										
05...	<0.01	<0.01	<0.01	<0.01	--	0.05	<0.01	<0.05	1.6	0.4
JUN										
02...	<0.01	<0.01	<0.01	<0.01	--	0.05	<0.01	0.05	0.5	<0.1
JUL										
19...	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	1.1	<0.1
AUG										
26...	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	2.0	0.2
SEP										
22...	<0.01	<0.01	<0.01	<0.01	--	<0.05	<0.01	<0.05	1.8	0.1

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1993				
28...	70100	239	45000	99
NOV				
23...	74200	225	45000	99
DEC				
16...	110000	--	--	--
JAN 1994				
19...	67800	108	20000	96
MAR				
03...	131000	300	106000	72
23...	144000	230	89000	69
APR				
05...	133000	234	84000	80
20...	140000	261	99000	79
MAY				
05...	162000	288	126000	79
12...	169000	280	128000	84
JUN				
02...	121000	279	91000	90
23...	58000	248	39000	100
JUL				
06...	56000	136	21000	100
19...	62800	232	39000	100
AUG				
26...	41000	170	19000	100
SEP				
07...	46000	181	23000	100
22...	39300	56	5900	99

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA
(National stream-quality accounting network station)

LOCATION.—Lat 29°41'47", long 91°12'39", T. 15 S., R. 12 E., St. Mary Parish, on downstream side of bridge on U. S. Highway 90, 0.6 mi. upstream from Bayou Boeuf and 0.75 mi. southwest of Morgan City High School. Prior to October, 1992, 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 Railway 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.

DRAINAGE AREA.—Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1973 to September 1975 (discharge measurements only), October 1976 to current year elevations and discharge measurements only). 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. Datum of gage is sea level. 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.

EXTREMES FOR PERIOD OF RECORD.—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 recorded elevation, 7.14 ft, May 11; minimum, 1.09 ft, Sept. 25.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
Oct. 27, 1993	147,000	Mar. 22, 1994	288,000	June 1, 1994	232,000	Aug. 4, 1994	180,000
Nov. 22	148,000	Apr. 5	266,000	June 23	119,000	Aug. 25	236,000
Dec. 15	215,000	Apr. 19	267,000	July 6	114,000	Sept. 7	147,000
Jan. 18, 1994	145,000	May 4	303,000	July 18	114,000	Sept. 21	80,500
Mar. 2	256,000	May 12	319,000				

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.72	3.49	4.95	4.40	3.84	5.95	6.18	6.91	5.94	2.79	2.72	2.28
2	3.53	3.50	5.02	4.29	3.92	5.97	6.16	6.92	5.66	2.86	2.76	2.20
3	3.52	3.51	5.10	4.18	4.02	5.98	6.14	6.95	5.41	2.86	2.78	2.03
4	3.55	3.56	5.04	3.94	4.11	6.03	6.09	6.92	5.19	2.82	2.68	2.09
5	3.60	3.56	4.93	3.79	4.24	6.05	6.13	6.83	4.96	2.90	2.66	2.18
6	3.69	3.34	4.98	3.73	4.35	6.11	6.16	6.87	4.81	---	2.60	2.26
7	3.77	3.25	4.96	3.62	4.42	6.15	6.08	6.94	4.62	---	2.49	2.35
8	3.89	3.34	4.98	3.44	4.53	6.17	6.09	6.81	4.50	3.20	2.48	2.47
9	3.95	3.33	5.02	3.41	4.67	6.24	6.00	6.80	4.36	3.19	2.60	2.57
10	3.90	3.33	5.06	3.33	4.87	6.20	6.00	6.89	4.29	3.24	2.61	2.57
11	3.95	3.43	5.05	3.27	4.94	6.22	6.00	7.00	4.20	3.32	2.58	2.48
12	4.02	3.53	5.05	3.25	4.99	6.25	6.05	6.98	4.09	3.30	2.53	2.42
13	4.12	3.63	5.23	3.22	5.09	6.24	6.04	7.01	3.95	3.36	2.51	2.56
14	4.12	3.71	5.14	3.10	5.13	6.22	6.07	6.92	3.83	3.32	2.54	2.68
15	4.12	3.71	5.11	2.99	5.25	6.25	6.12	6.90	3.73	3.23	2.45	2.71
16	4.12	3.80	5.17	2.99	5.32	6.24	6.19	6.86	3.56	3.06	2.43	2.93
17	4.13	3.82	5.14	3.19	5.39	6.26	6.17	6.88	3.46	2.94	2.56	2.35
18	4.14	3.74	5.13	3.02	5.44	6.29	6.21	6.82	3.34	2.83	2.44	1.89
19	4.10	3.86	5.12	3.07	5.49	6.30	6.23	6.80	3.24	2.86	2.30	1.74
20	4.03	3.79	5.14	3.18	5.56	6.32	6.23	6.70	3.30	2.94	2.38	1.75
21	3.92	3.81	4.99	3.23	5.59	6.35	6.29	6.65	3.20	2.91	2.29	1.76
22	3.66	3.95	5.00	3.33	5.65	6.33	6.29	6.57	3.20	2.94	2.13	2.05
23	3.61	4.09	4.94	3.44	5.70	6.38	6.32	6.52	3.24	2.89	2.04	1.67
24	3.66	4.21	4.91	3.48	5.68	6.41	6.33	6.48	3.28	2.77	1.91	1.92
25	3.67	4.34	4.81	3.51	5.75	6.33	6.39	6.44	3.16	2.66	1.93	1.51
26	3.65	4.41	4.70	3.51	5.76	6.34	6.52	6.39	3.14	2.73	2.03	1.72
27	3.50	4.48	4.84	3.64	5.80	6.40	6.65	6.33	3.09	2.81	2.06	1.76
28	3.47	4.63	4.93	3.75	5.88	6.34	6.72	6.27	3.01	2.57	2.16	1.68
29	3.64	4.73	4.75	3.77	---	6.28	6.79	6.22	2.91	2.59	2.18	1.83
30	3.63	4.82	4.56	3.81	---	6.25	6.88	6.13	2.78	2.59	2.26	1.96
31	3.46	---	4.48	3.82	---	6.20	---	6.12	---	2.72	2.29	---
MAX	4.14	4.82	5.23	4.40	5.88	6.41	6.88	7.01	5.94	---	2.78	2.93
MIN	3.46	3.25	4.48	2.99	3.84	5.95	6.00	6.12	2.78	---	1.91	1.51

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 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 1993											
27...	1115	410	7.83	19.5	10	51	<1	8.8	2.5	25	190
NOV											
22...	1225	367	7.80	14.0	20	60	<1	8.4	1.1	28	K250
DEC											
15...	1100	301	7.58	11.0	40	90	<1	9.1	1.3	30	1200
JAN 1994											
18...	1230	373	7.86	5.5	5	33	<1	12.1	2.3	11	1000
MAR											
02...	1115	241	7.62	9.0	30	62	<1	9.1	2.1	18	500
22...	1150	266	7.61	14.0	30	55	<1	8.7	1.6	24	K450
APR											
19...	1100	263	7.38	18.0	15	22	<1	7.5	1.1	17	K130
MAY											
04...	1140	285	7.49	21.5	10	43	<1	5.8	0.6	15	470
JUN											
01...	1400	292	7.53	24.0	15	27	<1	5.7	0.4	20	1200
JUL											
18...	1330	368	7.69	29.0	5	65	<1	5.7	0.3	23	--
AUG											
25...	1130	476	7.82	30.0	5	9.0	<1	6.5	0.6	15	K25
SEP											
21...	1400	442	7.23	27.5	--	--	<1	7.3	1.6	<10	K25

< 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 1993 TO SEPTEMBER 1994

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCHI, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 1993												
27...	K80	K20	170	43	14	21	4.2	112	113	--	24	0.2
NOV 22...	K5	120	140	36	11	20	3.8	102	--	39	23	--
DEC 15...	430	620	110	31	8.9	13	3.3	87	86	32	15	0.1
JAN 1994												
18...	K12	K24	150	40	12	17	2.9	112	--	40	21	0.1
MAR 02...	<5	85	76	21	5.8	12	2.5	59	60	27	16	<0.1
22...	<5	K25	100	28	7.2	13	2.6	70	--	30	17	0.1
APR 19...	<5	K20	100	28	7.7	13	2.4	71	71	30	15	0.1
MAY 04...	K2	96	110	32	8.2	11	2.6	82	82	33	14	0.2
JUN 01...	<2	K64	120	32	9.6	12	2.6	94	89	33	18	0.1
JUL 18...	58	K20	130	35	11	20	2.9	108	--	43	24	0.2
AUG 25...	<2	K20	170	43	14	30	3.4	116	119	55	34	0.2
SEP 21...	K7	K7	160	40	14	25	3.5	117	--	56	28	0.2
DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 1993												
27...	8.0	241	229	141	--	<0.01	--	1.0	--	0.04	0.50	0.40
NOV 22...	--	--	194	180	0.03	--	0.92	--	0.05	--	--	0.60
DEC 15...	6.8	178	165	450	E0.08	0.01	--	0.77	E0.06	0.04	1.0	--
JAN 1994												
18...	7.1	238	212	4	0.01	0.01	1.0	1.0	0.06	0.06	0.61	0.52
MAR 02...	5.0	142	128	310	0.03	<0.01	0.65	0.61	0.06	0.04	0.40	--
22...	5.6	153	149	20	0.02	0.02	0.82	0.84	0.06	0.05	0.91	0.57
APR 19...	4.7	150	147	64	0.02	0.02	0.66	0.67	0.06	0.07	0.54	--
MAY 04...	5.0	176	120	100	0.03	0.03	0.73	0.73	0.06	0.04	0.64	--
JUN 01...	5.1	172	169	84	0.01	0.02	0.69	0.74	0.06	0.04	0.56	--
JUL 18...	6.5	250	212	152	0.01	<0.01	1.2	1.1	0.03	0.02	0.92	0.52
AUG 25...	4.8	267	259	48	0.01	0.01	0.66	0.68	0.03	0.03	0.60	--
SEP 21...	3.8	262	241	12	0.01	0.01	0.68	--	0.03	0.02	1.2	0.24

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

E Estimated value.

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 1993 TO SEPTEMBER 1994

DATE	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
OCT 1993											
27...	0.09	0.06	--	0.07	10	2	--	83	<10	--	<1
NOV											
22...	0.22	--	0.08	--	--	3	1	--	<1	<1	1
DEC											
15...	0.22	0.04	E0.21	0.05	--	4	<1	--	2	1	<1
JAN 1994											
18...	0.09	0.04	0.07	0.04	--	1	<1	--	<1	<1	<1
MAR											
02...	0.07	0.04	0.10	0.03	30	<1	--	44	<1	--	<1
22...	0.16	0.03	0.08	0.04	--	3	<1	--	<1	<1	<1
APR											
19...	0.12	0.04	0.08	0.04	30	2	--	52	<1	--	<1
MAY											
04...	0.20	0.08	0.11	0.04	<10	2	--	55	1	--	<1
JUN											
01...	0.15	0.03	0.08	0.02	30	3	--	64	1	--	<1
JUL											
18...	0.18	0.06	0.11	0.07	--	3	2	--	<1	<1	1
AUG											
25...	0.11	0.06	0.07	0.04	<10	2	--	77	1	--	<1
SEP											
21...	0.08	0.04	0.07	0.05	--	2	2	--	<1	<1	<1
DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 1993											
27...	--	3	<1	<3	16	--	6	4	--	6	5
NOV											
22...	<1	1	<1	--	11	8	43	5	<1	--	--
DEC											
15...	<1	5	<1	--	21	6	120	8	<1	--	--
JAN 1994											
18...	<1	2	<1	--	9	4	74	3	<1	--	--
MAR											
02...	--	5	<1	<3	11	--	57	7	--	6	10
22...	<1	3	<1	--	12	5	110	4	<1	--	--
APR											
19...	--	10	<1	3	7	--	100	3	--	9	31
MAY											
04...	--	<5	<1	<3	7	--	69	4	--	10	33
JUN											
01...	--	<5	<1	<3	8	--	51	4	--	14	23
JUL											
18...	<1	4	<1	--	12	5	13	4	<1	--	--
AUG											
25...	--	<5	<1	<3	6	--	4	2	--	4	2
SEP											
21...	<1	<1	<1	--	5	3	10	1	<1	--	--

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

E Estimated value.

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 1993											
27...	--	<0.1	<10	7	2	<1	<1	<1	210	<6	20
NOV											
22...	<0.1	<0.1	--	5	3	<1	<1	--	--	3	20
DEC											
15...	<0.1	<0.1	--	8	3	<1	<1	--	--	3	30
JAN 1994											
18...	<0.1	0.1	--	3	<1	<1	<1	--	--	1	20
MAR											
02...	--	0.1	<10	7	1	<1	<1	<1	110	1	30
22...	<0.1	0.2	--	8	2	<1	<1	--	--	<1	20
APR											
19...	--	<0.1	<10	3	2	<1	<1	<1	130	1	10
MAY											
04...	--	<0.1	<10	4	1	<1	<1	<1	130	<1	20
JUN											
01...	<0.1	0.1	<10	5	2	<1	<1	<1	150	1	--
JUL											
18...	<0.1	0.1	--	7	3	<1	<1	--	--	2	30
AUG											
25...	--	<0.1	<10	3	2	<1	<1	<1	250	2	20
SEP											
21...	<0.1	<0.1	--	2	3	<1	<1	--	--	2	6

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	SI- MAZINE, WATER, DISS, REC (UG/L)	PRO- METRYN, WATER, DISS, REC (UG/L)	PRO- METON, WATER, DISS, REC (UG/L)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L)	CYANA- ZINE, WATER, DISS, REC (UG/L)
OCT 1993											
27...	--	5.8	<0.01	<1	1	--	--	--	--	--	--
NOV											
22...	<4	7.4	<0.01	5	1	--	--	--	--	--	--
DEC											
15...	4	7.8	<0.01	--	<1	0.06	<0.05	<0.05	<0.05	0.05	<0.2
JAN 1994											
18...	5	4.9	<0.01	3	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2
MAR											
02...	--	7.6	<0.01	<1	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2
22...	5	6.5	<0.01	2	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2
APR											
19...	--	5.5	<0.01	<1	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2
MAY											
04...	--	6.0	<0.01	3	<1	<0.05	<0.05	<0.05	<0.05	0.05	0.2
JUN											
01...	--	6.8	<0.01	<1	<1	0.08	<0.05	<0.05	<0.05	0.09	0.3
JUL											
18...	6	6.7	<0.01	<1	<1	0.08	<0.05	<0.05	0.05	0.15	0.4
AUG											
25...	--	4.6	<0.01	<1	<1	E0.09	<0.05	<0.05	<0.05	<0.05	<0.2
SEP											
21...	4	4.1	<0.01	8	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2

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

E Estimated value.

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	AMETRYN WATER, DISS, REC, (UG/L)	PROP- AZINE WATER DISS REC (UG/L)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L)	DI- SYSTON TOTAL (UG/L)	PHORATE TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	DEF TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	LINDANE TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)
OCT 1993											
27...	--	--	--	--	--	<0.05	--	<0.1	<0.01	<0.01	<0.01
NOV											
22...	--	--	--	--	--	<0.05	--	<0.1	<0.01	<0.01	<0.01
DEC											
15...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
JAN 1994											
18...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
MAR											
02...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
22...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
APR											
19...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
MAY											
04...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
JUN											
01...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
JUL											
18...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
AUG											
25...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1
SEP											
21...	<0.05	<0.05	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1

DATE	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	METO- LACHLOR WATER DISSOLV (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)
OCT 1993											
27...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	--	<0.01
NOV											
22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	--	<0.01
DEC											
15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.05	<0.01
JAN 1994											
18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.05	<0.01
MAR											
02...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.05	<0.01
22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.05	<0.01
APR											
19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	0.09	<0.01
MAY											
04...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	0.27	<0.01
JUN											
01...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	0.30	<0.01
JUL											
18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	0.29	<0.01
AUG											
25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.05	<0.01
SEP											
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.05	<0.01

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	PCB, TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	ATRA- ZINE, WATER, DISS, REC (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	MIREX, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 1993											
27...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	--	<0.5	<0.5	<0.01	<0.5
NOV											
22...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	--	<0.5	<0.5	<0.01	<0.5
DEC											
15...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.22	<0.01	<0.01	<0.01	<0.01
JAN 1994											
18...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	<0.01	<0.01
MAR											
02...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	<0.01
22...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	<0.01	<0.01	<0.01
APR											
19...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.30	<0.01	<0.01	<0.01	<0.01
MAY											
04...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.55	<0.01	<0.01	<0.01	<0.01
JUN											
01...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.90	0.02	<0.01	<0.01	<0.01
JUL											
18...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.86	0.04	<0.01	<0.01	<0.01
AUG											
25...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	E0.08	<0.02	<0.01	<0.01	<0.01
SEP											
21...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01

DATE	TOTAL TRI- THION (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	ALA- CHLOR, WATER, DISS, REC, (UG/L)	2, 4-DP TOTAL (UG/L)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 1993								
27...	<0.01	<0.01	--	<0.5	--	--	4.4	0.3
NOV								
22...	<0.01	<0.01	--	<0.5	--	--	1.6	<0.1
DEC								
15...	<0.01	--	<0.05	<0.01	<0.01	<0.05	1.6	0.1
JAN 1994								
18...	<0.01	--	<0.05	<0.01	<0.01	<0.05	0.7	<0.1
MAR								
02...	<0.01	--	<0.05	<0.01	<0.01	<0.05	0.4	<0.1
22...	<0.01	--	<0.05	<0.01	<0.01	<0.05	1.9	0.1
APR								
19...	<0.01	--	<0.05	<0.01	<0.01	<0.05	3.0	0.1
MAY								
04...	<0.01	--	<0.05	<0.01	<0.01	<0.05	1.4	0.5
JUN								
01...	<0.01	--	<0.05	<0.01	<0.01	<0.05	1.8	<0.1
JUL								
18...	<0.01	--	<0.05	<0.01	<0.01	<0.05	1.9	0.2
AUG								
25...	<0.01	--	<0.05	<0.01	<0.01	<0.05	1.9	0.2
SEP								
21...	<0.01	--	<0.05	<0.01	<0.01	<0.05	2.5	0.2

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

E Estimated value.

MISSISSIPPI RIVER DELTA
 07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1993				
27...	147000	176	70000	96
NOV				
22...	148000	234	93000	94
DEC				
15...	215000	350	203000	75
JAN 1994				
18...	145000	110	43000	85
MAR				
02...	256000	305	211000	56
22...	288000	330	257000	51
APR				
19...	267000	252	182000	73
MAY				
04...	303000	341	279000	71
JUN				
01...	232000	237	149000	89
23...	119000	281	90000	100
JUL				
06...	114000	319	98000	100
18...	114000	292	90000	100
AUG				
25...	78000	154	33000	100
SEP				
21...	80000	63	14000	99

MISSISSIPPI RIVER DELTA

07381650 LOWER ATCHAFALAYA RIVER BELOW SWEETBAY LAKE, NEAR MORGAN CITY, LA

LOCATION.—Lat 29°33'06", long 91°14'41", in sec.21, T.17 S., R.12 E., St. Mary Parish, gage attached to wharf of Texas Oil Company at Mile 129.5 from head of Atchafalaya River via Atchafalaya Basin main channel, and 10.3 mi south of Morgan City.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1986 to current year (gage heights only). October 1985 to September 1986 (elevations only). Elevations, February 1956 to September 1985 are in reports of Corps of Engineers, New Orleans District.

GAGE.—Water-stage recorder. Datum of gage is 0.78 ft below sea level. Prior to Oct. 1, 1986, datum of gage was sea level.

REMARKS.—Gage heights affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 7.11 ft, Aug. 26, 1992; minimum gage height, -0.60 ft, Aug. 26, 1992.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum elevation, 8.05 ft, June 27, 1957; minimum elevation, -1.55 ft, Nov. 6, 1959.

EXTREMES FOR CURRENT YEAR.—Maximum recorded gage height, 5.14 ft, April 28; minimum gage height 1.82 ft, Sept. 23, but may have been lower during the periods of missing record..

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.77	3.41	3.29	2.87	4.28	4.18	4.73	4.49	2.45	2.54	2.64
2	---	2.76	3.55	3.22	2.93	4.14	4.22	4.74	4.36	2.59	2.64	2.46
3	---	2.80	3.63	3.13	3.00	4.04	4.18	4.86	4.21	2.68	2.84	2.30
4	---	2.93	3.51	2.77	3.09	4.05	4.13	4.68	4.09	2.79	2.76	2.44
5	---	2.90	3.29	2.73	3.23	4.07	4.31	4.67	4.04	2.98	2.70	2.55
6	---	2.36	3.30	2.80	3.28	4.18	4.26	4.73	3.91	2.76	2.72	2.62
7	---	2.28	3.29	2.68	3.32	4.27	4.13	4.75	3.82	3.07	2.67	2.58
8	---	2.50	3.30	2.48	3.43	4.29	4.22	4.76	3.70	3.18	2.76	2.57
9	---	2.46	3.37	2.64	3.54	4.46	4.32	4.73	3.57	3.03	2.78	2.60
10	---	2.48	3.48	2.60	3.79	4.22	4.38	4.73	3.54	3.09	2.74	2.59
11	---	2.70	3.39	2.62	3.63	4.28	4.43	4.78	3.42	3.15	2.73	2.53
12	---	2.86	3.40	2.63	3.67	4.37	4.40	4.80	3.35	3.15	2.69	2.50
13	---	3.00	3.76	2.66	3.62	4.33	4.31	4.84	3.29	3.18	2.71	2.54
14	---	3.12	---	2.48	3.66	4.35	4.38	4.89	3.21	3.13	2.75	2.56
15	---	2.88	---	2.31	3.78	4.38	4.48	4.87	3.18	3.02	2.69	2.62
16	---	3.08	3.68	2.50	3.81	4.34	4.44	4.84	3.01	2.90	2.68	2.69
17	---	2.87	3.66	2.87	3.89	4.39	4.39	4.82	2.89	2.80	2.84	2.64
18	---	2.68	3.72	2.46	3.96	4.43	4.42	4.79	2.82	2.72	2.78	2.41
19	---	2.79	3.76	2.52	4.04	4.41	4.43	4.67	2.79	2.75	2.70	2.31
20	---	2.40	3.88	2.64	4.09	4.48	4.42	4.67	2.97	2.83	2.86	2.35
21	---	2.46	3.64	2.60	4.08	4.47	4.46	4.69	2.95	2.92	2.68	2.35
22	---	2.55	3.74	2.72	4.20	4.43	4.49	4.77	2.89	2.90	2.56	2.58
23	---	2.64	3.65	2.84	4.16	4.55	4.48	4.80	3.16	2.80	2.49	---
24	---	2.74	3.68	2.85	3.99	4.53	4.61	4.80	3.24	2.72	2.35	---
25	3.40	2.83	3.58	2.86	4.14	4.43	4.73	4.81	2.97	2.65	2.41	---
26	3.31	2.81	3.56	2.89	4.05	4.59	4.87	4.82	3.01	2.74	2.43	---
27	3.02	2.80	3.55	3.22	4.05	4.74	4.86	4.80	2.91	2.82	2.53	---
28	2.99	3.02	3.51	3.06	4.12	---	4.89	4.80	2.81	2.48	2.60	---
29	3.28	3.13	3.34	2.96	---	---	4.89	4.76	2.68	2.53	2.65	---
30	2.87	3.23	3.18	2.99	---	4.25	4.88	4.49	2.54	2.51	2.70	---
31	2.58	---	3.24	2.86	---	4.14	---	4.56	---	2.58	2.70	---
MAX	---	3.23	---	3.29	4.20	---	4.89	4.89	4.49	3.18	2.86	---
MIN	---	2.28	---	2.31	2.87	---	4.13	4.49	2.54	2.45	2.35	---

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.—No estimated daily discharges. Records fair. Slight regulation at low flow by Cocodrie Lake. Several measurements of water temperature were made during the year. Reverse flow: Nov. 13-15, 1922.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	127	673	238	1280	838	188	364	379	242	242	137
2	109	128	623	238	1250	832	178	312	412	220	223	141
3	109	130	564	230	1210	831	170	411	408	201	206	142
4	108	131	555	218	1180	825	163	505	373	186	201	142
5	106	132	533	215	1160	806	159	534	348	173	189	141
6	105	132	505	213	1150	782	308	518	315	164	181	141
7	103	132	473	207	1140	753	403	474	283	154	172	143
8	101	131	437	201	1120	707	464	436	257	155	169	142
9	101	137	405	192	1100	714	464	405	238	155	187	141
10	101	137	413	184	1090	766	435	531	291	154	203	137
11	100	136	413	180	1120	804	397	597	371	197	209	140
12	99	136	425	176	1130	807	405	618	391	354	202	140
13	101	135	451	175	1120	789	434	586	398	530	193	140
14	105	165	463	172	1100	764	473	537	384	581	184	136
15	107	425	464	163	1070	727	499	492	354	622	175	135
16	109	777	446	160	1040	663	604	476	324	618	163	136
17	111	915	402	374	1020	597	713	533	290	588	154	137
18	112	976	375	709	991	537	722	634	265	542	147	135
19	111	980	349	836	965	484	675	684	242	557	145	129
20	111	963	327	856	938	438	612	655	227	561	143	128
21	113	939	303	840	913	395	565	591	213	581	147	127
22	114	914	296	818	892	355	510	523	200	562	167	126
23	114	888	303	794	903	322	456	462	205	548	171	125
24	115	863	307	766	919	298	407	406	229	530	164	126
25	116	838	321	727	921	275	363	356	280	476	157	128
26	116	812	316	664	903	257	324	311	346	427	148	127
27	115	788	298	795	880	248	288	276	355	400	142	127
28	115	763	283	1060	855	241	257	256	325	370	141	125
29	122	737	271	1260	—	227	226	267	294	325	139	125
30	129	708	258	1320	—	214	253	308	267	286	138	124
31	125	—	244	1310	—	199	—	352	—	260	137	—
TOTAL	3412	15175	12496	16291	29360	17495	12115	14410	9264	11719	5339	4023
MEAN	110	506	403	526	1049	564	404	465	309	378	172	134
MAX	129	980	673	1320	1280	838	722	684	412	622	242	143
MIN	99	127	244	160	855	199	159	256	200	154	137	124
AC-FT	6770	30100	24790	32310	58240	34700	24030	28580	18380	23240	10590	7980
CFSM	.46	2.11	1.68	2.19	4.37	2.35	1.68	1.94	1.29	1.58	.72	.56
IN.	.53	2.35	1.94	2.53	4.55	2.71	1.88	2.23	1.44	1.82	.83	.62

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1994, BY WATER YEAR (WY)

MEAN	186	304	519	644	677	638	614	566	344	282	233	193
MAX	1174	1979	1738	1780	1379	1155	1603	4052	1175	1921	943	698
(WY)	1985	1986	1983	1983	1974	1992	1949	1953	1989	1989	1975	1979
MIN	53.6	56.0	66.4	103	128	165	118	81.4	57.4	63.1	65.4	58.1
(WY)	1953	1925	1925	1981	1981	1954	1963	1965	1960	1960	1948	1952

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR			FOR 1994 WATER YEAR			WATER YEARS 1923 - 1994		
ANNUAL TOTAL	160238			151099					
ANNUAL MEAN	439			414			433		
HIGHEST ANNUAL MEAN							720		
LOWEST ANNUAL MEAN							178		
HIGHEST DAILY MEAN	1170	Apr	11	1320	Jan	30	25000	May	19
LOWEST DAILY MEAN	86	Jun	10	99	Oct	12	.00	Nov	13
ANNUAL SEVEN-DAY MINIMUM	98	Jun	5	101	Oct	7	31	Jan	10
INSTANTANEOUS PEAK FLOW				1330	Jan	30	28200	May	18
INSTANTANEOUS PEAK STAGE				17.48	Jan	30	26.72	May	18
INSTANTANEOUS LOW FLOW				99	Oct	12,13	5.3	Nov	8
INSTANTANEOUS LOW STAGE				5.62	Oct	12,13			
ANNUAL RUNOFF (AC-FT)	317800			299700			313900		
ANNUAL RUNOFF (CFSM)	1.83			1.72			1.81		
ANNUAL RUNOFF (INCHES)	24.84			23.42			24.53		
10 PERCENT EXCEEDS	925			890			974		
50 PERCENT EXCEEDS	316			312			277		
90 PERCENT EXCEEDS	111			127			86		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.77	6.08	12.66	7.85	17.19	13.66	7.05	9.09	9.24	7.76	7.76	6.26
2	5.78	6.11	12.17	7.86	16.97	13.61	6.90	8.57	9.58	7.49	7.52	6.33
3	5.78	6.13	11.58	7.75	16.74	13.60	6.78	9.56	9.53	7.23	7.30	6.34
4	5.76	6.16	11.49	7.58	16.52	13.54	6.68	10.50	9.18	7.01	7.23	6.34
5	5.74	6.17	11.27	7.54	16.37	13.37	6.61	10.80	8.93	6.83	7.06	6.32
6	5.71	6.17	10.98	7.51	16.28	13.15	8.51	10.63	8.60	6.68	6.94	6.32
7	5.68	6.17	10.64	7.43	16.17	12.88	9.49	10.19	8.25	6.54	6.80	6.35
8	5.66	6.16	10.26	7.34	16.01	12.46	10.09	9.81	7.96	6.55	6.77	6.34
9	5.65	6.25	9.90	7.22	15.82	12.53	10.10	9.50	7.71	6.54	7.03	6.31
10	5.65	6.26	9.99	7.10	15.76	13.00	9.81	10.76	8.32	6.53	7.25	6.26
11	5.64	6.23	9.99	7.04	15.99	13.35	9.43	11.42	9.16	7.15	7.34	6.30
12	5.63	6.24	10.13	6.98	16.11	13.38	9.51	11.63	9.36	8.98	7.24	6.30
13	5.66	6.27	10.41	6.96	16.02	13.22	9.79	11.32	9.44	10.75	7.11	6.30
14	5.71	6.80	10.54	6.91	15.82	12.98	10.18	10.82	9.29	11.26	6.98	6.25
15	5.75	9.89	10.55	6.79	15.62	12.64	10.45	10.37	8.99	11.68	6.86	6.22
16	5.78	13.40	10.35	6.72	15.41	12.07	11.49	10.21	8.69	11.63	6.68	6.23
17	5.80	14.70	9.86	9.31	15.18	11.42	12.52	10.79	8.32	11.34	6.54	6.26
18	5.82	15.31	9.55	12.69	14.97	10.83	12.60	11.79	8.04	10.87	6.43	6.22
19	5.81	15.40	9.25	13.71	14.74	10.30	12.18	12.26	7.76	11.02	6.38	6.13
20	5.80	15.24	8.99	13.82	14.52	9.83	11.57	11.99	7.58	11.07	6.35	6.10
21	5.84	15.03	8.70	13.68	14.31	9.41	11.10	11.36	7.39	11.26	6.41	6.08
22	5.85	14.82	8.60	13.48	14.13	9.00	10.56	10.69	7.21	11.08	6.73	6.07
23	5.86	14.60	8.70	13.26	14.22	8.67	10.01	10.07	7.28	10.94	6.79	6.06
24	5.87	14.38	8.74	13.00	14.35	8.41	9.52	9.51	7.60	10.76	6.69	6.07
25	5.88	14.16	8.91	12.65	14.38	8.16	9.09	9.01	8.21	10.21	6.57	6.10
26	5.88	13.93	8.85	12.08	14.22	7.95	8.68	8.55	8.91	9.73	6.43	6.09
27	5.87	13.71	8.64	13.26	14.02	7.85	8.31	8.17	9.01	9.45	6.33	6.08
28	5.86	13.49	8.44	15.53	13.81	7.76	7.94	7.94	8.70	9.15	6.32	6.06
29	5.99	13.25	8.29	17.08	—	7.58	7.56	8.07	8.37	8.69	6.29	6.05
30	6.11	12.98	8.12	17.46	—	7.40	7.85	8.52	8.06	8.29	6.26	6.03
31	6.05	—	7.94	17.39	—	7.20	—	8.97	—	7.98	6.25	—
MAX	6.11	15.40	12.66	17.46	17.19	13.66	12.60	12.26	9.58	11.68	7.76	6.35
MIN	5.63	6.08	7.94	6.72	13.81	7.20	6.61	7.94	7.21	6.53	6.25	6.03

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—Estimated daily discharges: Feb. 24 - Mar. 22, June 14-16 (no auxiliary gage readings), Aug. 3, 6-9 indefinite stage-discharge relationship; records fair. 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.—48 years, 1,121 ft³/s, 812,200 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, 4,810 ft³/s, Feb. 4, elevation, 26.80 ft; maximum elevation, 27.80 ft, Jan. 30; minimum daily discharge, 137 ft³/s, Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	193	224	862	536	4580	e1450	395	823	2020	330	621	215
2	187	216	788	588	4710	e1900	329	769	1930	307	400	229
3	180	197	726	613	4770	e1950	312	954	1670	301	e260	246
4	181	191	982	604	4780	e1800	307	1790	1340	244	225	224
5	176	190	1170	513	4760	e1700	315	1750	1020	236	310	211
6	163	187	941	449	4710	e1450	1110	1520	750	245	e290	208
7	177	183	849	532	4640	e1220	2040	1170	833	249	e270	212
8	180	185	720	657	4540	e1120	1800	786	595	322	e260	203
9	181	194	632	515	4440	e1150	1400	1070	378	395	e310	193
10	207	221	966	484	4300	e1220	1030	1670	707	333	428	216
11	193	223	1600	482	4200	e1300	802	2480	828	455	701	184
12	185	220	1370	464	4120	e1310	1040	2370	729	1030	772	184
13	192	216	1460	447	4080	e1270	1780	1870	868	1280	540	179
14	241	381	2190	421	4030	e1230	1660	1340	e770	1110	226	181
15	224	2480	2000	373	3930	e1170	1350	1100	e590	1070	423	177
16	221	3290	1640	337	3700	e1140	2260	1130	e500	1340	388	173
17	213	3350	1300	1500	3300	e1070	2260	1350	407	1210	248	189
18	200	3410	982	2990	2760	e980	1780	2450	384	961	275	177
19	188	3460	773	3070	2160	e900	1350	2890	346	933	293	161
20	175	3350	757	2960	1670	e820	1020	2730	287	1090	283	162
21	187	3010	701	2710	1490	e730	1080	2330	256	1020	289	170
22	188	2520	648	2270	1410	e660	1120	1540	230	965	280	159
23	201	1930	871	1750	2780	479	895	1060	271	873	303	157
24	189	1480	870	1380	e2870	452	754	808	604	1480	310	154
25	181	1260	816	1180	e2950	479	634	628	1410	1300	294	152
26	176	1130	744	1120	e1810	493	510	576	887	957	272	149
27	174	1030	672	3060	e1420	483	450	504	579	646	274	146
28	172	968	623	3430	e1380	485	429	448	546	1030	261	145
29	324	886	819	3640	---	489	352	403	473	1050	240	142
30	798	882	683	4050	---	482	293	1010	387	780	229	137
31	331	---	549	4370	---	439	---	1630	---	709	220	---
TOTAL	6778	37464	30704	47495	96290	31821	30857	42949	22595	24251	10495	5435
MEAN	219	1249	990	1532	3439	1026	1029	1385	753	782	339	181
MAX	798	3460	2190	4370	4780	1950	2260	2890	2020	1480	772	246
MIN	163	183	549	337	1380	439	293	403	230	236	220	137
AC-FT	13440	74310	60900	94210	191000	63120	61200	85190	44820	48100	20820	10780
CAL YR	1993	MEAN	1120	MAX	4350	MIN	108	AC-FT	810700			
WTR YR	1994	TOTAL	387134	MEAN	1061	MAX	4780	AC-FT	767900			

e Estimated

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.35	18.40	17.60	17.64	27.52	19.85	18.43	19.05	21.24	17.84	17.90	18.39
2	18.35	18.31	17.24	17.78	27.28	22.64	18.33	19.08	20.73	17.89	17.95	18.48
3	18.33	18.23	17.18	18.00	27.02	22.78	18.33	19.52	20.09	17.84	18.27	18.47
4	18.31	18.28	17.54	18.04	26.90	22.12	18.45	20.80	19.39	17.93	18.34	18.31
5	18.32	18.30	18.32	17.79	26.81	20.93	18.50	20.47	18.75	18.10	18.30	18.39
6	18.41	18.26	18.13	17.47	26.79	19.84	19.99	19.88	18.62	18.29	18.50	18.41
7	18.46	18.23	17.62	17.34	26.71	19.29	21.89	19.25	19.09	18.36	18.69	18.42
8	18.46	18.22	16.98	17.80	26.47	18.99	21.14	19.30	18.18	18.50	18.73	18.40
9	18.47	18.28	16.62	17.91	26.07	20.28	20.02	20.32	18.62	18.34	18.96	18.41
10	18.52	18.34	17.62	17.76	25.92	22.93	19.05	21.21	19.14	17.86	18.93	18.47
11	18.49	18.38	19.80	17.56	26.31	23.03	18.68	22.22	18.65	17.95	18.70	18.37
12	18.49	18.39	19.75	17.39	26.55	22.36	19.54	21.64	18.55	18.78	18.41	18.41
13	18.52	18.37	19.94	17.27	26.43	21.16	21.42	20.58	18.48	18.85	18.27	18.39
14	18.60	18.52	21.60	17.10	25.92	20.03	20.93	19.85	17.38	18.63	18.48	18.38
15	18.59	22.80	21.09	16.85	25.25	19.42	20.07	19.52	16.82	19.32	18.37	18.36
16	18.57	24.72	19.93	16.49	24.47	19.11	22.41	19.68	16.96	19.67	18.27	18.47
17	18.55	25.12	18.69	18.80	23.50	18.89	22.75	20.33	17.10	18.90	18.35	18.52
18	18.52	25.07	17.83	23.15	22.18	18.71	21.33	22.36	16.95	18.14	18.36	18.30
19	18.49	24.67	17.46	23.47	20.79	18.58	20.17	22.92	16.86	18.80	18.35	18.36
20	18.47	24.03	17.19	23.16	19.75	18.48	19.57	22.41	16.75	19.16	18.36	18.37
21	18.47	23.26	17.01	22.24	19.31	18.40	20.10	21.03	17.13	19.02	18.36	18.39
22	18.46	22.04	17.17	20.79	19.09	18.32	19.83	19.72	17.55	18.98	18.38	18.36
23	18.49	20.57	17.40	19.37	21.99	18.20	19.25	19.15	18.06	19.56	18.44	18.32
24	18.48	19.38	17.86	18.78	23.35	18.19	18.86	18.83	19.05	20.15	18.46	18.32
25	18.46	18.92	17.86	18.87	23.36	18.56	18.62	18.63	20.39	19.59	18.42	18.31
26	18.43	18.51	17.52	18.79	22.36	18.63	18.47	18.47	19.17	18.98	18.37	18.31
27	18.41	18.14	17.07	23.67	20.92	18.61	18.35	18.29	18.83	18.96	18.33	18.32
28	18.41	17.85	16.77	27.00	19.17	18.60	18.16	18.16	18.52	19.60	18.29	18.32
29	18.53	17.79	17.36	27.62	---	18.59	18.06	18.19	18.14	18.96	18.27	18.31
30	18.70	18.22	17.07	27.78	---	18.56	18.31	19.32	17.79	18.71	18.35	18.30
31	18.42	---	17.47	27.71	---	18.50	---	20.62	---	18.30	18.39	---
MAX	18.70	25.12	21.60	27.78	27.52	23.03	22.75	22.92	21.24	20.15	18.96	18.52
MIN	18.31	17.79	16.62	16.49	19.09	18.19	18.06	18.16	16.75	17.84	17.90	18.30

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 Glaisses.

DRAINAGE AREA.—270 mi². See REMARKS.

PERIOD OF RECORD.—July 1943 to current year.

REVISED RECORDS.—WDR LA-77-1: 1973-76.

GAGE.—Water-stage recorder. Datum of gage is 23.46 ft 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 Glaisses diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.—Estimated daily discharges. No auxiliary gage-height record: July 16 to Aug. 10. Records fair. Diversion channel carries natural flow of Bayou des Glaisses except when operation of floodgates, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatin 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.—51 years, 440 ft³/s, 318,800 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, 3,560 ft³/s, Jan. 27, gage height, 18.87; maximum gage height, 18.89 ft, Jan. 28; minimum daily discharge, 15 ft³/s, Oct. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	e135	783	189	1810	634	e170	665	1240	85	576	83
2	47	87	577	289	1790	847	e145	747	1210	53	450	132
3	41	39	389	245	1770	800	e130	964	1210	45	339	111
4	36	29	322	228	1780	730	e125	1010	1220	73	291	77
5	36	37	490	201	1890	581	e120	951	1210	77	301	67
6	38	36	474	175	1860	431	e580	941	1090	73	665	59
7	40	38	369	158	1760	337	e640	927	1000	68	606	63
8	42	56	281	151	1660	e270	e500	1610	931	60	460	84
9	42	73	213	154	1550	e440	e300	1630	860	56	434	90
10	41	141	360	150	1650	e500	e540	1660	775	65	474	77
11	38	178	755	139	1840	e490	746	1520	641	235	452	68
12	43	144	726	134	1700	e440	792	1410	664	639	355	62
13	50	38	677	145	1660	e380	904	1300	473	619	251	58
14	85	18	765	153	1570	e320	762	1220	315	558	193	53
15	78	920	760	139	1480	e250	709	1150	206	550	168	57
16	43	1400	700	125	1400	e220	1200	1100	146	515	160	74
17	26	1620	561	820	1320	e195	1050	1140	90	538	151	66
18	22	1420	412	1040	1220	e180	897	1340	79	431	170	63
19	20	1330	307	1040	1090	e170	812	1290	82	349	196	65
20	15	1350	248	1070	1030	e160	714	1290	59	275	180	62
21	e20	1370	217	1070	989	e150	594	1280	54	289	182	55
22	e28	1380	221	1040	951	e145	456	1240	84	342	260	48
23	e27	1370	433	982	1290	e140	338	1170	139	348	233	42
24	e24	1330	562	915	1150	e140	265	1090	271	541	174	38
25	e21	1270	461	837	1020	e135	212	1010	503	494	134	34
26	e19	1190	340	693	933	e200	159	931	520	361	109	37
27	e18	1120	257	2520	861	e175	130	860	367	387	94	41
28	e17	1040	213	2500	753	e250	111	788	241	974	84	37
29	e70	965	187	1800	—	e280	96	825	159	857	69	36
30	e140	886	171	1740	—	e240	109	1440	113	755	62	35
31	e150	—	159	1780	—	e200	—	1230	—	688	77	—
TOTAL	1375	21010	13390	22622	39777	10430	14306	35729	15952	11400	8350	1874
MEAN	44.4	700	432	730	1421	336	477	1153	532	368	269	62.5
MAX	150	1620	783	2520	1890	847	1200	1660	1240	974	665	132
MIN	15	18	159	125	753	135	96	665	54	45	62	34
AC-FT	2730	41670	26560	44870	78900	20690	28380	70870	31640	22610	16560	3720

CAL YR 1993	TOTAL 152592	MEAN 418	MAX 2190	MIN 15	AC-FT 302700
WTR YR 1994	TOTAL 196215	MEAN 538	MAX 2520	MIN 15	AC-FT 389200

e Estimated

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	—	7.49	3.50	12.39	6.62	—	6.77	9.93	2.68	6.27	2.66
2	2.29	2.70	6.27	4.30	12.27	7.84	—	7.28	9.69	2.37	5.45	3.05
3	2.22	2.20	5.03	3.94	12.20	7.59	—	8.44	9.69	2.28	4.67	2.88
4	2.16	2.07	4.54	3.81	12.25	7.19	—	8.68	9.76	2.57	4.31	2.61
5	2.16	2.18	5.72	3.59	13.08	6.30	—	8.40	9.71	2.61	4.37	2.52
6	2.20	2.16	5.62	3.39	12.68	5.33	—	8.35	9.10	2.58	6.80	2.44
7	2.22	2.20	4.89	3.25	12.15	4.66	—	8.27	8.68	2.53	6.45	2.47
8	2.24	2.41	4.23	3.20	11.75	—	—	13.88	8.29	2.45	5.52	2.67
9	2.25	2.57	3.69	3.23	11.27	—	—	14.64	7.91	2.41	5.35	2.72
10	2.23	3.11	4.75	3.19	12.26	—	—	14.76	7.44	2.50	5.62	2.61
11	2.20	3.41	7.33	3.10	14.54	—	7.15	12.54	6.67	3.76	5.47	2.53
12	2.26	3.14	7.16	3.06	12.60	—	7.52	10.81	6.80	6.64	4.79	2.47
13	2.34	2.14	6.88	3.15	11.75	—	8.15	10.13	5.60	6.53	3.99	2.43
14	2.67	1.85	7.39	3.21	11.35	—	7.37	9.75	4.49	6.16	3.53	2.38
15	2.61	9.26	7.36	3.10	10.98	—	7.44	9.41	3.63	6.10	3.33	2.41
16	2.25	12.03	7.01	2.99	10.60	—	11.96	9.16	3.16	5.88	3.27	2.58
17	2.01	12.37	6.17	7.46	10.21	—	9.54	9.36	2.72	6.03	3.19	2.51
18	1.94	10.78	5.19	9.68	9.81	—	8.11	10.31	2.63	5.33	3.34	2.48
19	1.91	10.26	4.43	8.85	9.39	—	7.65	10.09	2.65	4.75	3.56	2.50
20	1.78	10.35	3.97	9.00	8.98	—	7.10	10.10	2.44	4.18	3.42	2.47
21	—	10.47	3.72	9.02	8.60	—	6.38	10.05	2.39	4.30	3.44	2.40
22	—	10.52	3.75	8.84	8.40	—	5.50	9.83	2.67	4.70	4.06	2.32
23	—	10.48	5.32	8.56	11.10	—	4.67	9.50	3.10	4.74	3.85	2.25
24	—	10.29	6.19	8.21	9.71	—	4.10	9.12	4.15	6.05	3.37	2.19
25	—	9.97	5.53	7.79	8.74	—	3.68	8.70	5.80	5.75	3.06	2.14
26	—	9.62	4.68	6.97	8.31	—	3.26	8.29	5.91	4.83	2.86	2.18
27	—	9.24	4.04	14.74	7.92	—	3.03	7.91	4.88	4.99	2.75	2.23
28	—	8.87	3.69	18.32	7.31	—	2.88	7.52	3.91	8.50	2.67	2.17
29	—	8.47	3.48	16.05	—	—	2.77	7.69	3.26	7.89	2.53	2.16
30	—	8.05	3.35	13.79	—	—	2.87	10.96	2.90	7.33	2.47	2.15
31	—	—	3.26	12.75	—	—	—	10.13	—	6.94	2.61	—
MAX	—	—	7.49	18.32	14.54	—	—	14.76	9.93	8.50	6.80	3.05
MIN	—	—	3.26	2.99	7.31	—	—	6.77	2.39	2.28	2.47	2.14

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 above 9.9 ft 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.

REMARKS.—No gage heights recorded below 9.99 ft (Nov. 21 to Dec. 2).

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 20.64 ft, May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 17.06 ft, Feb.11; minimum gage height 11.36 ft. Oct. 6.

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.41	12.05	13.89	13.57	17.02	15.96	15.04	15.53	15.96	12.85	13.51	12.21
2	11.41	12.24	13.73	13.51	17.00	16.23	14.99	15.50	16.11	12.75	13.36	12.35
3	11.40	12.36	13.57	13.44	16.97	16.29	14.91	15.60	16.09	12.65	13.24	12.58
4	11.39	12.42	13.57	13.38	16.95	16.24	14.82	15.64	15.97	12.57	13.13	12.59
5	11.38	12.45	13.57	13.32	16.97	16.14	14.75	15.68	15.79	12.53	13.02	12.54
6	11.37	12.42	13.53	13.26	16.96	16.03	15.34	15.72	15.61	12.50	12.97	12.57
7	11.38	12.37	13.47	13.20	16.92	15.91	15.96	15.71	---	12.45	12.93	12.60
8	11.40	12.33	13.40	13.17	16.88	15.78	16.07	15.93	---	12.46	12.93	12.54
9	11.42	12.35	13.30	13.20	16.81	15.81	16.07	16.39	---	12.59	12.99	12.50
10	11.44	12.34	13.38	13.23	16.84	16.01	16.00	16.60	---	12.92	13.04	12.80
11	11.44	12.34	13.64	13.23	17.04	16.10	15.91	16.72	---	13.40	13.04	13.00
12	11.44	12.35	13.79	13.23	17.03	16.16	15.93	16.76	---	13.92	13.00	12.97
13	11.45	12.37	14.08	13.22	16.98	16.14	16.03	16.75	---	14.36	12.94	12.86
14	11.47	12.40	14.83	13.20	16.93	16.08	15.99	16.76	---	14.55	12.85	12.76
15	11.47	13.95	15.03	13.16	16.85	16.00	15.93	16.73	---	14.53	12.77	12.67
16	11.48	15.33	15.05	13.09	16.77	15.90	16.19	16.67	---	14.50	12.69	12.74
17	11.48	15.59	14.95	13.56	16.64	15.81	16.34	16.64	---	14.49	12.61	13.30
18	11.48	15.68	14.79	14.51	16.50	15.73	16.36	16.69	---	14.41	12.53	13.33
19	11.48	15.71	14.60	15.01	16.34	15.67	16.32	16.70	---	14.25	12.48	13.17
20	11.48	15.71	14.37	15.12	16.15	15.62	16.26	16.65	---	14.19	12.43	13.03
21	11.51	15.70	14.14	15.11	15.95	15.57	16.40	16.54	---	14.01	12.41	12.89
22	11.52	15.64	13.99	15.01	15.76	15.52	16.32	16.41	---	13.88	12.39	12.75
23	11.50	15.56	13.99	14.83	15.78	15.49	16.25	16.26	13.24	14.14	12.35	12.62
24	11.49	15.40	13.95	14.62	15.99	15.44	16.15	16.11	13.31	14.18	12.34	12.50
25	11.48	15.16	13.90	14.31	16.09	15.39	16.00	15.95	13.64	13.97	12.38	12.41
26	11.47	14.92	13.81	14.11	16.11	15.34	15.86	15.80	13.66	13.73	12.37	12.34
27	11.46	14.69	13.70	15.32	16.06	15.32	15.71	15.66	13.49	13.86	12.33	12.29
28	11.46	14.46	13.60	16.59	15.97	15.27	15.59	15.50	13.30	14.22	12.27	12.22
29	11.55	14.27	13.60	16.89	---	15.22	15.50	15.38	13.13	14.14	12.20	12.16
30	11.73	14.09	13.65	16.99	---	15.16	15.48	15.41	12.97	13.89	12.14	12.09
31	11.82	---	13.62	17.02	---	15.10	---	15.57	---	13.64	12.14	---
MAX	11.82	15.71	15.05	17.02	17.04	16.29	16.40	16.76	---	14.55	13.51	13.33
MIN	11.37	12.05	13.30	13.09	15.76	15.10	14.75	15.38	---	12.45	12.14	12.09

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.—Estimated daily discharge. No auxiliary gage-height record Nov. 15-19, Jan. 28-Feb. 1. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at Weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April, 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi², 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.—45 years, 877 ft³/s, 635,400 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 daily discharge, 2,100 ft³/s, Nov. 16; minimum discharge, 588 ft³/s, Dec. 9, elevation, 12.36 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	829	848	732	732	e1800	1090	1000	1060	1220	920	950	1030
2	829	848	672	754	1750	1390	992	1080	1170	935	936	1070
3	827	843	666	783	1590	1310	988	1240	1140	933	990	1150
4	826	847	679	801	1470	1220	1000	1240	1060	938	1020	1060
5	825	855	724	791	1440	1160	1010	1150	1070	964	1030	1030
6	828	849	758	761	1450	1080	1340	1090	1050	995	1030	1040
7	835	842	718	733	1420	1030	1460	1070	1150	1010	1070	1060
8	838	841	657	743	1390	1010	1280	1060	980	1040	1160	1030
9	839	855	598	787	1370	1190	1120	1170	1050	1070	1200	1030
10	838	858	709	786	1490	1410	1020	1200	1380	1060	1120	1050
11	838	861	876	765	1840	1330	1000	1230	1290	1170	1070	1060
12	840	863	928	742	1740	1230	1240	1210	1470	1260	1030	1060
13	844	865	1070	724	1590	1160	1380	1160	1600	1540	1000	1030
14	849	906	1200	703	1460	1090	1270	1140	1260	1480	1030	1020
15	853	e1900	1050	678	1370	1050	1150	1120	929	1420	1030	1020
16	854	e2100	896	642	1310	1030	1280	1140	832	1280	1010	1060
17	852	e2000	780	865	1250	1020	1330	1190	839	1130	1010	1130
18	855	e1900	708	1190	1180	1010	1230	1240	822	970	1010	1030
19	861	e1750	701	1110	1100	999	1130	1240	805	979	1010	1010
20	863	1600	669	1030	1040	993	1130	1220	771	1060	1020	1010
21	862	1390	641	955	1000	985	1270	1170	808	1060	1020	1010
22	856	1190	665	865	977	978	1170	1110	869	1110	1020	1010
23	855	1030	669	782	1050	974	1120	1070	957	1180	1020	1000
24	856	914	703	767	1240	964	1080	1050	1070	1170	1030	999
25	859	867	735	823	1250	1000	1040	1030	1180	1130	1030	997
26	857	821	716	849	1200	1020	1020	1010	1080	1080	1010	997
27	854	777	669	1750	1110	1020	1000	994	1060	1100	1010	998
28	852	734	625	e1900	1030	1020	982	973	1030	1150	1000	999
29	889	718	665	e2000	---	1020	952	967	982	1070	996	998
30	915	793	635	e1950	---	1010	1020	1030	923	1050	1010	995
31	853	---	681	e1880	---	1010	---	1200	---	1010	1020	---
TOTAL	26331	32465	23195	30641	37907	33803	34004	34854	31847	34264	31892	30983
MEAN	849	1082	748	988	1354	1090	1133	1124	1062	1105	1029	1033
MAX	915	2100	1200	2000	1840	1410	1460	1240	1600	1540	1200	1150
MIN	825	718	598	642	977	964	952	967	771	920	936	995
AC-FT	52230	64390	46010	60780	75190	67050	67450	69130	63170	67960	63260	61450
CAL YR 1993	TOTAL	346147	MEAN	948	MAX	2100	MIN	568	AC-FT	686600		
WTR YR 1994	TOTAL	382186	MEAN	1047	MAX	2100	MIN	598	AC-FT	758100		

e Estimated

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA—Continued

ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.64	13.74	13.14	13.14	17.71	14.28	13.92	14.19	14.85	13.57	13.70	14.03
2	13.64	13.74	12.82	13.26	17.00	15.56	13.88	14.28	14.63	13.64	13.64	14.21
3	13.63	13.71	12.79	13.41	16.35	15.20	13.87	14.90	14.50	13.63	13.87	14.56
4	13.63	13.73	12.86	13.50	15.86	14.85	13.91	14.91	14.18	13.65	14.01	14.18
5	13.62	13.77	13.10	13.45	15.76	14.58	13.97	14.53	14.23	13.76	14.04	14.04
6	13.64	13.74	13.28	13.29	15.78	14.26	15.34	14.28	14.13	13.89	14.05	14.07
7	13.67	13.71	13.09	13.15	15.67	14.05	15.83	14.19	14.54	13.96	14.19	14.19
8	13.69	13.70	12.74	13.20	15.57	13.94	15.10	14.18	13.83	14.10	14.60	14.06
9	13.69	13.78	12.41	13.43	15.45	14.70	14.44	14.63	14.12	14.20	14.77	14.03
10	13.69	13.79	13.01	13.43	15.95	15.63	14.01	14.75	15.50	14.19	14.41	14.14
11	13.69	13.80	13.88	13.32	17.35	15.29	13.93	14.89	15.13	14.62	14.20	14.17
12	13.70	13.81	14.13	13.20	16.95	14.90	14.93	14.81	15.85	14.99	14.05	14.17
13	13.72	13.83	14.77	13.10	16.37	14.57	15.50	14.61	16.42	16.17	13.92	14.04
14	13.74	14.01	15.36	12.99	15.83	14.28	15.03	14.50	15.02	15.91	14.03	14.01
15	13.76	18.67	14.70	12.86	15.48	14.13	14.56	14.43	13.61	15.67	14.04	13.98
16	13.77	19.57	13.98	12.66	15.21	14.05	15.09	14.52	13.19	15.10	13.94	14.17
17	13.76	19.16	13.39	13.76	14.97	14.00	15.31	14.73	13.22	14.47	13.95	14.45
18	13.77	18.59	13.02	15.32	14.69	13.96	14.88	14.90	13.15	13.79	13.98	14.05
19	13.80	17.85	12.98	14.95	14.35	13.91	14.45	14.93	13.07	13.83	13.97	13.97
20	13.82	16.92	12.81	14.61	14.08	13.89	14.34	14.82	12.92	14.18	13.99	13.96
21	13.81	16.12	12.65	14.26	13.91	13.85	15.05	14.62	13.08	14.17	13.98	13.97
22	13.78	15.29	12.79	13.83	13.82	13.82	14.64	14.37	13.35	14.36	13.98	13.96
23	13.77	14.62	12.80	13.40	14.12	13.80	14.42	14.22	13.73	14.68	14.01	13.93
24	13.78	14.06	12.99	13.32	14.90	13.76	14.25	14.13	14.20	14.65	14.04	13.91
25	13.79	13.83	13.16	13.61	14.95	13.93	14.08	14.05	14.66	14.46	14.04	13.90
26	13.79	13.60	13.06	13.74	14.73	14.01	14.00	13.97	14.27	14.27	13.98	13.90
27	13.77	13.38	12.81	17.26	14.38	14.02	13.93	13.89	14.17	14.32	13.94	13.91
28	13.76	13.15	12.57	19.51	14.04	14.01	13.84	13.80	14.03	14.55	13.92	13.91
29	13.94	13.07	12.79	19.54	---	13.99	13.71	13.77	13.84	14.23	13.90	13.91
30	14.07	13.46	12.62	19.13	---	13.98	14.00	14.06	13.59	14.11	13.94	13.89
31	13.77	---	12.87	18.46	---	13.95	---	14.77	---	13.96	13.98	---
MAX	14.07	19.57	15.36	19.54	17.71	15.63	15.83	14.93	16.42	16.17	14.77	14.56
MIN	13.62	13.07	12.41	12.66	13.82	13.76	13.71	13.77	12.92	13.57	13.64	13.89

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA
(National stream-quality accounting network station)

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.

WATER-DISCHARGE RECORDS

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

GAGE.—Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft below sea level. Water-stage recorder for Bayou Teche at Keystone Lock lower gage (station 07385702) used as auxiliary gage for this station.

REMARKS.—No estimated daily discharge. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion freshwater diversion operational during the year anytime the flow in Bayou Courtableau does not bypass by way of Courtableau weirs near Krotz Springs. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water from irrigation is diverted through Ruth Canal (Station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft to 9.47 ft in June 1957. Dam submerged, Jan. 20-23, Apr. 8-10.

AVERAGE DISCHARGE.—35 years, 409 ft³/s, 358,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 3,970 ft³/s, Sept. 5, 1973, maximum gage height, 16.15 ft, Oct. 23, 1984; minimum discharge, no flow at times in 1962-64, 1972, and 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum gage height since July 1913, 24.30 ft, May 27, 1927; minimum, 0.75 ft, July 18, 1918.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 2,930 ft³/s, Nov. 15, gage height, 12.34 ft; minimum discharge, 137 ft³/s, Oct. 10,11 gage height, 9.88 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	241	181	308	240	1080	554	259	463	444	289	321	290
2	247	223	252	261	965	782	253	366	401	296	297	355
3	247	228	223	270	860	688	260	580	393	286	315	418
4	233	225	231	280	764	603	256	538	348	282	371	382
5	227	240	227	269	720	549	260	442	329	301	396	329
6	191	225	249	260	702	492	479	375	341	321	357	312
7	164	211	236	266	683	441	643	337	386	332	367	324
8	152	213	200	237	656	407	562	319	332	361	484	321
9	158	253	158	255	646	626	449	341	294	391	648	310
10	150	242	302	278	1080	729	357	372	534	436	553	329
11	144	229	360	293	1170	686	311	375	750	611	449	344
12	155	229	375	283	960	623	393	379	730	673	404	325
13	172	226	562	276	868	564	541	362	780	781	376	305
14	174	251	726	248	768	505	516	353	685	747	365	296
15	164	1770	581	232	701	461	455	343	489	684	358	299
16	166	1630	470	206	650	438	607	331	369	618	286	333
17	164	1370	374	423	606	405	541	378	344	588	261	412
18	172	1210	294	596	560	389	491	385	334	477	263	341
19	172	1110	262	590	509	374	408	397	303	397	268	298
20	183	986	242	536	465	370	365	386	266	423	271	290
21	194	857	205	483	426	377	427	363	246	427	287	291
22	171	748	216	420	391	367	426	331	266	423	285	290
23	160	635	243	349	412	363	423	292	320	497	307	286
24	157	545	223	306	482	369	424	273	502	493	321	279
25	166	481	240	316	518	344	337	261	479	452	315	279
26	167	435	233	342	516	267	298	254	437	432	288	274
27	166	389	213	1070	482	288	282	258	391	465	282	276
28	158	340	206	1400	433	287	264	253	360	462	282	279
29	331	302	237	1370	---	270	245	298	326	418	285	279
30	466	310	198	1320	---	268	396	345	287	370	289	282
31	235	---	189	1210	---	266	---	375	---	349	285	---
TOTAL	6047	16294	9035	14885	19073	14152	11928	11125	12466	14082	10636	9428
MEAN	195	543	291	480	681	457	398	359	416	454	343	314
MAX	466	1770	726	1400	1170	782	643	580	780	781	648	418
MIN	144	181	158	206	391	266	245	253	246	282	261	274
AC-FT	11990	32320	17920	29520	37830	28070	23660	22070	24730	27930	21100	18700

CAL YR	1993	TOTAL	178389	MEAN	489	MAX	2410	MIN	81	AC-FT	353800
WTR YEAR	1994	TOTAL	149151	MEAN	409	MAX	1770	MIN	144	AC-FT	295800

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.06	9.97	10.17	10.07	11.01	10.46	10.10	10.37	10.35	10.14	10.19	10.14
2	10.07	10.04	10.09	10.10	10.90	10.72	10.09	10.25	10.29	10.15	10.15	10.23
3	10.07	10.05	10.04	10.11	10.80	10.62	10.10	10.50	10.28	10.14	10.18	10.31
4	10.05	10.04	10.05	10.13	10.70	10.53	10.09	10.46	10.22	10.13	10.25	10.27
5	10.05	10.07	10.05	10.11	10.66	10.47	10.10	10.34	10.20	10.16	10.29	10.20
6	9.98	10.04	10.08	10.10	10.64	10.40	10.38	10.26	10.22	10.19	10.24	10.18
7	9.93	10.02	10.06	10.11	10.62	10.34	10.58	10.21	10.27	10.20	10.25	10.19
8	9.91	10.02	10.00	10.06	10.59	10.30	10.48	10.19	10.20	10.24	10.39	10.19
9	9.92	10.09	9.92	10.09	10.58	10.55	10.35	10.21	10.15	10.28	10.58	10.17
10	9.91	10.07	10.14	10.13	10.99	10.67	10.24	10.26	10.45	10.34	10.47	10.20
11	9.90	10.05	10.24	10.15	11.08	10.62	10.17	10.26	10.69	10.54	10.35	10.22
12	9.92	10.05	10.26	10.13	10.90	10.55	10.28	10.27	10.67	10.61	10.30	10.19
13	9.95	10.05	10.47	10.12	10.81	10.49	10.46	10.24	10.72	10.72	10.26	10.16
14	9.95	10.08	10.66	10.08	10.71	10.42	10.43	10.23	10.62	10.69	10.25	10.15
15	9.93	11.53	10.51	10.05	10.64	10.37	10.36	10.22	10.40	10.62	10.24	10.16
16	9.94	11.54	10.38	10.01	10.58	10.34	10.54	10.20	10.25	10.55	10.14	10.20
17	9.93	11.26	10.26	10.30	10.53	10.30	10.46	10.26	10.22	10.51	10.10	10.31
18	9.95	11.13	10.15	10.52	10.48	10.28	10.40	10.27	10.20	10.38	10.10	10.22
19	9.95	11.03	10.10	10.52	10.42	10.26	10.30	10.29	10.16	10.29	10.11	10.16
20	9.97	10.92	10.07	10.46	10.37	10.25	10.25	10.27	10.11	10.32	10.12	10.14
21	9.99	10.80	10.01	10.39	10.32	10.26	10.32	10.24	10.08	10.33	10.14	10.14
22	9.95	10.69	10.03	10.32	10.28	10.25	10.32	10.20	10.11	10.32	10.14	10.14
23	9.93	10.57	10.07	10.23	10.31	10.24	10.32	10.15	10.18	10.41	10.17	10.14
24	9.92	10.46	10.04	10.17	10.39	10.25	10.32	10.12	10.41	10.40	10.19	10.13
25	9.94	10.39	10.07	10.18	10.43	10.22	10.21	10.10	10.39	10.36	10.18	10.13
26	9.94	10.33	10.06	10.22	10.43	10.11	10.16	10.09	10.34	10.33	10.14	10.12
27	9.94	10.28	10.02	10.98	10.39	10.14	10.13	10.10	10.28	10.37	10.13	10.12
28	9.92	10.21	10.01	11.28	10.33	10.14	10.11	10.09	10.24	10.37	10.13	10.13
29	10.17	10.16	10.06	11.26	---	10.11	10.08	10.15	10.19	10.31	10.14	10.13
30	10.37	10.17	10.00	11.22	---	10.11	10.26	10.22	10.14	10.25	10.14	10.13
31	10.06	---	9.98	11.12	---	10.11	---	10.26	---	10.23	10.14	---
MAX	10.37	11.54	10.66	11.28	11.08	10.72	10.58	10.50	10.72	10.72	10.58	10.31
MIN	9.90	9.97	9.92	10.01	10.28	10.11	10.08	10.09	10.08	10.13	10.10	10.12

MISSISSIPPI RIVER DELTA
07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-67, 1975 to current year.

REMARKS.--Location of sampling site was relocated approximately 2.2 miles upstream of lock and dam. The new location enables collection of more representative water sample. 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 1981.

WATER TEMPERATURES: October 1974 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 522 micromhos July 22, 1980; minimum daily, 39 micromhos May 19, 1980.

WATER TEMPERATURES: Maximum daily, 36.0 °C July 8, 1980; minimum daily, 3.5 °C Jan. 19, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCHI KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)
		CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
DEC 1993 08...	1000	200	134	7.16	13.5	60	24	6.5	2.4	--	260	27
MAR 1994 11...	1030	686	122	7.13	16.5	80	72	6.7	1.4	340	500	34
JUN 14...	1030	685	120	7.04	28.0	120	85	2.9	1.0	K460	560	35
AUG 11...	1030	449	226	6.90	28.0	50	43	3.5	1.8	96	50	71
DATE		NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)
DEC 1993 08...	6.3	2.7	14	2.5	30	25	5.2	16	0.1	11	98	75
MAR 1994 11...	7.9	3.5	9.8	2.1	36	33	5.4	11	<0.1	8.3	89	70
JUN 14...	8.3	3.5	7.9	3.0	39	36	3.5	9.8	<0.1	8.5	84	69
AUG 11...	18	6.4	14	3.9	64	--	14	17	0.2	9.0	134	124
DATE		LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SED-MENT, SUS-PENDED (MG/l)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 1993 08...	<4	72	<10	2	<1	<1	32	<6	34	18	100	
MAR 1994 11...	<4	35	10	2	<1	<1	41	<6	60	111	99	
JUN 14...	<4	30	<10	3	<1	<1	44	<6	132	244	96	
AUG 11...	<4	33	<10	2	<1	<1	91	<6	31	38	99	

< 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

07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

LOCATION.—Lat 30°23'55", long 91°56'41", in center of N 1/2 sec.45, T.7 S., R.5 E., Louisiana Meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft upstream from weir, 0.6 mi west of Arnaudville, and 0.9 mi downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1980 to September 1982 (elevation only). October 1982 to current year.

GAGE.—Water-stage recorder and concrete control. Datum of gage is sea level.

REMARKS.—Estimated daily discharges: No gage-height record: Oct. 1-5, Jan. 27-Feb. 1, indefinite stage-discharge relationship Nov. 15-21, Feb. 2-3, June 12-14, July 13-15. Records fair, except those above 660 ft³/s and indefinite stage-discharge relationship, which are poor. 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. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.—Maximum elevation, 21.97 ft, Oct. 31, 1985; minimum, 9.03 ft, Nov. 26, 27, 28, 1990.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 540 ft³/s, April 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e250	255	213	203	e250	318	274	302	371	241	254	282
2	e250	255	184	213	e370	500	271	310	345	247	248	302
3	e245	252	180	226	e450	428	268	391	337	247	269	352
4	e245	254	185	234	495	378	273	398	299	248	283	301
5	e245	258	205	229	471	345	279	342	304	258	285	284
6	249	255	221	217	469	310	452	311	302	271	286	286
7	253	252	201	205	456	288	540	300	343	278	300	299
8	254	251	170	210	444	277	428	298	265	295	343	286
9	254	258	146	230	432	374	340	346	291	312	373	283
10	254	259	198	229	515	503	287	358	451	318	325	293
11	254	260	282	218	e450	436	276	373	444	382	302	296
12	254	260	298	207	e480	385	391	365	e430	440	287	296
13	257	261	369	199	e500	344	473	343	e400	e420	274	283
14	258	279	464	190	492	312	408	331	e350	e440	284	280
15	260	e300	377	179	444	296	348	323	271	e460	286	278
16	260	e250	288	163	412	288	403	333	220	450	276	296
17	260	e200	226	283	387	282	423	356	216	359	276	325
18	261	e250	192	453	356	279	376	375	205	274	279	285
19	263	e300	189	398	319	274	326	376	198	270	279	276
20	263	e350	175	351	290	271	314	364	187	303	281	276
21	263	e400	163	309	273	268	390	342	200	302	279	276
22	260	469	174	265	263	264	350	316	223	328	279	275
23	259	378	176	226	295	262	325	301	257	370	281	272
24	260	309	191	219	377	259	310	292	306	358	285	270
25	261	279	205	245	382	275	291	284	360	331	285	269
26	260	255	197	258	360	283	282	277	313	311	279	269
27	259	233	176	e300	321	284	275	268	300	316	275	270
28	258	214	157	e350	286	283	266	260	286	340	273	271
29	276	205	174	e300	---	281	254	257	267	305	270	270
30	291	239	161	e250	---	280	282	286	242	293	274	269
31	259	---	180	e200	---	277	---	361	---	278	278	---
TOTAL	7995	8240	6717	7759	11039	9904	10175	10139	8983	10045	8848	8570
MEAN	258	275	217	250	394	319	339	327	299	324	285	286

e Estimated

MISSISSIPPI RIVER DELTA
07386200 BAYOU FUSILIER, AT WEIR, AT ARNAUDVILLE, LA—Continued
ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.92	12.48	12.38	---	13.48	13.10	13.36	13.96	12.78	12.90	13.18
2	---	12.92	12.16	12.49	16.31	14.94	13.07	13.43	13.74	12.84	12.85	13.36
3	---	12.89	12.12	12.63	15.53	14.41	13.05	14.10	13.67	12.84	13.06	13.80
4	---	12.91	12.17	12.70	14.90	14.02	13.09	14.17	13.34	12.85	13.18	13.36
5	---	12.94	12.40	12.66	14.73	13.74	13.15	13.72	13.38	12.95	13.21	13.19
6	12.86	12.92	12.57	12.52	14.72	13.43	14.53	13.44	13.35	13.07	13.22	13.21
7	12.90	12.89	12.35	12.40	14.62	13.23	15.22	13.34	13.72	13.14	13.34	13.33
8	12.91	12.88	11.99	12.45	14.53	13.13	14.41	13.33	13.01	13.30	13.71	13.21
9	12.91	12.94	11.70	12.66	14.44	13.94	13.69	13.74	13.26	13.45	13.97	13.19
10	12.90	12.96	12.29	12.65	15.00	14.96	13.22	13.85	14.59	13.51	13.57	13.28
11	12.91	12.97	13.18	12.53	16.78	14.47	13.12	13.98	14.53	14.04	13.36	13.31
12	12.91	12.97	13.33	12.42	16.34	14.07	14.09	13.91	15.41	14.49	13.22	13.31
13	12.93	12.97	13.90	12.33	15.56	13.73	14.75	13.72	16.07	15.85	13.10	13.19
14	12.95	13.14	14.68	12.22	14.88	13.45	14.26	13.62	14.58	15.54	13.20	13.16
15	12.97	18.12	14.00	12.10	14.53	13.31	13.76	13.55	13.06	15.21	13.21	13.14
16	12.97	19.27	13.23	11.91	14.29	13.23	14.21	13.64	12.56	14.57	13.12	13.30
17	12.97	18.90	12.62	13.07	14.08	13.18	14.37	13.83	12.52	13.86	13.12	13.57
18	12.97	18.25	12.25	14.60	13.83	13.15	13.99	13.99	12.40	13.09	13.15	13.20
19	13.00	17.44	12.22	14.17	13.51	13.10	13.58	14.00	12.33	13.06	13.15	13.12
20	13.00	16.48	12.06	13.79	13.26	13.08	13.47	13.90	12.19	13.37	13.17	13.12
21	12.99	15.63	11.91	13.43	13.10	13.04	14.11	13.72	12.34	13.36	13.15	13.12
22	12.97	14.71	12.04	13.02	13.00	13.01	13.78	13.49	12.59	13.59	13.15	13.11
23	12.96	14.01	12.06	12.63	13.29	12.99	13.57	13.36	12.94	13.95	13.17	13.09
24	12.97	13.42	12.24	12.55	14.01	12.96	13.43	13.27	13.39	13.85	13.20	13.07
25	12.98	13.15	12.39	12.82	14.05	13.11	13.26	13.20	13.86	13.62	13.20	13.06
26	12.97	12.91	12.30	12.94	13.86	13.19	13.17	13.13	13.46	13.44	13.15	13.06
27	12.95	12.69	12.07	---	13.53	13.20	13.11	13.05	13.34	13.48	13.11	13.07
28	12.94	12.49	11.84	---	13.22	13.19	13.02	12.97	13.21	13.70	13.09	13.07
29	13.12	12.39	12.04	---	---	13.17	12.91	12.94	13.03	13.39	13.07	13.06
30	13.26	12.75	11.88	---	---	13.16	13.18	13.22	12.79	13.28	13.10	13.05
31	12.95	---	12.12	---	---	13.13	---	13.87	---	13.14	13.14	---
MAX	---	19.27	14.68	---	---	14.96	15.22	14.17	16.07	15.85	13.97	13.80
MIN	---	12.39	11.70	---	---	12.96	12.91	12.94	12.19	12.78	12.85	13.05

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. Elevations only, May 1945 to June 1946 (fragmentary), January 1947 to September 1960 in reports of Corps of Engineers.

GAGE.—Water-stage recorder. Datum of gage is sea level. Auxiliary water-stage recorder 150 ft below control structure at same datum. Since July 12, 1973, water-stage recorder for Ruth Canal at Ruth (station 07386705) used as auxiliary gage for this station. Nov. 4, 1965 to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.—Estimated daily discharges. No base gage record May 13–June 7. Records good. Total flow through control structure diverted from Bayou Teche for irrigation. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 802 ft³/s, Apr. 21, 1966; maximum daily reverse flow, -60 ft³/s, Jan. 31, 1993 (backwater from Vermilion River); minimum daily (unaffected by backwater), 0.03 ft³/s, June 1, 1982.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	396	434	222	263	217	281	418	378	e370	333	334	418
2	395	377	230	265	207	271	417	383	e360	330	335	375
3	397	381	239	281	201	245	413	382	e350	336	336	363
4	399	385	245	286	198	247	415	350	e340	340	337	377
5	391	385	255	289	203	258	416	348	e320	344	320	391
6	386	386	261	285	212	269	394	358	e300	343	336	404
7	413	392	266	282	220	276	378	371	e330	345	347	401
8	452	388	266	286	230	280	372	380	380	342	363	402
9	472	385	267	287	238	261	365	393	398	314	349	406
10	476	381	259	284	240	247	367	400	398	304	313	405
11	476	383	236	283	231	250	378	406	324	296	321	404
12	474	382	251	280	212	251	385	409	315	280	332	409
13	471	379	245	279	200	259	377	e380	271	242	338	409
14	468	368	223	280	195	270	371	e380	215	238	402	411
15	470	374	219	284	195	278	371	e370	185	249	450	412
16	472	292	215	285	201	285	380	e380	182	243	416	414
17	473	228	221	260	210	289	371	e380	197	236	417	412
18	471	160	244	242	222	288	374	e370	218	233	418	411
19	469	142	248	252	233	289	381	e370	238	239	418	415
20	467	123	256	257	240	291	390	e360	257	260	418	418
21	468	111	263	265	251	292	401	e370	275	275	411	417
22	471	103	266	274	260	295	390	e375	293	285	414	417
23	475	100	265	279	265	292	389	e360	309	285	417	415
24	474	103	268	283	279	292	383	e355	310	289	412	418
25	474	116	274	287	284	364	378	e350	302	299	409	418
26	472	136	280	290	286	384	383	e345	307	314	414	420
27	474	153	280	265	290	415	388	e340	319	318	415	418
28	481	171	261	256	290	414	390	e330	327	314	416	418
29	479	189	275	255	---	422	393	e325	331	323	416	418
30	429	209	275	244	---	418	396	e350	335	339	418	416
31	440	---	277	232	---	417	---	e360	---	334	416	---
TOTAL	14025	8116	7852	8440	6510	9390	11624	11408	9056	9222	11858	12232
MEAN	452	271	253	272	232	303	387	368	302	297	383	408
CAL YR	1993		TOTAL	108982.00		MEAN	299					
WTR YR	1994		TOTAL	119733		MEAN	328					

e Estimated

MISSISSIPPI RIVER DELTA
07386700 RUTH CANAL NEAR RUTH, LA--Continued
ELEVATION, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.33	9.11	9.65	9.37	11.94	10.19	9.27	9.84	---	9.51	9.58	9.37
2	9.33	9.30	9.47	9.43	11.60	10.80	9.28	9.63	---	9.54	9.51	9.63
3	9.31	9.29	9.40	9.46	11.28	10.60	9.26	10.16	---	9.51	9.57	9.82
4	9.29	9.29	9.40	9.47	11.01	10.39	9.25	10.13	---	9.51	9.70	9.67
5	9.25	9.29	9.39	9.49	10.87	10.23	9.31	9.88	---	9.57	9.75	9.50
6	9.09	9.22	9.43	9.50	10.82	10.06	9.98	9.71	---	9.62	9.66	9.42
7	8.97	9.20	9.39	9.41	10.76	9.92	10.42	9.59	---	9.65	9.71	9.47
8	8.91	9.21	9.28	9.35	10.71	9.86	10.17	9.50	9.50	9.74	10.14	9.44
9	8.91	9.29	9.17	9.43	10.63	10.34	9.87	9.56	9.51	9.84	10.49	9.42
10	8.87	9.27	9.55	9.48	11.38	10.68	9.67	9.61	10.30	9.92	10.19	9.49
11	8.86	9.25	9.77	9.50	11.95	10.60	9.53	9.64	10.79	10.30	9.94	9.51
12	8.92	9.26	9.83	9.46	11.54	10.43	9.76	9.63	10.79	10.43	9.81	9.46
13	8.98	9.28	10.43	9.43	11.24	10.25	10.15	---	11.03	10.84	9.73	9.39
14	8.96	9.33	10.77	9.38	10.99	10.08	10.06	---	10.73	10.82	9.70	9.37
15	8.94	13.22	10.38	9.32	10.79	9.97	9.90	---	10.15	10.67	9.62	9.37
16	8.95	13.41	10.06	9.30	10.63	9.90	10.20	---	9.85	10.49	9.36	9.48
17	8.96	12.81	9.79	9.80	10.50	9.86	10.13	---	9.78	10.30	9.31	9.67
18	8.97	12.45	9.56	10.38	10.37	9.82	9.97	---	9.73	10.05	9.32	9.46
19	8.99	12.14	9.48	10.34	10.21	9.78	9.73	---	9.63	9.88	9.32	9.34
20	9.00	11.75	9.38	10.19	10.06	9.78	9.60	---	9.53	9.96	9.33	9.31
21	9.00	11.36	9.28	10.02	9.94	9.75	9.80	---	9.48	9.96	9.38	9.29
22	8.92	11.01	9.32	9.84	9.89	9.73	9.78	---	9.53	9.94	9.36	9.30
23	8.88	10.67	9.38	9.66	9.89	9.75	9.75	---	9.71	10.10	9.39	9.28
24	8.90	10.38	9.35	9.56	10.13	9.75	9.75	---	10.05	10.11	9.44	9.28
25	8.92	10.19	9.39	9.62	10.23	9.54	9.59	---	10.11	9.99	9.44	9.26
26	8.92	10.05	9.39	9.69	10.15	9.35	9.50	---	10.01	9.91	9.37	9.25
27	8.91	9.91	9.31	11.70	10.03	9.40	9.43	---	9.87	9.95	9.34	9.25
28	8.92	9.79	9.26	12.68	9.90	9.35	9.37	---	9.75	10.00	9.33	9.25
29	9.36	9.68	9.30	12.69	---	9.31	9.30	---	9.64	9.86	9.32	9.25
30	9.77	9.70	9.23	12.59	---	9.29	9.68	---	9.52	9.73	9.33	9.25
31	9.23	---	9.24	12.29	---	9.26	---	---	---	9.67	9.35	---
MAX	9.77	13.41	10.77	12.69	11.95	10.80	10.42	---	---	10.84	10.49	9.82
MIN	8.86	9.11	9.17	9.30	9.89	9.26	9.25	---	---	9.51	9.31	9.25

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 2.07 ft below mean low Gulf level or 2.85 ft below sea level. Prior to 1982, datum of gage was 1.53 ft below mean low Gulf or 2.31 ft below sea level (levels by Corps of Engineers). Prior to Oct. 1, 1985, water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.—No estimated daily discharges. Records poor. No gage-height and/or velocity record Dec. 20-28, Feb. 3-4, July 21, and Sept. 17-30. Discharges are affected by tide at all stages: diversions above and below station for irrigation. Reverse flow at times during year.

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, -5,480 ft³/s, July 14, 1989; minimum gage height 0.79 ft, Nov. 20, 1969; no flow at times each year.

EXTREMES FOR CURRENT YEAR.—Maximum positive daily discharge recorded, 3,030 ft³/s, Nov. 19, but may have been higher during periods of missing record; maximum negative daily discharge recorded, -158 ft³/s, Nov. 15, but may have been higher during periods of missing record; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	538	1020	1200	347	2030	367	404	1010	654	535	525	475
2	536	870	1020	389	2270	826	387	1030	739	578	434	410
3	537	851	960	402	---	1080	402	971	854	524	395	563
4	481	774	875	430	---	1030	417	1370	816	468	485	825
5	486	776	844	362	1810	884	335	1300	713	325	611	753
6	501	763	723	272	1570	743	555	1150	796	541	639	625
7	529	715	780	326	1340	602	1240	1020	966	382	540	625
8	447	670	600	343	1080	522	1180	898	952	419	476	546
9	513	711	499	267	841	396	1090	816	762	640	1120	462
10	605	830	536	279	95	930	990	795	848	702	1040	423
11	564	802	975	299	309	991	834	797	751	757	928	494
12	565	750	901	357	1120	872	860	742	1260	661	824	534
13	552	722	212	355	1210	790	1090	687	1940	583	743	535
14	619	619	823	358	1160	697	1060	550	1980	1170	650	505
15	658	-158	1230	339	1560	605	978	698	1640	1300	439	546
16	631	681	1320	254	1480	552	889	727	1620	1320	720	473
17	612	2050	1160	65	1360	458	1240	883	1550	1320	628	---
18	611	2820	992	751	1140	406	1230	911	1440	550	651	---
19	602	3030	957	524	950	383	1170	857	1390	498	608	---
20	609	2990	---	692	833	327	1120	750	1220	490	573	---
21	705	2980	---	743	681	304	1120	682	1090	---	546	---
22	759	2880	---	630	664	295	1170	663	964	494	591	---
23	657	2690	---	526	693	223	1100	628	724	508	532	---
24	642	2520	---	458	786	260	1100	549	633	1060	588	---
25	643	2370	---	393	701	318	1080	516	877	1110	568	---
26	647	2270	---	374	668	333	961	486	807	971	567	---
27	705	2050	---	128	597	346	857	476	656	931	502	---
28	688	1910	---	522	488	467	778	363	588	1000	465	---
29	356	1730	398	1130	---	449	746	44	781	806	447	---
30	618	1490	500	1430	---	408	598	256	667	677	416	---
31	1060	---	383	1750	---	443	---	188	---	588	450	---
TOTAL	18676	45176	---	15495	---	17307	26981	22813	30678	---	18701	---
MEAN	602	1506	---	500	---	558	899	736	1023	---	603	---

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.42	6.12	7.76	5.04	9.79	6.54	4.89	7.20	7.52	5.45	5.47	5.52
2	5.48	5.94	7.30	5.09	9.78	8.24	5.10	6.86	7.16	5.56	5.43	7.37
3	5.20	5.78	6.93	4.88	---	7.62	5.20	7.78	7.11	5.26	5.54	7.81
4	5.08	5.66	6.69	4.29	---	7.49	4.92	8.00	6.80	5.11	5.56	7.00
5	5.09	5.63	6.16	4.15	9.38	7.11	5.33	7.80	6.55	5.81	5.80	6.55
6	5.27	5.17	5.96	4.85	9.17	6.54	7.27	7.46	7.01	5.51	5.52	6.17
7	5.42	4.70	5.67	4.73	8.90	6.16	7.56	7.03	7.07	5.39	5.22	6.25
8	5.73	5.19	5.56	3.99	8.61	5.88	7.45	6.67	6.75	6.14	5.66	6.22
9	5.74	5.57	5.39	4.34	8.30	7.13	7.39	6.40	6.40	6.54	6.91	6.14
10	5.32	5.54	6.29	4.93	9.24	7.78	7.25	6.22	7.57	6.94	6.85	6.34
11	5.23	5.44	7.18	5.11	10.50	7.58	6.94	6.07	9.64	7.66	6.45	6.38
12	5.48	5.59	6.77	5.06	10.04	7.55	7.00	6.00	9.64	8.44	6.04	6.06
13	5.85	5.74	8.16	5.05	9.91	7.16	7.34	5.89	9.79	9.42	5.73	5.92
14	5.81	6.29	8.87	4.87	9.75	6.58	7.45	6.25	9.62	9.34	5.48	5.92
15	5.64	12.79	8.33	4.51	9.58	6.14	7.38	6.04	9.50	9.22	5.36	5.81
16	5.61	12.64	8.15	4.67	9.32	5.73	7.65	6.03	9.30	9.13	5.53	5.96
17	5.63	12.35	7.81	6.97	8.96	5.48	7.62	6.08	9.02	9.02	5.43	---
18	5.77	12.15	7.19	7.79	8.56	5.50	7.41	6.01	8.64	8.81	5.39	---
19	5.90	11.94	6.61	7.22	8.18	5.29	7.02	5.79	8.16	8.61	5.37	---
20	5.99	11.76	---	7.04	7.71	5.25	6.63	5.66	7.70	8.23	5.45	---
21	5.81	11.55	---	6.60	7.24	5.14	6.62	5.70	7.19	---	5.86	---
22	5.26	11.34	---	6.04	6.84	4.84	6.76	5.58	6.75	7.55	5.57	---
23	5.15	11.09	---	5.63	6.66	5.28	6.80	5.35	6.67	7.74	5.66	---
24	5.42	10.80	---	5.34	6.22	5.21	6.93	5.25	7.15	7.62	5.91	---
25	5.53	10.45	---	5.18	6.20	5.02	6.88	5.33	7.20	7.15	6.05	---
26	5.61	10.05	---	5.14	6.02	5.31	6.76	5.47	6.87	6.66	5.66	---
27	5.37	9.59	---	8.84	5.57	5.76	6.62	5.41	6.40	6.53	5.58	---
28	5.16	9.12	---	9.97	5.53	5.41	6.49	5.53	5.94	6.63	5.51	---
29	6.50	8.65	5.05	9.57	---	4.79	6.28	6.53	5.56	6.25	5.48	---
30	8.34	8.15	4.65	9.75	---	4.98	6.90	7.74	5.23	5.87	5.47	---
31	6.84	---	4.72	9.78	---	4.81	---	7.83	---	5.62	5.54	---
MAX	8.34	12.79	---	9.97	---	8.24	7.65	8.00	9.79	---	6.91	---
MIN	5.08	4.70	---	3.99	---	4.79	4.89	5.25	5.23	---	5.22	---

MISSISSIPPI RIVER DELTA

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.—Lat 29°57'04", long 92°09'22", on line between secs.60 and 61, T.12 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi south of Abbeville.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1978 to September 1984 (gage heights only) October 1984 to current year. Unpublished gage-height records, August 1960 to September 1978, available in files of the Louisiana District Office, Baton Rouge, La.

REVISED RECORDS.—WDR LA 80-3: 1979.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.34 ft below sea level (levels by Louisiana Department of Transportation and Development, Office of Highways). Prior to 1982 datum of gage 2.95 ft below National Geodetic Vertical of 1929.

REMARKS.—No estimated daily discharges. Records poor. No velocity records: Sept. 17-30. Discharge affected by tide at all stages. Reverse flow at times during the year.

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 daily discharge recorded, 7,220 ft³/s, Nov. 15, but may have been higher during period Sept. 17-30; no flow at times during the year. Maximum negative daily discharge, -441 ft³/s Jan. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	788	686	1560	430	2370	1300	352	1900	2570	539	476	332
2	1090	972	1320	672	2480	3800	212	1480	1970	638	241	1370
3	1210	1190	999	896	2200	1700	764	2930	1560	505	477	2460
4	936	806	1400	381	2230	1430	210	2480	1200	314	555	871
5	1000	1250	836	-220	2260	1280	152	1460	1020	591	786	621
6	856	1380	950	409	2320	887	2160	1310	1620	701	538	529
7	785	321	436	851	2030	763	1780	1130	1220	327	534	651
8	699	740	500	258	1780	478	1200	1120	1060	867	948	766
9	771	1380	248	-87	1770	2430	934	1000	1070	901	861	553
10	823	1200	1220	328	4230	2780	1060	892	1690	1260	1140	785
11	536	721	1520	500	5650	1120	724	685	4400	2420	1130	889
12	688	634	575	560	2420	1290	1270	745	3980	2790	965	631
13	1080	911	1680	546	2190	1340	987	416	3580	4680	856	432
14	983	1180	2170	525	2340	1020	1160	1420	2330	3530	689	287
15	677	7220	1100	448	2280	877	1060	1040	2150	2560	561	419
16	786	6960	1300	-441	2310	818	2250	981	2260	2070	683	137
17	608	2920	1470	3000	1990	322	1480	787	2110	1840	439	---
18	602	2440	1140	3500	1670	604	1350	705	1900	1680	389	---
19	548	1700	691	1190	1590	508	1280	675	1720	1980	544	---
20	612	1660	1000	1270	1530	371	1170	443	1390	1880	434	---
21	1230	1450	668	1220	1100	610	1300	458	1070	1760	1280	---
22	994	1670	635	839	810	161	1170	615	648	1570	866	---
23	400	1670	962	654	1640	273	1630	643	688	2230	870	---
24	548	1600	568	661	942	463	1340	394	2260	2280	1280	---
25	416	2420	629	553	547	666	856	329	1650	1570	902	---
26	763	2830	99	512	1180	-190	681	365	1060	1200	394	---
27	958	2530	392	2900	418	511	646	513	1010	1290	462	---
28	398	2090	800	4700	419	1310	632	889	753	955	415	---
29	2200	1980	1440	3440	---	82	418	1810	728	759	455	---
30	5450	1300	415	3150	---	617	1200	2520	459	839	435	---
31	2460	---	220	2650	---	411	---	3140	---	609	458	---
TOTAL	31895	55811	28943	36295	54696	30032	31428	35275	51126	47135	21063	---
MEAN	1029	1860	934	1171	1953	969	1048	1138	1704	1520	679	---

MISSISSIPPI RIVER DELTA

07386980 VERMILION RIVER AT PERRY, LA—Continued

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.30	4.36	5.27	4.59	3.98	5.22	4.14	5.09	6.18	4.25	4.61	4.84
2	5.16	4.87	5.07	4.22	4.29	4.68	4.55	5.18	5.60	4.68	4.95	4.99
3	4.46	4.62	5.29	3.41	4.56	3.45	4.37	5.84	5.16	4.60	5.18	5.20
4	4.54	4.86	4.93	2.68	4.86	4.09	3.96	5.02	5.01	4.61	4.89	4.84
5	4.53	4.65	3.96	3.27	4.65	4.11	5.06	4.79	5.27	4.94	4.72	5.13
6	4.84	3.19	4.30	4.46	4.59	4.27	4.96	5.01	5.21	4.57	4.53	5.06
7	5.08	3.36	4.47	3.65	4.63	4.64	4.38	4.90	4.96	4.79	4.54	4.95
8	5.55	4.75	4.58	2.20	4.91	4.76	5.02	4.68	4.97	5.30	4.81	5.02
9	5.21	4.99	4.81	4.20	4.95	5.43	5.41	4.58	4.87	5.19	5.00	5.05
10	4.28	4.53	4.94	4.65	5.83	3.82	5.51	4.57	5.00	5.20	4.96	5.47
11	4.59	4.81	4.59	4.52	7.34	4.26	5.75	4.62	5.86	5.67	4.96	5.45
12	5.09	5.27	4.67	4.13	5.37	4.97	5.11	4.71	6.07	5.80	5.08	5.19
13	5.55	5.35	6.42	4.08	4.43	4.59	4.90	4.89	5.85	6.67	5.02	5.39
14	5.16	5.70	5.63	3.67	4.10	4.37	5.27	5.22	5.39	6.24	4.84	5.65
15	4.84	9.30	3.92	3.56	4.75	4.46	5.45	5.00	5.42	5.57	4.63	5.32
16	4.83	9.83	4.70	4.89	4.54	4.16	5.36	4.79	5.13	5.19	4.69	5.50
17	5.07	8.85	4.59	6.39	4.56	4.49	4.98	4.66	4.78	5.00	4.82	5.00
18	5.37	7.17	4.53	4.77	4.93	4.69	5.15	4.55	4.56	4.82	4.79	4.69
19	5.56	6.00	4.68	4.19	5.22	4.47	5.08	4.21	4.58	4.98	4.70	4.56
20	5.66	5.05	4.80	4.48	4.90	4.77	4.87	4.57	4.88	5.01	4.84	4.58
21	4.72	4.92	3.46	4.02	4.85	4.51	4.97	4.91	4.70	5.03	4.76	4.68
22	3.50	5.15	4.30	4.03	5.11	4.34	4.95	4.70	4.61	4.86	4.59	5.16
23	4.31	5.17	3.77	4.16	4.72	5.19	4.99	4.33	4.78	5.13	4.61	4.24
24	4.89	5.00	4.08	4.18	3.66	4.93	5.33	4.44	5.59	4.87	4.68	4.90
25	5.10	4.85	3.55	4.31	4.79	4.32	5.54	4.72	4.99	4.41	4.77	4.14
26	5.00	4.32	3.55	4.36	4.21	5.21	5.89	4.95	4.72	4.48	4.99	4.46
27	4.23	3.69	3.87	6.09	4.13	5.49	5.99	4.77	4.58	4.30	5.00	4.62
28	4.29	4.26	4.38	6.07	4.70	3.80	5.98	5.07	4.43	4.06	5.03	4.48
29	5.73	4.58	3.71	4.64	---	3.46	5.78	5.95	4.18	4.44	4.99	4.73
30	6.21	4.60	3.04	4.48	---	4.12	5.95	6.70	4.16	4.49	5.00	5.06
31	3.15	---	4.07	4.20	---	3.64	---	6.98	---	4.54	4.95	---
MAX	6.21	9.83	6.42	6.39	7.34	5.49	5.99	6.98	6.18	6.67	5.18	5.65
MIN	3.15	3.19	3.04	2.20	3.66	3.45	3.96	4.21	4.16	4.06	4.53	4.14

MISSISSIPPI RIVER DELTA

91300000 PIPELINE CANAL NEAR CROSSING COVE 11.4 MILES WEST OF PIGEON, LA

LOCATION.—Lat 30°05' 54", long 91°30' 00", St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 11.4 mi west of Pigeon, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1993 to September 1994.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Gage datum is an assumed elevation.

REMARKS.—Water level below recordable stage Aug. 13 to Sept. 30.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 12.25 ft, May 11, 1994; minimum, undetermined.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height, 12.25 ft, May 11; minimum, undetermined.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.07	9.09	7.03	7.58	10.77	11.36	11.96	9.62	3.34	3.75	---
2	---	4.94	9.14	6.82	7.82	10.91	11.21	11.99	8.89	3.39	3.64	---
3	---	4.81	9.09	6.56	8.00	11.00	11.10	12.04	8.30	3.48	3.54	---
4	---	4.64	8.94	6.16	8.21	11.09	11.02	12.08	7.81	3.56	3.43	---
5	---	4.41	8.86	5.80	8.46	11.18	10.94	12.09	7.34	3.77	3.37	---
6	---	4.09	8.88	5.55	8.64	11.25	10.94	12.11	6.93	3.78	3.19	---
7	---	3.76	8.88	5.27	8.78	11.31	10.92	12.13	6.48	3.94	3.12	---
8	---	3.58	8.82	4.94	8.99	11.35	10.86	12.16	5.94	4.11	3.12	---
9	---	3.48	8.92	4.75	9.28	11.49	10.85	12.19	5.54	4.26	3.11	---
10	---	3.29	9.11	4.57	9.56	11.54	10.84	12.22	5.40	4.40	3.11	---
11	---	3.25	9.20	4.57	9.85	11.56	10.79	12.23	5.27	4.50	3.06	---
12	---	3.29	9.23	4.69	10.01	11.59	10.86	12.23	5.07	4.48	2.95	---
13	---	3.38	9.36	4.65	10.15	11.60	10.86	12.22	4.88	4.37	---	---
14	---	3.43	9.51	4.60	10.25	11.62	10.86	12.20	4.76	4.33	---	---
15	---	3.77	9.58	4.63	10.35	11.64	10.93	12.15	4.72	4.22	---	---
16	---	3.93	9.67	4.73	10.42	11.65	11.12	12.11	4.73	3.99	---	---
17	---	4.26	9.75	5.09	10.46	11.65	11.16	12.05	4.67	3.88	---	---
18	---	4.32	9.80	5.55	10.49	11.69	11.19	11.95	4.56	3.86	---	---
19	---	4.66	9.82	5.93	10.49	11.74	11.24	11.83	4.40	4.00	---	---
20	---	4.82	9.83	6.25	10.48	11.78	11.31	11.74	4.28	4.11	---	---
21	---	4.95	9.83	6.59	10.47	11.78	11.39	11.65	4.20	4.14	---	---
22	5.96	5.72	9.84	6.86	10.46	11.76	11.42	11.56	4.15	4.13	---	---
23	5.80	6.49	9.82	7.02	10.50	11.73	11.48	11.46	4.09	4.11	---	---
24	5.88	7.17	9.70	6.99	10.52	11.67	11.53	11.36	4.16	3.92	---	---
25	5.99	7.56	9.53	6.75	10.50	11.61	11.57	11.25	4.21	3.76	---	---
26	5.83	7.81	9.29	6.43	10.51	11.59	11.61	11.13	3.99	3.83	---	---
27	5.33	8.20	8.93	6.50	10.54	11.60	11.69	10.98	3.93	3.94	---	---
28	5.15	8.46	8.46	7.11	10.62	11.58	11.74	10.80	3.77	3.87	---	---
29	5.33	8.64	7.91	7.47	---	11.52	11.80	10.61	3.57	3.84	---	---
30	5.59	8.87	7.48	7.44	---	11.47	11.88	10.41	3.35	3.80	---	---
31	5.32	---	7.25	7.52	---	11.44	---	10.11	---	3.82	---	---
MAX	---	8.87	9.84	7.52	10.62	11.78	11.88	12.23	9.62	4.50	---	---
MIN	---	3.25	7.25	4.57	7.58	10.77	10.79	10.11	3.35	3.34	---	---

MISSISSIPPI RIVER DELTA

91300900 PIPELINE CANAL 7.7 MILES NORTH OF CHARENTON, LA

LOCATION.--Lat 29°58' 29", long 91°30' 09", St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 6.4 miles north of Charenton, LA.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1993 to September 1994.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Gage datum is to an assumed elevation.

REMARKS.--Water level below recordable stage Aug. 8 to Sept. 30, 1994.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 15.53 ft, May 10, 1994; minimum recorded, 6.93 ft, Aug. 7, 1994.

EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 15.53 ft, May 10, but may have been higher during periods of missing record; minimum, 6.93 ft, Aug. 7, but may have been lower during periods of missing record.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.83	8.70	8.76	8.80	8.62	8.71	---	---	---	10.67	10.47	10.57
2	8.95	8.83	8.89	8.62	8.48	8.55	---	---	---	10.47	10.25	10.36
3	9.06	8.95	9.01	8.48	8.33	8.41	---	---	---	10.25	10.01	10.14
4	9.17	9.06	9.12	8.39	8.19	8.27	---	---	---	10.01	9.74	9.88
5	9.33	9.17	9.25	8.19	8.07	8.14	---	---	---	9.74	9.48	9.60
6	9.56	9.33	9.45	8.07	7.82	7.96	---	---	---	9.48	9.27	9.37
7	9.80	9.56	9.68	7.82	7.56	7.69	---	---	---	9.27	9.07	9.17
8	9.99	9.80	9.90	7.56	7.37	7.46	---	---	---	9.07	8.82	8.93
9	10.18	9.99	10.09	7.37	7.34	7.36	---	---	---	8.82	8.62	8.72
10	10.31	10.18	10.24	7.34	7.32	7.33	---	---	---	8.62	8.44	8.53
11	10.41	10.31	10.36	7.32	7.31	7.31	---	---	---	8.44	8.34	8.39
12	10.54	10.41	10.47	7.31	7.30	7.30	---	---	---	8.35	8.30	8.34
13	10.65	10.53	10.59	7.30	7.29	7.30	---	---	---	8.37	8.26	8.32
14	10.72	10.65	10.69	7.30	7.29	7.29	---	---	---	8.26	8.19	8.22
15	10.74	10.72	10.73	7.30	7.29	7.30	---	---	---	8.19	8.15	8.17
16	10.72	10.67	10.70	7.41	7.29	7.31	---	---	---	8.16	8.14	8.15
17	10.67	10.60	10.64	7.53	7.41	7.48	---	---	---	8.44	8.16	8.31
18	10.60	10.52	10.57	7.58	7.53	7.55	---	---	---	8.58	8.43	8.50
19	10.52	10.35	10.44	7.77	7.58	7.68	---	---	---	8.76	8.58	8.67
20	10.35	10.09	10.22	7.88	7.77	7.84	---	---	---	8.96	8.76	8.86
21	10.09	9.85	9.99	7.99	7.88	7.92	---	---	---	9.17	8.96	9.06
22	9.85	9.55	9.70	8.36	7.99	8.17	12.71	12.65	12.68	9.37	9.17	9.27
23	9.55	9.33	9.43	8.82	8.36	8.59	12.70	12.67	12.69	9.54	9.37	9.46
24	9.33	9.23	9.27	9.25	8.82	9.05	12.67	12.59	12.64	9.64	9.54	9.59
25	9.23	9.19	9.21	9.58	9.25	9.43	12.59	12.46	12.54	9.64	9.62	9.63
26	9.19	9.08	9.15	9.88	9.58	9.73	12.46	12.29	12.38	9.62	9.54	9.58
27	9.08	8.85	8.96	10.26	9.88	10.07	12.29	12.04	12.17	9.66	9.54	9.58
28	8.85	8.68	8.76	10.60	10.26	10.43	12.04	11.75	11.89	9.84	9.66	9.75
29	9.16	8.66	8.86	10.88	10.60	10.75	11.75	11.33	11.55	10.02	9.84	9.94
30	9.17	9.00	9.10	11.15	10.88	11.02	11.33	10.95	11.13	10.09	10.02	10.05
31	9.00	8.80	8.90	---	---	---	10.95	10.67	10.80	10.16	10.09	10.13
MONTH	10.74	8.66	9.71	11.15	7.29	8.31	---	---	---	10.67	8.14	9.20

MISSISSIPPI RIVER DELTA

91300900 PIPELINE CANAL 7.7 MILES NORTH OF CHARENTON, LA—Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.24	10.16	10.19	13.84	13.61	13.72	14.55	14.44	14.50	15.27	15.25	15.26
2	10.37	10.24	10.30	13.91	13.84	13.88	14.44	14.29	14.36	15.30	15.27	15.29
3	10.52	10.37	10.44	14.03	13.91	13.97	14.29	14.16	14.23	15.39	15.30	15.35
4	10.69	10.52	10.60	14.16	14.03	14.10	14.16	14.08	14.12	15.39	15.37	15.38
5	10.92	10.69	10.81	14.27	14.16	14.22	14.08	14.00	14.04	15.40	15.39	15.39
6	11.11	10.92	11.02	14.35	14.27	14.31	14.06	13.99	14.03	15.43	15.40	15.42
7	11.29	11.11	11.21	14.42	14.35	14.39	14.02	13.97	14.00	15.45	15.43	15.44
8	11.49	11.29	11.39	14.47	14.42	14.45	13.97	13.91	13.93	15.48	15.45	15.46
9	11.77	11.49	11.63	14.67	14.47	14.60	13.91	13.90	13.91	15.52	15.48	15.50
10	12.19	11.77	11.97	14.68	14.65	14.66	13.92	13.89	13.91	15.53	15.52	15.52
11	12.46	12.19	12.33	14.71	14.68	14.70	13.89	13.85	13.86	15.53	15.53	15.53
12	12.72	12.46	12.59	14.74	14.71	14.73	13.96	13.85	13.92	15.53	15.52	15.53
13	12.93	12.72	12.84	14.76	14.74	14.75	13.95	13.92	13.93	15.52	15.50	15.51
14	13.10	12.93	13.01	14.79	14.76	14.77	13.94	13.91	13.92	15.52	15.47	15.49
15	13.25	13.10	13.18	14.81	14.79	14.80	14.13	13.93	13.98	15.47	15.41	15.45
16	13.36	13.25	13.30	14.82	14.81	14.81	14.25	14.13	14.20	15.41	15.37	15.39
17	13.43	13.36	13.40	14.82	14.80	14.81	14.29	14.25	14.27	15.37	15.29	15.33
18	13.48	13.43	13.46	14.88	14.82	14.85	14.32	14.29	14.30	15.29	15.16	15.23
19	13.50	13.48	13.49	14.94	14.88	14.92	14.39	14.32	14.36	15.16	15.01	15.09
20	13.51	13.49	13.50	14.97	14.94	14.96	14.52	14.39	14.45	15.01	14.91	14.96
21	13.50	13.48	13.49	14.98	14.96	14.97	14.57	14.52	14.55	14.91	14.81	14.86
22	13.49	13.48	13.48	14.96	14.93	14.95	14.63	14.57	14.59	14.81	14.69	14.75
23	13.58	13.48	13.54	14.93	14.88	14.91	14.71	14.63	14.67	14.69	14.58	14.64
24	13.55	13.52	13.53	14.88	14.81	14.85	14.82	14.71	14.75	14.58	14.46	14.52
25	13.52	13.51	13.52	14.81	14.75	14.78	14.80	14.77	14.78	14.46	14.34	14.40
26	13.52	13.51	13.51	14.77	14.74	14.75	14.88	14.80	14.84	14.34	14.20	14.27
27	13.53	13.50	13.52	14.81	14.76	14.77	14.98	14.88	14.93	14.20	14.02	14.12
28	13.61	13.53	13.57	14.79	14.72	14.76	15.04	14.98	15.01	14.03	13.86	13.94
29	—	—	—	14.72	14.64	14.68	15.11	15.04	15.07	13.86	13.71	13.77
30	—	—	—	14.64	14.60	14.62	15.26	15.10	15.18	13.71	13.50	13.60
31	—	—	—	14.61	14.55	14.58	—	—	—	13.50	13.22	13.42
MONTH	13.61	10.16	12.46	14.98	13.61	14.61	15.26	13.85	14.35	15.53	13.22	14.96
JUNE			JULY			AUGUST			SEPTEMBER			
1	—	—	—	7.15	7.07	7.10	7.33	7.29	7.31	—	—	—
2	—	—	—	7.09	7.05	7.06	7.29	7.26	7.28	—	—	—
3	—	—	—	7.14	7.05	7.07	7.26	7.20	7.22	—	—	—
4	—	—	—	7.14	7.07	7.11	7.26	7.12	7.17	—	—	—
5	—	—	—	7.28	7.14	7.22	7.18	7.08	7.13	—	—	—
6	—	—	—	7.28	7.25	7.27	7.08	6.99	7.06	—	—	—
7	—	—	—	7.41	7.27	7.33	6.99	6.93	6.96	—	—	—
8	—	—	—	7.58	7.41	7.49	—	—	—	—	—	—
9	—	—	—	7.69	7.58	7.63	—	—	—	—	—	—
10	—	—	—	7.78	7.68	7.72	—	—	—	—	—	—
11	9.34	9.16	9.25	8.01	7.78	7.89	—	—	—	—	—	—
12	9.18	9.04	9.12	8.20	7.97	8.04	—	—	—	—	—	—
13	9.04	8.83	8.93	8.20	8.06	8.13	—	—	—	—	—	—
14	8.83	8.67	8.74	8.08	8.00	8.04	—	—	—	—	—	—
15	8.67	8.57	8.61	8.00	7.89	7.95	—	—	—	—	—	—
16	8.57	8.44	8.53	7.89	7.69	7.80	—	—	—	—	—	—
17	8.48	8.39	8.44	7.69	7.58	7.63	—	—	—	—	—	—
18	8.39	8.30	8.35	7.58	7.51	7.54	—	—	—	—	—	—
19	8.31	8.15	8.23	7.58	7.49	7.53	—	—	—	—	—	—
20	8.16	8.01	8.09	7.60	7.57	7.58	—	—	—	—	—	—
21	8.02	7.92	7.97	7.64	7.59	7.62	—	—	—	—	—	—
22	8.04	7.88	7.93	7.64	7.61	7.63	—	—	—	—	—	—
23	7.96	7.87	7.90	7.81	7.60	7.69	—	—	—	—	—	—
24	7.98	7.84	7.92	7.76	7.56	7.65	—	—	—	—	—	—
25	7.95	7.87	7.91	7.56	7.40	7.47	—	—	—	—	—	—
26	7.87	7.71	7.78	7.40	7.37	7.39	—	—	—	—	—	—
27	7.71	7.60	7.65	7.56	7.39	7.47	—	—	—	—	—	—
28	7.60	7.46	7.54	7.54	7.44	7.48	—	—	—	—	—	—
29	7.46	7.30	7.37	7.44	7.37	7.41	—	—	—	—	—	—
30	7.30	7.10	7.20	7.37	7.33	7.35	—	—	—	—	—	—
31	—	—	—	7.34	7.33	7.33	—	—	—	—	—	—
MONTH	—	—	—	8.20	7.05	7.54	—	—	—	—	—	—

MISSISSIPPI RIVER DELTA

91300900 PIPELINE CANAL 7.7 MILES NORTH OF CHARENTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to current year.

PERIOD OF DAILY RECORD.--October 1993 to September 1994.

SPECIFIC CONDUCTANCE: October 1993 to September 1994.

pH: September 1993 to September 1994.

WATER TEMPERATURES: October 1993 to September 1994.

DISSOLVED OXYGEN: October 1993 to September 1994.

INSTRUMENTATION.--Water-quality monitor since October 1993.

REMARKS.--Dissolved oxygen may show 10 percent error due to inaccuracies of meters. Water-quality data missing from July 26, 1994 to Sept. 30, 1994 because of low water levels or no water present at site.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 473 microsiemens, Nov. 16, 1993, but may have been higher during period of missing record; minimum daily, 198 microsiemens, Feb. 25, 1994, but may have been lower during period of missing record.

pH: Maximum daily, 8.5 units, April 8, 1994, but may have been higher during period of missing record; minimum daily, 6.5 units, Nov. 5, 1994, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 27.3°C, June 9, 1994, but may have been higher during period of missing record; minimum daily, 5.5°C, Jan. 18, 1994, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 16.6 mg/L, Mar. 3, 1994, but may have been higher during period of missing record; minimum daily, 3.0 mg/L, June 9, 1994, but may have been less during period of missing record.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
OCTOBER				NOVEMBER			DECEMBER			JANUARY			
1		430	425	428	---	---	---	300	292	295	268	266	268
2		428	412	423	---	---	---	292	287	289	270	267	269
3		421	409	413	---	---	---	288	286	287	270	269	270
4		423	419	421	321	314	317	290	287	288	272	269	271
5		419	404	414	324	316	322	295	290	293	275	271	273
6		404	380	396	323	317	319	303	295	300	278	274	276
7		380	358	369	332	320	324	303	302	302	279	276	277
8		358	343	349	340	330	334	302	291	297	279	277	278
9		353	343	348	362	336	347	293	290	291	280	278	279
10		346	338	342	---	---	---	302	291	297	282	278	280
11		346	339	342	---	---	---	301	288	296	286	281	282
12		347	341	344	---	---	---	288	284	285	287	284	286
13		341	340	341	---	---	---	286	284	285	291	286	288
14		361	341	350	---	---	---	284	283	283	295	288	291
15		359	357	357	---	---	---	283	279	280	311	291	303
16		---	---	---	473	355	427	279	273	276	326	309	317
17		---	---	---	459	410	423	278	272	274	338	317	329
18		---	---	---	414	389	402	282	277	280	347	334	342
19		---	---	---	389	348	365	280	278	278	---	---	---
20		---	---	---	349	326	338	280	276	279	---	---	---
21		---	---	---	334	323	328	282	278	279	---	---	---
22		---	---	---	334	320	327	279	276	277	---	---	---
23		---	---	---	354	325	340	278	274	276	---	---	---
24		---	---	---	371	354	364	275	265	269	---	---	---
25		---	---	---	373	365	370	269	264	266	---	---	---
26		---	---	---	365	344	350	270	265	268	---	---	---
27		---	---	---	347	336	343	269	263	265	---	---	---
28		---	---	---	336	323	328	264	261	263	---	---	---
29		---	---	---	323	316	320	268	262	266	---	---	---
30		---	---	---	317	300	308	268	266	267	---	---	---
31		---	---	---	---	---	---	268	266	267	---	---	---
MONTH		---	---	---	---	---	---	303	261	281	---	---	---

[illegible]

MISSISSIPPI RIVER DELTA

91300900 PIPELINE CANAL 7.7 MILES NORTH OF CHARENTON, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	--	--	--	--	--	--	7.4	7.3	7.3	7.4	7.2	7.3
2	--	--	--	--	--	--	7.5	7.3	7.4	7.4	7.1	7.2
3	--	--	--	--	--	--	7.5	7.4	7.5	7.4	7.1	7.3
4	--	--	--	6.8	6.6	6.7	7.5	7.4	7.5	7.4	7.2	7.3
5	--	--	--	6.8	6.5	6.6	7.6	7.5	7.6	7.4	7.2	7.3
6	--	--	--	6.9	6.7	6.8	7.6	7.6	7.6	7.3	7.1	7.2
7	--	--	--	7.0	6.8	6.9	7.7	7.6	7.6	7.5	7.1	7.3
8	--	--	--	7.0	6.7	6.9	7.7	7.6	7.7	7.3	7.1	7.2
9	--	--	--	7.1	6.7	7.0	7.7	7.7	7.7	7.3	7.1	7.2
10	--	--	--	--	--	--	7.7	7.7	7.7	7.3	7.0	7.1
11	--	--	--	--	--	--	7.7	7.7	7.7	7.3	6.9	7.1
12	--	--	--	--	--	--	7.7	7.7	7.7	7.3	7.0	7.2
13	--	--	--	--	--	--	7.8	7.7	7.7	7.2	7.1	7.1
14	--	--	--	--	--	--	7.8	7.7	7.8	7.3	7.1	7.2
15	--	--	--	--	--	--	7.8	7.7	7.8	7.6	7.1	7.4
16	--	--	--	6.8	6.6	6.7	7.8	7.7	7.7	7.8	7.5	7.6
17	--	--	--	7.1	6.6	6.8	7.7	7.6	7.7	7.7	7.6	7.6
18	--	--	--	7.2	6.9	7.0	7.8	7.6	7.7	8.0	7.7	7.8
19	--	--	--	7.2	6.9	7.1	7.8	7.6	7.7	--	--	--
20	--	--	--	7.2	6.9	7.0	7.8	7.6	7.7	--	--	--
21	--	--	--	6.9	6.9	6.9	7.8	7.6	7.7	--	--	--
22	--	--	--	6.9	6.8	6.9	7.8	7.7	7.8	--	--	--
23	--	--	--	7.1	6.9	7.0	7.7	7.6	7.6	--	--	--
24	--	--	--	7.1	7.1	7.1	7.6	7.0	7.5	--	--	--
25	--	--	--	7.3	7.1	7.2	7.5	7.4	7.5	--	--	--
26	--	--	--	7.3	7.1	7.2	7.4	7.3	7.3	--	--	--
27	--	--	--	7.4	7.2	7.3	7.4	7.3	7.4	--	--	--
28	--	--	--	7.4	7.4	7.4	7.5	7.4	7.4	--	--	--
29	--	--	--	7.4	7.4	7.4	7.5	7.3	7.4	--	--	--
30	--	--	--	7.4	7.3	7.4	7.5	7.2	7.4	--	--	--
31	--	--	--	--	--	--	7.5	7.2	7.4	--	--	--
MONTH	--	--	--	--	--	--	7.8	7.0	7.6	--	--	--
FEBRUARY				MARCH			APRIL			MAY		
1	--	--	--	7.3	7.1	7.2	6.9	6.7	6.8	7.1	7.1	7.1
2	--	--	--	7.4	7.2	7.2	7.1	6.7	6.8	7.2	7.1	7.2
3	--	--	--	7.9	7.2	7.3	6.9	6.7	6.8	7.3	7.1	7.2
4	--	--	--	7.4	7.2	7.3	7.4	6.7	6.9	--	--	--
5	--	--	--	7.4	7.2	7.3	7.1	6.7	6.8	--	--	--
6	--	--	--	7.4	7.3	7.3	6.9	6.7	6.8	--	--	--
7	--	--	--	7.4	7.3	7.3	7.3	6.8	6.9	--	--	--
8	--	--	--	7.4	7.3	7.4	8.5	6.8	7.1	--	--	--
9	--	--	--	7.5	7.3	7.4	8.0	6.8	7.0	--	--	--
10	--	--	--	7.6	7.5	7.5	7.5	6.8	6.9	--	--	--
11	--	--	--	7.6	7.5	7.5	7.4	6.8	6.9	--	--	--
12	--	--	--	7.6	7.5	7.6	6.9	6.8	6.8	7.3	7.3	7.3
13	--	--	--	7.6	7.5	7.6	7.4	6.8	6.9	7.3	7.3	7.3
14	--	--	--	7.6	7.5	7.6	7.1	6.8	6.9	7.3	7.3	7.3
15	--	--	--	7.6	7.5	7.6	6.9	6.8	6.9	7.3	7.3	7.3
16	--	--	--	7.6	7.5	7.6	6.9	6.8	6.8	7.3	7.2	7.3
17	--	--	--	7.6	7.5	7.6	7.0	6.7	6.8	7.3	7.2	7.3
18	--	--	--	7.7	7.6	7.6	7.0	6.7	6.8	7.3	7.2	7.3
19	--	--	--	7.6	7.6	7.6	7.5	6.7	6.9	7.3	7.3	7.3
20	--	--	--	7.7	7.6	7.6	7.4	6.8	6.9	7.4	7.3	7.3
21	--	--	--	7.7	7.6	7.6	7.2	6.8	6.9	7.4	7.3	7.3
22	--	--	--	7.7	6.6	7.1	7.4	6.8	6.9	7.4	7.3	7.4
23	--	--	--	6.7	6.6	6.7	7.4	6.8	6.9	7.4	7.4	7.4
24	--	--	--	6.7	6.7	6.7	7.6	6.8	7.0	7.4	7.4	7.4
25	7.4	7.0	7.2	6.8	6.7	6.7	7.4	6.9	7.0	7.4	7.4	7.4
26	7.4	7.1	7.2	6.7	6.6	6.7	7.4	6.9	7.0	7.4	7.3	7.4
27	7.9	7.3	7.4	6.7	6.6	6.7	7.2	6.9	7.0	7.4	7.3	7.4
28	7.9	7.1	7.4	6.7	6.6	6.7	7.1	6.9	7.0	7.4	7.3	7.4
29	--	--	--	6.8	6.6	6.7	7.2	6.8	6.9	7.5	7.4	7.4
30	--	--	--	6.8	6.6	6.7	7.1	6.9	7.0	7.5	7.4	7.5
31	--	--	--	6.9	6.7	6.8	--	--	--	7.5	7.4	7.4
MONTH	--	--	--	7.9	6.6	7.2	8.5	6.7	6.9	--	--	--

MISSISSIPPI RIVER DELTA

91300900 PIPELINE CANAL 7.7 MILES NORTH OF CHARENTON, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	7.4	7.4	--	--	--	--	--	--	--	--	--
2	7.4	7.4	7.4	--	--	--	--	--	--	--	--	--
3	7.4	7.3	7.4	--	--	--	--	--	--	--	--	--
4	7.4	7.3	7.4	--	--	--	--	--	--	--	--	--
5	7.4	7.4	7.4	--	--	--	--	--	--	--	--	--
6	7.4	7.3	7.4	--	--	--	--	--	--	--	--	--
7	7.4	7.4	7.4	--	--	--	--	--	--	--	--	--
8	7.5	7.4	7.4	--	--	--	--	--	--	--	--	--
9	7.5	7.4	7.5	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	--	--	--
21	--	--	--	--	--	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--	--	--	--	--	--
23	--	--	--	--	--	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--	--	--	--	--	--
25	--	--	--	--	--	--	--	--	--	--	--	--
26	--	--	--	--	--	--	--	--	--	--	--	--
27	--	--	--	--	--	--	--	--	--	--	--	--
28	--	--	--	--	--	--	--	--	--	--	--	--
29	--	--	--	--	--	--	--	--	--	--	--	--
30	--	--	--	--	--	--	--	--	--	--	--	--
31	--	--	--	--	--	--	--	--	--	--	--	--
MONTH	--	--	--	--	--	--	--	--	--	--	--	--

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.4	23.4	23.8	--	--	--	11.1	10.5	10.7	9.2	8.6	8.8
2	24.0	23.2	23.5	--	--	--	11.1	10.5	10.8	9.6	9.2	9.4
3	23.5	22.7	23.1	--	--	--	11.2	10.7	11.0	9.5	9.0	9.3
4	23.3	22.5	22.9	16.3	14.9	15.5	11.7	11.1	11.3	9.3	8.5	8.9
5	23.0	22.2	22.6	17.7	16.3	17.0	11.2	10.7	10.9	8.7	7.9	8.4
6	22.6	21.8	22.2	17.4	14.4	15.9	10.7	10.3	10.6	9.9	8.6	9.2
7	22.0	21.3	21.7	14.6	12.6	13.5	10.6	10.1	10.3	10.6	9.6	10.2
8	21.9	20.9	21.4	13.0	12.2	12.6	10.9	10.2	10.5	9.6	8.4	9.0
9	21.5	20.9	21.1	12.8	12.4	12.6	10.9	10.3	10.6	9.1	8.1	8.6
10	21.2	20.3	20.7	--	--	--	10.9	10.6	10.7	9.0	8.1	8.5
11	20.7	19.8	20.2	--	--	--	10.9	10.5	10.7	9.6	8.9	9.2
12	20.1	19.5	19.9	--	--	--	10.7	10.2	10.5	10.1	9.4	9.8
13	19.5	19.3	19.4	--	--	--	10.8	10.4	10.6	10.2	9.2	9.7
14	20.0	19.3	19.5	--	--	--	10.6	10.2	10.4	11.0	8.5	9.5
15	20.1	19.4	19.7	--	--	--	10.4	9.8	10.1	10.1	7.5	8.5
16	--	--	--	18.7	16.0	17.1	10.1	9.6	9.8	8.9	7.4	7.7
17	--	--	--	18.1	15.1	16.5	10.0	9.5	9.7	8.2	6.7	7.6
18	--	--	--	17.8	14.8	15.7	10.0	9.6	9.7	7.1	5.5	6.4
19	--	--	--	16.7	15.2	15.9	9.9	9.6	9.7	--	--	--
20	--	--	--	16.6	14.6	15.4	9.9	9.6	9.8	--	--	--
21	--	--	--	15.9	14.2	14.8	9.7	9.3	9.5	--	--	--
22	--	--	--	15.0	13.8	14.3	9.6	8.8	9.2	--	--	--
23	--	--	--	14.2	13.5	13.8	8.9	8.4	8.7	--	--	--
24	--	--	--	13.6	12.9	13.2	8.8	7.9	8.4	--	--	--
25	--	--	--	13.0	12.3	12.6	8.1	7.5	7.8	--	--	--
26	--	--	--	12.3	11.7	12.0	8.5	7.4	8.0	--	--	--
27	--	--	--	11.9	11.3	11.5	8.9	7.9	8.4	--	--	--
28	--	--	--	11.6	11.0	11.2	9.6	8.8	9.1	--	--	--
29	--	--	--	11.6	10.9	11.2	9.7	8.9	9.4	--	--	--
30	--	--	--	11.2	10.6	10.9	8.9	8.3	8.6	--	--	--
31	--	--	--	--	--	--	8.7	8.0	8.4	--	--	--
MONTH	--	--	--	--	--	--	11.7	7.4	9.8	--	--	--

MISSISSIPPI RIVER DELTA

91300900 PIPELINE CANAL 7.7 MILES NORTH OF CHARENTON, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	--	--	--	--	--	--	9.8	8.7	9.1	7.9	7.3	7.5
2	--	--	--	--	--	--	9.8	9.7	9.7	7.3	6.4	6.8
3	--	--	--	--	--	--	9.7	9.6	9.6	7.5	6.3	7.0
4	--	--	--	4.2	3.5	3.8	9.8	9.6	9.7	7.5	6.6	7.1
5	--	--	--	4.1	3.2	3.6	9.9	9.8	9.8	7.5	6.8	7.1
6	--	--	--	6.3	3.9	5.2	10.1	9.9	10.0	6.9	6.5	6.8
7	--	--	--	7.0	5.1	6.2	10.2	10.1	10.2	7.7	6.1	6.7
8	--	--	--	6.6	5.7	6.1	10.2	10.1	10.2	7.7	7.4	7.5
9	--	--	--	7.2	6.0	6.6	10.3	10.2	10.2	7.5	7.1	7.3
10	--	--	--	--	--	--	10.2	9.9	10.1	7.8	7.3	7.5
11	--	--	--	--	--	--	9.9	9.7	9.8	7.7	6.4	7.2
12	--	--	--	--	--	--	9.7	9.7	9.7	6.6	6.1	6.4
13	--	--	--	--	--	--	10.0	9.7	9.8	7.9	6.3	6.8
14	--	--	--	--	--	--	10.0	9.9	9.9	9.9	5.9	7.0
15	--	--	--	8.0	5.2	7.5	10.1	10.0	10.1	--	--	--
16	--	--	--	8.2	7.5	7.7	10.2	10.1	10.1	--	--	--
17	--	--	--	8.4	7.6	8.0	10.2	10.0	10.1	--	--	--
18	--	--	--	8.5	8.1	8.3	10.2	10.0	10.1	--	--	--
19	--	--	--	8.1	7.9	8.0	10.1	9.9	10.0	--	--	--
20	--	--	--	8.2	7.9	8.0	10.0	9.7	9.8	--	--	--
21	--	--	--	8.0	7.9	7.9	10.0	8.8	9.6	--	--	--
22	--	--	--	8.4	8.0	8.2	10.0	8.8	9.5	--	--	--
23	--	--	--	8.6	8.4	8.5	9.4	8.8	9.1	--	--	--
24	--	--	--	8.7	8.6	8.7	9.4	8.7	9.0	--	--	--
25	--	--	--	8.8	8.7	8.7	8.8	8.2	8.5	--	--	--
26	--	--	--	8.8	8.6	8.7	8.4	7.9	8.2	--	--	--
27	--	--	--	8.9	8.8	8.8	8.5	8.0	8.3	--	--	--
28	--	--	--	8.9	8.8	8.8	8.3	7.9	8.0	--	--	--
29	--	--	--	8.8	8.6	8.7	8.2	7.8	7.9	--	--	--
30	--	--	--	8.8	8.6	8.7	8.5	8.1	8.2	--	--	--
31	--	--	--	--	--	--	8.4	7.6	8.0	--	--	--
MONTH	--	--	--	--	--	--	10.3	7.6	9.4	--	--	--
	FEBRUARY			MARCH			APRIL			MAY		
1	--	--	--	9.3	7.0	8.0	--	--	--	3.9	3.6	3.7
2	--	--	--	12.1	7.2	8.1	--	--	--	4.2	3.8	4.0
3	--	--	--	16.6	7.3	9.2	--	--	--	5.1	3.8	4.2
4	--	--	--	14.2	6.9	8.6	--	--	--	--	--	--
5	--	--	--	11.2	6.6	7.7	--	--	--	--	--	--
6	--	--	--	9.4	6.5	7.1	--	--	--	--	--	--
7	--	--	--	10.5	6.2	6.9	--	--	--	--	--	--
8	--	--	--	10.2	5.8	6.8	--	--	--	--	--	--
9	--	--	--	8.3	5.4	6.7	--	--	--	--	--	--
10	--	--	--	9.8	7.3	8.0	--	--	--	--	--	--
11	--	--	--	9.1	6.9	7.7	--	--	--	--	--	--
12	--	--	--	9.4	7.1	7.8	--	--	--	5.9	5.1	5.4
13	--	--	--	9.0	7.0	7.6	--	--	--	6.6	5.7	6.1
14	--	--	--	9.5	6.8	7.6	--	--	--	6.7	6.2	6.4
15	--	--	--	7.4	6.6	6.9	--	--	--	6.8	6.3	6.5
16	--	--	--	8.1	6.4	7.0	--	--	--	6.7	6.1	6.4
17	--	--	--	9.6	6.0	7.2	--	--	--	7.2	6.5	6.7
18	--	--	--	10.0	6.1	7.3	--	--	--	7.8	6.9	7.3
19	--	--	--	8.3	6.3	6.9	--	--	--	8.2	7.6	7.9
20	--	--	--	10.1	6.1	6.8	--	--	--	8.3	8.0	8.1
21	--	--	--	8.1	5.7	6.3	--	--	--	8.5	7.9	8.2
22	--	--	--	10.7	5.5	6.9	--	--	--	8.3	7.7	8.0
23	--	--	--	7.2	6.6	6.9	--	--	--	8.1	7.7	7.9
24	--	--	--	7.1	6.4	6.7	--	--	--	7.8	7.4	7.6
25	8.8	7.8	8.2	6.9	6.1	6.5	--	--	--	7.5	7.0	7.3
26	10.1	7.9	8.5	6.7	5.9	6.2	--	--	--	7.1	6.3	6.7
27	13.3	8.1	9.5	6.6	5.8	6.1	--	--	--	6.6	6.0	6.3
28	13.7	7.8	9.5	6.8	5.7	6.0	--	--	--	6.7	5.9	6.3
29	--	--	--	9.2	5.5	6.4	--	--	--	7.1	6.3	6.6
30	--	--	--	8.8	5.4	6.2	4.0	3.4	3.7	7.0	6.2	6.5
31	--	--	--	--	--	--	--	--	--	6.4	5.8	6.1
MONTH	--	--	--	16.6	5.4	7.1	--	--	--	--	--	--

MISSISSIPPI RIVER DELTA

91303000 GRAND LAKE 4.1 MILES NORTH OF CHARENTON, LA

LOCATION.—Lat 29°56' 37", long 91°30' 30", Iberia Parish, Hydrologic Unit 08080101, on a five-pile platform 4.1 miles north of Charenton, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1993 to September 1994.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Gage datum is to an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height recorded, 18.78 ft, May 11, 1994; minimum gage height, undetermined.

EXTREMES FOR CURRENT YEAR.—Maximum gage height recorded, 18.78 ft, May 11, but may have been higher during periods of missing record; minimum gage height, not determined.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	13.99	13.88	17.13	17.84	18.52	16.28	10.66	10.90	---
2	---	12.09	---	13.79	14.02	17.27	17.69	18.55	15.76	10.66	10.85	---
3	---	11.98	---	13.56	14.17	17.36	17.56	18.61	15.23	10.70	10.79	---
4	---	11.85	---	13.27	14.34	17.48	17.48	18.64	14.77	10.76	10.71	---
5	---	11.70	---	12.97	14.54	17.59	17.41	18.65	14.36	10.90	10.65	---
6	---	---	---	12.75	14.73	17.66	17.39	18.67	14.01	10.91	10.50	---
7	---	---	---	12.53	14.90	17.74	17.35	18.69	13.67	11.01	10.38	---
8	13.86	---	---	12.25	15.07	17.79	17.30	18.71	13.25	11.17	10.28	---
9	14.04	---	---	12.07	15.33	17.93	17.29	18.74	12.88	11.27	10.28	---
10	14.16	---	---	11.89	15.63	17.99	17.29	18.76	12.72	11.38	10.25	---
11	14.26	---	---	11.81	15.94	18.01	17.24	18.77	12.57	11.51	10.15	---
12	14.35	---	---	11.83	16.17	18.03	17.29	18.76	---	11.57	10.02	---
13	14.46	---	---	11.82	16.36	18.04	17.30	18.75	---	11.58	9.96	---
14	14.54	---	---	11.73	16.50	18.06	17.30	18.73	---	11.51	9.85	---
15	14.52	---	---	11.72	16.64	18.10	17.36	18.68	---	11.42	9.76	---
16	14.44	---	---	11.76	16.75	18.15	17.57	18.63	---	11.26	9.69	---
17	14.36	---	---	11.97	16.82	18.16	17.62	18.57	---	11.11	9.70	---
18	14.27	---	---	12.20	16.87	18.20	17.64	18.48	---	11.06	9.60	---
19	14.10	---	---	12.45	16.90	18.26	17.69	18.34	---	11.12	9.35	---
20	13.83	---	---	12.67	16.89	18.30	17.78	18.22	---	11.19	9.27	---
21	13.55	---	---	12.90	16.88	18.30	17.87	18.12	---	11.22	9.25	---
22	13.04	---	---	13.11	16.88	18.28	17.91	18.01	---	11.22	9.16	---
23	12.94	---	---	13.28	16.93	18.24	18.00	17.89	---	11.23	9.02	---
24	12.88	---	16.08	13.36	16.92	18.18	18.06	17.78	---	11.14	---	---
25	12.89	---	15.97	13.30	16.91	18.11	18.10	17.67	---	10.97	---	---
26	12.82	---	15.80	13.15	16.91	18.10	18.16	17.53	---	10.97	---	---
27	12.53	---	15.58	13.16	16.92	18.12	18.24	17.38	---	11.06	---	---
28	12.32	---	15.28	13.45	16.98	18.09	18.30	17.20	---	11.03	---	---
29	12.47	---	14.89	13.71	---	18.02	18.36	17.04	---	10.98	---	---
30	---	---	14.47	13.77	---	17.95	18.46	16.85	---	10.93	---	---
31	---	---	14.21	13.83	---	17.92	---	16.64	---	10.93	---	---
MAX	---	---	---	13.99	16.98	18.30	18.46	18.77	---	11.58	---	---
MIN	---	---	---	11.72	13.88	17.13	17.24	16.64	---	10.66	---	---

MISSISSIPPI RIVER DELTA

91324000 PIPELINE CANAL NEAR BAYOU CROOK CHENE 13.0 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.59	8.41	12.81	10.45	11.09	14.66	15.21	15.72	13.29	6.67	---	---
2	9.82	8.24	12.80	10.23	11.37	14.82	15.05	15.73	12.49	6.71	---	---
3	10.00	8.10	12.71	9.95	11.56	14.93	14.95	15.77	11.85	6.77	---	---
4	10.14	7.91	12.52	9.51	11.79	15.04	14.89	15.80	11.32	6.88	---	---
5	10.45	7.66	12.46	9.13	12.07	15.11	14.80	15.80	10.80	7.13	---	---
6	10.86	7.34	12.50	8.86	12.26	15.17	14.81	15.82	10.34	7.18	---	---
7	11.12	6.99	12.49	8.58	12.40	15.23	14.79	15.84	9.86	7.29	---	---
8	11.25	6.79	12.42	8.24	12.65	15.25	14.72	15.86	9.27	7.47	---	---
9	11.46	6.68	12.55	8.04	13.01	15.35	14.73	15.88	8.87	7.61	6.34	---
10	11.59	6.48	12.76	7.85	13.32	15.42	14.70	15.90	8.75	7.77	6.24	---
11	11.64	6.44	12.86	7.86	13.67	15.43	14.64	15.90	8.66	7.95	6.10	---
12	11.72	6.48	12.89	8.00	13.88	15.44	14.72	15.90	8.45	7.96	5.95	---
13	11.79	6.56	13.02	7.95	14.04	15.46	14.73	15.89	8.26	7.81	5.88	---
14	11.85	6.61	13.21	7.90	14.15	15.48	14.74	15.93	8.13	7.69	---	---
15	11.69	6.99	13.28	7.96	14.25	15.49	14.83	15.94	8.10	7.68	---	---
16	11.48	7.19	13.41	8.05	14.31	15.49	15.03	15.91	8.09	7.49	---	---
17	11.24	7.55	13.49	8.43	14.34	15.49	15.07	15.86	8.08	7.34	---	---
18	11.14	7.63	13.54	8.97	14.35	15.54	15.08	15.80	8.00	7.34	---	---
19	10.75	7.81	13.55	9.37	14.34	15.58	15.14	15.70	7.82	7.40	---	---
20	10.24	8.16	13.60	9.71	14.32	15.59	15.21	15.64	7.67	7.43	---	---
21	9.80	8.30	13.58	10.09	14.30	15.59	15.26	15.58	7.59	7.43	---	---
22	9.35	9.12	---	10.38	14.28	15.56	15.29	15.50	7.54	7.43	---	---
23	9.12	10.10	13.55	10.53	14.30	15.52	15.35	15.42	7.40	7.43	---	---
24	9.24	10.83	13.38	10.45	14.35	15.48	15.38	15.32	7.46	7.36	---	---
25	9.38	11.26	13.17	10.16	14.32	15.44	15.40	15.22	7.54	7.19	---	---
26	9.17	11.52	12.89	9.80	14.34	15.44	15.45	15.08	7.38	7.17	---	---
27	8.65	11.95	12.50	9.89	14.40	15.44	15.51	14.92	7.33	---	---	---
28	8.47	12.21	11.98	10.63	14.48	15.42	15.56	14.72	7.18	---	---	---
29	8.50	12.35	11.36	11.01	---	15.36	15.60	14.48	6.97	---	---	---
30	8.89	12.61	10.91	10.94	---	15.33	15.67	14.23	6.75	---	---	---
31	8.68	---	10.68	11.03	---	15.32	---	13.86	---	---	---	---
MEAN	10.30	8.54	---	9.35	13.50	15.35	15.08	15.51	8.71	---	---	---
MAX	11.85	12.61	---	11.03	14.48	15.59	15.67	15.94	13.29	---	---	---
MIN	8.47	6.44	---	7.85	11.09	14.66	14.64	13.86	6.75	---	---	---

MISSISSIPPI RIVER DELTA

91325300 OVBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE

LOCATION.—Lat 30°05' 24", long 91°32' 53", St. Martin Parish, Hydrologic Unit 08080101, on a three-pile platform between two cypress trees 14.6 miles north northwest of Charenton, L.A.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1993 to September 1994.

GAGE.—Water-stage recorder with electromagnetic flowmeter. Gage datum is to an assumed elevation.

REMARKS.—Site inaccessible from Jan. 6, 1994 to Mar. 29, 1994, and from May 2, 1994 to June 6, 1994.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height recorded, 13.09 ft, May 11, 1994; minimum recorded, 2.65 ft, Aug. 30, 1994.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height recorded, 13.09 ft, May 11, but may have been higher during periods of missing record; minimum recorded, 2.65 ft, Aug. 30, but may have been lower during periods of missing record.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12.59	12.58	12.58	12.89	12.74	12.81	---	---	---	---	---	---
2	12.63	12.58	12.60	12.74	12.59	12.66	---	---	---	---	---	---
3	12.74	12.62	12.68	12.59	12.46	12.53	15.48	15.37	15.43	---	---	---
4	12.85	12.73	12.79	12.46	12.36	12.41	15.51	15.48	15.50	---	---	---
5	12.95	12.84	12.90	12.37	12.28	12.33	15.49	15.44	15.46	---	---	---
6	13.09	12.94	13.01	12.28	12.15	12.22	15.44	15.43	15.43	---	---	---
7	13.30	13.08	13.19	12.15	11.93	12.09	15.43	15.43	15.43	---	---	---
8	13.53	13.29	13.41	---	---	---	15.44	15.41	15.43	---	---	---
9	13.73	13.52	13.63	---	---	---	15.44	15.41	15.42	---	---	---
10	13.92	13.72	13.83	---	---	---	15.59	15.44	15.53	---	---	---
11	14.05	13.92	13.98	---	---	---	15.67	15.59	15.63	---	---	---
12	14.16	14.05	14.10	---	---	---	15.74	15.67	15.71	---	---	---
13	14.29	14.16	14.22	---	---	---	15.91	15.74	15.82	---	---	---
14	14.40	14.29	14.35	---	---	---	16.01	15.91	15.96	---	---	---
15	14.47	14.39	14.44	---	---	---	16.09	16.01	16.05	---	---	---
16	14.49	14.46	14.48	---	---	---	16.21	16.09	16.15	---	---	---
17	14.48	14.43	14.47	---	---	---	16.31	16.21	16.27	---	---	---
18	14.43	14.37	14.40	---	---	---	16.41	16.31	16.37	---	---	---
19	14.37	14.27	14.33	---	---	---	---	---	---	---	---	---
20	14.27	14.13	14.21	---	---	---	---	---	---	---	---	---
21	14.13	13.90	14.03	---	---	---	---	---	---	---	---	---
22	13.91	13.66	13.79	---	---	---	---	---	---	---	---	---
23	13.66	13.41	13.53	---	---	---	---	---	---	---	---	---
24	13.41	13.24	13.32	---	---	---	---	---	---	---	---	---
25	13.24	13.14	13.18	---	---	---	---	---	---	---	---	---
26	13.14	13.06	13.11	---	---	---	---	---	---	---	---	---
27	13.06	12.92	12.99	---	---	---	---	---	---	---	---	---
28	12.92	12.77	12.84	---	---	---	---	---	---	---	---	---
29	13.23	12.74	12.97	---	---	---	---	---	---	---	---	---
30	13.22	13.06	13.14	---	---	---	---	---	---	---	---	---
31	13.06	12.89	12.98	---	---	---	---	---	---	---	---	---
MONTH	14.49	12.58	13.53	12.89	11.93	12.44	16.41	15.37	15.72	---	---	---

MISSISSIPPI RIVER DELTA

91325300 OVBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	FEBRUARY				MARCH				APRIL				MAY			
1	--	--	--		--	--	--		--	--	--		--	--	--	
2	--	--	--		--	--	--		--	--	--		--	--	--	
3	--	--	--		--	--	--		--	--	--		--	--	--	
4	--	--	--		--	--	--		--	--	--		--	--	--	
5	--	--	--		--	--	--		--	--	--		--	--	--	
6	--	--	--		--	--	--		--	--	--		--	--	--	
7	--	--	--		--	--	--		--	--	--		--	--	--	
8	--	--	--		--	--	--		--	--	--		--	--	--	
9	--	--	--		--	--	--		--	--	--		--	--	--	
10	--	--	--		--	--	--		--	--	--		--	--	--	
11	--	--	--		--	--	--		--	--	--		--	--	--	
12	--	--	--		--	--	--		--	--	--		--	--	--	
13	--	--	--		--	--	--		--	--	--		--	--	--	
14	--	--	--		--	--	--		--	--	--		--	--	--	
15	--	--	--		--	--	--		--	--	--		--	--	--	
16	--	--	--		--	--	--		--	--	--		--	--	--	
17	--	--	--		--	--	--		--	--	--		--	--	--	
18	--	--	--		--	--	--		--	--	--		--	--	--	
19	--	--	--		--	--	--		--	--	--		--	--	--	
20	--	--	--		--	--	--		--	--	--		--	--	--	
21	--	--	--		--	--	--		--	--	--		--	--	--	
22	--	--	--		--	--	--		--	--	--		--	--	--	
23	--	--	--		--	--	--		--	--	--		--	--	--	
24	--	--	--		--	--	--		--	--	--		--	--	--	
25	--	--	--		--	--	--		--	--	--		--	--	--	
26	--	--	--		--	--	--		--	--	--		--	--	--	
27	--	--	--		--	--	--		--	--	--		--	--	--	
28	--	--	--		--	--	--		--	--	--		--	--	--	
29	--	--	--		--	--	--		--	--	--		--	--	--	
30	--	--	--		--	--	--		--	--	--		--	--	--	
31	--	--	--		--	--	--		--	--	--		--	--	--	
MONTH	--	--	--		--	--	--		--	--	--		--	--	--	
	JUNE				JULY				AUGUST				SEPTEMBER			
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	--	--	--		--	--	--		--	--	--		--	--	--	
30	--	--	--		--	--	--		--	--	--		--	--	--	
31	--	--	--		--	--	--		--	--	--		--	--	--	
MONTH	--	--	--		--	--	--		--	--	--		--	--	--	

MISSISSIPPI RIVER DELTA

91325300 OVBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to September 1994.

PERIOD OF DAILY RECORD.--October 1993 to September 1994.

SPECIFIC CONDUCTANCE: October 1993 to September 1994.

pH: October 1993 to September 1994.

WATER TEMPERATURES: October 1993 to September 1994.

DISSOLVED OXYGEN: October 1993 to September 1994.

INSTRUMENTATION.--Water-quality monitor since October 1993.

REMARKS.--Site inaccessible from Jan. 6, 1994 to Mar. 29, 1994 and from May 2, 1994 to June 6, 1994. Water-quality monitor out of water from June 28, 1994 to July 11, 1994, July 19, 1994 to Aug. 23, 1994, and Aug. 31, 1994 to Sept. 30, 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 443 microsiemens, Oct. 10, 1993, but may have been higher during period of missing record; minimum daily, 122 microsiemens, July 17, Aug. 30, 1994, but may have been lower during period of missing record.

pH: Maximum daily, 8.2 units, Dec. 2, 1993, but may have been higher during period of missing record; minimum daily, 6.0 units, July 14, Aug. 26, 1994, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 30.9°C, July 18, 1994, but may have been higher during period of missing record; minimum daily, 7.5°C, Dec. 26, 1993, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 8.7 mg/L, July 12, 1994, but may have been higher during period of missing record; minimum daily, 0.0 mg/L, several days in June 1994 and July 16, 1994, but may have been 0.0 mg/L during period of missing record.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	394	385	389	305	299	303	318	277	292	256	252	254
2	395	386	391	306	301	303	365	318	348	254	252	253
3	401	389	394	306	301	303	360	347	354	257	254	256
4	408	391	399	306	301	303	348	333	340	259	255	256
5	413	400	407	308	299	305	338	325	333	261	258	260
6	417	402	411	311	305	307	338	324	330	---	---	---
7	425	407	414	310	303	306	347	299	327	---	---	---
8	430	420	425	309	305	307	309	291	301	---	---	---
9	434	426	432	309	302	304	307	292	298	---	---	---
10	443	429	437	310	303	306	300	294	297	---	---	---
11	438	433	436	311	304	308	302	296	299	---	---	---
12	434	427	430	315	309	311	300	285	288	---	---	---
13	---	---	---	319	311	315	287	280	283	---	---	---
14	---	---	---	326	316	320	285	282	284	---	---	---
15	---	---	---	328	298	311	283	277	280	---	---	---
16	---	---	---	304	278	296	277	274	275	---	---	---
17	---	---	---	284	274	279	276	275	276	---	---	---
18	---	---	---	278	265	274	276	269	273	---	---	---
19	---	---	---	280	271	276	269	263	266	---	---	---
20	---	---	---	282	269	276	267	262	264	---	---	---
21	---	---	---	291	282	286	268	267	268	---	---	---
22	364	340	350	294	286	290	268	265	266	---	---	---
23	340	338	339	296	291	293	266	265	265	---	---	---
24	340	338	339	298	294	295	266	263	264	---	---	---
25	343	338	340	303	298	299	265	262	263	---	---	---
26	348	342	344	305	301	303	262	261	262	---	---	---
27	350	345	347	307	299	303	263	262	262	---	---	---
28	352	348	350	310	301	305	288	263	269	---	---	---
29	352	319	347	305	298	302	299	271	285	---	---	---
30	347	295	311	299	282	292	272	258	264	---	---	---
31	304	297	300	---	---	---	262	255	258	---	---	---
MONTH	---	---	---	328	265	299	365	255	288	---	---	---

[illegible]

MISSISSIPPI RIVER DELTA

91325300 OVERBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.3	7.2	7.2	7.1	7.1	7.1	7.6	7.5	7.6	8.0	7.9	8.0
2	7.3	7.2	7.2	7.2	7.1	7.1	7.6	6.5	7.2	7.9	7.9	7.9
3	7.2	7.2	7.2	7.2	7.1	7.1	6.9	6.9	6.9	8.0	7.9	7.9
4	7.3	7.2	7.2	7.1	7.1	7.1	7.0	6.9	6.9	7.9	7.9	7.9
5	7.2	7.2	7.2	7.2	7.1	7.1	6.9	6.9	6.9	7.9	7.9	7.9
6	7.3	7.2	7.2	7.2	7.1	7.2	7.0	6.9	7.0	--	--	--
7	7.3	7.2	7.3	7.2	7.2	7.2	7.1	7.0	7.0	--	--	--
8	7.3	7.2	7.3	7.2	7.2	7.2	7.1	7.0	7.0	--	--	--
9	7.3	7.3	7.3	7.3	7.2	7.3	7.1	7.0	7.1	--	--	--
10	7.4	7.3	7.4	7.4	7.2	7.3	7.1	7.1	7.1	--	--	--
11	7.5	7.4	7.4	7.3	7.2	7.3	7.1	7.0	7.1	--	--	--
12	7.5	7.4	7.5	7.3	7.2	7.3	7.3	7.1	7.2	--	--	--
13	--	--	--	7.3	7.2	7.3	7.3	7.2	7.3	--	--	--
14	--	--	--	7.3	7.2	7.3	7.4	7.3	7.3	--	--	--
15	--	--	--	7.4	7.2	7.3	7.4	7.3	7.4	--	--	--
16	--	--	--	7.4	7.2	7.3	7.4	7.4	7.4	--	--	--
17	--	--	--	7.4	7.3	7.4	7.5	7.4	7.5	--	--	--
18	--	--	--	7.4	7.4	7.4	7.5	7.5	7.5	--	--	--
19	--	--	--	7.4	7.3	7.4	7.5	7.5	7.5	--	--	--
20	--	--	--	7.6	7.3	7.4	7.5	7.5	7.5	--	--	--
21	--	--	--	7.3	7.2	7.3	7.5	7.4	7.4	--	--	--
22	6.9	6.8	6.8	7.3	7.2	7.3	7.5	7.4	7.4	--	--	--
23	6.9	6.9	6.9	7.3	7.2	7.3	7.5	7.4	7.5	--	--	--
24	7.0	6.9	6.9	7.3	7.3	7.3	7.5	7.4	7.5	--	--	--
25	7.0	6.9	6.9	7.3	7.3	7.3	7.5	7.4	7.5	--	--	--
26	7.0	6.9	7.0	7.5	7.3	7.4	7.5	7.5	7.5	--	--	--
27	7.0	7.0	7.0	7.5	7.4	7.5	7.5	7.4	7.5	--	--	--
28	7.1	7.0	7.0	7.5	7.4	7.5	7.4	7.2	7.4	--	--	--
29	7.2	7.0	7.1	7.5	7.5	7.5	7.3	7.2	7.3	--	--	--
30	7.1	7.0	7.1	7.5	7.5	7.5	7.4	7.3	7.3	--	--	--
31	7.1	7.1	7.1	--	--	--	7.4	7.3	7.4	--	--	--
MONTH	7.5	6.8	7.1	7.6	7.1	7.3	7.6	6.5	7.3	8.0	7.9	7.9
	FEBRUARY			MARCH			APRIL			MAY		
1	--	--	--	--	--	--	7.5	7.4	7.5	8.0	7.9	8.0
2	--	--	--	--	--	--	7.6	7.5	7.5	--	--	--
3	--	--	--	--	--	--	7.6	7.5	7.6	--	--	--
4	--	--	--	--	--	--	7.6	7.6	7.6	--	--	--
5	--	--	--	--	--	--	7.6	7.6	7.6	--	--	--
6	--	--	--	--	--	--	7.7	7.6	7.6	--	--	--
7	--	--	--	--	--	--	7.7	7.6	7.6	--	--	--
8	--	--	--	--	--	--	7.7	7.6	7.7	--	--	--
9	--	--	--	--	--	--	7.7	7.7	7.7	--	--	--
10	--	--	--	--	--	--	7.7	7.7	7.7	--	--	--
11	--	--	--	--	--	--	7.7	7.6	7.7	--	--	--
12	--	--	--	--	--	--	7.7	7.6	7.6	--	--	--
13	--	--	--	--	--	--	7.7	7.7	7.7	--	--	--
14	--	--	--	--	--	--	7.7	7.7	7.7	--	--	--
15	--	--	--	--	--	--	7.7	7.7	7.7	--	--	--
16	--	--	--	--	--	--	7.8	7.7	7.8	--	--	--
17	--	--	--	--	--	--	7.8	7.8	7.8	--	--	--
18	--	--	--	--	--	--	7.9	7.8	7.8	--	--	--
19	--	--	--	--	--	--	7.9	7.8	7.8	--	--	--
20	--	--	--	--	--	--	7.9	7.8	7.9	--	--	--
21	--	--	--	--	--	--	7.9	7.9	7.9	--	--	--
22	--	--	--	--	--	--	7.9	7.9	7.9	--	--	--
23	--	--	--	--	--	--	8.0	7.9	7.9	--	--	--
24	--	--	--	--	--	--	8.0	7.9	7.9	--	--	--
25	--	--	--	--	--	--	8.0	7.9	7.9	--	--	--
26	--	--	--	--	--	--	8.0	7.9	7.9	--	--	--
27	--	--	--	--	--	--	7.9	7.9	7.9	--	--	--
28	--	--	--	--	--	--	7.9	7.9	7.9	--	--	--
29	--	--	--	--	--	--	7.9	7.9	7.9	--	--	--
30	--	--	--	7.5	7.4	7.4	8.0	7.9	8.0	--	--	--
31	--	--	--	7.5	7.4	7.4	--	--	--	--	--	--
MONTH	--	--	--	7.5	7.4	7.4	8.0	7.4	7.8	8.0	7.9	8.0

MISSISSIPPI RIVER DELTA

91325300 OVERBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	6.7	6.7	6.7	---	---	---	---	---	---	---	---	---
8	6.7	6.7	6.7	---	---	---	---	---	---	---	---	---
9	6.7	6.7	6.7	---	---	---	---	---	---	---	---	---
10	6.7	6.7	6.7	---	---	---	---	---	---	---	---	---
11	6.7	6.6	6.7	---	---	---	---	---	---	---	---	---
12	6.7	6.6	6.6	6.6	6.3	6.5	---	---	---	---	---	---
13	6.6	6.6	6.6	6.4	6.2	6.3	---	---	---	---	---	---
14	6.6	6.5	6.5	6.4	6.0	6.2	---	---	---	---	---	---
15	6.5	6.4	6.5	6.3	6.1	6.2	---	---	---	---	---	---
16	6.4	6.4	6.4	6.3	6.1	6.2	---	---	---	---	---	---
17	6.4	6.3	6.3	6.4	6.1	6.2	---	---	---	---	---	---
18	6.4	6.3	6.4	6.4	6.1	6.3	---	---	---	---	---	---
19	6.4	6.2	6.3	---	---	---	---	---	---	---	---	---
20	6.4	6.2	6.3	---	---	---	---	---	---	---	---	---
21	6.4	6.2	6.3	---	---	---	---	---	---	---	---	---
22	6.5	6.2	6.3	---	---	---	---	---	---	---	---	---
23	6.5	6.2	6.3	---	---	---	---	---	---	---	---	---
24	6.5	6.3	6.4	---	---	---	6.6	6.3	6.4	---	---	---
25	6.4	6.1	6.3	---	---	---	6.4	6.2	6.3	---	---	---
26	6.4	6.2	6.3	---	---	---	6.4	6.0	6.2	---	---	---
27	6.4	6.3	6.3	---	---	---	6.3	6.1	6.2	---	---	---
28	---	---	---	---	---	---	6.3	6.1	6.2	---	---	---
29	---	---	---	---	---	---	6.4	6.1	6.2	---	---	---
30	---	---	---	---	---	---	6.4	6.1	6.3	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	6.7	6.1	6.5	6.6	6.0	6.3	6.6	6.0	6.3	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.4	21.2	21.8	13.8	12.4	13.1	11.6	11.0	11.3	8.7	8.2	8.5
2	22.4	21.4	21.7	13.5	12.0	12.6	12.4	11.5	12.0	9.1	8.7	8.9
3	22.4	21.4	21.8	13.6	12.6	13.0	12.8	12.3	12.5	9.3	8.9	9.2
4	22.3	21.5	21.8	14.2	13.2	13.7	13.6	12.7	13.0	9.4	8.5	8.8
5	22.1	21.6	21.8	16.2	13.9	14.8	13.7	13.3	13.5	8.8	8.0	8.4
6	22.2	21.7	21.9	15.6	13.5	14.6	13.7	13.5	13.6	---	---	---
7	22.2	21.9	22.0	14.2	11.8	12.9	13.5	12.9	13.1	---	---	---
8	22.3	21.9	22.1	12.5	11.5	11.9	13.2	12.8	12.9	---	---	---
9	22.7	22.1	22.4	12.0	11.7	11.8	13.1	12.8	12.9	---	---	---
10	22.8	22.4	22.6	15.3	11.3	12.7	13.1	12.7	12.9	---	---	---
11	22.4	21.5	21.7	14.3	11.2	12.8	13.2	12.9	13.1	---	---	---
12	21.5	20.9	21.2	15.1	12.6	13.8	13.1	12.4	12.8	---	---	---
13	---	---	---	17.7	14.9	16.3	12.7	12.1	12.3	---	---	---
14	---	---	---	20.5	17.6	19.1	12.1	11.5	11.9	---	---	---
15	---	---	---	20.2	18.8	19.4	11.5	10.9	11.1	---	---	---
16	---	---	---	21.1	18.7	19.7	10.9	10.5	10.6	---	---	---
17	---	---	---	21.0	18.3	19.8	10.5	10.1	10.3	---	---	---
18	---	---	---	18.5	15.8	17.4	10.5	10.1	10.3	---	---	---
19	---	---	---	18.0	16.3	16.9	11.0	10.4	10.7	---	---	---
20	---	---	---	17.0	14.3	15.7	11.3	11.0	11.1	---	---	---
21	---	---	---	14.3	12.7	13.1	11.2	10.9	11.0	---	---	---
22	21.4	19.6	20.4	12.7	11.5	11.9	10.9	10.0	10.6	---	---	---
23	19.6	19.0	19.4	12.0	11.1	11.4	10.0	9.2	9.6	---	---	---
24	19.3	19.0	19.1	11.7	11.3	11.5	9.2	8.2	8.8	---	---	---
25	19.5	18.8	19.1	12.1	11.7	11.9	8.5	7.8	8.1	---	---	---
26	19.6	18.9	19.2	12.4	11.8	12.2	7.9	7.5	7.7	---	---	---
27	19.4	18.6	19.0	11.8	11.0	11.4	8.1	7.7	7.8	---	---	---
28	19.0	17.9	18.5	11.4	10.7	10.9	8.8	8.1	8.3	---	---	---
29	18.6	18.3	18.4	11.0	10.6	10.8	8.8	8.5	8.7	---	---	---
30	18.5	15.4	17.0	11.0	10.8	10.9	8.8	8.2	8.4	---	---	---
31	15.4	13.4	14.6	---	---	---	8.3	8.0	8.2	---	---	---
MONTH	---	---	---	21.1	10.6	13.9	13.7	7.5	10.9	---	---	---

MISSISSIPPI RIVER DELTA

91325300 OVERBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.5	.2	.5	2.7	1.1	2.0	2.7	1.2	1.7	5.3	4.7	5.0
2	2.1	.2	.5	2.8	1.3	2.2	2.1	1.1	1.6	4.7	3.9	4.4
3	1.6	.2	.3	2.5	1.1	1.7	2.1	1.8	1.9	4.9	3.7	4.1
4	1.9	.2	.4	1.1	.2	.6	2.3	1.4	1.8	4.2	3.3	3.8
5	.5	.2	.2	2.1	.2	.6	1.5	1.0	1.2	3.8	3.2	3.6
6	.3	.2	.2	3.3	.4	1.7	2.4	1.1	2.0	--	--	--
7	.6	.2	.2	3.1	.5	1.8	3.0	1.6	2.0	--	--	--
8	.2	.2	.2	2.9	1.7	2.2	3.3	2.2	2.7	--	--	--
9	.2	.2	.2	3.6	2.0	2.8	3.4	1.7	2.7	--	--	--
10	.2	.2	.2	4.2	1.8	2.5	3.3	1.9	2.5	--	--	--
11	.2	.2	.2	3.8	1.5	2.7	2.9	1.4	1.9	--	--	--
12	.3	.2	.2	3.6	1.6	2.7	5.2	2.1	4.8	--	--	--
13	--	--	--	2.1	.7	1.5	5.6	5.0	5.2	--	--	--
14	--	--	--	2.2	.6	1.4	5.6	5.1	5.3	--	--	--
15	--	--	--	3.2	.4	1.8	5.9	5.3	5.6	--	--	--
16	--	--	--	2.6	.3	1.1	6.0	5.4	5.7	--	--	--
17	--	--	--	3.5	1.3	2.5	6.3	5.6	5.9	--	--	--
18	--	--	--	3.0	1.7	2.1	6.4	5.9	6.2	--	--	--
19	--	--	--	2.5	.2	1.5	6.2	6.0	6.1	--	--	--
20	--	--	--	4.0	1.2	2.5	6.4	6.0	6.2	--	--	--
21	--	--	--	3.3	1.2	2.3	6.2	5.7	6.0	--	--	--
22	.6	.2	.3	3.1	1.6	2.5	6.4	5.8	6.1	--	--	--
23	1.0	.2	.4	3.7	1.8	3.0	6.6	6.3	6.5	--	--	--
24	.7	.2	.3	3.1	1.4	2.3	6.9	6.4	6.6	--	--	--
25	1.3	.2	.4	2.5	.6	1.5	6.9	6.2	6.7	--	--	--
26	.8	.2	.3	3.2	.3	1.5	6.8	6.6	6.7	--	--	--
27	1.0	.2	.4	3.4	1.4	2.7	6.8	6.0	6.4	--	--	--
28	1.2	.2	.5	2.9	1.0	2.3	6.0	3.2	5.0	--	--	--
29	1.7	.2	.4	2.2	1.2	1.7	4.5	2.6	3.6	--	--	--
30	1.8	.2	1.2	2.2	1.3	1.7	5.4	4.4	5.0	--	--	--
31	2.4	1.4	1.8	--	--	--	5.4	5.0	5.2	--	--	--
MONTH	--	--	--	4.2	.2	2.0	6.9	1.0	4.4	--	--	--
	FEBRUARY			MARCH			APRIL			MAY		
1	--	--	--	--	--	--	6.8	6.2	6.5	3.8	3.2	3.6
2	--	--	--	--	--	--	6.7	6.2	6.5	--	--	--
3	--	--	--	--	--	--	6.7	6.1	6.4	--	--	--
4	--	--	--	--	--	--	6.6	6.1	6.4	--	--	--
5	--	--	--	--	--	--	6.5	5.7	6.3	--	--	--
6	--	--	--	--	--	--	6.4	5.8	6.2	--	--	--
7	--	--	--	--	--	--	6.2	5.9	6.0	--	--	--
8	--	--	--	--	--	--	6.5	5.8	6.2	--	--	--
9	--	--	--	--	--	--	6.5	6.0	6.3	--	--	--
10	--	--	--	--	--	--	6.4	5.7	6.0	--	--	--
11	--	--	--	--	--	--	6.0	5.2	5.7	--	--	--
12	--	--	--	--	--	--	5.6	4.9	5.3	--	--	--
13	--	--	--	--	--	--	5.7	5.4	5.6	--	--	--
14	--	--	--	--	--	--	5.9	5.5	5.7	--	--	--
15	--	--	--	--	--	--	5.9	5.3	5.7	--	--	--
16	--	--	--	--	--	--	5.7	5.3	5.5	--	--	--
17	--	--	--	--	--	--	5.9	5.6	5.7	--	--	--
18	--	--	--	--	--	--	5.9	5.6	5.7	--	--	--
19	--	--	--	--	--	--	5.9	5.4	5.6	--	--	--
20	--	--	--	--	--	--	5.8	5.3	5.5	--	--	--
21	--	--	--	--	--	--	5.7	5.3	5.4	--	--	--
22	--	--	--	--	--	--	5.4	5.2	5.3	--	--	--
23	--	--	--	--	--	--	5.4	5.1	5.2	--	--	--
24	--	--	--	--	--	--	5.1	4.8	5.0	--	--	--
25	--	--	--	--	--	--	4.9	4.6	4.7	--	--	--
26	--	--	--	--	--	--	4.7	4.1	4.4	--	--	--
27	--	--	--	--	--	--	4.2	3.7	3.9	--	--	--
28	--	--	--	--	--	--	4.1	3.6	3.8	--	--	--
29	--	--	--	--	--	--	4.1	3.6	3.8	--	--	--
30	--	--	--	7.0	6.4	6.6	4.0	3.5	3.8	--	--	--
31	--	--	--	6.9	6.1	6.4	--	--	--	--	--	--
MONTH	--	--	--	--	--	--	6.8	3.5	5.5	--	--	--

MISSISSIPPI RIVER DELTA

91343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA

LOCATION.—Lat 30°05' 58", long 91°34' 38", St. Martin Parish, Hydrologic Unit 08080101, on a three-pile platform attached to a cypress tree 10.3 miles northeast of Loreauville, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1993 to September 1994.

GAGE.—Water-stage recorder with electromagnetic flowmeter. Gage datum is to an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height recorded, 13.09 ft, May 11, 1994; minimum recorded, 2.65 ft, Aug. 30, 1994.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height recorded, 13.09 ft, May 11, but may have been higher during periods of missing record; minimum recorded, 2.65 ft, Aug. 30, but may have been lower during periods of missing record.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.03	9.69	8.01	8.30	11.48	12.14	12.76	10.98	4.39	---	2.86
2	---	5.86	9.75	7.79	8.51	11.49	12.09	12.80	10.31	4.41	---	2.93
3	---	5.77	9.82	7.52	8.68	11.59	12.03	12.89	9.61	4.45	---	2.74
4	---	5.59	9.87	7.16	8.87	11.69	11.98	12.90	9.16	4.53	---	2.67
5	---	5.39	9.93	6.81	9.10	11.79	11.91	12.91	8.63	4.72	---	---
6	---	5.39	9.97	6.55	9.28	11.88	11.88	12.93	8.21	4.74	---	---
7	---	5.42	10.03	6.28	9.42	11.96	11.81	12.96	7.76	4.87	---	---
8	---	5.45	10.08	5.96	9.62	12.01	11.74	13.02	7.13	5.05	---	---
9	---	5.48	10.13	5.75	9.90	12.13	11.75	13.04	6.61	5.20	---	---
10	---	5.49	10.18	5.56	10.20	12.20	11.75	13.07	6.47	5.35	---	---
11	---	5.51	10.23	5.54	10.53	12.23	11.75	13.07	6.37	5.46	---	---
12	---	5.53	10.28	5.65	10.73	12.26	11.75	13.08	6.25	5.45	---	---
13	8.88	5.55	10.35	5.61	10.90	12.29	11.73	13.07	6.11	5.35	---	---
14	8.97	5.57	10.37	5.55	11.02	12.33	11.72	13.07	6.00	5.31	---	---
15	8.79	5.58	10.39	5.59	11.13	12.35	11.74	13.03	5.89	5.20	---	---
16	8.60	5.59	10.40	5.67	11.21	12.37	11.85	12.98	5.78	4.98	---	---
17	8.47	5.60	10.51	5.99	11.27	12.38	11.94	12.95	5.72	4.87	3.22	---
18	8.29	5.66	10.57	6.41	11.31	12.41	11.96	12.85	5.61	4.86	3.08	---
19	8.13	5.69	10.59	6.73	11.32	12.46	12.01	12.76	5.45	4.99	2.79	---
20	7.98	5.74	10.62	7.03	11.32	12.49	12.07	12.68	5.31	---	2.74	---
21	7.80	5.89	10.65	7.33	11.31	12.50	12.13	12.61	5.23	---	2.73	---
22	7.65	6.50	10.67	7.58	11.30	12.49	12.21	12.52	5.17	---	2.70	---
23	7.48	7.21	10.66	7.73	11.34	12.46	12.26	12.44	5.09	---	---	---
24	7.31	7.62	10.55	7.72	11.35	12.42	12.34	12.34	5.14	---	---	---
25	7.13	8.03	10.41	7.52	11.34	12.37	12.38	12.25	5.21	---	---	---
26	6.99	8.44	10.20	7.26	11.34	12.35	12.40	12.17	4.98	---	---	---
27	6.83	8.81	9.90	7.33	11.36	12.36	12.49	12.06	4.92	---	---	---
28	6.67	9.05	9.49	7.86	11.41	12.34	12.55	11.93	4.77	---	---	---
29	6.51	9.25	8.97	8.18	---	12.29	12.59	11.79	4.57	---	---	---
30	6.36	9.48	8.52	8.17	---	12.25	12.68	11.60	4.39	---	2.72	---
31	6.19	---	8.26	8.25	---	12.19	---	11.38	---	---	2.80	---
MAX	8.97	9.48	10.67	8.25	11.41	12.50	12.68	13.08	10.98	5.46	3.22	2.93
MIN	6.19	5.39	8.26	5.54	8.30	11.48	11.72	11.38	4.39	4.39	2.70	2.67

MISSISSIPPI RIVER DELTA

91343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1993 to current year.

PH: July 1993 to current year.

WATER TEMPERATURES: July 1993 to current year.

DISSOLVED OXYGEN: July 1993 to current year.

REMARKS.--Site vandalized Jan. 6-23, 1994. Water-quality monitor out of water from Aug. 9, 1994 to Sept. 30, 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 575 microsiemens, Aug. 8, 1994, but may have been higher during period of missing record; minimum daily, 179 microsiemens, Feb. 4, 1994, but may have been lower during period of missing record.

PH: Maximum daily, 8.8 units, Dec. 21, 1993, but may have been higher during period of missing record; minimum daily, 6.3 units, Mar. 17, 1994, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 33.1°C, Aug. 6, 1994, but may have been higher during period of missing record; minimum daily, 4.5°C, Jan. 25, 1994, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 12.5 mg/L, Jan. 25, 1994, but may have been higher during period of missing record; minimum daily, 4.5 mg/L, Oct. 14, 1993, but may have been lower during period of missing record.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CESSIUS, WATER YEAR JULY 1993 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JULY			AUGUST			SEPTEMBER		
1	---	---	---	368	362	364	390	388	389
2	---	---	---	375	368	372	390	389	389
3	---	---	---	384	375	379	---	---	---
4	---	---	---	394	384	389	---	---	---
5	---	---	---	405	393	399	---	---	---
6	---	---	---	411	405	408	---	---	---
7	---	---	---	413	410	412	---	---	---
8	---	---	---	416	411	413	---	---	---
9	---	---	---	416	408	411	---	---	---
10	---	---	---	410	406	408	---	---	---
11	---	---	---	406	394	400	---	---	---
12	---	---	---	394	382	391	---	---	---
13	416	409	414	382	354	368	---	---	---
14	418	415	416	354	351	352	---	---	---
15	417	408	414	352	350	351	---	---	---
16	410	391	401	357	352	355	---	---	---
17	391	374	382	367	356	361	---	---	---
18	374	365	370	376	367	371	---	---	---
19	366	359	364	384	376	381	---	---	---
20	361	353	357	390	384	388	---	---	---
21	355	347	351	398	390	394	---	---	---
22	349	346	348	403	398	401	---	---	---
23	352	347	349	405	403	404	---	---	---
24	356	350	353	408	405	407	---	---	---
25	361	355	359	408	399	405	---	---	---
26	361	353	357	399	394	396	---	---	---
27	360	354	357	394	382	389	---	---	---
28	365	358	361	388	384	384	---	---	---
29	366	361	364	394	383	387	---	---	---
30	364	362	363	391	386	389	---	---	---
31	364	362	363	389	386	388	---	---	---
MONTH	---	---	---	416	350	388	---	---	---

MISSISSIPPI RIVER DELTA

91343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	—	—	—	—	—	—	—	—	—	289	281	284
2	—	—	—	—	—	—	288	285	286	294	289	292
3	—	—	—	—	—	—	285	282	283	296	293	295
4	—	—	—	—	—	—	287	283	284	297	294	296
5	—	—	—	—	—	—	295	286	290	296	294	295
6	—	—	—	—	—	—	298	295	297	—	—	—
7	—	—	—	—	—	—	298	292	296	—	—	—
8	—	—	—	—	—	—	292	285	287	—	—	—
9	—	—	—	—	—	—	294	285	287	—	—	—
10	—	—	—	—	—	—	299	294	296	—	—	—
11	—	—	—	—	—	—	295	281	286	—	—	—
12	—	—	—	—	—	—	283	280	281	—	—	—
13	—	—	—	—	—	—	283	280	282	—	—	—
14	346	342	344	—	—	—	281	277	279	—	—	—
15	345	342	343	—	—	—	277	270	274	—	—	—
16	348	344	347	—	—	—	270	265	267	—	—	—
17	355	348	351	—	—	—	273	266	271	—	—	—
18	364	355	360	—	—	—	273	271	272	—	—	—
19	372	364	368	—	—	—	272	271	271	—	—	—
20	385	371	377	—	—	—	273	272	272	—	—	—
21	400	383	390	—	—	—	272	270	271	—	—	—
22	406	399	403	—	—	—	—	—	—	—	—	—
23	412	406	409	—	—	—	—	—	—	—	—	—
24	416	412	415	—	—	—	267	260	264	—	—	—
25	420	415	418	—	—	—	260	256	257	282	277	279
26	—	—	—	—	—	—	258	256	257	—	—	276
27	—	—	—	—	—	—	262	258	259	282	272	279
28	—	—	—	—	—	—	271	262	267	281	269	276
29	—	—	—	—	—	—	275	271	273	269	231	251
30	—	—	—	—	—	—	277	273	275	231	196	213
31	—	—	—	—	—	—	281	274	278	196	182	186
MONTH	—	—	—	—	—	—	299	256	277	—	—	—
	FEBRUARY			MARCH			APRIL			MAY		
1	185	183	184	215	205	207	286	276	281	—	—	—
2	188	185	187	223	215	221	289	286	288	—	—	—
3	188	187	188	223	221	222	292	289	290	—	—	—
4	190	179	188	228	223	225	295	291	293	—	—	—
5	195	190	193	237	227	231	300	295	298	—	—	—
6	201	195	199	243	236	240	299	288	294	—	—	—
7	204	198	201	243	241	242	288	277	282	—	—	—
8	204	196	199	244	242	243	277	268	273	—	—	—
9	209	200	204	247	242	244	268	261	264	—	—	—
10	215	209	213	248	245	247	262	258	260	—	—	—
11	219	214	217	245	236	241	260	257	258	—	—	—
12	220	217	219	236	226	230	261	257	260	—	—	—
13	220	217	218	226	221	223	263	261	262	—	—	—
14	220	216	218	221	220	221	263	260	261	—	—	—
15	217	216	217	221	219	219	263	258	262	—	—	—
16	219	217	218	221	219	220	260	258	259	—	—	—
17	220	219	219	256	221	239	262	256	258	—	—	—
18	220	218	219	260	255	257	264	262	264	—	—	—
19	218	216	217	261	259	260	—	—	—	—	—	—
20	216	215	216	261	259	260	—	—	—	—	—	—
21	215	210	213	261	260	260	—	—	—	—	—	—
22	210	205	208	261	259	260	—	—	—	—	—	—
23	206	205	205	260	258	259	—	—	—	—	—	—
24	205	202	203	258	256	257	—	—	—	—	—	—
25	211	204	208	256	254	255	—	—	—	—	—	—
26	222	211	217	256	254	255	—	—	—	—	—	—
27	223	217	221	257	256	256	—	—	—	—	—	—
28	217	206	211	262	257	259	—	—	—	—	—	—
29	—	—	—	265	262	263	—	—	—	—	—	—
30	—	—	—	268	265	266	—	—	—	—	—	—
31	—	—	—	276	268	273	—	—	—	—	—	—
MONTH	223	179	208	276	205	244	—	—	—	—	—	—

MISSISSIPPI RIVER DELTA

91343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	--	--	--	--	--	--	523	486	509	--	--	--
2	--	--	--	--	--	--	521	506	514	--	--	--
3	--	--	--	--	--	--	533	495	520	--	--	--
4	--	--	--	--	--	--	539	519	527	--	--	--
5	--	--	--	--	--	--	544	527	536	--	--	--
6	--	--	--	--	--	--	556	535	545	--	--	--
7	--	--	--	--	--	--	570	545	557	--	--	--
8	--	--	--	--	--	--	575	556	566	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	--	--	--
21	--	--	--	460	448	453	--	--	--	--	--	--
22	--	--	--	457	447	452	--	--	--	--	--	--
23	--	--	--	472	445	462	--	--	--	--	--	--
24	--	--	--	473	454	464	--	--	--	--	--	--
25	--	--	--	485	468	478	--	--	--	--	--	--
26	--	--	--	496	484	491	--	--	--	--	--	--
27	--	--	--	506	441	477	--	--	--	--	--	--
28	--	--	--	489	464	480	--	--	--	--	--	--
29	--	--	--	505	483	494	--	--	--	--	--	--
30	--	--	--	509	492	501	--	--	--	--	--	--
31	--	--	--	515	501	510	--	--	--	--	--	--
MONTH	--	--	--	--	--	--	--	--	--	--	--	--

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR JULY 1993 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JULY			AUGUST			SEPTEMBER		
1	--	--	--	7.8	7.7	7.8	--	--	--
2	--	--	--	7.8	7.8	7.8	--	--	--
3	--	--	--	7.8	7.8	7.8	--	--	--
4	--	--	--	7.9	7.8	7.8	--	--	--
5	--	--	--	7.9	7.8	7.9	--	--	--
6	--	--	--	7.9	7.9	7.9	--	--	--
7	--	--	--	7.9	7.9	7.9	--	--	--
8	--	--	--	7.9	7.9	7.9	--	--	--
9	--	--	--	7.9	7.9	7.9	--	--	--
10	--	--	--	7.9	7.9	7.9	--	--	--
11	--	--	--	7.9	7.9	7.9	--	--	--
12	--	--	--	7.9	7.9	7.9	--	--	--
13	7.8	7.7	7.8	--	--	--	--	--	--
14	7.7	7.7	7.7	--	--	--	--	--	--
15	7.7	7.7	7.7	--	--	--	--	--	--
16	7.7	7.6	7.6	--	--	--	--	--	--
17	7.6	7.6	7.6	--	--	--	--	--	--
18	7.6	7.4	7.5	--	--	--	--	--	--
19	7.6	7.4	7.5	--	--	--	--	--	--
20	7.7	7.6	7.7	--	--	--	--	--	--
21	7.7	7.6	7.7	--	--	--	--	--	--
22	7.8	7.7	7.8	--	--	--	--	--	--
23	7.8	7.7	7.8	--	--	--	--	--	--
24	7.8	7.7	7.8	--	--	--	--	--	--
25	7.9	7.8	7.8	--	--	--	--	--	--
26	7.9	7.8	7.8	--	--	--	--	--	--
27	7.9	7.6	7.7	--	--	--	--	--	--
28	7.7	7.7	7.7	--	--	--	--	--	--
29	7.7	7.7	7.7	--	--	--	--	--	--
30	7.7	7.7	7.7	--	--	--	--	--	--
31	7.7	7.7	7.7	--	--	--	--	--	--
MONTH	7.9	7.4	7.7	7.9	7.7	7.9	--	--	--

MISSISSIPPI RIVER DELTA

91343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	---	---	---	7.8	7.7	7.8
2	---	---	---	---	---	---	7.4	7.2	7.3	7.8	7.8	7.8
3	---	---	---	---	---	---	7.5	7.4	7.4	7.9	7.8	7.8
4	---	---	---	---	---	---	7.5	7.4	7.5	7.9	7.8	7.8
5	---	---	---	---	---	---	7.5	7.4	7.5	7.9	7.9	7.9
6	---	---	---	---	---	---	7.6	7.5	7.5	---	---	---
7	---	---	---	---	---	---	7.6	7.5	7.5	---	---	---
8	---	---	---	---	---	---	7.6	7.5	7.6	---	---	---
9	---	---	---	---	---	---	7.6	7.5	7.6	---	---	---
10	---	---	---	---	---	---	7.7	7.6	7.7	---	---	---
11	---	---	---	---	---	---	7.7	7.6	7.6	---	---	---
12	---	---	---	---	---	---	7.7	7.6	7.7	---	---	---
13	---	---	---	---	---	---	7.7	7.6	7.7	---	---	---
14	---	---	---	---	---	---	7.8	7.7	7.7	---	---	---
15	8.0	7.8	7.9	---	---	---	7.8	7.6	7.7	---	---	---
16	8.1	8.0	8.1	---	---	---	7.8	7.7	7.7	---	---	---
17	8.2	8.1	8.2	---	---	---	7.8	7.7	7.8	---	---	---
18	8.3	8.2	8.3	---	---	---	7.8	7.7	7.8	---	---	---
19	8.4	8.3	8.3	---	---	---	7.8	7.7	7.8	---	---	---
20	8.5	8.4	8.4	---	---	---	7.8	7.7	7.8	---	---	---
21	8.5	8.5	8.5	---	---	---	7.8	7.7	7.8	---	---	---
22	8.6	8.5	8.5	---	---	---	---	---	---	---	---	---
23	8.6	8.6	8.6	---	---	---	---	---	---	---	---	---
24	8.7	8.6	8.7	---	---	---	7.7	7.6	7.7	---	---	---
25	8.7	8.7	8.7	---	---	---	7.7	7.6	7.7	7.9	7.7	7.8
26	---	---	---	---	---	---	7.7	7.7	7.7	---	---	8.0
27	---	---	---	---	---	---	7.7	7.7	7.7	8.0	7.9	7.9
28	---	---	---	---	---	---	7.7	7.7	7.7	8.0	7.9	7.9
29	---	---	---	---	---	---	7.7	7.7	7.7	7.9	7.7	7.8
30	---	---	---	---	---	---	7.7	7.7	7.7	7.7	7.7	7.7
31	---	---	---	---	---	---	7.8	7.7	7.7	7.7	7.5	7.6
MONTH	8.7	7.8	8.4	---	---	---	7.8	7.2	7.7	8.0	7.5	7.8
FEBRUARY			MARCH			APRIL			MAY			
1	7.6	7.5	7.6	9.1	9.0	---	8.2	8.1	8.2	---	---	---
2	8.0	7.5	7.8	9.2	9.1	---	8.1	8.1	8.1	---	---	---
3	7.9	7.8	7.9	9.4	9.2	---	8.1	8.0	8.1	---	---	---
4	7.9	7.9	7.9	9.4	9.4	---	8.1	8.0	8.1	---	---	---
5	7.9	7.8	7.8	9.5	9.4	---	8.0	8.0	8.0	---	---	---
6	7.9	7.8	7.8	9.6	9.5	---	8.1	8.0	8.0	---	---	---
7	7.9	7.7	7.8	9.6	9.6	---	8.0	7.9	8.0	---	---	---
8	8.0	7.8	7.9	9.7	9.6	---	7.9	7.9	7.9	---	---	---
9	7.9	7.8	7.9	9.8	9.7	---	7.9	7.8	7.9	---	---	---
10	7.8	7.6	7.7	9.8	9.8	---	7.9	7.9	7.9	---	---	---
11	7.7	7.6	7.6	10.0	10.0	---	7.9	7.8	7.8	---	---	---
12	7.6	7.5	7.6	10.1	10.0	---	7.8	7.7	7.8	---	---	---
13	7.5	7.4	7.5	10.0	10.0	---	7.8	7.7	7.8	---	---	---
14	7.6	7.5	7.5	10.0	10.0	---	7.8	7.7	7.7	---	---	---
15	7.6	7.5	7.6	10.1	10.0	---	7.7	7.6	7.7	---	---	---
16	7.6	7.5	7.5	10.1	10.0	---	7.7	7.6	7.7	---	---	---
17	7.6	7.4	7.6	10.1	6.3	7.4	7.7	7.6	7.6	---	---	---
18	7.7	7.6	---	7.6	7.4	7.4	7.6	7.6	7.6	---	---	---
19	7.9	7.7	---	7.7	7.5	7.6	---	---	---	---	---	---
20	8.0	7.9	---	7.7	7.6	7.7	---	---	---	---	---	---
21	8.1	8.0	---	7.8	7.6	7.7	---	---	---	---	---	---
22	8.4	8.1	---	7.8	7.7	7.7	---	---	---	---	---	---
23	8.4	8.3	---	7.9	7.7	7.8	---	---	---	---	---	---
24	8.5	8.4	---	8.0	7.9	8.0	---	---	---	---	---	---
25	8.8	8.5	---	8.1	8.0	8.1	---	---	---	---	---	---
26	8.8	8.7	---	8.1	8.0	8.1	---	---	---	---	---	---
27	8.9	8.8	---	8.2	8.1	8.2	---	---	---	---	---	---
28	9.0	8.9	---	8.2	8.1	8.2	---	---	---	---	---	---
29	---	---	---	8.2	8.1	8.2	---	---	---	---	---	---
30	---	---	---	8.2	8.1	8.2	---	---	---	---	---	---
31	---	---	---	8.2	8.1	8.2	---	---	---	---	---	---
MONTH	9.0	7.4	7.7	10.1	6.3	7.9	8.2	7.6	7.9	---	---	---

MISSISSIPPI RIVER DELTA

91343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	7.6	7.3	7.4	---	---	---
2	---	---	---	---	---	---	7.5	7.3	7.4	---	---	---
3	---	---	---	---	---	---	7.7	7.3	7.5	---	---	---
4	---	---	---	---	---	---	8.0	7.3	7.6	---	---	---
5	---	---	---	---	---	---	8.0	7.4	7.7	---	---	---
6	---	---	---	---	---	---	8.0	7.4	7.7	---	---	---
7	---	---	---	---	---	---	7.9	7.4	7.6	---	---	---
8	---	---	---	---	---	---	7.8	7.4	7.5	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	8.0	7.3	7.6	---	---	---	---	---	---
22	---	---	---	7.9	7.3	7.6	---	---	---	---	---	---
23	---	---	---	7.8	7.3	7.5	---	---	---	---	---	---
24	---	---	---	8.4	7.3	7.7	---	---	---	---	---	---
25	---	---	---	8.3	7.4	7.8	---	---	---	---	---	---
26	---	---	---	8.2	7.5	7.8	---	---	---	---	---	---
27	---	---	---	7.7	7.4	7.5	---	---	---	---	---	---
28	---	---	---	7.8	7.3	7.5	---	---	---	---	---	---
29	---	---	---	7.9	7.3	7.5	---	---	---	---	---	---
30	---	---	---	7.8	7.3	7.5	---	---	---	---	---	---
31	---	---	---	7.6	7.3	7.4	---	---	---	---	---	---
MONTH	---	---	---	8.4	7.3	7.6	8.0	7.3	7.5	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR JULY 1993 TO SEPTEMBER 1993

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JULY			AUGUST			SEPTEMBER		
1	---	---	---	30.6	29.9	30.2	30.6	29.9	30.2
2	---	---	---	30.5	30.0	30.2	30.5	30.0	30.2
3	---	---	---	30.5	29.9	30.1	---	---	---
4	---	---	---	30.4	29.8	30.1	---	---	---
5	---	---	---	30.1	29.6	29.9	---	---	---
6	---	---	---	30.0	29.4	29.6	---	---	---
7	---	---	---	29.4	28.8	29.1	---	---	---
8	---	---	---	29.2	28.6	28.9	---	---	---
9	---	---	---	29.4	28.7	29.0	---	---	---
10	---	---	---	29.4	28.7	29.0	---	---	---
11	---	---	---	29.4	28.8	29.0	---	---	---
12	---	---	---	29.4	28.7	29.0	---	---	---
13	29.3	28.4	28.8	29.3	28.7	28.9	---	---	---
14	29.3	28.5	28.9	29.3	28.6	28.9	---	---	---
15	28.8	28.4	28.6	29.3	28.7	28.9	---	---	---
16	29.1	28.2	28.6	29.3	28.6	28.9	---	---	---
17	29.3	28.3	28.7	29.1	28.5	28.7	---	---	---
18	29.5	28.5	28.9	29.2	28.4	28.7	---	---	---
19	29.6	28.7	29.0	29.2	28.6	28.8	---	---	---
20	29.8	28.8	29.2	29.1	28.5	28.7	---	---	---
21	29.8	28.9	29.2	28.7	28.4	28.5	---	---	---
22	29.5	28.9	29.2	29.0	28.5	28.7	---	---	---
23	29.9	29.0	29.3	29.3	28.6	28.9	---	---	---
24	30.0	29.2	29.5	29.5	28.7	29.1	---	---	---
25	29.7	29.2	29.4	29.6	29.0	29.3	---	---	---
26	29.9	29.2	29.5	29.8	29.2	29.5	---	---	---
27	30.1	29.3	29.6	29.7	29.3	29.5	---	---	---
28	30.3	29.5	29.8	30.2	29.3	29.7	---	---	---
29	30.5	29.7	30.0	30.4	29.7	30.0	---	---	---
30	30.5	29.7	30.0	30.5	29.5	30.1	---	---	---
31	30.6	29.8	30.2	30.6	29.9	30.2	---	---	---
MONTH	---	---	---	30.6	28.4	29.3	---	---	---

MISSISSIPPI RIVER DELTA

91343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	—	—	—	—	—	—	—	—	—	8.4	8.0	8.2
2	—	—	—	—	—	—	10.8	10.3	10.5	8.2	7.9	8.0
3	—	—	—	—	—	—	10.8	10.4	10.6	7.9	7.4	7.6
4	—	—	—	—	—	—	11.0	10.6	10.9	7.9	7.1	7.5
5	—	—	—	—	—	—	10.7	10.3	10.5	7.8	7.0	7.4
6	—	—	—	—	—	—	10.4	10.1	10.2	—	—	—
7	—	—	—	—	—	—	10.3	9.9	10.0	—	—	—
8	—	—	—	—	—	—	10.5	10.0	10.2	—	—	—
9	—	—	—	—	—	—	10.6	10.1	10.3	—	—	—
10	—	—	—	—	—	—	10.7	10.3	10.4	—	—	—
11	—	—	—	—	—	—	10.6	10.2	10.4	—	—	—
12	—	—	—	—	—	—	10.4	10.1	10.2	—	—	—
13	—	—	—	—	—	—	10.4	10.2	10.3	—	—	—
14	19.6	19.2	19.4	—	—	—	10.3	9.9	10.1	—	—	—
15	19.7	19.2	19.4	—	—	—	10.1	9.7	9.9	—	—	—
16	19.8	19.2	19.4	—	—	—	9.9	9.5	9.7	—	—	—
17	19.9	19.1	19.4	—	—	—	9.8	9.4	9.6	—	—	—
18	20.0	19.2	19.6	—	—	—	9.7	9.4	9.5	—	—	—
19	20.3	19.3	19.8	—	—	—	9.5	9.3	9.4	—	—	—
20	20.8	19.7	20.2	—	—	—	9.4	9.2	9.3	—	—	—
21	20.6	19.8	20.1	—	—	—	9.3	8.9	9.1	—	—	—
22	19.8	19.1	19.3	—	—	—	—	—	—	—	—	—
23	20.0	18.9	19.4	—	—	—	—	—	—	—	—	—
24	19.6	19.1	19.3	—	—	—	8.4	8.0	8.2	—	—	—
25	19.8	19.0	19.4	—	—	—	8.4	7.8	8.1	5.6	4.5	5.0
26	—	—	—	—	—	—	8.4	7.9	8.1	6.0	5.1	5.6
27	—	—	—	—	—	—	8.6	7.9	8.2	7.1	5.9	6.6
28	—	—	—	—	—	—	8.7	8.3	8.5	6.6	5.7	6.1
29	—	—	—	—	—	—	8.6	8.4	8.5	6.8	5.7	6.2
30	—	—	—	—	—	—	8.5	8.0	8.3	8.0	6.8	7.5
31	—	—	—	—	—	—	8.5	7.9	8.2	8.9	7.8	8.3
MONTH	—	—	—	—	—	—	11.0	7.8	9.5	—	—	—
	FEBRUARY			MARCH			APRIL			MAY		
1	8.6	8.2	8.4	9.7	9.5	9.6	14.1	13.3	13.7	—	—	—
2	8.6	7.9	8.2	9.5	9.1	9.4	14.4	13.6	14.0	—	—	—
3	8.1	7.7	7.9	9.6	8.9	9.2	14.3	14.0	14.1	—	—	—
4	7.9	7.7	7.8	9.7	9.0	9.3	14.6	13.8	14.2	—	—	—
5	8.2	7.7	7.9	9.4	8.9	9.1	14.5	14.1	14.2	—	—	—
6	8.1	7.5	7.7	9.2	8.8	9.0	14.3	13.6	14.0	—	—	—
7	7.9	7.5	7.6	9.5	9.0	9.2	14.4	13.5	13.9	—	—	—
8	8.6	7.7	8.2	10.1	9.4	9.7	14.6	13.7	14.1	—	—	—
9	8.6	8.1	8.3	10.0	9.6	9.9	14.6	14.0	14.3	—	—	—
10	8.2	7.3	7.7	10.0	9.4	9.7	15.0	14.2	14.6	—	—	—
11	7.4	7.0	7.2	10.1	9.4	9.7	15.5	14.7	15.0	—	—	—
12	7.3	6.9	7.0	10.2	9.5	9.8	15.3	15.0	15.1	—	—	—
13	7.4	6.9	7.1	10.3	9.7	10.0	15.6	14.8	15.2	—	—	—
14	7.3	6.6	6.9	10.5	9.8	10.1	15.7	15.2	15.4	—	—	—
15	6.7	6.4	6.6	10.3	10.0	10.2	16.1	15.5	15.8	—	—	—
16	6.9	6.2	6.5	10.7	10.2	10.4	15.9	15.8	15.8	—	—	—
17	6.8	6.1	6.4	11.1	10.3	10.7	16.5	15.7	16.1	—	—	—
18	6.9	6.2	6.5	11.5	10.7	11.0	16.8	16.1	16.4	—	—	—
19	7.3	6.6	6.9	11.5	11.0	11.2	—	—	—	—	—	—
20	7.6	7.1	7.3	12.0	11.3	11.6	—	—	—	—	—	—
21	8.1	7.4	7.7	12.3	11.8	12.0	—	—	—	—	—	—
22	8.5	7.8	8.1	12.8	12.0	12.4	—	—	—	—	—	—
23	8.6	8.3	8.5	13.3	12.5	12.9	—	—	—	—	—	—
24	8.9	8.1	8.5	13.6	13.0	13.3	—	—	—	—	—	—
25	9.4	8.5	8.9	13.7	13.3	13.4	—	—	—	—	—	—
26	9.5	9.0	9.2	13.7	13.3	13.5	—	—	—	—	—	—
27	9.5	8.9	9.2	14.0	13.6	13.8	—	—	—	—	—	—
28	9.8	9.1	9.4	13.8	13.4	13.6	—	—	—	—	—	—
29	—	—	—	13.9	13.2	13.5	—	—	—	—	—	—
30	—	—	—	14.0	13.3	13.6	—	—	—	—	—	—
31	—	—	—	13.9	13.3	13.6	—	—	—	—	—	—
MONTH	9.8	6.1	7.8	14.0	8.8	11.1	—	—	—	—	—	—

MISSISSIPPI RIVER DELTA

91343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	---	---	---	10.1	9.8	9.9
2	---	---	---	---	---	---	10.1	9.8	9.9	10.1	9.8	10.0
3	---	---	---	---	---	---	10.3	9.8	9.9	10.2	10.0	10.1
4	---	---	---	---	---	---	10.0	9.8	9.9	10.2	9.9	10.1
5	---	---	---	---	---	---	10.1	9.9	10.0	10.3	10.1	10.2
6	---	---	---	---	---	---	10.1	10.0	10.1	---	---	---
7	---	---	---	---	---	---	10.3	10.1	10.2	---	---	---
8	---	---	---	---	---	---	10.3	10.1	10.3	---	---	---
9	---	---	---	---	---	---	10.3	10.1	10.2	---	---	---
10	---	---	---	---	---	---	10.1	9.7	9.9	---	---	---
11	---	---	---	---	---	---	9.8	9.6	9.7	---	---	---
12	---	---	---	---	---	---	9.7	9.6	9.7	---	---	---
13	---	---	---	---	---	---	9.9	9.6	9.8	---	---	---
14	9.2	4.5	6.9	---	---	---	9.9	9.8	9.9	---	---	---
15	8.9	8.7	8.8	---	---	---	10.0	9.9	9.9	---	---	---
16	8.7	8.5	8.6	---	---	---	10.1	9.9	10.0	---	---	---
17	8.6	8.5	8.6	---	---	---	10.1	9.9	10.0	---	---	---
18	8.6	8.5	8.5	---	---	---	10.2	10.0	10.1	---	---	---
19	8.6	8.4	8.4	---	---	---	10.2	9.9	10.1	---	---	---
20	8.5	8.2	8.3	---	---	---	10.2	9.9	10.1	---	---	---
21	8.3	8.0	8.1	---	---	---	10.3	10.0	10.2	---	---	---
22	8.2	8.0	8.1	---	---	---	---	---	---	---	---	---
23	8.1	7.9	8.1	---	---	---	---	---	---	---	---	---
24	8.2	8.1	8.1	---	---	---	10.8	9.9	10.3	---	---	---
25	8.4	8.2	8.2	---	---	---	10.9	10.1	10.3	12.5	12.3	12.4
26	---	---	---	---	---	---	10.3	10.1	10.3	12.3	12.1	12.2
27	---	---	---	---	---	---	10.3	9.9	10.2	12.1	11.9	12.0
28	---	---	---	---	---	---	10.2	9.9	10.1	12.0	11.9	11.9
29	---	---	---	---	---	---	10.0	9.7	9.9	12.0	11.3	11.7
30	---	---	---	---	---	---	9.9	9.7	9.8	11.3	10.5	10.8
31	---	---	---	---	---	---	10.0	9.7	9.9	10.5	10.0	10.2
MONTH	9.2	4.5	8.2	---	---	---	10.9	9.6	10.0	12.5	9.8	11.0
FEBRUARY			MARCH			APRIL			MAY			
1	10.1	9.9	10.0	9.9	9.9	9.9	---	---	---	---	---	---
2	10.2	10.1	10.1	10.0	9.8	9.9	---	---	---	---	---	---
3	10.3	10.1	10.2	10.0	9.9	10.0	---	---	---	---	---	---
4	10.4	10.3	10.3	10.0	9.9	10.0	---	---	---	---	---	---
5	10.5	10.3	10.4	10.0	9.9	10.0	---	---	---	---	---	---
6	10.7	10.4	10.5	10.0	9.9	9.9	---	---	---	---	---	---
7	10.7	10.6	10.6	9.9	9.8	9.8	---	---	---	---	---	---
8	10.7	10.4	10.5	9.8	9.7	9.7	---	---	---	---	---	---
9	10.8	10.5	10.6	9.8	9.7	9.7	---	---	---	---	---	---
10	10.9	10.7	10.8	9.8	9.7	9.8	---	---	---	---	---	---
11	11.0	10.9	10.9	9.7	9.7	9.7	---	---	---	---	---	---
12	11.0	10.9	10.9	9.7	9.6	9.6	---	---	---	---	---	---
13	10.9	10.8	10.9	9.6	9.5	9.6	---	---	---	---	---	---
14	10.9	10.8	10.9	9.6	9.5	9.5	---	---	---	---	---	---
15	10.9	10.8	10.8	9.5	9.5	9.5	---	---	---	---	---	---
16	10.9	10.8	10.9	9.5	9.4	9.4	---	---	---	---	---	---
17	11.1	10.8	11.0	---	---	---	---	---	---	---	---	---
18	11.2	10.9	11.1	---	---	---	---	---	---	---	---	---
19	11.1	11.0	11.1	---	---	---	---	---	---	---	---	---
20	11.0	10.8	10.9	---	---	---	---	---	---	---	---	---
21	10.8	10.7	10.7	---	---	---	---	---	---	---	---	---
22	10.7	10.5	10.6	---	---	---	---	---	---	---	---	---
23	10.5	10.5	10.5	---	---	---	---	---	---	---	---	---
24	10.5	10.4	10.5	---	---	---	---	---	---	---	---	---
25	10.4	10.2	10.3	---	---	---	---	---	---	---	---	---
26	10.2	10.1	10.2	---	---	---	---	---	---	---	---	---
27	10.2	10.0	10.1	---	---	---	---	---	---	---	---	---
28	10.0	9.9	10.0	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	11.2	9.9	10.6	10.0	9.4	9.7	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA
91344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1994 to September 1994.

PH: March 1994 to September 1994.

WATER TEMPERATURES: March 1994 to September 1994.

DISSOLVED OXYGEN: March 1994 to September 1994.

INSTRUMENTATION.--Water-quality monitor since March 1994.

REMARKS.--Dissolved oxygen probe fouled due to bank failure Aug. 20-23, 1994. Water-quality monitor out of water Aug. 23, 1994 to Sept. 30, 1994. Dissolved oxygen may show 10 percent error due to inaccuracy of meter.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 489 microsiemens, July 22, 1994, but may have been higher during period of missing record; minimum daily, 259 microsiemens, April 26, 1994, but may have been lower during period of missing record.

pH: Maximum daily, 8.8 units, July 19, 1994, but may have been higher during period of missing record; minimum daily, 6.8 units, Mar. 18-31, Apr. 1, 1994, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 30.7°C, Aug. 20, 1994, but may have been higher during period of missing record; minimum daily, 11.0°C, Mar. 18, 1994, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 10.1 mg/L, Aug. 19, 1994, but may have been higher during period of missing record; minimum daily, 3.1 mg/L, Aug. 9, 1994, but may have been lower during period of missing record.

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR MARCH 1994 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MARCH			APRIL			MAY		
1	---	---	---	299	290	295	282	276	279
2	---	---	---	304	299	302	282	280	281
3	---	---	---	306	303	305	284	281	283
4	---	---	---	310	306	308	284	282	284
5	---	---	---	316	309	313	284	282	283
6	---	---	---	315	302	309	286	283	285
7	---	---	---	302	289	295	292	286	288
8	---	---	---	289	281	286	301	291	297
9	---	---	---	---	---	---	336	301	314
10	---	---	---	---	---	---	339	309	326
11	---	---	---	---	---	---	309	298	303
12	---	---	---	---	---	---	300	298	299
13	---	---	---	---	---	---	300	293	297
14	---	---	---	---	---	---	293	289	291
15	---	---	---	---	---	---	290	288	289
16	---	---	---	---	---	---	295	290	292
17	---	---	---	---	---	---	300	295	298
18	---	---	---	---	---	---	305	300	303
19	274	272	272	---	---	---	312	305	309
20	274	272	274	271	262	266	312	311	312
21	274	273	273	276	271	273	316	312	314
22	273	273	273	279	275	278	319	316	318
23	273	270	272	279	275	277	321	319	320
24	270	268	269	275	267	271	320	315	318
25	268	266	268	267	260	263	315	310	313
26	269	266	267	261	259	260	310	307	308
27	270	269	270	264	260	261	308	306	307
28	275	270	273	268	264	266	312	307	308
29	278	275	276	273	268	270	309	308	308
30	281	278	279	276	273	274	---	---	---
31	290	281	287	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	339	276	301

MISSISSIPPI RIVER DELTA

91344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE—Continued

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR MARCH 1994 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	—	—	—	370	354	361	389	377	384	—	—	—
2	—	—	—	378	364	372	377	366	372	—	—	—
3	—	—	—	393	374	385	373	363	367	—	—	—
4	—	—	—	407	390	400	381	368	372	—	—	—
5	—	—	—	404	395	399	391	379	384	—	—	—
6	—	—	—	407	399	402	395	382	388	—	—	—
7	—	—	—	412	406	409	395	385	390	—	—	—
8	—	—	—	423	408	414	399	389	394	—	—	—
9	334	328	330	424	418	422	397	381	389	—	—	—
10	372	333	345	424	413	421	392	379	386	—	—	—
11	416	372	398	420	399	412	398	390	394	—	—	—
12	400	393	398	415	400	411	405	397	401	—	—	—
13	404	386	394	412	406	410	405	400	403	—	—	—
14	409	397	403	408	399	403	402	391	396	—	—	—
15	412	392	401	399	397	398	394	388	391	—	—	—
16	408	389	398	400	397	398	400	393	395	—	—	—
17	407	398	403	400	395	397	399	393	396	—	—	—
18	400	392	397	406	400	404	417	398	404	—	—	—
19	412	395	402	—	—	—	428	416	420	—	—	—
20	414	394	403	—	—	—	429	425	427	—	—	—
21	402	384	395	474	422	450	430	422	426	—	—	—
22	405	384	396	489	474	482	441	428	431	—	—	—
23	406	392	399	481	440	460	—	—	—	—	—	—
24	399	380	392	453	433	439	—	—	—	—	—	—
25	386	380	383	474	453	467	—	—	—	—	—	—
26	385	378	381	472	455	465	—	—	—	—	—	—
27	386	373	381	455	432	445	—	—	—	—	—	—
28	378	366	372	437	423	432	—	—	—	—	—	—
29	368	359	366	423	413	417	—	—	—	—	—	—
30	363	356	359	414	405	411	—	—	—	—	—	—
31	—	—	—	405	389	397	—	—	—	—	—	—
MONTH	—	—	—	489	354	417	—	—	—	—	—	—

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR MARCH 1994 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MARCH			APRIL			MAY		
1	—	—	—	7.0	6.8	6.9	7.6	7.5	7.5
2	—	—	—	7.0	6.9	6.9	7.6	7.5	7.5
3	—	—	—	7.0	6.9	6.9	7.6	7.5	7.5
4	—	—	—	6.9	6.9	6.9	7.6	7.5	7.5
5	—	—	—	6.9	6.9	6.9	7.6	7.5	7.5
6	—	—	—	7.0	6.9	6.9	7.6	7.6	7.6
7	—	—	—	6.9	6.9	6.9	7.6	7.6	7.6
8	—	—	—	6.9	6.9	6.9	7.6	7.6	7.6
9	—	—	—	—	—	—	7.7	7.6	7.6
10	—	—	—	—	—	—	7.7	7.7	7.7
11	—	—	—	—	—	—	7.7	7.7	7.7
12	—	—	—	—	—	—	7.7	7.7	7.7
13	—	—	—	—	—	—	7.7	7.6	7.7
14	—	—	—	—	—	—	7.7	7.6	7.7
15	—	—	—	—	—	—	7.7	7.6	7.6
16	—	—	—	—	—	—	7.7	7.6	7.6
17	—	—	—	—	—	—	7.7	7.6	7.7
18	—	—	—	—	—	—	7.7	7.7	7.7
19	6.8	6.8	6.8	—	—	—	7.7	7.7	7.7
20	6.9	6.8	6.9	7.7	7.6	7.7	7.7	7.7	7.7
21	6.9	6.8	6.9	7.7	7.6	7.7	7.7	7.7	7.7
22	6.9	6.9	6.9	7.7	7.6	7.6	7.8	7.7	7.7
23	6.9	6.8	6.9	7.6	7.6	7.6	7.8	7.7	7.8
24	6.9	6.8	6.8	7.6	7.6	7.6	7.8	7.8	7.8
25	6.8	6.8	6.8	7.6	7.5	7.5	7.8	7.7	7.8
26	6.8	6.8	6.8	7.6	7.5	7.5	7.8	7.8	7.8
27	6.9	6.8	6.8	7.5	7.5	7.5	7.8	7.8	7.8
28	6.8	6.8	6.8	7.5	7.5	7.5	7.8	7.7	7.8
29	6.9	6.8	6.8	7.5	7.5	7.5	7.8	7.7	7.8
30	6.8	6.8	6.8	7.6	7.5	7.5	—	—	—
31	6.9	6.8	6.9	—	—	—	—	—	—
MONTH	—	—	—	—	—	—	7.8	7.5	7.7

MISSISSIPPI RIVER DELTA

91344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR MARCH 1994 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	—	—	—	7.9	7.8	7.8	7.6	7.5	7.6	—	—	—
2	—	—	—	7.9	7.9	7.9	7.5	7.4	7.5	—	—	—
3	—	—	—	8.0	7.9	7.9	7.4	7.4	7.4	—	—	—
4	—	—	—	8.0	7.9	8.0	7.4	7.3	7.3	—	—	—
5	—	—	—	8.0	7.9	7.9	7.4	7.3	7.3	—	—	—
6	—	—	—	8.0	7.9	8.0	7.3	7.2	7.3	—	—	—
7	—	—	—	8.0	8.0	8.0	7.3	7.2	7.2	—	—	—
8	—	—	—	8.1	8.0	8.0	7.3	7.1	7.2	—	—	—
9	7.3	7.1	7.1	8.0	8.0	8.0	7.5	7.1	7.3	—	—	—
10	7.4	7.1	7.2	8.1	8.0	8.1	7.7	7.5	7.6	—	—	—
11	7.4	7.2	7.3	8.0	7.9	8.0	7.7	7.6	7.7	—	—	—
12	7.4	7.4	7.4	8.0	7.9	8.0	7.7	7.6	7.7	—	—	—
13	7.5	7.4	7.4	8.0	7.9	8.0	7.8	7.7	7.7	—	—	—
14	7.6	7.4	7.5	8.0	7.9	8.0	7.8	7.7	7.7	—	—	—
15	7.6	7.4	7.5	8.0	8.0	8.0	7.9	7.7	7.8	—	—	—
16	7.6	7.5	7.6	8.0	7.9	8.0	7.9	7.8	7.8	—	—	—
17	7.7	7.6	7.6	8.0	7.9	8.0	8.0	7.8	7.9	—	—	—
18	7.7	7.6	7.6	8.0	7.9	8.0	8.2	7.9	8.0	—	—	—
19	7.7	7.6	7.7	8.8	7.5	7.9	8.3	8.0	8.1	—	—	—
20	7.7	7.6	7.7	8.3	7.6	8.1	8.2	8.0	8.1	—	—	—
21	7.7	7.7	7.7	8.3	8.1	8.2	8.1	8.0	8.1	—	—	—
22	7.8	7.7	7.7	8.2	8.1	8.2	8.2	8.0	8.1	—	—	—
23	7.7	7.7	7.7	8.1	8.0	8.1	—	—	—	—	—	—
24	7.7	7.7	7.7	8.0	7.9	8.0	—	—	—	—	—	—
25	7.7	7.6	7.7	8.0	7.9	7.9	—	—	—	—	—	—
26	7.8	7.7	7.7	7.9	7.8	7.9	—	—	—	—	—	—
27	7.9	7.7	7.8	7.9	7.8	7.8	—	—	—	—	—	—
28	7.9	7.8	7.8	7.9	7.7	7.8	—	—	—	—	—	—
29	7.9	7.8	7.9	7.8	7.7	7.8	—	—	—	—	—	—
30	7.9	7.8	7.8	7.8	7.7	7.7	—	—	—	—	—	—
31	—	—	—	7.7	7.6	7.7	—	—	—	—	—	—
MONTH	—	—	—	8.8	7.5	8.0	—	—	—	—	—	—

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR MARCH 1994 TO SEPTEMBER 1994

	MARCH			APRIL			MAY		
1	—	—	—	14.0	13.4	13.7	19.9	19.6	19.7
2	—	—	—	14.3	13.7	14.0	20.1	19.7	19.9
3	—	—	—	14.3	14.0	14.1	20.3	19.8	20.0
4	—	—	—	14.5	13.9	14.2	20.1	19.8	19.9
5	—	—	—	14.4	14.0	14.2	20.2	19.6	19.9
6	—	—	—	14.3	13.7	14.0	20.3	19.7	20.0
7	—	—	—	14.3	13.6	13.9	20.3	19.9	20.1
8	—	—	—	14.5	13.8	14.1	20.3	20.0	20.1
9	—	—	—	—	—	—	20.4	19.9	20.1
10	—	—	—	—	—	—	20.1	19.7	19.9
11	—	—	—	—	—	—	20.0	19.6	19.8
12	—	—	—	—	—	—	20.3	19.7	19.9
13	—	—	—	—	—	—	20.4	19.8	20.1
14	—	—	—	—	—	—	20.5	20.0	20.2
15	—	—	—	—	—	—	20.6	20.2	20.4
16	—	—	—	—	—	—	20.7	20.4	20.6
17	—	—	—	—	—	—	20.8	20.5	20.6
18	—	—	—	—	—	—	21.4	20.7	21.0
19	11.4	11.0	11.2	—	—	—	21.5	20.9	21.2
20	11.9	11.3	11.6	17.0	16.7	16.9	21.6	21.0	21.3
21	12.3	11.8	12.0	17.2	16.9	17.0	21.7	21.1	21.4
22	12.7	12.0	12.4	17.5	17.1	17.3	21.9	21.3	21.6
23	13.3	12.6	12.9	17.9	17.3	17.6	22.1	21.5	21.8
24	13.6	13.0	13.3	18.1	17.5	17.8	22.3	21.7	22.0
25	13.7	13.3	13.5	18.6	17.9	18.2	22.5	21.9	22.2
26	13.8	13.4	13.5	19.0	18.4	18.7	22.8	22.2	22.5
27	13.9	13.7	13.8	19.3	18.7	19.0	22.9	22.6	22.7
28	13.8	13.4	13.6	19.6	18.9	19.2	23.2	22.7	22.9
29	13.9	13.3	13.6	19.9	19.2	19.5	23.1	22.8	22.9
30	13.9	13.3	13.6	19.8	19.6	19.7	—	—	—
31	13.9	13.3	13.6	—	—	—	—	—	—
MONTH	—	—	—	—	—	—	23.2	19.6	20.9

MISSISSIPPI RIVER DELTA

91344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR MARCH 1994 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	—	—	—	29.6	29.1	29.4	29.3	28.7	29.0	—	—	—
2	—	—	—	30.1	29.1	29.6	29.0	28.3	28.6	—	—	—
3	—	—	—	30.1	29.3	29.8	28.7	28.2	28.4	—	—	—
4	—	—	—	30.1	29.6	29.8	29.3	28.2	28.7	—	—	—
5	—	—	—	29.9	29.3	29.6	29.4	28.4	28.9	—	—	—
6	—	—	—	30.4	29.4	29.9	29.5	28.5	29.0	—	—	—
7	—	—	—	30.2	29.5	29.9	29.7	28.8	29.2	—	—	—
8	—	—	—	29.9	29.1	29.4	29.5	28.6	29.1	—	—	—
9	28.5	26.8	27.3	29.4	29.1	29.3	29.1	28.4	28.8	—	—	—
10	28.6	27.3	27.7	29.3	28.9	29.1	29.5	28.6	29.0	—	—	—
11	27.4	26.9	27.2	29.0	28.1	28.6	29.6	28.6	29.1	—	—	—
12	27.1	26.8	26.9	29.0	28.1	28.6	29.4	28.8	29.1	—	—	—
13	27.7	26.5	26.9	28.7	28.4	28.5	29.5	28.7	29.1	—	—	—
14	28.4	26.8	27.4	29.1	28.3	28.7	30.2	29.0	29.5	—	—	—
15	27.8	27.3	27.6	29.1	28.5	28.7	30.2	29.2	29.7	—	—	—
16	28.1	27.3	27.7	29.3	28.1	28.7	30.1	29.2	29.6	—	—	—
17	28.1	27.4	27.7	29.4	28.8	29.0	30.1	29.3	29.7	—	—	—
18	28.1	27.2	27.7	29.6	28.5	29.0	30.6	29.4	29.8	—	—	—
19	28.4	27.5	28.0	—	—	—	30.6	29.3	29.9	—	—	—
20	28.8	27.9	28.4	—	—	—	30.7	29.2	29.7	—	—	—
21	28.6	28.2	28.4	29.7	28.9	29.4	29.8	29.0	29.4	—	—	—
22	28.8	28.1	28.4	29.6	29.0	29.2	30.4	28.8	29.5	—	—	—
23	28.5	28.1	28.4	29.2	28.7	28.9	—	—	—	—	—	—
24	28.3	27.5	27.9	29.7	28.4	29.1	—	—	—	—	—	—
25	28.7	27.5	28.1	30.0	29.2	29.6	—	—	—	—	—	—
26	29.0	28.4	28.6	29.9	29.3	29.7	—	—	—	—	—	—
27	29.1	28.5	28.8	29.8	29.1	29.5	—	—	—	—	—	—
28	29.5	28.8	29.0	30.0	29.1	29.6	—	—	—	—	—	—
29	29.3	28.8	29.0	30.2	29.2	29.8	—	—	—	—	—	—
30	30.5	28.8	29.3	30.0	29.2	29.8	—	—	—	—	—	—
31	—	—	—	29.9	29.2	29.5	—	—	—	—	—	—
MONTH	—	—	—	30.4	28.1	29.3	—	—	—	—	—	—

OXYGEN DISSOLVED (MG/L), WATER YEAR MARCH 1994 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MARCH			APRIL			MAY		
1	8.3	8.1	8.2	5.9	5.6	5.7	—	—	—
2	—	—	—	8.2	8.0	8.1	5.8	5.5	5.7
3	—	—	—	8.1	7.9	8.0	5.8	5.6	5.7
4	—	—	—	8.1	7.9	8.0	5.8	5.6	5.7
5	—	—	—	8.1	7.9	8.0	5.8	5.6	5.7
6	—	—	—	8.2	8.0	8.1	5.9	5.6	5.8
7	—	—	—	8.3	8.1	8.2	5.8	5.5	5.7
8	—	—	—	8.3	8.1	8.2	5.8	5.5	5.7
9	—	—	—	—	—	—	5.7	5.4	5.6
10	—	—	—	—	—	—	5.6	5.3	5.5
11	—	—	—	—	—	—	5.5	5.3	5.4
12	—	—	—	—	—	—	5.4	5.1	5.3
13	—	—	—	—	—	—	5.4	5.0	5.3
14	—	—	—	—	—	—	5.5	5.1	5.3
15	—	—	—	—	—	—	5.5	5.2	5.3
16	—	—	—	—	—	—	5.5	5.2	5.4
17	—	—	—	—	—	—	5.5	5.1	5.3
18	—	—	—	—	—	—	5.5	5.2	5.4
19	8.9	8.6	8.7	—	—	—	5.6	5.3	5.4
20	8.9	8.7	8.8	7.3	7.1	7.2	5.6	5.3	5.5
21	8.8	8.6	8.7	7.2	7.0	7.1	5.7	5.4	5.5
22	8.8	8.5	8.7	7.0	6.8	6.9	5.7	5.4	5.6
23	8.7	8.5	8.6	6.8	6.6	6.7	5.7	5.5	5.6
24	8.6	8.4	8.5	6.6	6.4	6.5	5.7	5.5	5.6
25	8.4	8.3	8.4	6.5	6.3	6.4	5.7	5.4	5.6
26	8.4	8.2	8.3	6.4	6.2	6.3	5.7	5.4	5.6
27	8.4	8.2	8.3	6.3	6.0	6.2	5.6	5.3	5.5
28	8.3	8.1	8.2	6.2	5.9	6.0	5.5	5.2	5.4
29	8.3	8.1	8.2	6.0	5.9	6.0	5.4	5.1	5.2
30	8.3	8.1	8.2	6.0	5.7	5.9	—	—	—
31	8.3	8.1	8.2	—	—	—	—	—	—
MONTH	—	—	—	—	—	—	5.9	5.0	5.5

MISSISSIPPI RIVER DELTA

91344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR MARCH 1994 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
		JUNE				JULY			AUGUST				SEPTEMBER		
1	--	--	--		--	--	--		--	--	--		--	--	--
2	--	--	--		--	--	--		--	--	--		--	--	--
3	--	--	--		--	--	--		--	--	--		--	--	--
4	--	--	--		--	--	--		--	--	--		--	--	--
5	--	--	--		--	--	--		--	--	--		--	--	--
6	--	--	--		--	--	--		--	--	--		--	--	--
7	--	--	--		--	--	--		--	--	--		--	--	--
8	--	--	--		--	--	--		--	--	--		--	--	--
9	--	--	--		--	--	--		7.5	3.1	7.2		--	--	--
10	--	--	--		--	--	--		8.0	6.9	7.5		--	--	--
11	--	--	--		--	--	--		8.0	7.2	7.6		--	--	--
12	--	--	--		--	--	--		7.9	7.2	7.6		--	--	--
13	--	--	--		--	--	--		7.8	7.3	7.6		--	--	--
14	--	--	--		--	--	--		8.0	7.3	7.6		--	--	--
15	--	--	--		--	--	--		7.9	7.2	7.5		--	--	--
16	--	--	--		--	--	--		7.9	7.1	7.4		--	--	--
17	--	--	--		--	--	--		8.4	7.1	7.8		--	--	--
18	--	--	--		--	--	--		9.3	7.6	8.3		--	--	--
19	--	--	--		--	--	--		10.1	8.0	8.4		--	--	--
20	--	--	--		--	--	--		--	--	--		--	--	--
21	--	--	--		--	--	--		--	--	--		--	--	--
22	--	--	--		--	--	--		--	--	--		--	--	--
23	--	--	--		--	--	--		--	--	--		--	--	--
24	--	--	--		--	--	--		--	--	--		--	--	--
25	--	--	--		--	--	--		--	--	--		--	--	--
26	--	--	--		--	--	--		--	--	--		--	--	--
27	--	--	--		--	--	--		--	--	--		--	--	--
28	--	--	--		--	--	--		--	--	--		--	--	--
29	--	--	--		--	--	--		--	--	--		--	--	--
30	--	--	--		--	--	--		--	--	--		--	--	--
31	--	--	--		--	--	--		--	--	--		--	--	--
MONTH	--	--	--		--	--	--		--	--	--		--	--	--

MISSISSIPPI RIVER DELTA

91360000 LAKE FAUSSE POINT CUT NEAR LITTLE GONSOLIN BAYOU NEAR CHARENTON, LA

LOCATION.—Lat 30°04' 44", long 91°36' 60", St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 14.2 mi northwest of Charenton, LA.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—September 1993 to current year.

GAGE.—Water-stage recorder with electromagnetic flowmeter. Gage datum is an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 16.58 ft, May 10, 1994; minimum, 4.02 ft, Sept. 25, 1994.

EXTREMES FOR CURRENT PERIOD.—Maximum gage height, 16.58 ft, May 10, 1994; minimum, 4.02 ft, Sept. 25, 1994.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.33	8.89	12.23	11.02	10.93	14.63	15.49	16.27	13.79	7.22	7.50	5.70
2	9.53	8.73	12.36	10.78	11.10	14.81	15.34	16.31	13.18	7.22	7.44	5.75
3	9.68	8.59	12.41	10.52	11.27	14.93	15.19	16.38	12.56	7.26	7.36	5.61
4	9.81	8.43	12.42	10.18	11.47	15.07	15.08	16.41	12.02	7.31	7.27	5.50
5	10.00	8.24	12.41	9.85	11.71	15.19	14.99	16.42	11.51	7.45	7.21	5.45
6	10.30	7.96	12.41	9.59	11.91	15.29	14.97	16.44	11.09	7.46	7.04	5.44
7	10.55	7.65	12.42	9.33	12.10	15.38	14.94	16.47	10.68	7.55	6.90	5.33
8	10.74	7.44	12.39	9.03	12.30	15.45	14.88	16.50	10.16	7.71	6.78	5.17
9	10.94	7.32	12.42	8.80	12.57	15.59	14.85	16.53	9.75	7.84	6.77	5.10
10	11.09	7.14	12.56	8.60	12.93	15.68	14.84	16.56	9.57	7.96	6.73	5.15
11	11.19	7.05	12.67	8.52	13.30	15.72	14.80	16.57	9.41	8.12	6.60	5.16
12	11.31	7.05	12.73	8.54	13.57	15.75	14.86	16.57	9.22	8.20	6.47	5.09
13	11.42	7.12	12.85	8.51	13.79	15.78	14.87	16.56	9.02	8.19	6.40	5.08
14	11.50	7.15	13.00	8.43	13.97	15.80	14.86	16.54	8.86	8.12	6.27	5.11
15	11.49	7.44	13.09	8.42	14.12	15.83	14.92	16.49	8.77	8.04	6.16	5.09
16	11.42	7.61	13.20	8.45	14.25	15.84	15.14	16.45	8.73	7.86	6.09	5.27
17	11.33	7.88	13.30	8.66	14.33	15.84	15.22	16.40	8.65	7.71	6.08	5.08
18	11.22	7.96	13.39	8.93	14.38	15.88	15.26	16.28	8.54	7.66	5.97	4.74
19	11.00	8.16	13.46	9.20	14.41	15.94	15.32	16.13	8.40	7.73	5.69	4.60
20	10.68	8.33	13.49	9.46	14.40	15.99	15.41	16.00	8.25	7.81	5.59	4.49
21	10.36	8.43	13.51	9.74	14.39	16.00	15.51	15.90	8.14	7.83	5.58	4.52
22	9.98	8.89	13.53	10.00	14.38	15.98	15.56	15.79	8.09	7.83	5.48	4.58
23	9.69	9.48	13.53	10.20	14.41	15.93	15.65	15.67	8.02	7.84	5.31	4.34
24	9.62	10.09	13.46	10.28	14.42	15.86	15.73	15.54	8.06	7.75	5.10	4.43
25	9.62	10.56	13.33	10.19	14.41	15.79	15.76	15.42	8.09	7.58	5.16	4.33
26	9.52	10.87	13.14	10.04	14.40	15.76	15.81	15.27	7.91	7.56	5.12	4.24
27	9.19	11.23	12.88	10.09	14.42	15.77	15.90	15.09	7.81	7.67	5.15	4.36
28	8.98	11.52	12.51	10.39	14.48	15.75	15.98	14.90	7.68	7.65	5.33	4.28
29	9.10	11.75	12.05	10.70	---	15.68	16.05	14.68	7.49	7.59	5.44	4.34
30	9.32	11.99	11.60	10.78	---	15.61	16.17	14.47	7.29	7.55	5.55	4.40
31	9.10	---	11.28	10.86	---	15.58	---	14.22	---	7.54	5.63	---
MEAN	10.29	8.70	12.78	9.62	13.36	15.62	15.31	15.98	9.36	7.70	6.17	4.92
MAX	11.50	11.99	13.53	11.02	14.48	16.00	16.17	16.57	13.79	8.20	7.50	5.75
MIN	8.98	7.05	11.28	8.42	10.93	14.63	14.80	14.22	7.29	7.22	5.10	4.24

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.—Estimated daily discharges. Records fair, except for estimated discharge, which are poor. Small diversion above station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 11,900 ft³/s, May 20, 1953, gage height, 22.36 ft; no flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.36	79	e5.0	48	540	471	32	98	544	28	55	49
2	.70	34	4.1	56	131	2200	41	78	300	28	63	246
3	.61	e27	5.0	44	75	1600	48	1050	311	26	76	190
4	.48	e19	360	31	93	396	26	1440	202	19	76	43
5	.41	e23	531	25	991	106	24	468	772	16	54	17
6	.34	e28	112	21	865	74	521	139	582	22	35	14
7	.39	e25	48	72	277	64	844	90	608	31	28	22
8	.47	e17	31	314	154	58	324	68	204	180	23	15
9	.50	e12	26	89	111	732	127	62	120	289	227	16
10	.73	e15	553	37	648	1720	146	134	167	292	149	54
11	.95	e23	1200	61	2490	649	128	120	116	933	67	163
12	8.2	e20	413	210	2170	119	766	87	181	1820	e65	245
13	13	e15	466	131	719	71	1490	87	181	2510	e60	43
14	7.4	e27	1450	69	161	56	669	156	90	2150	e55	13
15	3.2	e400	642	38	88	52	217	124	56	1430	e50	8.6
16	2.3	e870	145	26	77	44	566	149	37	719	e45	9.8
17	1.6	e1400	88	836	61	32	408	454	31	367	e40	16
18	1.1	e2100	63	2070	53	44	203	981	32	185	38	15
19	.80	e1600	43	1010	47	36	160	555	76	204	45	9.8
20	1.8	e1000	42	190	40	28	193	152	56	177	46	5.8
21	38	e360	44	80	37	25	894	91	34	153	30	4.3
22	17	e240	80	51	55	26	729	71	22	221	43	3.7
23	5.8	e135	324	37	1630	20	283	67	38	321	36	3.6
24	3.1	e70	127	26	2270	32	239	38	120	261	68	2.8
25	2.1	e32	55	26	912	41	280	32	455	154	31	2.4
26	1.7	e20	32	29	193	70	136	19	180	178	20	2.2
27	1.2	e15	24	2400	80	87	70	20	95	204	16	2.1
28	1.0	e10	49	4550	60	51	52	22	55	179	17	2.1
29	33	e8.0	723	4710	---	40	57	19	34	107	18	2.0
30	735	e6.0	298	4070	---	44	60	33	36	80	16	1.7
31	345	---	84	1820	---	34	---	283	---	60	13	---
TOTAL	1228.24	8630.0	8067.1	23177	15028	9022	9733	7187	5735	13344	1605	1221.9
MEAN	39.6	288	260	748	537	291	324	232	191	430	51.8	40.7
MAX	735	2100	1450	4710	2490	2200	1490	1440	772	2510	227	246
MIN	.34	6.0	4.1	21	37	20	24	19	22	16	13	1.7
AC-FT	2440	17120	16000	45970	29810	17900	19310	14260	11380	26470	3180	2420
CFSM	.30	2.20	1.99	5.71	4.10	2.22	2.48	1.77	1.46	3.29	.40	.31
IN.	.35	2.45	2.29	6.58	4.27	2.56	2.76	2.04	1.63	3.79	.46	.35

e Estimated

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

MEAN	125	198	389	439	450	303	318	328	211	230	172	176
MAX	1119	856	1748	1506	1615	1167	1238	2362	894	1519	1456	961
(WY)	1986	1986	1972	1974	1959	1980	1967	1953	1942	1946	1940	1973
MIN	1.11	7.72	29.1	9.01	7.01	3.86	5.02	.42	.43	.81	13.6	1.14
(WY)	1939	1951	1959	1981	1947	1955	1963	1943	1948	1944	1941	1993

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1939 - 1994	
ANNUAL TOTAL	127266.66		103978.24			
ANNUAL MEAN	349		285		277	
HIGHEST ANNUAL MEAN					523	
LOWEST ANNUAL MEAN					87.0	
HIGHEST DAILY MEAN	5030	May 3	4710	Jan 29	11700	May 20 1953
LOWEST DAILY MEAN	.26	Sep 25	.34	Oct 6	.00	May 6 1939
ANNUAL SEVEN-DAY MINIMUM	.33	Sep 20	.46	Oct 3	.00	May 9 1939
INSTANTANEOUS PEAK FLOW			4750	Jan 29	11900	May 20 1953
INSTANTANEOUS PEAK STAGE			8.52	Jan 29	22.36	May 20 1953
INSTANTANEOUS LOW FLOW			.28	Oct 1, 7	.00	Oct 1 1939
INSTANTANEOUS LOW STAGE			1.15	Oct 7		
ANNUAL RUNOFF (AC-FT)	252400		206200		200900	
ANNUAL RUNOFF (CFSM)	2.66		2.17		2.12	
ANNUAL RUNOFF (INCHES)	36.14		29.53		28.77	
10 PERCENT EXCEEDS	963		798		766	
50 PERCENT EXCEEDS	57		61		45	
90 PERCENT EXCEEDS	1.5		5.8		4.0	

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.22	3.60	---	3.03	9.49	7.28	2.43	4.04	9.63	2.31	3.14	2.96
2	1.29	2.53	1.44	3.21	4.73	16.05	2.66	3.59	7.24	2.31	3.33	6.37
3	1.27	---	1.51	2.91	3.68	14.68	2.83	11.45	7.34	2.24	3.64	5.63
4	1.23	---	7.06	2.58	3.86	7.99	2.24	14.36	5.89	2.02	3.65	2.89
5	1.20	---	9.45	2.39	12.69	4.22	2.18	8.80	11.49	1.92	3.12	2.15
6	1.17	---	4.30	2.26	12.07	3.51	8.94	4.85	9.99	2.13	2.63	2.03
7	1.18	---	2.87	3.28	6.81	3.26	12.09	3.87	10.21	2.38	2.42	2.32
8	1.21	---	2.44	7.30	5.14	3.09	7.36	3.35	5.86	5.37	2.27	2.08
9	1.22	---	2.32	3.93	4.32	9.53	4.62	3.20	4.50	7.09	6.21	2.09
10	1.27	---	8.54	2.73	9.43	15.15	4.99	4.76	5.35	6.99	5.03	3.19
11	1.30	---	13.64	3.20	16.44	10.24	4.65	4.50	4.43	12.22	3.44	4.60
12	1.71	---	8.18	6.02	15.90	4.47	10.61	3.82	5.55	15.39	---	6.37
13	2.01	---	8.11	4.74	10.84	3.44	14.56	3.80	5.53	16.50	---	3.06
14	1.78	---	14.45	3.53	5.20	3.03	10.63	5.09	3.88	16.01	---	2.20
15	1.54	---	10.32	2.76	3.84	2.94	6.11	4.55	3.03	14.36	---	2.02
16	1.46	---	4.98	2.43	3.58	2.76	9.85	5.01	2.55	11.14	---	2.08
17	1.40	---	3.96	9.73	3.16	2.42	8.35	8.77	2.39	7.93	---	2.33
18	1.33	---	3.38	15.90	2.96	2.74	5.91	12.95	2.43	5.65	2.60	2.31
19	1.28	---	2.90	12.43	2.83	2.54	5.25	9.70	3.55	5.96	2.89	2.07
20	1.40	---	2.88	5.61	2.64	2.31	5.74	5.05	3.03	5.51	2.92	1.84
21	2.63	---	2.91	3.78	2.56	2.23	12.30	3.91	2.49	5.11	2.48	1.73
22	2.13	---	3.54	3.11	2.95	2.24	11.18	3.42	2.11	6.10	2.83	1.67
23	1.71	---	7.50	2.73	14.51	2.05	6.96	3.33	2.51	7.49	2.66	1.66
24	1.52	---	4.66	2.41	16.15	2.42	6.29	2.58	4.47	6.72	3.43	1.60
25	1.45	---	3.20	2.43	11.97	2.66	6.93	2.41	8.85	5.13	2.51	1.58
26	1.40	---	2.61	2.51	5.67	3.39	4.80	2.03	5.52	5.55	2.17	1.56
27	1.34	---	2.35	15.53	3.65	3.79	3.39	2.05	3.97	5.95	2.06	1.55
28	1.32	---	2.86	18.37	3.13	2.93	2.94	2.13	3.01	5.55	2.09	1.55
29	2.22	---	11.18	18.49	---	2.62	3.08	2.01	2.48	4.28	2.11	1.53
30	11.26	---	6.97	17.97	---	2.72	3.13	2.43	2.54	3.73	2.03	1.51
31	7.45	---	3.85	15.13	---	2.48	---	6.29	---	3.25	1.95	---
MAX	11.26	---	---	18.49	16.44	16.05	14.56	14.36	11.49	16.50	---	6.37
MIN	1.17	---	---	2.26	2.56	2.05	2.18	2.01	2.11	1.92	---	1.51

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 Sept. 30, 1984. Mar. 27, 1945 to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.—Records fair. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 35,800 ft³/s, May 20, 1953, gage height, 34.39 ft; minimum discharge, 0.1 ft³/s, June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft, June 28, 1948.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	454	27	341	5150	1520	161	200	1180	180	187	29
2	41	252	22	285	4820	2230	209	194	1490	157	136	327
3	39	156	18	288	4460	3030	224	772	1590	148	118	748
4	34	112	120	245	4040	3010	214	1730	1610	130	107	626
5	28	133	764	211	3750	2570	175	1980	1560	112	91	447
6	22	168	733	185	3660	2080	268	1760	1450	109	74	270
7	17	145	437	163	3450	1540	712	1290	1320	136	57	347
8	16	99	242	285	3040	903	874	722	1080	190	66	335
9	15	68	148	325	2500	818	817	399	788	553	160	228
10	14	89	399	237	2160	1620	621	319	726	824	361	147
11	15	137	1390	190	2510	1990	446	706	1060	1250	444	151
12	38	120	1820	232	3060	1960	692	916	1060	1880	344	373
13	215	91	1870	292	3080	1700	1420	887	854	2520	204	360
14	269	73	1830	272	2720	1370	1640	678	646	3300	116	218
15	199	1070	1780	222	2280	874	1560	405	461	3830	71	112
16	132	2480	1370	173	1960	491	1400	289	318	4110	55	102
17	94	3420	863	742	1640	320	1350	758	240	4150	46	124
18	60	3530	510	2070	1220	239	1200	1500	255	3980	38	124
19	41	3220	314	2740	690	207	868	1700	472	3690	45	124
20	33	2720	225	2740	375	238	569	1600	547	3390	69	124
21	46	2120	185	2440	366	216	568	1390	377	2960	113	114
22	105	1430	170	2030	385	198	836	1040	308	2380	113	81
23	150	788	326	1620	1300	198	750	619	460	1870	102	67
24	124	402	493	1110	2280	185	731	342	470	1450	115	55
25	92	194	401	565	2700	171	818	230	430	1040	81	45
26	74	101	316	300	2530	212	806	191	450	697	88	37
27	58	66	253	1340	2110	236	586	168	473	527	134	30
28	50	51	219	3470	1680	225	400	147	377	420	104	23
29	60	40	709	5110	—	229	271	161	271	340	66	20
30	428	33	917	5580	—	204	190	200	212	263	44	15
31	693	—	581	5430	—	173	—	596	—	221	34	—
TOTAL	3242	23762	19452	41233	69916	30957	21376	23889	22535	46807	3783	5803
MEAN	105	792	627	1330	2497	999	713	771	751	1510	122	193
MAX	693	3530	1870	5580	5150	3030	1640	1980	1610	4150	444	748
MIN	14	33	18	163	366	171	161	147	212	109	34	15
AC-FT	6430	47130	38580	81790	138700	61400	42400	47380	44700	92840	7500	11510
CFSM	.20	1.50	1.19	2.52	4.74	1.89	1.35	1.46	1.43	2.87	.23	.37
IN.	.23	1.68	1.37	2.91	4.94	2.19	1.51	1.69	1.59	3.30	.27	.41

MERMENTAU RIVER BASIN
08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

MEAN	308	533	1143	1425	1519	1126	1046	1093	553	550	429	414
MAX	2819	4751	4259	3950	6528	3301	3479	9202	2459	4695	5169	3109
(WY)	1986	1986	1972	1974	1955	1980	1973	1953	1940	1989	1940	1979
MIN	3.81	10.3	46.4	30.8	89.3	124	12.9	7.05	.38	10.8	23.0	11.4
(WY)	1949	1951	1959	1981	1968	1962	1946	1951	1948	1944	1947	1980

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1939 - 1994	
ANNUAL TOTAL	340431.0		312755			
ANNUAL MEAN	933		857		842	
HIGHEST ANNUAL MEAN					1639	
LOWEST ANNUAL MEAN					283	
HIGHEST DAILY MEAN	6620	Apr 10	5580	Jan 30	35100	May 20 1953
LOWEST DAILY MEAN	8.0	Jun 19	14	Oct 10	.10	Jun 7 1943
ANNUAL SEVEN-DAY MINIMUM	11	Jun 13	18	Oct 5	.10	Jun 22 1948
INSTANTANEOUS PEAK FLOW			5610	Jan 30	35800	May 20 1953
INSTANTANEOUS PEAK STAGE			22.28	Jan 30	34.39	May 20 1953
INSTANTANEOUS LOW FLOW			14	Oct 10,11,Sept 30	.10	Jun 7 1943
INSTANTANEOUS LOW STAGE			1.48	Oct 10,11		
ANNUAL RUNOFF (AC-FT)	675200		620300		610100	
ANNUAL RUNOFF (CFSM)	1.77		1.63		1.60	
ANNUAL RUNOFF (INCHES)	24.03		22.08		21.71	
10 PERCENT EXCEEDS	3400		2500		2580	
50 PERCENT EXCEEDS	194		344		163	
90 PERCENT EXCEEDS	22		56		11	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.36	8.54	2.56	7.34	21.90	15.63	4.05	4.65	13.14	4.35	5.56	2.60
2	2.37	6.24	2.38	6.68	21.57	17.85	4.79	4.57	14.77	3.99	4.80	6.86
3	2.31	4.84	2.24	6.72	21.17	19.34	5.00	9.94	15.31	3.85	4.50	11.21
4	2.16	4.13	3.97	6.16	20.70	19.32	4.85	15.87	15.42	3.56	4.30	10.18
5	1.97	4.48	11.30	5.68	20.34	18.59	4.28	16.95	15.14	3.26	4.02	8.48
6	1.76	5.03	11.07	5.30	20.23	17.33	5.52	16.07	14.54	3.19	3.71	6.48
7	1.60	4.68	8.38	4.96	19.95	15.01	10.00	13.74	13.85	3.67	3.35	7.42
8	1.54	3.90	6.25	6.64	19.36	11.43	11.31	10.08	12.65	4.49	3.52	7.28
9	1.52	3.32	4.98	7.16	18.47	10.76	10.88	7.11	10.64	8.57	5.14	5.92
10	1.49	3.71	7.66	6.04	17.76	15.39	9.25	6.23	10.14	10.92	7.61	4.70
11	1.53	4.55	15.03	5.38	18.49	16.99	7.61	9.93	12.51	13.48	8.48	4.71
12	2.18	4.26	16.77	5.98	19.40	16.89	9.69	11.61	12.55	16.54	7.43	7.71
13	5.47	3.75	16.92	6.77	19.43	15.78	14.42	11.40	11.15	18.49	5.78	7.56
14	6.31	3.40	16.79	6.52	18.86	14.11	15.58	9.74	9.48	19.73	4.45	5.76
15	5.25	12.66	16.64	5.84	18.04	11.24	15.14	7.17	7.76	20.44	3.64	4.12
16	4.15	18.34	14.99	5.11	17.18	8.04	14.28	5.86	6.21	20.77	3.31	3.95
17	3.48	19.91	12.04	10.35	16.16	6.22	14.01	10.15	5.23	20.83	3.10	4.34
18	2.84	20.06	9.10	17.40	14.23	5.20	13.24	14.82	5.39	20.63	2.88	4.33
19	2.36	19.63	7.02	18.80	10.69	4.75	11.24	15.82	7.88	20.26	3.07	4.33
20	2.13	18.86	5.89	18.80	7.72	5.19	8.79	15.34	8.60	19.87	3.60	4.33
21	2.48	17.62	5.30	18.36	7.63	4.89	8.74	14.20	6.87	19.25	4.42	4.16
22	3.67	15.23	5.07	17.39	7.83	4.63	11.03	12.38	6.09	18.23	4.41	3.56
23	4.44	11.46	7.12	16.08	14.50	4.63	10.35	9.22	7.75	16.92	4.22	3.30
24	4.01	8.02	8.96	13.56	17.98	4.43	10.20	6.47	7.86	15.38	4.44	3.05
25	3.45	5.62	8.02	9.59	18.82	4.21	10.88	5.09	7.45	13.24	3.84	2.79
26	3.12	4.21	7.06	6.85	18.53	4.83	10.78	4.52	7.66	10.78	3.95	2.57
27	2.79	3.57	6.26	14.15	17.60	5.17	8.95	4.17	7.90	9.28	4.78	2.36
28	2.61	3.23	5.79	19.90	16.29	5.01	7.13	3.84	6.88	8.22	4.26	2.14
29	2.78	2.96	10.76	21.84	---	5.07	5.61	4.05	5.63	7.40	3.54	2.00
30	8.02	2.74	12.47	22.26	---	4.71	4.50	4.64	4.83	6.53	3.04	1.84
31	10.75	---	9.75	22.14	---	4.23	---	8.94	---	6.02	2.77	---
MAX	10.75	20.06	16.92	22.26	21.90	19.34	15.58	16.95	15.42	20.83	8.48	11.21
MIN	1.49	2.74	2.24	4.96	7.63	4.21	4.05	3.84	4.83	3.19	2.77	1.84

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA

(National stream-quality accounting network station)

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1984 to current year. Gage-height records only, August 1941 to September 1984 in files of Corps of Engineers, New Orleans District.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Datum of gage is 0.54 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 data May 29-June 1, no velocity data Dec. 1-14, Dec. 17-Mar. 4, May 29-June 1, June 11-July 6. Discharge is affected by tide and wind at medium and low stages. Reverse flow at times during the year.

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 daily discharge, 10,500 ft³/s, Nov. 16, 19; maximum negative daily discharge, -293 ft³/s, July 7; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1780	3150	---	---	---	---	4140	6430	---	---	908	373
2	1670	3300	---	---	---	---	4190	6110	4080	---	1090	1650
3	2010	3440	---	---	---	---	4280	5830	4490	---	-114	3260
4	1540	3590	---	---	---	---	4300	4600	4700	---	606	3610
5	1640	3760	---	---	---	3660	4700	4250	4920	---	546	1980
6	1940	4310	---	---	---	3760	4110	4140	5200	---	281	1850
7	1370	4410	---	---	---	4340	2870	3970	5980	-293	259	2960
8	1220	4660	---	---	---	4420	2000	3990	6590	586	886	1830
9	1590	4960	---	---	---	4450	2350	4090	6940	1340	1700	1620
10	1720	5500	---	---	---	3490	3400	4360	6890	1780	1780	1890
11	1700	5490	---	---	---	3340	4230	4720	---	3340	1070	1610
12	2550	5560	---	---	---	3580	4790	5110	---	4330	1290	2410
13	3160	5200	---	---	---	3440	4970	5180	---	6020	950	1990
14	3020	5390	---	---	---	3460	5100	5280	---	7720	962	2030
15	2580	8770	6210	---	---	3380	4980	5420	---	7940	623	1530
16	2410	10500	4900	---	---	3410	4720	5470	---	8850	723	1060
17	2190	10300	---	---	---	3610	4000	5290	---	8090	-1.0	1560
18	2090	10400	---	---	---	4390	3910	5240	---	7140	73	1890
19	2250	10500	---	---	---	4660	3980	5070	---	6850	86	1580
20	2740	9390	---	---	---	4850	4130	4650	---	6430	-122	1090
21	3470	7600	---	---	---	5140	4450	4430	---	5760	310	562
22	3700	6500	---	---	---	4780	4470	4200	---	5370	554	306
23	3890	5670	---	---	---	4830	4400	4190	---	5290	308	400
24	3750	4820	---	---	---	5030	4420	4410	---	5360	1090	203
25	3170	4030	---	---	---	5150	4690	4560	---	4330	1840	469
26	2370	3210	---	---	---	4930	4920	4550	---	3310	846	141
27	2470	2650	---	---	---	5130	5250	4710	---	3390	1020	115
28	2580	2150	---	---	---	4230	5900	5070	---	2030	539	341
29	2730	1820	---	---	---	4240	6470	---	---	1390	285	287
30	2890	1520	---	---	---	4690	7050	---	---	1180	-126	313
31	2990	---	---	---	---	4230	---	---	---	881	-93	---
TOTAL	75180	162550	---	---	---	---	133170	---	---	---	20169.0	40910
MEAN	2425	5418	---	---	---	---	4439	---	---	---	651	1364

MERMENTAU RIVER BASIN
 08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued
 GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.23	1.85	2.03	1.53	3.56	1.98	1.35	2.15	--	1.65	1.68	1.78
2	1.22	1.90	2.03	1.52	3.25	2.08	1.40	2.12	2.27	1.62	1.63	1.83
3	1.08	1.91	2.07	1.43	2.93	1.98	1.31	2.46	2.26	1.62	1.81	1.89
4	1.08	1.95	2.06	1.27	2.69	1.98	1.31	2.57	2.26	1.61	1.87	1.91
5	1.07	1.95	1.90	1.40	2.60	1.96	1.50	2.44	2.25	1.63	1.80	1.92
6	1.08	1.57	1.82	1.57	2.45	1.93	1.58	2.38	2.29	1.62	1.77	1.92
7	1.11	1.61	1.78	1.31	2.35	1.92	1.74	2.39	2.33	1.63	1.77	2.01
8	1.16	1.69	1.79	1.19	2.47	1.92	1.87	2.31	2.33	1.61	1.73	1.97
9	1.07	1.88	1.83	1.32	2.47	2.09	1.91	2.20	2.28	1.68	1.77	1.95
10	.91	1.93	1.94	1.34	2.32	2.02	2.07	2.02	2.18	1.83	1.79	2.03
11	.99	1.99	2.00	1.38	2.69	2.04	2.16	1.98	2.20	1.98	1.81	2.12
12	1.08	2.07	1.99	1.29	2.77	1.99	2.21	1.93	2.39	2.23	1.81	2.17
13	1.23	2.10	2.23	1.34	2.58	1.98	2.28	1.93	2.63	2.45	1.84	2.19
14	1.17	2.24	2.29	1.42	2.37	1.92	2.31	1.99	2.62	2.76	1.83	2.20
15	1.20	2.86	2.13	1.33	2.32	1.90	2.28	1.88	2.50	3.03	1.78	2.13
16	1.23	3.76	2.07	1.50	2.19	1.75	2.30	1.86	2.38	3.11	1.75	2.20
17	1.28	4.14	2.04	1.78	2.07	1.73	2.34	1.91	2.23	3.01	1.78	2.23
18	1.30	4.22	1.96	1.69	2.04	1.81	2.31	1.93	2.10	2.86	1.77	2.17
19	1.35	4.22	1.87	1.72	2.09	1.73	2.28	1.84	2.01	2.73	1.78	2.08
20	1.34	3.88	1.88	1.79	2.03	1.77	2.20	1.81	1.99	2.65	1.78	1.98
21	1.17	3.48	1.64	1.76	1.92	1.68	2.17	1.84	1.95	2.59	1.74	1.96
22	1.05	3.22	1.61	1.76	2.03	1.58	2.19	1.83	1.94	2.56	1.76	1.94
23	1.19	3.03	1.54	1.79	1.88	1.73	2.20	1.78	1.98	2.49	1.77	1.76
24	1.27	2.85	1.55	1.80	1.75	1.67	2.31	1.73	2.12	2.45	1.81	1.84
25	1.31	2.63	1.49	1.82	1.86	1.46	2.42	1.70	2.14	2.33	1.84	1.69
26	1.29	2.31	1.46	1.82	1.78	1.73	2.49	1.69	2.20	2.24	1.82	1.72
27	1.21	2.11	1.48	2.52	1.72	1.72	2.51	1.61	2.18	2.08	1.80	1.74
28	1.33	2.19	1.49	2.89	1.81	1.33	2.56	1.58	2.05	1.85	1.77	1.67
29	1.51	2.11	1.26	3.14	--	1.35	2.43	--	1.90	1.77	1.79	1.63
30	1.67	2.06	1.31	3.48	--	1.38	2.41	--	1.72	1.72	1.80	1.62
31	1.71	--	1.47	3.68	--	1.19	--	--	--	1.69	1.82	--
MAX	1.71	4.22	2.29	3.68	3.56	2.09	2.56	2.57	2.63	3.11	1.87	2.23
MIN	.91	1.57	1.26	1.19	1.72	1.19	1.31	1.58	1.72	1.61	1.63	1.62

MERMENTAU RIVER BASIN

08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA

LOCATION.—Lat 30°06'52", long 92°19'25", Sec. 1, T. 11 S., R. 1 E., Acadia-Vermilion Parish Line, Hydrologic Unit 08080202 at bridge (Simon Bridge) on State Highway 92, 4.4 mi southwest of Indian Bayou and 8.2 mi southeast of Crowley.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1991 to current year. Unpublished records, May 1991 to September 1991, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.—Water-stage recorder and electromagnetic flowmeter. Gage datum, sea level of gage not determined.

REMARKS.—No estimated daily discharge. Discharge affected by wind and variable backwater from Mermentau River causing reverse flow at times during the year. Records poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum recorded daily discharge, 4,070 ft³/s Jan. 22, 1993; minimum recorded daily discharge, 21 ft³/s Oct. 10, 1993.

EXTREMES FOR CURRENT PERIOD.—Water year 1992: maximum daily recorded discharge, 2,050 ft³/s, Jan. 19, but may have been higher during period of missing record; minimum recorded daily discharge, 27 ft³/s, May 27, but may have been lower during period of missing record.

Water year 1993: maximum recorded daily discharge 4,070 ft³/s, Jan. 22, but may have been higher during period of missing record; minimum recorded daily recorded discharge, 23 ft³/s, Sept 16, but may have been lower during period of missing record.

Water year 1994: maximum recorded daily discharge 3,530 ft³/s, Nov. 17, but may have been greater during period missing record; minimum recorded discharge, 21 ft³/s, Oct. 10, but may have been lower during period of missing record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	32	155	---	---	---	54	97	47	46
2	---	---	---	32	122	---	---	---	157	81	66	42
3	---	---	---	31	98	---	---	---	354	60	61	40
4	---	---	---	30	---	---	---	---	262	58	54	41
5	---	---	---	30	---	---	---	---	190	57	50	38
6	---	---	---	29	---	---	---	---	143	57	46	37
7	---	---	---	29	---	---	---	---	133	54	43	37
8	---	---	---	220	---	---	---	---	119	48	40	37
9	---	---	---	941	---	---	---	---	103	45	38	37
10	---	---	---	313	---	---	---	---	106	42	39	38
11	---	---	---	163	---	---	---	---	83	39	54	40
12	---	---	---	171	---	---	---	---	116	38	118	37
13	---	---	---	210	---	---	---	---	95	36	101	42
14	---	---	---	135	---	---	---	---	102	39	72	39
15	---	---	---	101	---	---	---	---	83	55	55	40
16	---	---	---	79	---	---	---	31	60	114	43	37
17	---	---	---	65	---	---	---	33	49	124	35	37
18	---	---	---	569	---	---	---	31	44	146	34	38
19	---	---	---	2050	---	---	---	32	40	138	34	42
20	---	---	54	1570	---	---	---	31	37	121	33	45
21	---	---	55	419	---	---	---	30	35	111	32	42
22	---	---	53	557	---	---	---	30	31	143	32	57
23	---	---	52	1730	---	---	---	29	31	110	34	103
24	---	---	47	781	---	---	---	28	31	88	34	81
25	---	---	43	295	---	---	---	28	32	74	33	62
26	---	---	40	195	---	---	---	28	39	70	43	51
27	---	---	38	409	---	---	---	27	49	72	216	43
28	---	---	37	1340	---	---	---	30	44	62	198	37
29	---	---	35	561	---	---	---	52	40	56	118	33
30	---	---	34	299	---	---	---	51	43	49	80	32
31	---	---	33	208	---	---	---	45	---	45	60	---
MAX	---	---	---	2050	---	---	---	---	354	146	216	103
MIN	---	---	---	29	---	---	---	---	31	36	32	32
MED	---	---	---	210	---	---	---	---	57	60	46	40

MERMENTAU RIVER BASIN

08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	54	46	37	102	---	---	115	35	232	34	30
2	33	146	42	34	81	---	---	127	37	167	33	30
3	33	104	39	36	68	---	---	82	39	127	34	30
4	34	107	40	40	60	---	---	64	39	100	34	29
5	35	158	41	50	56	---	---	45	37	81	34	28
6	35	130	39	42	54	---	---	40	37	68	36	28
7	36	96	39	522	49	---	---	---	38	59	37	27
8	36	74	38	2160	46	---	---	---	38	53	52	27
9	35	59	79	2340	44	---	---	---	37	48	64	27
10	36	50	262	1390	45	---	---	---	34	79	51	26
11	39	57	144	766	63	---	---	---	33	122	42	26
12	35	104	97	1120	60	---	---	---	33	91	36	27
13	35	154	74	602	51	---	597	---	33	91	34	29
14	35	107	60	274	45	---	362	---	32	103	33	31
15	35	81	60	195	43	---	483	---	30	94	33	25
16	36	64	86	156	66	---	320	---	31	84	32	23
17	38	52	126	123	68	---	217	---	31	83	31	24
18	35	45	103	99	52	---	162	---	33	79	30	25
19	34	44	79	83	43	---	129	---	79	70	30	25
20	35	373	67	1740	42	---	111	---	292	66	29	25
21	36	1230	58	3620	46	---	100	---	846	60	28	25
22	35	612	52	4070	42	---	87	---	1690	55	32	25
23	35	257	50	3960	38	---	78	---	1500	52	32	26
24	35	209	68	3440	38	---	73	---	1240	46	31	25
25	34	176	68	2540	108	---	71	---	910	39	30	26
26	35	128	53	1520	729	---	64	38	894	36	29	26
27	35	98	48	797	260	---	58	39	771	36	31	24
28	33	76	45	402	---	---	55	40	692	35	32	24
29	33	61	43	244	---	---	55	41	450	34	32	25
30	34	52	43	175	---	---	56	41	315	35	32	24
31	35	---	41	131	---	---	---	40	---	37	31	---
MAX	39	1230	262	4070	---	---	---	---	1690	232	64	31
MIN	32	44	38	34	---	---	---	---	30	34	28	23
MED	35	101	53	402	---	---	---	---	38	68	32	26

MERMENTAU RIVER BASIN

08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	166	46	34	151	103	28	139	467	44	38	40
2	25	123	45	37	115	626	29	126	455	88	38	88
3	25	94	45	36	90	208	30	294	522	51	43	433
4	25	74	48	31	73	113	27	411	415	37	83	230
5	25	62	44	30	66	81	31	266	242	35	61	100
6	26	51	40	33	65	60	106	220	179	34	44	141
7	26	41	38	32	77	48	169	188	290	33	38	609
8	25	36	38	26	96	42	121	149	150	53	129	487
9	24	60	39	28	77	154	101	224	97	198	473	329
10	21	87	56	29	203	287	84	150	170	148	206	508
11	22	73	101	32	1360	126	66	87	1340	431	117	459
12	27	61	63	36	591	87	76	58	1670	624	78	320
13	49	53	110	---	207	66	102	47	1680	1100	54	176
14	47	59	281	---	142	53	98	54	1150	1340	54	116
15	35	2050	156	---	106	45	93	60	792	1060	50	81
16	28	3160	111	---	81	42	150	51	622	904	55	81
17	28	3530	85	---	65	38	169	92	503	707	43	88
18	27	3370	67	---	54	40	136	214	305	582	39	69
19	28	2680	54	---	48	38	120	116	164	586	38	56
20	29	1660	47	---	46	38	99	73	106	591	37	47
21	27	857	41	---	44	37	103	49	96	938	125	44
22	23	448	39	---	43	35	108	40	63	804	113	43
23	25	260	56	---	45	37	124	38	85	638	65	39
24	27	180	48	---	40	36	226	36	288	560	116	39
25	28	136	39	---	38	33	167	35	400	477	93	36
26	27	106	33	---	38	35	136	35	262	314	50	35
27	27	84	32	---	35	39	114	33	174	207	39	36
28	27	68	33	---	37	33	94	34	124	151	38	35
29	61	57	42	---	---	28	78	66	85	96	38	34
30	403	50	38	---	---	30	87	529	60	60	38	34
31	246	---	33	215	---	27	---	484	---	43	39	---
MAX	403	3530	281	---	1360	626	226	529	1680	1340	473	609
MIN	21	36	32	---	35	27	27	33	60	33	37	34
MED	27	90	45	---	69	42	101	87	275	314	50	81

MERMENTAU RIVER BASIN
 08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA--Continued
 GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	5.66	8.70	---	---	---	6.45	7.61	6.28	6.23
2	---	---	---	5.65	8.14	---	---	---	8.54	7.27	6.89	6.09
3	---	---	---	5.59	7.67	---	---	---	10.50	6.71	6.73	6.02
4	---	---	---	5.56	---	---	---	---	9.90	6.63	6.53	6.03
5	---	---	---	5.52	---	---	---	---	9.17	6.61	6.36	5.91
6	---	---	---	5.49	---	---	---	---	8.51	6.61	6.22	5.88
7	---	---	---	5.49	---	---	---	---	8.35	6.52	6.11	5.86
8	---	---	---	7.99	---	---	---	---	8.10	6.32	5.99	5.88
9	---	---	---	12.05	---	---	---	---	7.78	6.19	5.92	5.89
10	---	---	---	10.12	---	---	---	---	7.85	6.09	5.97	5.90
11	---	---	---	8.82	---	---	---	---	7.33	5.96	6.52	6.00
12	---	---	---	8.87	---	---	---	---	8.03	5.90	8.05	5.86
13	---	---	---	9.40	---	---	---	---	7.60	5.83	7.72	6.07
14	---	---	---	8.38	---	---	---	---	7.75	5.94	7.05	5.94
15	---	---	---	7.74	---	---	---	---	7.33	6.50	6.56	6.01
16	---	---	---	7.23	---	---	---	5.59	6.70	8.01	6.13	5.89
17	---	---	---	6.84	---	---	---	5.67	6.35	8.18	5.80	5.87
18	---	---	---	9.78	---	---	---	5.60	6.15	8.57	5.73	5.93
19	---	---	---	14.02	---	---	---	5.65	6.02	8.44	5.73	6.08
20	---	---	6.50	13.11	---	---	---	5.57	5.87	8.13	5.67	6.21
21	---	---	6.54	10.69	---	---	---	5.53	5.78	7.94	5.66	6.06
22	---	---	6.49	10.79	---	---	---	5.56	5.60	8.51	5.66	6.54
23	---	---	6.46	13.32	---	---	---	5.49	5.60	7.92	5.73	7.78
24	---	---	6.29	11.64	---	---	---	5.46	5.62	7.44	5.75	7.28
25	---	---	6.12	10.13	---	---	---	5.44	5.64	7.10	5.69	6.75
26	---	---	6.02	9.23	---	---	---	5.42	5.94	6.99	6.01	6.40
27	---	---	5.92	10.04	---	---	---	5.40	6.35	7.05	9.44	6.11
28	---	---	5.88	12.67	---	---	---	5.55	6.16	6.76	9.26	5.85
29	---	---	5.77	11.17	---	---	---	6.43	5.98	6.57	8.06	5.70
30	---	---	5.75	10.17	---	---	---	6.43	6.11	6.34	7.26	5.64
31	---	---	5.70	9.37	---	---	---	6.18	---	6.19	6.69	---
MEAN	---	---	---	9.11	---	---	---	---	7.10	6.99	6.55	6.12
MAX	---	---	---	14.02	---	---	---	---	10.50	8.57	9.44	7.78
MIN	---	---	---	5.49	---	---	---	---	5.60	5.83	5.66	5.64

MERMENTAU RIVER BASIN
 08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA—Continued
 GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.66	6.42	6.22	5.87	7.75	---	---	7.70	5.80	9.63	5.74	5.54
2	5.70	8.56	6.07	5.75	7.28	---	---	8.21	5.88	8.88	5.69	5.55
3	5.69	7.80	5.94	5.84	6.93	---	---	7.31	5.94	8.23	5.74	5.53
4	5.74	7.83	6.01	6.01	6.72	---	---	6.82	5.95	7.71	5.74	5.48
5	5.78	8.75	6.03	6.39	6.60	---	---	6.18	5.88	7.28	5.75	5.46
6	5.78	8.28	5.96	6.10	6.50	---	---	6.01	5.87	6.94	5.84	5.46
7	5.82	7.62	5.95	9.02	6.36	---	---	---	5.91	6.68	5.85	5.37
8	5.83	7.09	5.90	14.26	6.25	---	---	---	5.92	6.49	6.43	5.39
9	5.77	6.66	6.92	14.69	6.17	---	---	---	5.88	6.31	6.81	5.40
10	5.83	6.37	9.89	12.78	6.20	---	---	---	5.76	7.09	6.40	5.31
11	5.94	6.59	8.51	11.71	6.79	---	---	---	5.67	8.14	6.08	5.32
12	5.79	7.71	7.64	12.36	6.69	---	---	---	5.67	7.52	5.84	5.36
13	5.78	8.68	7.11	11.26	6.42	---	11.31	---	5.70	7.52	5.76	5.48
14	5.78	7.86	6.72	9.99	6.19	---	10.52	---	5.64	7.76	5.70	5.59
15	5.79	7.29	6.71	9.24	6.14	---	10.98	---	5.55	7.58	5.67	5.25
16	5.84	6.83	7.40	8.72	6.87	---	10.29	---	5.59	7.36	5.63	5.13
17	5.92	6.43	8.22	8.17	6.94	---	9.48	---	5.59	7.33	5.57	5.19
18	5.77	6.20	7.78	7.70	6.44	---	8.81	---	5.71	7.24	5.54	5.25
19	5.72	6.16	7.24	7.34	6.10	---	8.27	---	6.83	7.00	5.53	5.29
20	5.79	9.30	6.91	12.83	6.07	---	7.94	---	10.24	6.90	5.48	5.28
21	5.81	12.52	6.66	17.43	6.23	---	7.72	---	12.78	6.70	5.56	5.27
22	5.80	11.28	6.46	18.27	6.09	---	7.42	---	14.84	6.55	5.64	5.30
23	5.79	9.84	6.37	18.08	5.89	---	7.22	---	14.51	6.46	5.63	5.32
24	5.76	9.39	6.91	17.09	5.91	---	7.08	---	14.07	6.23	5.60	5.28
25	5.75	8.99	6.93	15.16	7.22	---	7.03	---	13.25	5.97	5.54	5.34
26	5.77	8.25	6.49	12.98	11.62	---	6.84	5.90	13.20	5.83	5.48	5.33
27	5.78	7.67	6.29	11.76	9.75	---	6.64	5.94	12.81	5.81	5.57	5.22
28	5.70	7.16	6.18	10.67	---	---	6.54	6.00	12.51	5.76	5.66	5.23
29	5.71	6.75	6.13	9.74	---	---	6.55	6.03	11.41	5.74	5.63	5.25
30	5.73	6.45	6.12	8.98	---	---	6.59	6.03	10.46	5.77	5.62	5.22
31	5.76	---	6.02	8.31	---	---	---	5.99	---	5.86	5.60	---
MEAN	5.78	7.89	6.76	10.79	---	---	---	---	8.36	6.98	5.75	5.35
MAX	5.94	12.52	9.89	18.27	---	---	---	---	14.84	9.63	6.81	5.59
MIN	5.66	6.16	5.90	5.75	---	---	---	---	5.55	5.74	5.48	5.13

MERMENTAU RIVER BASIN
 08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA—Continued
 GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.26	8.86	6.24	5.73	8.64	7.17	5.46	7.31	8.90	6.07	5.93	5.98
2	5.30	8.17	6.18	5.87	8.01	11.37	5.50	7.16	8.73	6.64	5.90	6.58
3	5.28	7.58	6.19	5.81	7.49	9.28	5.52	8.84	9.08	6.18	6.03	8.26
4	5.26	7.11	6.29	5.58	7.09	7.98	5.39	9.98	8.32	5.87	6.59	7.53
5	5.29	6.75	6.14	5.52	6.88	7.27	5.59	8.95	7.66	5.78	6.32	6.76
6	5.32	6.41	6.01	5.69	6.85	6.72	7.23	8.32	7.36	5.74	6.07	6.77
7	5.33	6.03	5.91	5.63	7.13	6.32	8.46	7.78	7.82	5.71	5.93	9.23
8	5.28	5.84	5.92	5.35	7.63	6.07	7.62	7.31	7.16	6.10	6.62	8.44
9	5.22	6.65	5.95	5.42	7.19	8.05	7.19	8.20	6.74	7.46	8.45	7.94
10	5.06	7.42	6.50	5.48	8.32	9.98	6.86	7.31	6.99	7.15	7.47	8.60
11	5.08	7.07	7.72	5.62	12.69	8.21	6.56	6.70	12.25	8.31	6.91	8.26
12	5.35	6.73	6.81	5.84	11.11	7.41	6.72	6.32	13.18	9.31	6.53	7.89
13	6.34	6.47	7.60	---	9.36	6.89	7.20	6.13	13.20	11.42	6.22	7.33
14	6.28	6.60	10.03	---	8.50	6.50	7.12	6.25	11.63	12.27	6.22	6.90
15	5.80	14.14	8.70	---	7.83	6.20	7.00	6.34	10.20	11.33	6.17	6.57
16	5.46	16.54	7.95	---	7.28	6.07	8.08	6.20	9.30	10.70	6.24	6.57
17	5.43	17.27	7.38	---	6.86	5.90	8.40	6.68	8.53	9.77	6.05	6.64
18	5.40	16.96	6.90	---	6.50	6.00	7.80	7.69	7.85	9.06	5.94	6.43
19	5.46	15.48	6.51	---	6.31	5.93	7.42	6.96	7.25	9.09	5.90	6.26
20	5.51	13.23	6.26	---	6.24	5.94	7.00	6.50	6.82	9.10	5.89	6.13
21	5.41	11.88	6.05	---	6.14	5.89	7.03	6.16	6.72	10.85	6.92	6.07
22	5.16	10.84	5.95	---	6.13	5.78	7.08	5.98	6.35	10.25	6.87	6.06
23	5.30	9.87	6.59	---	6.20	5.85	7.32	5.91	6.62	9.40	6.37	5.93
24	5.37	9.05	6.29	---	6.00	5.83	8.91	5.85	7.68	8.92	6.86	5.94
25	5.42	8.39	5.97	---	5.93	5.67	8.04	5.77	8.10	8.37	6.67	5.85
26	5.40	7.84	5.70	---	5.92	5.77	7.42	5.77	7.74	7.89	6.16	5.81
27	5.36	7.36	5.63	---	5.78	5.95	7.09	5.70	7.32	7.50	5.95	5.84
28	5.40	6.93	5.67	---	5.86	5.70	6.86	5.73	6.97	7.17	5.90	5.78
29	6.37	6.62	6.07	---	---	5.46	6.64	6.20	6.61	6.72	5.92	5.73
30	10.67	6.39	5.91	---	---	5.53	6.74	9.40	6.31	6.30	5.91	5.73
31	9.74	---	5.71	9.46	---	5.37	---	9.09	---	6.05	5.95	---
MEAN	5.75	9.22	6.54	---	7.35	6.71	7.04	7.05	8.31	8.14	6.35	6.79
MAX	10.67	17.27	10.03	---	12.69	11.37	8.91	9.98	13.20	12.27	8.45	9.23
MIN	5.06	5.84	5.63	---	5.78	5.37	5.39	5.70	6.31	5.71	5.89	5.73

MERMENTAU RIVER BASIN

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA

LOCATION.—Lat 30°04'55", long 92°30'20", 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. Discharge affected by wind and variable backwater from Mermentau River causing reverse flow at times during the year. Records poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum positive discharge, 6,980 ft³/s, Oct. 31, 1985; maximum gage height, 12.01 ft, Nov. 2, 1985; maximum negative discharge, -919 ft³/s, Feb. 14, 1986; no flow at times each year.

EXTREMES FOR CURRENT YEAR.—Maximum positive daily discharge recorded, 6,320 ft³/s, Nov. 17, but may have been higher during period Nov. 21 to Dec. 1 and Mar. 14 to Apr. 17; maximum negative daily discharge recorded, -69 ft³/s, May 26, but may have been higher during period Nov. 21 to Dec. 1 and Mar. 14 to Apr. 17; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-27	1550	---	44	1180	103	---	281	1520	82	354	49
2	-15	1060	12	72	737	1070	---	297	1330	133	334	130
3	-.25	697	6.1	68	508	1440	---	423	1180	111	363	336
4	-12	436	63	53	310	1020	---	1530	1060	47	364	430
5	-14	276	109	-.66	185	643	---	1750	742	18	376	264
6	-11	203	48	-5.6	205	362	---	1310	474	-5.6	358	164
7	-28	121	15	48	218	192	---	859	446	-32	356	589
8	-16	53	14	19	375	62	---	545	412	62	338	1110
9	-.11	174	-.36	2.8	316	205	---	484	248	249	349	935
10	11	468	65	13	354	923	---	468	96	282	511	724
11	-6.8	404	289	32	1300	889	---	305	899	360	390	691
12	36	247	270	74	1980	541	---	176	2740	648	271	621
13	240	128	228	129	1610	260	---	57	3930	1120	173	458
14	267	68	756	159	1140	---	---	63	3670	2050	149	259
15	145	2190	916	109	689	---	---	131	2780	2520	127	133
16	43	5590	692	22	445	---	---	82	1960	2420	135	108
17	21	6320	451	210	275	---	---	164	1330	2030	49	115
18	-3.9	6170	269	930	155	---	784	328	878	1530	45	81
19	-12	5620	161	996	74	---	539	296	492	1240	25	43
20	2.8	4680	91	669	78	---	360	218	271	1210	3.2	31
21	29	---	83	409	70	---	300	119	213	1460	166	9.1
22	-.28	---	55	260	8.7	---	330	29	84	1580	270	13
23	-.62	---	133	135	47	---	428	.20	127	904	189	15
24	-.35	---	140	63	73	---	584	-23	258	433	185	.98
25	-5.6	---	91	28	3.3	---	634	-61	557	218	193	22
26	3.7	---	44	30	43	---	489	-69	582	248	118	-5.1
27	6.4	---	23	258	23	---	338	-60	434	264	25	2.3
28	-21	---	27	1680	.81	---	156	-24	289	315	18	6.6
29	106	---	103	2470	---	---	87	84	214	342	15	2.6
30	1320	---	99	2390	---	---	60	650	160	375	4.2	2.5
31	1940	---	58	1780	---	---	---	1210	---	361	23	---
TOTAL	3996.99	---	---	13146.54	12402.81	---	---	11622.20	29376	22574.4	6276.4	7339.98
MEAN	129	---	---	424	443	---	---	375	979	728	202	245

MERMENTAU RIVER BASIN
 08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--Continued
 GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.96	6.69	4.82	4.30	6.64	4.74	---	5.35	6.54	4.56	4.53	4.60
2	3.96	6.24	4.78	4.35	6.20	5.76	---	5.34	6.49	4.65	4.51	4.77
3	3.85	5.81	4.80	4.31	5.82	6.27	---	5.70	6.37	4.62	4.62	5.17
4	3.82	5.45	4.86	4.13	5.52	6.04	---	6.64	6.23	4.46	4.86	5.42
5	3.82	5.17	4.72	4.10	5.34	5.63	---	6.78	5.92	4.43	4.83	5.20
6	3.83	4.87	4.60	4.27	5.26	5.23	---	6.43	5.64	4.40	4.66	4.94
7	3.84	4.55	4.51	4.23	5.22	4.86	---	6.05	5.55	4.37	4.57	5.63
8	3.90	4.45	4.53	3.93	5.50	4.67	---	5.70	5.50	4.47	4.63	6.28
9	3.84	4.84	4.56	4.02	5.50	5.01	---	5.50	5.26	4.92	5.18	6.14
10	3.68	5.41	4.67	4.09	5.46	5.86	---	5.43	5.12	5.16	5.38	5.88
11	3.72	5.39	5.06	4.15	6.44	6.05	---	5.15	6.05	5.30	5.24	5.87
12	3.90	5.19	5.13	4.17	7.12	5.73	---	4.88	7.56	5.70	5.02	5.87
13	4.46	5.01	5.12	4.30	6.97	5.31	---	4.74	8.42	6.23	4.78	5.70
14	4.58	5.00	5.85	4.48	6.46	---	---	4.82	8.39	7.08	4.78	5.42
15	4.28	7.20	6.22	4.32	5.98	---	---	4.84	7.89	7.58	4.72	5.16
16	4.05	10.02	6.01	4.20	5.58	---	---	4.76	7.25	7.62	4.71	5.09
17	4.05	10.70	5.66	4.70	5.24	---	---	4.92	6.65	7.46	4.63	5.19
18	4.04	10.61	5.32	5.76	4.98	---	5.98	5.28	6.12	7.00	4.58	5.06
19	4.09	10.33	5.01	6.04	4.86	---	5.74	5.28	5.66	6.63	4.56	4.91
20	4.12	9.88	4.80	5.78	4.81	---	5.46	5.00	5.27	6.54	4.55	4.78
21	4.00	9.19	4.60	5.41	4.71	---	5.40	4.75	5.06	6.68	4.74	4.73
22	3.79	8.44	4.44	5.06	4.72	---	5.48	4.63	4.90	6.93	4.97	4.71
23	3.94	7.70	4.61	4.76	4.76	---	5.57	4.57	5.02	6.88	4.85	4.58
24	4.01	7.04	4.64	4.58	4.55	---	5.68	4.50	5.37	6.70	4.84	4.60
25	4.06	6.50	4.47	4.52	4.53	---	5.83	4.44	5.84	6.39	4.92	4.49
26	4.03	6.06	4.26	4.53	4.51	---	5.73	4.43	5.87	6.02	4.74	4.47
27	3.97	5.67	4.23	5.14	4.38	---	5.55	4.36	5.66	5.73	4.60	4.49
28	4.04	5.34	4.24	6.58	4.47	---	5.42	4.38	5.39	5.47	4.56	4.44
29	4.43	5.11	4.34	7.40	---	---	5.26	4.57	5.11	5.16	4.58	4.39
30	6.15	4.93	4.30	7.55	---	---	5.25	5.48	4.82	4.83	4.57	4.38
31	6.93	---	4.26	7.12	---	---	---	6.14	---	4.61	4.60	---
MAX	6.93	10.70	6.22	7.55	7.12	---	---	6.78	8.42	7.62	5.38	6.28
MIN	3.68	4.45	4.23	3.93	4.38	---	---	4.36	4.82	4.37	4.51	4.38

MERMENTAU RIVER BASIN

08012400 MERMENTAU RIVER AT LAKE ARTHUR, LA

LOCATION.—Lat 30°04'18", long 92°38'55", T.11 S., R.3 W., sec.13, Vermilion Parish, Hydrologic Unit 08080202, on southwest side of Citco Wharf, 1.1 mi upstream from State Highway 14 bridge, 3.1 mi downstream from Bayou Queue de Tortue.

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—October 1984 to current year (gage height only). Records collected at same site intermittently, 1952-55. Daily stages Mar. 30, 1956 to Sept. 30, 1984 are in reports of the U.S. Army Corps of Engineers, New Orleans District.

GAGE.—Water-stage recorder. Datum of gage is 1.78 ft below sea level. Prior to Oct. 1, 1987, at datum 3.56 ft below sea level (when datum is applied to gage heights as published).

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 8.20 ft, Nov. 3, 1985; minimum, 1.18 ft, Aug. 15, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum gage height, 7.50 ft mean low Gulf, May 20, 1980; minimum, -0.17 ft, mean low Gulf, June 17, 1963, from reports of the U.S. Army Corps of Engineers, New Orleans District.

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 5.09 ft, Nov. 19; minimum, 2.26 ft, Oct. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.62	3.23	3.42	2.92	4.17	3.32	2.76	3.54	3.51	3.05	3.09	3.19
2	2.61	3.28	3.43	2.92	4.07	3.29	2.80	3.54	3.65	3.04	3.04	3.23
3	2.48	3.28	3.47	2.82	3.92	3.26	2.71	3.73	3.62	3.03	3.23	3.26
4	2.48	3.31	3.44	2.68	3.84	3.28	2.72	3.80	3.63	3.02	3.27	3.28
5	2.46	3.31	3.29	2.81	3.79	3.26	2.90	3.74	3.62	3.05	3.21	3.32
6	2.48	2.96	3.21	2.96	3.66	3.23	2.89	3.73	3.65	3.02	3.18	3.32
7	2.50	3.01	3.18	2.72	3.61	3.24	3.02	3.73	3.68	3.03	3.18	3.39
8	2.55	3.08	3.19	2.60	3.76	3.28	3.19	3.65	3.68	3.02	3.14	3.37
9	2.47	3.27	3.23	2.73	3.71	3.32	3.29	3.55	3.64	3.09	3.18	3.36
10	2.31	3.32	3.28	2.76	3.55	3.23	3.44	3.42	3.56	3.23	3.20	3.43
11	2.39	3.38	3.31	2.79	3.78	3.34	3.54	3.38	3.57	3.36	3.23	3.54
12	2.46	3.45	3.36	2.70	3.86	3.34	3.51	3.33	3.73	3.57	3.22	3.59
13	2.61	3.48	3.56	2.74	3.70	3.32	3.53	3.33	3.93	3.72	3.25	3.60
14	2.57	3.59	3.52	2.82	3.60	3.27	3.58	3.37	3.94	3.95	3.24	3.62
15	2.59	4.04	3.40	2.75	3.57	3.25	3.60	3.28	3.87	4.11	3.19	3.57
16	2.62	4.71	3.41	2.91	3.48	3.12	3.62	3.26	3.75	4.18	3.16	3.63
17	2.67	4.95	3.39	3.11	3.39	3.13	3.65	3.31	3.62	4.13	3.19	3.65
18	2.69	5.03	3.32	2.99	3.40	3.20	3.65	3.33	3.50	4.04	3.19	3.60
19	2.74	5.05	3.27	3.06	3.47	3.13	3.64	3.23	3.41	3.95	3.19	3.51
20	2.74	4.82	3.27	3.15	3.40	3.16	3.56	3.20	3.40	3.89	3.19	3.41
21	2.57	4.61	3.05	3.09	3.32	3.07	3.55	3.23	3.35	3.87	3.16	3.40
22	2.45	4.44	3.01	3.11	3.43	2.99	3.56	3.22	3.35	3.84	3.17	3.37
23	2.59	4.30	2.93	3.15	3.25	3.12	3.57	3.18	3.37	3.77	3.19	3.20
24	2.67	4.16	2.94	3.18	3.13	3.07	3.66	3.13	3.51	3.74	3.23	3.27
25	2.71	3.98	2.88	3.19	3.24	2.87	3.77	3.11	3.53	3.66	3.24	3.13
26	2.69	3.68	2.85	3.21	3.10	3.12	3.85	3.10	3.59	3.59	3.24	3.15
27	2.62	3.51	2.88	3.72	3.07	3.11	3.89	3.02	3.54	3.43	3.22	3.17
28	2.71	3.56	2.89	3.77	3.18	2.75	3.93	3.00	3.44	3.24	3.19	3.11
29	2.89	3.49	2.67	3.90	---	2.75	3.82	3.12	3.29	3.18	3.20	3.07
30	2.92	3.44	2.72	4.07	---	2.78	3.79	3.25	3.13	3.13	3.22	3.06
31	3.05	---	2.87	4.19	---	2.61	---	3.39	---	3.09	3.24	---
MAX	3.05	5.05	3.56	4.19	4.17	3.34	3.93	3.80	3.94	4.18	3.27	3.65
MIN	2.31	2.96	2.67	2.60	3.07	2.61	2.71	3.00	3.13	3.02	3.04	3.06

[illegible]

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.—No estimated daily discharges. Records good. Several measurements of water temperature were made during the year. 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)
Jan. 29	2330	*24,900	*18.48	Mar. 13	1500	6,830	14.80

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	37	49	105	7590	2770	312	165	368	118	63	63
2	30	36	45	100	5180	2730	260	136	416	90	59	175
3	29	39	42	130	4070	2240	206	283	474	77	56	89
4	27	39	63	225	3380	1670	169	613	498	70	57	58
5	27	38	95	258	2920	1440	148	568	470	64	57	50
6	26	38	105	237	2160	1330	243	598	406	60	58	46
7	26	38	129	199	1400	1320	618	748	440	57	57	50
8	25	40	123	165	932	1290	1100	1010	401	55	58	51
9	27	42	94	140	809	1350	1470	1310	272	53	56	49
10	27	42	108	118	891	1550	1850	1940	215	55	58	45
11	27	45	259	107	1040	1680	2280	2000	150	80	60	42
12	27	45	366	112	1070	2400	2510	1690	116	137	71	44
13	33	46	420	118	1110	6270	2480	1490	101	146	102	42
14	55	64	546	136	1200	5770	2120	1290	93	186	117	40
15	53	211	571	168	1420	4460	1820	1150	95	188	104	43
16	40	465	556	167	1750	3570	1850	1120	138	203	76	42
17	38	950	504	479	2040	2830	1840	1030	190	224	61	41
18	35	832	407	1050	2020	2020	1730	926	219	191	56	40
19	33	662	298	1200	1690	1250	1640	621	211	195	53	39
20	33	645	224	1310	1210	669	1360	438	149	255	53	42
21	34	564	186	1470	746	437	752	352	112	271	58	41
22	36	386	160	1570	569	338	371	291	109	289	74	38
23	39	219	231	1550	874	284	233	211	124	304	61	35
24	40	138	258	1510	1230	251	203	158	226	295	58	34
25	41	103	277	1430	1410	236	205	128	281	323	85	33
26	39	84	273	1150	1590	222	206	111	248	317	61	32
27	37	74	256	1190	1970	207	200	104	242	175	54	32
28	34	66	223	5490	2540	228	213	161	233	107	50	31
29	36	60	184	19600	—	249	205	297	216	85	49	31
30	36	54	148	21900	—	281	186	311	173	74	54	30
31	37	—	120	13100	—	319	—	337	—	68	62	—
TOTAL	1059	6102	7320	76484	54811	51661	28780	21587	7386	4812	1998	1428
MEAN	34.2	203	236	2467	1958	1666	959	696	246	155	64.5	47.6
MAX	55	950	571	21900	7590	6270	2510	2000	498	323	117	175
MIN	25	36	42	100	569	207	148	104	93	53	49	30
AC-FT	2100	12100	14520	151700	108700	102500	57090	42820	14650	9540	3960	2830
CFSM	.07	.41	.47	4.94	3.92	3.34	1.92	1.40	.49	.31	.13	.10
IN.	.08	.45	.55	5.70	4.09	3.85	2.15	1.61	.55	.36	.15	.11

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1994, BY WATER YEAR (WY)

MEAN	212	503	1097	1547	1606	1291	1083	1049	409	272	156	173
MAX	2460	3956	6770	4612	4901	3374	3165	10500	3865	4535	1978	1595
(WY)	1986	1958	1983	1947	1966	1973	1952	1953	1989	1989	1955	1958
MIN	16.5	25.2	29.4	58.3	149	103	91.9	45.3	41.1	24.8	20.0	17.0
(WY)	1957	1955	1955	1981	1954	1954	1981	1963	1948	1954	1956	1954

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1944 - 1994		
ANNUAL TOTAL	262133		263428				
ANNUAL MEAN	718		722		780		
HIGHEST ANNUAL MEAN					1659		
LOWEST ANNUAL MEAN					227		
HIGHEST DAILY MEAN	7640	Apr 12	21900	Jan 30	55900	May 19	1953
LOWEST DAILY MEAN	25	Oct 8	25	Oct 8	15	Oct 7	1954
ANNUAL SEVEN-DAY MINIMUM	26	Oct 4	26	Oct 4	16	Oct 3	1954
INSTANTANEOUS PEAK FLOW			24900	Jan 29	59500	May 19	1953
INSTANTANEOUS PEAK STAGE			18.48	Jan 29	21.55	May 19	1953
INSTANTANEOUS LOW FLOW			25	Oct 8,9	15	Sep 27,28	1954
						Oct 7-9	1954
						Oct 18	1956
INSTANTANEOUS LOW STAGE			4.85	Oct 8,9	3.86	Oct 18	1956
ANNUAL RUNOFF (AC-FT)	519900		522500		564800		
ANNUAL RUNOFF (CFSM)	1.44		1.45		1.56		
ANNUAL RUNOFF (INCHES)	19.54		19.64		21.23		
10 PERCENT EXCEEDS	2390		1710		2090		
50 PERCENT EXCEEDS	173		191		172		
90 PERCENT EXCEEDS	34		38		31		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.99	5.12	5.86	7.01	14.98	13.24	8.61	7.23	9.01	6.60	5.61	5.60
2	4.95	5.11	5.80	6.93	14.29	13.22	8.19	6.86	9.32	6.14	5.52	7.32
3	4.92	5.18	5.76	7.37	13.87	12.91	7.68	8.22	9.66	5.90	5.45	6.16
4	4.90	5.18	6.23	8.48	13.56	12.42	7.27	10.38	9.80	5.75	5.47	5.60
5	4.88	5.15	6.83	8.79	13.33	12.06	7.03	10.17	9.64	5.63	5.47	5.43
6	4.87	5.14	7.01	8.60	12.84	11.89	7.98	10.31	9.25	5.55	5.50	5.35
7	4.86	5.15	7.37	8.21	12.00	11.87	10.28	10.77	9.47	5.48	5.47	5.44
8	4.85	5.20	7.28	7.83	11.18	11.83	11.50	11.33	9.22	5.43	5.51	5.47
9	4.90	5.25	6.83	7.52	10.92	11.92	12.13	11.86	8.29	5.39	5.46	5.41
10	4.89	5.25	7.04	7.22	11.10	12.26	12.61	12.68	7.77	5.44	5.49	5.34
11	4.89	5.32	8.75	7.04	11.40	12.45	12.94	12.74	7.04	5.93	5.55	5.27
12	4.88	5.31	9.61	7.13	11.45	12.98	13.09	12.46	6.57	6.87	5.78	5.31
13	5.04	5.34	9.95	7.23	11.52	14.63	13.07	12.15	6.33	7.00	6.35	5.26
14	5.52	5.68	10.67	7.47	11.68	14.49	12.83	11.82	6.19	7.47	6.59	5.23
15	5.47	7.59	10.79	7.87	12.04	14.03	12.60	11.60	6.22	7.48	6.38	5.28
16	5.20	9.57	10.72	7.86	12.52	13.66	12.63	11.54	6.88	7.65	5.87	5.27
17	5.14	11.21	10.44	9.96	12.77	13.28	12.62	11.38	7.51	7.87	5.56	5.25
18	5.09	11.00	9.87	12.03	12.76	12.74	12.53	11.17	7.82	7.52	5.47	5.22
19	5.02	10.64	9.11	12.30	12.45	11.76	12.40	10.36	7.73	7.56	5.39	5.19
20	5.02	10.63	8.48	12.48	11.69	10.50	11.94	9.45	7.03	8.14	5.39	5.26
21	5.05	10.30	8.07	12.74	10.75	9.44	10.70	8.90	6.51	8.29	5.51	5.24
22	5.11	9.31	7.78	12.91	10.17	8.80	9.00	8.44	6.46	8.43	5.85	5.16
23	5.17	8.03	8.53	12.89	11.04	8.39	7.94	7.73	6.70	8.55	5.57	5.11
24	5.20	7.15	8.79	12.81	11.72	8.12	7.64	7.14	7.78	8.47	5.51	5.07
25	5.23	6.67	8.94	12.68	12.02	7.99	7.66	6.75	8.36	8.69	6.03	5.05
26	5.17	6.39	8.91	12.19	12.32	7.84	7.68	6.50	8.09	8.64	5.57	5.03
27	5.12	6.22	8.78	12.24	12.72	7.69	7.62	6.37	8.04	7.33	5.42	5.02
28	5.07	6.09	8.47	14.86	13.11	7.91	7.76	7.12	7.96	6.42	5.34	5.01
29	5.10	6.00	8.05	17.77	d	8.11	7.67	8.49	7.79	6.04	5.30	5.00
30	5.11	5.92	7.63	17.90	d	8.37	7.47	8.60	7.31	5.84	5.42	4.98
31	5.12	d	7.25	16.27	d	8.66	d	8.79	d	5.71	5.58	d
MAX	5.52	11.21	10.79	17.90	14.98	14.63	13.09	12.74	9.80	8.69	6.59	7.32
MIN	4.85	5.11	5.76	6.93	10.17	7.69	7.03	6.37	6.19	5.39	5.30	4.98

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.—Estimated daily discharges. Records fair. Prior to November 1981 paper mill at Elizabeth pumps about 11 ft³/s of water from wells which was 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)
Feb. 1	0330	*24,200	*20.11	No other peaks greater than base discharge..			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	67	121	257	22900	1250	308	334	581	243	115	69
2	52	62	115	236	15500	1890	319	330	580	223	110	73
3	51	60	110	224	8860	2360	322	517	643	192	101	119
4	e50	60	119	215	6190	2510	307	798	651	163	95	201
5	e50	60	196	203	4960	2420	285	784	656	147	93	176
6	e51	60	276	224	4560	2000	291	714	693	139	90	114
7	e53	58	258	252	3990	1530	400	657	557	126	92	103
8	e54	58	217	257	3300	1250	523	595	455	116	89	106
9	e55	58	200	242	2610	993	563	599	407	112	88	85
10	e60	58	274	218	1860	1830	638	723	587	145	87	77
11	e65	59	553	201	1500	2030	778	1230	567	174	84	74
12	87	59	731	186	1400	1900	1040	1560	519	223	83	71
13	72	58	596	174	1330	1700	1640	1620	432	210	83	68
14	e60	59	669	168	1240	1490	2020	1530	327	250	83	65
15	52	233	772	170	1110	1970	2120	1310	243	399	95	63
16	52	801	764	173	1030	3500	2160	1170	201	436	113	78
17	58	1130	715	578	1040	4220	2030	1100	183	341	114	73
18	59	1510	635	1490	1120	3660	2040	1220	186	268	100	65
19	55	1550	575	1860	1260	2900	1810	1410	213	286	88	62
20	51	1380	514	1990	1400	2260	1500	1240	238	489	81	60
21	58	1000	435	1740	1600	1700	1350	925	248	508	81	58
22	59	685	365	1390	1590	1170	1260	666	269	387	78	58
23	55	565	348	1200	1750	764	1070	512	277	316	80	58
24	53	482	441	1210	2010	540	750	431	366	323	82	57
25	53	366	466	1280	1970	424	508	369	383	e265	82	55
26	53	262	430	1320	1590	392	393	325	440	e260	78	53
27	54	193	378	2520	1290	375	366	296	385	e225	85	52
28	54	160	349	5020	1190	342	348	277	310	e190	86	50
29	61	141	326	6020	---	317	335	260	272	e170	77	50
30	68	130	306	6020	---	306	330	332	257	e150	73	49
31	75	---	280	16800	---	307	---	507	---	e130	70	---
TOTAL	1786	11424	12534	53838	100150	50300	27804	24341	12126	7606	2756	2342
MEAN	57.6	381	404	1737	3577	1623	927	785	404	245	88.9	78.1
MAX	87	1550	772	16800	22900	4220	2160	1620	693	508	115	201
MIN	50	58	110	168	1030	306	285	260	183	112	70	49
AC-FT	3540	22660	24860	106800	198600	99770	55150	48280	24050	15090	5470	4650
CFSM	.08	.51	.54	2.31	4.75	2.15	1.23	1.04	.54	.33	.12	.10
IN.	.09	.56	.62	2.66	4.95	2.48	1.37	1.20	.60	.38	.14	.12

e Estimated

CALCASIEU RIVER BASIN
08013500 CALCASIEU RIVER NEAR OBERLIN, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1994, BY WATER YEAR (WY)

MEAN	332	741	1573	2023	2251	1943	1695	1618	686	540	351	310
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	64.3	48.2	46.6	40.6
(WY)	1957	1925	1955	1981	1954	1986	1981	1963	1988	1956	1954	1954

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1923 - 1994

ANNUAL TOTAL	344033	307007	
ANNUAL MEAN	943	841	1170
HIGHEST ANNUAL MEAN			2409
LOWEST ANNUAL MEAN			337
HIGHEST DAILY MEAN	7640	Apr 15	22900
LOWEST DAILY MEAN	45	Sep 13	49
ANNUAL SEVEN-DAY MINIMUM	46	Sep 15	52
INSTANTANEOUS PEAK FLOW			24200
INSTANTANEOUS PEAK STAGE			20.11
INSTANTANEOUS LOW FLOW			48
INSTANTANEOUS LOW STAGE			2.13
ANNUAL RUNOFF (AC-FT)	682400	608900	847600
ANNUAL RUNOFF (CFSM)	1.25	1.12	1.55
ANNUAL RUNOFF (INCHES)	17.00	15.17	21.11
10 PERCENT EXCEEDS	2450	1860	3030
50 PERCENT EXCEEDS	323	308	334
90 PERCENT EXCEEDS	53	59	60

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.26	2.33	2.81	3.64	19.91	7.54	3.94	3.80	4.99	3.62	2.91	2.41
2	2.20	2.27	2.76	3.53	18.66	9.38	3.99	3.78	4.99	3.51	2.84	2.46
3	2.19	2.25	2.72	3.46	17.08	10.48	4.01	4.68	5.26	3.35	2.77	2.88
4	---	2.25	2.79	3.40	15.68	10.80	3.93	5.90	5.30	3.18	2.72	3.39
5	---	2.25	3.28	3.33	14.61	10.61	3.81	5.84	5.32	3.09	2.69	3.25
6	---	2.24	3.75	3.46	14.19	9.66	3.84	5.56	5.48	3.03	2.67	2.87
7	---	2.22	3.65	3.61	13.39	8.39	4.37	5.32	4.98	2.95	2.68	2.79
8	---	2.22	3.42	3.65	12.29	7.54	4.92	5.06	4.58	2.88	2.65	2.81
9	---	2.22	3.31	3.56	10.98	7.64	5.09	5.08	4.38	2.86	2.64	2.60
10	---	2.22	3.72	3.42	9.29	9.22	5.39	5.59	5.09	3.07	2.63	2.51
11	---	2.23	5.02	3.32	8.31	9.73	5.92	7.45	5.02	3.24	2.59	2.47
12	2.58	2.24	5.74	3.23	8.02	9.39	6.84	8.48	4.83	3.51	2.58	2.43
13	2.40	2.22	5.21	3.16	7.82	8.86	8.71	8.67	4.48	3.44	2.58	2.40
14	---	2.23	5.50	3.12	7.49	8.29	9.70	8.41	4.02	3.65	2.58	2.37
15	2.15	3.56	5.89	3.13	7.06	9.54	9.96	7.75	3.62	4.33	2.72	2.35
16	2.15	6.01	5.86	3.15	6.81	12.60	10.04	7.25	3.39	4.50	2.86	2.52
17	2.22	7.14	5.67	4.98	6.81	13.75	9.72	7.02	3.29	4.08	2.87	2.46
18	2.23	8.34	5.36	8.26	7.10	12.89	9.75	7.44	3.31	3.75	2.76	2.36
19	2.19	8.47	5.13	9.28	7.58	11.56	9.17	8.06	3.46	3.83	2.63	2.33
20	2.19	7.96	4.87	9.63	8.01	10.25	8.32	7.51	3.59	4.71	2.56	2.30
21	2.22	6.69	4.52	8.98	8.59	8.86	7.87	6.38	3.64	4.79	2.55	2.29
22	2.23	5.56	4.20	7.98	8.56	7.25	7.58	5.36	3.75	4.29	2.52	2.28
23	2.18	5.08	4.11	7.37	9.02	5.86	6.90	4.68	3.78	3.98	2.55	2.28
24	2.15	4.73	4.55	7.41	9.68	4.99	5.70	4.30	4.20	3.90	2.56	2.27
25	2.16	4.20	4.66	7.65	9.58	4.49	4.66	3.99	4.27	---	2.56	2.24
26	2.16	3.67	4.50	7.78	8.57	4.34	4.16	3.75	4.52	---	2.52	2.22
27	2.17	3.27	4.26	10.64	7.66	4.26	3.97	3.59	4.28	---	2.60	2.20
28	2.17	3.07	4.12	14.63	7.34	4.11	3.87	3.48	3.95	---	2.61	2.19
29	2.26	2.94	4.00	15.58	---	3.98	3.80	3.39	3.76	---	2.50	2.18
30	2.34	2.86	3.90	15.55	---	3.93	3.78	3.77	3.69	---	2.46	2.17
31	2.42	---	3.77	18.81	---	3.93	---	4.66	---	---	2.43	---
MAX	---	8.47	5.89	18.81	19.91	13.75	10.04	8.67	5.48	---	2.91	3.39
MIN	---	2.22	2.72	3.12	6.81	3.93	3.78	3.39	3.29	---	2.43	2.17

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 Tennile Creek, 8.0 mi upstream from Bundick Creek, and 10 mi northwest of Oberlin.

DRAINAGE AREA.—510 mi².

PERIOD OF RECORD.—January 1939 to current year.

REVISED RECORDS.—WDR LA-84-1: 1983(M).

GAGE.—Water-stage recorder. Datum of gage is 46.24 ft above sea level. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.—Records fair. Several measurements of water temperature were made during the year.

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)
Jan. 30	0803	*14,500	*20.43	No other peaks greater than base discharge..			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	234	233	306	5990	714	341	281	418	274	231	217
2	186	243	227	291	2820	1550	321	274	417	264	229	262
3	182	216	225	310	1370	1600	307	596	455	257	242	380
4	180	206	258	396	1100	1350	297	1340	488	251	239	319
5	178	199	657	364	1210	941	292	1250	522	248	231	267
6	177	205	695	314	1720	726	395	905	431	242	233	336
7	176	225	562	288	1560	628	707	518	381	237	257	288
8	176	218	385	273	1230	565	1040	403	359	234	274	307
9	177	208	309	266	988	737	836	362	329	233	253	261
10	177	200	401	264	947	2020	499	1070	454	235	234	234
11	178	210	1230	261	1130	2140	400	1820	437	274	227	222
12	183	237	1090	256	1380	2110	728	1830	553	349	224	215
13	190	229	820	278	1350	1930	1560	1670	380	424	221	216
14	189	217	847	371	1040	1160	1530	1180	332	355	222	250
15	199	349	1060	341	823	779	1250	793	312	339	221	231
16	260	1170	878	295	709	666	690	1570	304	480	221	226
17	230	1850	556	923	644	589	511	2210	288	545	220	242
18	200	1890	414	2540	601	535	440	1900	280	479	219	224
19	190	1670	359	2570	561	490	391	1560	286	376	215	234
20	187	1230	333	2400	536	455	354	1080	338	610	213	234
21	189	642	335	2220	577	430	331	680	439	626	223	217
22	196	446	402	1380	686	407	318	530	363	493	253	208
23	235	367	530	790	1710	389	355	455	763	540	316	200
24	259	319	814	601	2060	377	363	407	904	510	335	200
25	225	288	739	520	1770	368	336	376	792	520	283	197
26	201	269	511	470	1390	355	340	356	543	450	257	197
27	193	257	397	1820	890	352	341	338	440	322	252	195
28	189	248	342	4200	711	350	321	325	354	279	246	194
29	196	243	324	6120	---	363	293	392	311	257	231	193
30	196	239	333	13000	---	452	282	669	289	245	220	192
31	194	---	320	8750	---	389	---	520	---	236	213	---
TOTAL	6083	14524	16586	53178	37503	25917	16169	27660	12962	11184	7455	7158
MEAN	196	484	535	1715	1339	836	539	892	432	361	240	239
MAX	260	1890	1230	13000	5990	2140	1560	2210	904	626	335	380
MIN	176	199	225	256	536	350	282	274	280	233	213	192
AC-FT	12070	28810	32900	105500	74390	51410	32070	54860	25710	22180	14790	14200
CFSM	.38	.95	1.05	3.36	2.63	1.64	1.06	1.75	.85	.71	.47	.47
IN.	.44	1.06	1.21	3.88	2.74	1.89	1.18	2.02	.95	.82	.54	.52

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1994, BY WATER YEAR (WY)

MEAN	387	673	1112	1246	1323	1180	1046	1149	665	507	423	366
MAX	2877	4075	6076	3781	3326	3272	3630	12090	4192	4063	4264	2314
(WY)	1985	1958	1983	1974	1984	1973	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 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1940 - 1994

ANNUAL TOTAL	310710		236379									
ANNUAL MEAN	851		648							838		
HIGHEST ANNUAL MEAN										1643		1953
LOWEST ANNUAL MEAN										286		1970
HIGHEST DAILY MEAN	9440	Mar 4	13000	Jan 30	108000							May 19 1953
LOWEST DAILY MEAN	176	Oct 7	176	Oct 7	88							Oct 19 1956
ANNUAL SEVEN-DAY MINIMUM	177	Oct 5	177	Oct 5	90							Oct 14 1956
INSTANTANEOUS PEAK FLOW			14500	Jan 30	144000							May 18 1953
INSTANTANEOUS PEAK STAGE			20.43	Jan 30	32.80							May 18 1953
INSTANTANEOUS LOW FLOW			175	Oct 7-9	88							Oct 19 1956
INSTANTANEOUS LOW STAGE			2.67	Sept 30	2.41							Sept 9-11 1982
ANNUAL RUNOFF (AC-FT)	616300		468900		606900							
ANNUAL RUNOFF (CFSM)	1.67		1.27		1.64							
ANNUAL RUNOFF (INCHES)	22.66		17.24		22.32							
10 PERCENT EXCEEDS	1980		1380		1860							
50 PERCENT EXCEEDS	432		350		377							
90 PERCENT EXCEEDS	196		203		166							

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.83	3.05	3.22	3.61	15.71	5.14	3.78	3.43	3.89	3.21	2.96	2.86
2	2.76	3.10	3.18	3.54	10.95	7.76	3.69	3.39	3.88	3.16	2.95	3.14
3	2.74	2.96	3.16	3.63	7.20	7.90	3.62	4.63	4.05	3.12	3.04	3.72
4	2.72	2.90	3.35	4.03	6.36	7.15	3.57	7.13	4.19	3.09	3.02	3.44
5	2.70	2.86	4.94	3.89	6.71	5.86	3.54	6.85	4.32	3.07	2.97	3.17
6	2.70	2.90	5.08	3.65	8.27	5.18	3.99	5.73	3.94	3.03	2.98	3.51
7	2.69	3.01	4.64	3.52	7.80	4.86	5.12	4.40	3.73	3.01	3.12	3.28
8	2.68	2.97	3.98	3.44	6.78	4.66	6.16	3.95	3.63	2.99	3.21	3.38
9	2.69	2.91	3.63	3.41	6.00	5.20	5.53	3.76	3.49	2.98	3.09	3.14
10	2.70	2.87	3.98	3.40	5.87	9.13	4.42	6.26	4.04	2.99	2.99	2.99
11	2.70	2.92	6.78	3.38	6.47	9.44	4.05	8.54	3.97	3.21	2.94	2.90
12	2.74	3.07	6.35	3.35	7.24	9.37	5.14	8.58	4.44	3.58	2.91	2.85
13	2.79	3.03	5.48	3.47	7.16	8.87	7.78	8.12	3.72	3.91	2.89	2.86
14	2.79	2.96	5.56	3.92	6.19	6.54	7.72	6.61	3.50	3.61	2.90	3.08
15	2.86	3.55	6.23	3.78	5.49	5.35	6.83	5.34	3.40	3.53	2.90	2.97
16	3.17	6.59	5.66	3.56	5.12	4.98	5.04	7.78	3.36	4.15	2.89	2.93
17	3.03	8.63	4.62	5.69	4.92	4.73	4.42	9.64	3.28	4.41	2.89	3.03
18	2.87	8.76	4.10	10.50	4.77	4.55	4.15	8.78	3.24	4.15	2.88	2.92
19	2.79	8.12	3.87	10.59	4.64	4.39	3.95	7.80	3.27	3.70	2.85	2.98
20	2.75	6.79	3.74	10.14	4.55	4.26	3.79	6.28	3.52	4.66	2.84	2.98
21	2.77	4.90	3.75	9.67	4.70	4.16	3.68	4.91	3.98	4.72	2.91	2.86
22	2.84	4.22	4.05	7.24	5.05	4.07	3.61	4.36	3.64	4.21	3.09	2.80
23	3.05	3.90	4.52	5.38	8.18	4.00	3.79	4.05	5.22	4.40	3.42	2.74
24	3.17	3.68	5.46	4.78	9.22	3.95	3.83	3.84	5.71	4.27	3.52	2.74
25	3.01	3.52	5.22	4.50	8.41	3.91	3.70	3.71	5.32	4.32	3.26	2.72
26	2.87	3.42	4.46	4.32	7.29	3.85	3.72	3.61	4.41	4.02	3.12	2.72
27	2.82	3.36	4.03	8.35	5.70	3.84	3.73	3.53	3.98	3.45	3.09	2.71
28	2.79	3.31	3.79	13.60	5.13	3.82	3.62	3.47	3.60	3.23	3.05	2.70
29	2.84	3.28	3.70	15.77	---	3.89	3.49	3.76	3.40	3.12	2.97	2.69
30	2.84	3.26	3.74	20.01	---	4.25	3.43	4.87	3.29	3.05	2.88	2.68
31	2.83	---	3.68	18.25	---	4.00	---	4.31	---	3.00	2.84	---
MAX	3.17	8.76	6.78	20.01	15.71	9.44	7.78	9.64	5.71	4.72	3.52	3.72
MIN	2.68	2.86	3.16	3.35	4.55	3.82	3.43	3.39	3.24	2.98	2.84	2.68

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA
(National stream-quality accounting network station)

LOCATION.—Lat 30°30'10", long 92°54'55", in 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 Chino Creek, and 4.0 mi west of Kinder.

DRAINAGE AREA.—1,700 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1922 to January 1925, October 1938 to September 1957, October 1961 to current year. October 1957 to September 1961 (annual maximums) from National Weather Service.

GAGE.—Water-stage recorder. Datum of gage is 11.95 ft 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.—Records good. Prior to November, 1981, paper mill at Elizabeth pumped about 11 ft³/s from wells which was later discharged into Mill Creek 36 mi above station. Water is diverted during period April to September at points just above station and 5.0 mi above station for the irrigation of about 7,500 acres of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s and this diversion results in marked regulation of the low-water flow. Boyer method to determine discharge used Nov. 16, 21, Jan. 18, 23, 27, 28, Feb. 3-4, 27, Mar. 2, 10, 14, Apr. 13, May 4-6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	462	482	586	1240	28900	3010	1020	948	1440	779	532	412
2	380	540	527	1200	32000	4850	955	943	1490	720	471	615
3	349	647	495	1130	22000	5430	951	2290	1560	662	458	1040
4	334	510	798	1130	13400	5230	917	4820	1670	609	498	1010
5	328	511	1200	1150	10500	4820	885	4380	1660	580	474	842
6	300	598	1510	1020	9140	4270	982	3210	1720	575	477	710
7	340	467	1350	884	8340	3570	1470	2450	1560	507	508	724
8	560	453	1080	862	7040	2880	1940	1840	1310	477	562	721
9	490	471	865	825	5870	2870	2130	1570	1140	480	565	707
10	318	634	1310	779	4940	4710	1900	1740	1190	710	513	612
11	359	484	2630	745	4120	5410	1690	3030	1440	1120	457	594
12	599	453	2930	723	3550	5490	2200	3880	1920	1120	430	579
13	724	519	2510	762	3380	5340	3730	4350	1830	1160	415	564
14	478	675	2460	1040	3270	4560	4350	4470	1230	1330	411	551
15	408	1490	2690	1050	2910	3780	4570	3990	1010	1340	397	526
16	383	3560	2600	801	2540	3640	4650	3200	852	1500	408	600
17	478	4190	2230	1640	2320	4210	4170	3630	759	1470	441	727
18	434	4790	1860	5030	2240	4780	3540	4030	700	1280	450	648
19	402	4650	1700	5910	2270	4820	3200	3930	730	1180	454	608
20	377	4060	1740	5790	2360	4310	2790	3560	772	1330	444	585
21	415	2970	1630	5420	2510	3570	2540	2730	947	1760	513	556
22	465	2150	1590	4580	2990	2760	2340	1980	1060	1620	605	519
23	666	1670	1660	3430	4380	2060	2140	1530	1430	1370	644	479
24	699	1450	1890	2910	5490	1610	1970	1240	2340	1300	778	457
25	539	1270	2050	2690	5760	1380	1820	1080	2380	1200	760	436
26	478	1070	1870	2660	5250	1250	1390	955	1880	1190	695	417
27	559	906	1630	4810	3950	1180	1160	871	1450	1020	626	395
28	403	804	1470	10700	3190	1120	1060	840	1200	870	566	384
29	489	740	1480	15200	---	1070	963	776	993	786	525	366
30	773	685	1380	16100	---	1080	920	997	862	688	468	357
31	564	---	1310	21500	---	1110	---	1430	---	581	429	---
TOTAL	14553	43899	51031	123711	204610	106170	64343	76690	40525	31314	15974	17741
MEAN	469	1463	1646	3991	7307	3425	2145	2474	1351	1010	515	591
MAX	773	4790	2930	21500	32000	5490	4650	4820	2380	1760	778	1040
MIN	300	453	495	723	2240	1070	885	776	700	477	397	357
AC-FT	28870	87070	101200	245400	405800	210600	127600	152100	80380	62110	31680	35190

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1994, BY WATER YEAR (WY)

MEAN	960	1645	3711	4357	4610	4012	3621	3773	1963	1508	1070	852
MAX	9258	9475	20030	12670	11760	10820	14730	36390	9601	20130	12370	7285
(WY)	1985	1986	1983	1974	1950	1973	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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1923 - 1994		
ANNUAL TOTAL	988871		790561				
ANNUAL MEAN	2709		2166		2671		
HIGHEST ANNUAL MEAN					4979		
LOWEST ANNUAL MEAN					788		
HIGHEST DAILY MEAN	20300	Mar 5	32000	Feb 2	166000	May 20	1953
LOWEST DAILY MEAN	297	Sep 12	300	Oct 6	140	Aug 15	1956
ANNUAL SEVEN-DAY MINIMUM	303	Sep 9	356	Oct 1	164	Aug 12	1956
INSTANTANEOUS PEAK FLOW			33400	Feb 2	182000	May 19	1953
INSTANTANEOUS PEAK STAGE			19.87	Feb 2	32.00	May 19	1953
INSTANTANEOUS LOW FLOW			* 300	Oct 6	136	Aug 15	1956
INSTANTANEOUS LOW STAGE			**		1.42	Sep 30	1981
ANNUAL RUNOFF (AC-FT)	1961000		1568000		1935000		
10 PERCENT EXCEEDS	7320		4610		6180		
50 PERCENT EXCEEDS	1240		1180		1050		
90 PERCENT EXCEEDS	392		458		331		

* Minimum daily discharge.

** Unknown.

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.12	2.09	2.94	4.90	19.26	9.14	4.53	4.04	5.45	3.48	2.69	2.17
2	1.86	2.28	2.76	4.79	19.68	11.51	4.37	4.03	5.58	3.30	2.50	2.82
3	1.75	2.62	2.65	4.59	18.41	12.66	4.36	7.34	5.77	3.12	2.46	4.16
4	1.70	2.18	3.59	4.59	16.70	12.44	4.27	11.64	6.04	2.94	2.58	4.07
5	1.68	2.19	4.78	4.64	15.64	11.96	4.18	11.70	6.02	2.84	2.50	3.55
6	1.58	2.46	5.64	4.27	15.17	11.23	4.44	9.92	6.19	2.83	2.51	3.12
7	1.71	2.04	5.20	3.86	14.81	10.17	5.66	7.97	5.76	2.61	2.60	3.16
8	2.40	2.00	4.45	3.80	14.06	8.89	6.77	6.49	5.09	2.52	2.77	3.15
9	2.18	2.06	3.80	3.69	13.09	8.86	7.22	5.78	4.60	2.53	2.77	3.10
10	1.62	2.57	5.05	3.55	12.10	11.23	6.67	6.22	4.74	3.25	2.60	2.78
11	1.75	2.10	8.34	3.44	11.01	12.64	6.20	9.18	5.44	4.51	2.42	2.70
12	2.50	2.00	8.99	3.38	10.16	12.73	7.40	10.66	6.67	4.50	2.33	2.65
13	2.90	2.21	8.12	3.49	9.86	12.56	9.97	11.34	6.45	4.63	2.28	2.60
14	2.11	2.71	8.01	4.30	9.65	11.98	11.34	11.51	4.87	5.12	2.26	2.55
15	1.89	5.32	8.51	4.35	8.94	10.51	11.64	10.83	4.21	5.15	2.21	2.47
16	1.80	9.72	8.31	3.62	8.19	10.29	11.75	9.52	3.77	5.57	2.24	2.71
17	2.10	11.12	7.48	5.85	7.68	11.14	11.09	10.27	3.49	5.49	2.34	3.13
18	1.95	11.93	6.54	11.37	7.49	11.91	10.14	10.89	3.30	4.96	2.36	2.86
19	1.85	11.75	6.14	13.14	7.57	11.97	9.51	10.75	3.40	4.67	2.37	2.72
20	1.76	10.94	6.24	13.03	7.79	11.29	8.71	10.16	3.53	5.12	2.33	2.63
21	1.88	9.41	5.95	12.65	8.12	10.17	8.18	8.57	4.04	6.26	2.55	2.53
22	2.04	7.27	5.83	11.99	9.11	8.64	7.73	6.85	4.37	5.89	2.84	2.41
23	2.68	6.04	6.01	10.38	10.98	7.07	7.25	5.67	5.39	5.23	2.97	2.28
24	2.78	5.46	6.62	8.96	12.71	6.01	6.83	4.91	7.73	5.02	3.39	2.21
25	2.27	4.98	7.03	8.51	13.00	5.47	6.44	4.44	7.83	4.74	3.34	2.14
26	2.08	4.41	6.58	8.45	12.46	5.13	5.30	4.07	6.60	4.70	3.12	2.07
27	2.33	3.92	5.94	10.78	11.22	4.95	4.68	3.82	5.45	4.20	2.89	2.00
28	1.84	3.62	5.52	15.15	9.50	4.82	4.38	3.73	4.74	3.76	2.68	1.95
29	2.11	3.43	5.56	16.94	---	4.66	4.09	3.54	4.13	3.50	2.55	1.89
30	3.03	3.26	5.30	17.14	---	4.71	3.96	4.19	3.73	3.20	2.36	1.86
31	2.35	---	5.09	18.14	---	4.77	---	5.41	---	2.85	2.24	---
MAX	3.03	11.93	8.99	18.14	19.68	12.73	11.75	11.70	7.83	6.26	3.39	4.16
MIN	1.58	2.00	2.65	3.38	7.49	4.66	3.96	3.54	3.30	2.52	2.21	1.86

CALCASIEU RIVER BASIN
08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1966-69, 1973-75, 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1979 to September 1982.

WATER TEMPERATURES: June 1979 to September 1982.

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, 139 micromhos June 24, 1979; minimum daily, 13 micromhos Sept. 21, 1979.

WATER TEMPERATURES: Maximum daily, 34.0 °C Aug. 26, 1981; minimum daily, 6.0 °C Jan. 12, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A specific conductance of 187 micromhos was observed July 16, 1969. A water temperature of 5.0 °C was observed Jan. 17, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCEI, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	
DEC 1993													
08...	1300	1080	46	6.56	14.5	60	12	9.4	1.8	--	96	10	
MAR 1994													
08...	1145	2880	40	6.85	19.0	60	22	8.4	1.2	K100	K56	9	
JUN 14...	1330	1230	45	6.68	27.5	70	20	6.9	0.8	120	88	11	
DATE		CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
DEC 1993													
08...	2.6	0.94	4.2	1.4	14	10	3.3	4.9	0.1	16	54	41	
MAR 1994													
08...	2.4	0.79	3.5	1.1	10	8	3.2	4.3	<0.1	12	59	34	
JUN 14...	2.9	0.87	3.7	1.3	13	11	2.3	3.9	<0.1	15	61	38	
DATE		NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	
DEC 1993													
08...	<0.01	<0.05	0.03	0.4	0.05	0.02	0.02	190	35	<3	530		
MAR 1994													
08...	<0.01	0.05	0.03	0.4	0.05	0.03	0.01	--	36	<3	410		
JUN 14...	<0.01	0.11	0.03	0.6	0.09	0.03	0.02	260	37	<3	560		
DATE		LITHIUM DIS-SOLVED (UG/L AS Li)	MANGA-NESE, DIS-SOLVED (UG/L AS Mn)	MOLYB-DENUM, DIS-SOLVED (UG/L AS Mo)	NICKEL, DIS-SOLVED (UG/L AS Ni)	SELE-NIUM, DIS-SOLVED (UG/L AS Se)	SILVER, DIS-SOLVED (UG/L AS Ag)	STRON-TIUM, DIS-SOLVED (UG/L AS Sr)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
DEC 1993													
08...	<4	36	<10	1	<1	<1	19	<6	27	79	100		
MAR 1994													
08...	<4	83	<10	2	<1	<1	16	<6	28	218	99		
JUN 14...	<4	56	<10	<1	<1	<1	19	<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).

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 32°19'38", long 94° 21'1 2", Panola County, Hydrologic Unit 12010002, at 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.--October 1938 to current year. Prior to October 1978, published as "near Tatum" (station 08022000).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 190.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, at site 12.4 mi upstream at datum 14.18 ft higher. Prior to Sept. 21, 1945, non-recording gage.

REMARKS.--No estimated daily discharges. Records good. Eight major upstream reservoirs, with a combined capacity of 1,701,000 acre-ft, largely regulate the flow. There are several diversions above this station and below Lake Tawakoni for municipal, industrial and for oil field operations. Low flows are sustained by sewage effluents that are returned to the river above the station. For statement regarding regulation by Soil Conservation Service flood-

water-retarding structures, see station 08018500. A rain gage and gage-height telemeter are located at station.

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 1984, 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) and at Logansport, La. (08022500).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	6270	2470	2290	2240	9570	4030	605	5080	494	8180	203
2	160	6530	2490	2070	2070	10700	3540	572	3560	444	7910	225
3	150	6770	2340	1770	1870	11500	3000	1390	2670	378	7360	294
4	144	6710	1900	1410	1630	11500	2460	3110	2390	327	6090	250
5	135	5940	1600	1130	1440	11400	2020	3740	2400	289	3410	220
6	124	3730	1360	958	1320	11500	1750	3530	2490	262	1510	196
7	122	1730	1220	844	1210	11700	1540	3360	2410	254	963	214
8	128	1070	1290	844	1110	11900	1380	3130	2150	226	1090	208
9	289	818	1540	905	1040	12000	1330	2950	1830	209	1650	179
10	872	705	1800	891	1080	12200	1270	2840	1620	214	1620	172
11	778	684	2090	807	1810	12300	1280	2880	1610	217	738	166
12	451	797	2390	837	2230	12000	2570	3030	1350	307	533	150
13	357	768	2730	1010	2050	11500	3510	2820	1170	533	448	149
14	411	760	3110	1130	1710	10900	3490	2920	1060	454	393	136
15	402	1260	3280	1200	1700	10300	3220	6010	910	870	362	138
16	356	1860	3380	1230	1660	9660	3290	8530	821	3670	312	128
17	330	4280	3550	1230	1510	8980	3230	9140	803	4760	282	132
18	325	4240	3720	1250	1390	8440	3140	8470	777	4310	252	127
19	323	2610	3880	1190	1290	8040	2970	7450	675	4220	230	128
20	453	1900	4010	1100	1350	7750	2520	6340	664	4450	162	117
21	1590	2040	4110	1050	4090	7580	1870	5750	667	4830	259	106
22	3020	2210	4180	1090	6910	7430	1330	5610	923	5170	364	113
23	3610	2400	4190	1210	10200	7300	1070	5690	896	5570	355	102
24	3940	2650	4170	1220	11800	7160	932	5860	804	6010	375	111
25	4290	2820	4100	1140	11800	6940	856	6080	997	6440	274	112
26	4630	2990	3950	1210	11200	6420	807	6230	810	6890	264	109
27	4910	2970	3720	1730	10400	5380	751	6290	615	7340	286	124
28	5160	2730	3400	2780	9650	5110	687	6300	537	7730	320	109
29	5440	2530	3050	2840	---	4990	623	6290	518	8050	252	107
30	5710	2460	2750	2610	---	4550	575	6330	530	8210	206	102
31	6000	---	2500	2450	---	4340	---	6040	---	8270	176	---
TOTAL	54775	85232	90270	43426	107760	281040	61041	149287	43737	101398	46626	4627
MEAN	1767	2841	2912	1401	3849	9066	2035	4816	1458	3271	1504	154
MAX	6000	6770	4190	2840	11800	12300	4030	9140	5080	8270	8180	294
MIN	122	684	1220	807	1040	4340	575	572	518	209	162	102
AC-FT	108600	169100	179100	86140	213700	557400	121100	296100	86750	201100	92480	9180

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1994#, BY WATER YEAR (WY)

MEAN	576	1586	3132	3025	3873	4375	3906	4848	2935	983	318	431
MAX	4325	8221	9866	10960	11930	12240	11330	21010	11580	3834	1725	3434
(WY)	1974	1975	1975	1992	1975	1992	1990	1966	1989	1992	1979	1974
MIN	42.5	82.1	144	239	448	445	355	317	77.5	32.1	36.7	33.8
(WY)	1964	1964	1966	1964	1964	1967	1971	1972	1971	1964	1969	1985

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1961 - 1994#

ANNUAL TOTAL	1323751			1069219								
ANNUAL MEAN	3627			2929						2492		
HIGHEST ANNUAL MEAN										4857		1992
LOWEST ANNUAL MEAN										311		1964
HIGHEST DAILY MEAN	33300	Jun 22		12300	Mar 11					48100	May 2	1966
LOWEST DAILY MEAN	62	Sep 14		102	Sep 23					2.4	Aug 11	1964
ANNUAL SEVEN-DAY MINIMUM	69	Sep 9		110	Sep 20					3.8	Aug 7	1964
INSTANTANEOUS PEAK FLOW				12300	Mar 11					49400	May 2	1966
INSTANTANEOUS PEAK STAGE				25.71	Mar 11					38.87	Mar 30	1989
ANNUAL RUNOFF (AC-FT)	2626000			2121000						1805000		
10 PERCENT EXCEEDS	8950			7500						7230		
50 PERCENT EXCEEDS	3090			1750						880		
90 PERCENT EXCEEDS	122			209						84		

Period of regulated streamglow.

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.--Gage-height record March 1968 to current year. Daily discharge record July 1903 to February 1968.

REVISED RECORDS.--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft above National Geodetic Vertical Datum of 1929. July 1, 1903, to Sept. 30, 1956, nonrecording gage, Oct. 1, 1956, to Jan. 16, 1964, water-stage recorder 4,600 ft upstream Jan. 16, 1964, to Dec. 10, 1968, water-stage recorder 4,700 ft upstream. All gages to present datum except prior to Dec. 31, 1906 when datum was 2.00 ft lower.

REMARKS.--Gage-height records good, except those for missing periods, which were not published. Station discontinued as a daily streamflow station on Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Ten major reservoirs, with a combined capacity of 1,824,000 acre-ft, largely regulate the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08018500. Numerous diversions above station for oil field operations, municipal, and industrial uses. Gage-height telemeter at station.

AVERAGE DISCHARGE.--64 years (water years 1904-67), 3,208 ft³/s (2,324,000 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (1968-91), 34.78 ft Apr. 16, 1991; minimum since initial filling of Toledo Bend Reservoir in June 1968, 16.85 ft Nov. 9, 1987. Maximum discharge (1903-67), 92,000 ft³/s Apr. 8, 1945 (gage height, 44.07 ft, from floodmark); minimum, 16 ft³/s Sept. 26-28, Oct. 3, 4, 1939. Maximum stage since at least 1884, that of Apr. 8, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of 39.4 ft, present site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.44 ft Mar. 11 at 1330 hours; minimum, 17.29 ft at 0230 on Oct. 22.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.96	19.48	17.96	18.39	19.98	26.14	23.33	23.02	24.99	23.30	24.05	22.46
2	17.51	19.57	17.93	18.42	19.82	26.14	23.32	23.11	24.88	23.14	24.10	22.61
3	17.60	19.68	18.10	18.15	19.99	26.05	22.70	23.42	24.61	23.10	24.27	22.52
4	17.74	19.86	18.02	18.19	19.82	25.84	22.74	23.63	24.48	23.12	24.23	22.52
5	17.74	19.71	17.92	18.54	19.71	25.90	22.51	23.82	24.47	23.09	24.09	22.64
6	17.72	19.44	17.82	18.12	19.78	25.92	22.55	23.98	24.32	23.00	23.81	22.25
7	17.71	18.54	17.78	17.79	19.88	25.87	22.68	23.96	24.22	23.09	23.67	22.19
8	17.67	17.99	17.72	18.06	19.91	25.75	22.81	23.90	24.30	22.97	24.01	22.06
9	17.54	17.81	18.08	18.18	19.67	26.06	22.81	23.91	24.32	22.90	24.09	21.90
10	17.72	17.73	17.86	18.07	21.42	26.34	22.87	23.95	24.23	22.95	23.97	21.83
11	17.82	17.77	17.95	18.08	22.83	26.35	22.87	24.03	24.13	22.78	23.92	21.79
12	17.87	17.76	18.28	18.06	22.51	26.20	22.86	24.06	24.16	22.98	23.75	21.74
13	17.79	17.78	18.10	18.07	22.27	26.10	23.11	24.24	24.08	23.00	23.65	21.68
14	17.91	17.80	18.26	18.11	22.11	26.07	23.28	24.43	24.11	22.74	23.67	21.63
15	17.88	17.81	18.43	18.22	21.90	26.02	23.23	24.46	23.99	22.86	23.45	21.52
16	17.84	17.86	18.56	18.44	21.78	25.90	23.47	24.74	23.90	22.91	23.43	21.43
17	17.82	18.35	18.59	18.27	21.67	25.88	23.48	24.90	23.77	23.15	23.38	21.35
18	18.00	19.00	18.59	18.34	21.75	25.60	23.39	25.19	23.69	23.33	23.45	21.32
19	18.02	18.80	18.75	18.47	21.72	25.50	23.27	25.46	23.70	23.33	23.33	21.27
20	17.84	18.28	18.58	18.26	21.74	25.26	23.23	25.56	23.64	23.44	23.38	21.16
21	17.65	18.10	18.78	18.29	22.19	24.95	23.11	25.47	23.65	23.53	23.27	21.12
22	17.90	18.07	18.75	18.30	23.44	24.82	23.13	25.22	23.75	23.46	23.48	20.62
23	18.29	18.12	18.87	18.34	24.02	24.70	23.08	25.03	23.80	23.49	23.45	21.00
24	18.47	17.99	18.86	18.44	24.66	24.40	23.18	24.91	23.52	23.62	23.40	20.71
25	18.54	17.95	18.86	18.50	24.91	24.36	23.22	24.94	23.67	23.74	23.32	20.74
26	18.61	17.99	19.02	18.69	25.52	24.35	23.14	24.79	23.69	23.73	23.32	20.66
27	18.72	18.16	18.91	19.83	25.90	23.97	23.19	24.78	23.58	23.61	23.12	20.59
28	19.00	18.12	18.64	20.67	25.91	23.83	23.04	24.82	23.42	23.73	22.78	20.48
29	18.90	18.03	18.58	20.96	---	23.84	23.10	24.99	23.39	23.84	22.72	20.43
30	18.81	17.99	18.53	20.59	---	23.46	22.78	24.88	23.25	23.86	22.70	20.36
31	19.21	---	18.55	20.24	---	23.42	---	24.91	---	23.98	22.58	---
MAX	19.21	19.86	19.02	20.96	25.91	26.35	23.48	25.56	24.99	23.98	24.27	22.64
MIN	17.51	17.73	17.72	17.79	19.67	23.42	22.51	23.02	23.25	22.74	22.58	20.36

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.—Lat 31°58'45", long 93°56'02", in SW 1/4 SE 1/4 sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi upstream from Bayou Castor, 2.9 mi west of Stanley, and 3.2 mi east of Loganport.

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.—Estimated daily discharges. Records fair, except those for periods of indefinite stage-discharge relationship, Dec. 24 to Jan. 10, 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)
Jan. 28	2400	1,270	11.02	Feb. 23	1930	1,450	11.24
Feb. 11	1300	*3,180	*12.70	Mar. 10	2200	933	10.52

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.15	.72	e.31	38	241	4.8	5.0	7.4	2.0	.00	.42
2	.00	.11	.72	e.30	23	568	3.9	5.1	5.3	10	e.00	.59
3	.00	.21	.77	e.29	17	622	3.5	158	4.2	5.7	e.00	.51
4	.00	.26	6.8	e.28	15	322	3.0	180	3.6	3.2	e.00	.41
5	.00	.21	14	e.28	14	92	3.4	43	3.1	2.0	e.00	.25
6	.00	.16	3.8	e.27	13	49	4.7	11	2.3	1.3	e1.0	.10
7	.00	.12	1.2	e.27	12	32	8.3	6.0	1.9	.89	e5.0	.09
8	.00	.11	.89	e.26	12	25	7.4	4.5	1.6	.64	e80	.01
9	.00	.18	.80	e.25	13	286	4.3	4.2	1.4	1.4	139	.00
10	.00	.20	.75	e.25	656	777	3.3	6.2	57	2.5	61	.00
11	.00	.21	.69	5.4	2560	683	2.7	10	163	1.3	6.3	.00
12	.08	.24	.66	46	1320	255	76	12	191	.80	2.6	.00
13	.21	.25	1.3	24	673	61	187	9.8	100	.63	1.5	.00
14	.15	.44	5.8	3.2	325	33	109	144	19	3.3	.97	.00
15	.08	.82	5.2	1.4	101	21	20	193	8.1	2.3	.72	.00
16	.03	2.2	1.3	.96	60	16	120	83	5.2	1.7	.53	.00
17	.00	2.0	.91	1.1	49	12	267	35	3.9	1.1	.29	.00
18	.00	3.4	.82	4.7	34	9.2	194	25	3.2	.64	.09	.00
19	.00	1.1	.74	3.7	25	8.0	27	16	4.7	.39	.00	.00
20	.14	.80	.71	1.3	43	7.1	11	10	4.7	.18	.06	.00
21	.44	.67	.71	.91	336	6.6	24	6.7	3.5	.01	4.5	.00
22	.46	.58	.73	.81	604	5.6	32	5.2	12	.05	88	.00
23	.73	.51	.77	.75	1300	5.1	7.2	4.3	40	.05	42	.00
24	.58	.51	e.58	.71	945	4.9	5.1	3.5	16	.00	5.6	.00
25	.44	.49	e.48	.71	431	4.8	4.8	3.0	7.8	.00	2.7	.00
26	.35	.50	e.44	.79	107	4.7	3.4	3.0	4.3	.00	1.7	.00
27	.30	.59	e.40	167	48	11	2.6	3.5	2.9	.00	1.3	.00
28	.25	.74	e.37	886	30	44	2.4	4.0	2.1	.00	1.1	.00
29	.21	.73	e.35	975	—	48	2.0	6.1	1.6	.00	1.0	.00
30	.21	.73	e.33	434	—	15	4.1	9.4	1.3	.00	.73	.00
31	.17	—	e.32	90	—	6.9	—	8.6	—	.00	.58	—
TOTAL	4.83	19.22	54.06	2651.20	9804	4275.9	1147.9	1018.1	682.1	42.08	448.27	2.38
MEAN	.16	.64	1.74	85.5	350	138	38.3	32.8	22.7	1.36	14.5	.079
MAX	.73	3.4	14	975	2560	777	267	193	191	10	139	.59
MIN	.00	.11	.32	.25	12	4.7	2.0	3.0	1.3	.00	.00	.00
AC-FT	9.6	38	107	5260	19450	8480	2280	2020	1350	83	889	4.7
CFSM	.00	.01	.02	1.18	4.83	1.90	.53	.45	.31	.02	.20	.00
IN.	.00	.01	.03	1.36	5.03	2.19	.59	.52	.35	.02	.23	.00

e Estimated

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1994, BY WATER YEAR (WY)

MEAN	15.4	38.9	108	126	232	108	95.7	108	102	22.8	2.61	.93
MAX	128	220	376	450	514	252	451	388	433	290	14.5	6.12
(WY)	1985	1987	1983	1991	1987	1993	1991	1990	1989	1989	1994	1991
MIN	.000	.068	.036	.39	2.36	.97	.49	.54	.053	.000	.000	.000
(WY)	1991	1982	1982	1981	1981	1986	1981	1988	1984	1984	1985	1982

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1981 - 1994	
ANNUAL TOTAL	24152.11		20150.04			
ANNUAL MEAN	66.2		55.2		79.1	
HIGHEST ANNUAL MEAN					156	
LOWEST ANNUAL MEAN					14.4	
HIGHEST DAILY MEAN	1390	Mar 13	2560	Feb 11	6230	May 18 1989
LOWEST DAILY MEAN	0	many days	0	many days	0	many days
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 21	.00	Oct 1	.00	Oct 1 1980
INSTANTANEOUS PEAK FLOW			3180	Feb 11	9450	May 18 1989
INSTANTANEOUS PEAK STAGE	12.70		Feb 11	15.37		May 18 1989
INSTANTANEOUS LOW FLOW			.00	many days	0	at times most
						years
ANNUAL RUNOFF (AC-FT)	47910		39970		57300	
ANNUAL RUNOFF (CFSM)	.91		.76		1.09	
ANNUAL RUNOFF (INCHES)	12.39		10.34		14.82	
10 PERCENT EXCEEDS	239		100		170	
50 PERCENT EXCEEDS	3.7		2.0		3.9	
90 PERCENT EXCEEDS	.00		.00		.00	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.95	3.36	3.75	3.73	4.68	7.16	3.81	3.72	3.60	3.18	2.73	3.06
2	2.93	3.33	3.75	3.85	4.30	9.67	3.74	3.73	3.47	3.73	—	3.09
3	2.93	3.40	3.78	3.83	4.10	9.86	3.71	6.54	3.40	3.49	—	3.08
4	2.92	3.43	4.64	3.82	4.01	8.10	3.67	6.91	3.35	3.31	—	3.06
5	2.90	3.39	5.09	3.80	3.97	5.86	3.70	4.89	3.30	3.20	—	3.03
6	2.89	3.36	4.38	3.79	3.94	5.13	3.80	3.98	3.23	3.11	—	3.01
7	2.88	3.34	3.99	3.78	3.92	4.75	4.00	3.70	3.19	3.05	—	3.01
8	2.87	3.33	3.87	3.77	3.90	4.55	3.97	3.57	3.15	3.00	—	2.99
9	3.05	3.37	3.81	3.75	3.92	7.46	3.77	3.54	3.12	3.10	6.37	2.98
10	3.13	3.39	3.77	3.75	8.98	10.23	3.69	3.64	4.43	3.25	5.10	2.96
11	3.11	3.40	3.73	4.23	12.24	9.98	3.64	3.84	6.55	3.11	3.62	2.95
12	3.22	3.41	3.71	6.07	11.04	7.57	5.45	3.90	6.86	3.03	3.36	2.94
13	3.40	3.42	3.96	5.40	9.97	5.44	7.07	3.76	5.67	3.00	3.23	2.93
14	3.36	3.56	4.59	4.32	8.08	4.85	6.04	6.29	4.06	3.33	3.16	2.92
15	3.30	3.82	4.52	4.04	5.88	4.54	4.44	6.89	3.64	3.23	3.12	2.91
16	3.27	4.19	4.02	3.92	5.25	4.34	6.15	5.43	3.46	3.16	3.08	2.90
17	3.23	4.17	3.89	3.98	5.02	4.18	7.75	4.52	3.37	3.08	3.04	2.88
18	3.22	4.36	3.82	4.47	4.70	4.07	6.92	4.27	3.31	3.00	3.00	2.85
19	3.20	3.98	3.77	4.39	4.44	4.00	4.57	3.98	3.42	2.96	2.97	2.82
20	3.33	3.81	3.75	4.03	4.74	3.95	4.02	3.73	3.43	2.92	2.95	2.80
21	3.56	3.72	3.75	3.89	8.21	3.92	4.40	3.56	3.34	2.89	3.49	2.77
22	3.57	3.66	3.76	3.82	9.58	3.86	4.68	3.47	3.66	2.89	5.58	2.75
23	3.76	3.60	3.79	3.77	11.04	3.83	3.86	3.40	4.65	2.90	4.71	2.74
24	3.65	3.60	3.79	3.75	10.50	3.82	3.73	3.34	3.99	2.86	3.59	2.72
25	3.56	3.59	3.82	3.75	8.87	3.81	3.70	3.30	3.62	2.82	3.37	2.70
26	3.50	3.60	3.79	3.79	6.05	3.80	3.60	3.29	3.40	2.79	3.26	2.68
27	3.46	3.67	3.75	7.08	5.10	4.07	3.53	3.34	3.28	2.78	3.22	2.67
28	3.42	3.77	3.74	10.32	4.68	5.10	3.51	3.38	3.21	2.76	3.18	2.65
29	3.40	3.76	3.74	10.56	—	5.20	3.47	3.52	3.15	2.74	3.17	2.64
30	3.40	3.76	3.73	8.80	—	4.29	3.64	3.71	3.11	2.72	3.12	2.62
31	3.37	—	3.73	5.60	—	3.94	—	3.66	—	2.74	3.09	—
MAX	3.76	4.36	5.09	10.56	12.24	10.23	7.75	6.91	6.86	3.73	—	3.09
MIN	2.87	3.33	3.71	3.73	3.90	3.80	3.47	3.29	3.11	2.72	—	2.62

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.—Estimated daily discharges. Indefinite stage-discharge relationship, July 23 to Aug 6, Aug 26, 28, Sep 6-7, 9-10. Records fair. Several measurements of water temperature were made during the year.

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)
Feb. 11	1100	*2,330	16.28	Feb. 23	1600	2,070	16.17

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.01	.00	16	158	17	15	8.3	14	e3.4	2.3
2	.00	.00	.01	.00	14	511	16	13	6.6	40	e3.3	2.0
3	.00	.01	.05	.00	12	484	15	92	8.3	15	e3.2	1.7
4	.00	.06	.16	.00	11	149	14	99	7.3	11	e3.1	1.6
5	.00	.08	1.1	.00	11	77	15	31	6.3	10	e3.0	1.5
6	.00	.05	.55	.00	10	58	24	19	5.2	10	e2.9	e1.4
7	.00	.01	.18	.00	9.9	47	22	14	5.1	9.8	2.7	e1.3
8	.00	.00	.05	.00	9.6	42	17	23	6.7	13	127	1.8
9	.00	.02	.01	.00	11	284	14	24	7.3	17	266	e1.5
10	.00	.01	.09	.00	627	714	13	21	7.8	19	85	e1.2
11	.00	.02	.33	.00	1780	588	14	28	8.8	14	7.1	1.5
12	.00	.02	.34	.07	907	153	36	24	10	27	4.8	2.8
13	.00	.03	.74	.12	408	71	61	16	11	30	4.0	1.8
14	.00	.29	4.4	.00	100	55	26	31	14	13	3.7	1.5
15	.00	.80	2.1	.00	53	45	21	56	8.7	11	3.4	1.2
16	.00	4.1	.08	.00	40	38	204	25	7.9	9.4	3.2	1.3
17	.00	14	.00	4.3	31	33	374	22	44	7.8	2.9	1.5
18	.00	21	.00	13	26	29	83	33	40	6.6	2.8	1.1
19	.00	2.2	.00	4.6	23	27	33	18	16	6.7	3.3	.76
20	.00	1.1	.00	1.8	36	24	23	12	14	6.2	3.4	.63
21	.00	.34	.00	1.1	242	23	19	9.5	8.2	5.6	15	.52
22	.00	.64	.00	.81	507	21	17	7.5	45	5.4	75	.44
23	.00	.56	.00	.68	1550	20	15	7.8	107	e5.0	7.2	.34
24	.00	.54	.00	.50	936	19	14	6.7	23	e4.7	3.5	.30
25	.00	.50	.00	.46	330	18	14	6.4	11	e4.4	2.8	.26
26	.00	.36	.00	1.6	91	18	13	5.5	7.7	e4.2	e2.5	.18
27	.00	.27	.00	49	60	19	11	5.2	7.4	e4.0	2.3	.11
28	.00	.18	.00	289	47	42	10	4.8	8.2	e3.9	e2.1	.05
29	.00	.13	.00	186	--	40	9.8	17	9.0	e3.7	2.6	.00
30	.03	.05	.00	37	--	25	13	24	11	e3.6	2.7	.00
31	.02	--	.00	21	--	19	--	17	--	e3.5	2.6	--
TOTAL	0.05	47.37	10.20	611.04	7898.5	3851	1177.8	727.4	480.8	338.5	656.5	32.59
MEAN	.002	1.58	.33	19.7	282	124	39.3	23.5	16.0	10.9	21.2	1.09
MAX	.03	21	4.4	289	1780	714	374	99	107	40	266	2.8
MIN	.00	.00	.00	.00	9.6	18	9.8	4.8	5.1	3.5	2.1	.00
AC-FT	.1	94	20	1210	15670	7640	2340	1440	954	671	1300	65
CFSM	.00	.02	.00	.25	3.52	1.55	.49	.29	.20	.14	.26	.01
IN.	.00	.02	.00	.28	3.66	1.79	.55	.34	.22	.16	.30	.02

e Estimated

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1994, BY WATER YEAR (WY)

MEAN	5.72	39.4	114	137	240	149	141	137	92.2	19.6	6.77	10.4
MAX	41.3	305	478	448	592	330	544	530	573	288	64.7	85.0
(WY)	1986	1987	1983	1979	1983	1989	1991	1983	1989	1989	1991	1991
MIN	.000	.000	.000	.18	1.76	12.5	1.50	2.11	.000	.000	.000	.000
(WY)	1981	1981	1981	1981	1981	1981	1981	1988	1988	1978	1980	1980

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1978 - 1994	
ANNUAL TOTAL	25227.31		15831.75		90.1	
ANNUAL MEAN	69.1		43.4		190	
HIGHEST ANNUAL MEAN					10.6	
LOWEST ANNUAL MEAN					1989	
HIGHEST DAILY MEAN	1980	Apr 8	1780	Feb 11	10700	May 18 1989
LOWEST DAILY MEAN	0	many days	0	many days	0	most years
ANNUAL SEVEN-DAY MINIMUM	0	many days	0	many days	0	most years
INSTANTANEOUS PEAK FLOW			2330		21300	
INSTANTANEOUS PEAK STAGE			16.28		21.19	
INSTANTANEOUS LOW FLOW			0		0	
					at times most years	
ANNUAL RUNOFF (AC-FT)	50040		31400		65300	
ANNUAL RUNOFF (CFSM)	.86		.54		1.12	
ANNUAL RUNOFF (INCHES)	11.70		7.34		15.27	
10 PERCENT EXCEEDS	169		57		199	
50 PERCENT EXCEEDS	2.5		5.4		6.3	
90 PERCENT EXCEEDS	.00		.00		.00	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.51	7.11	7.64	7.61	7.95	11.11	7.62	7.50	7.43	7.85	7.77	7.87
2	6.47	7.10	7.65	7.64	7.79	14.61	7.56	7.36	7.29	8.93	7.77	7.86
3	6.46	7.10	7.67	7.62	7.69	14.45	7.49	10.15	7.43	7.90	7.78	7.85
4	6.42	7.14	7.72	7.63	7.62	11.41	7.45	10.38	7.35	7.67	7.79	7.85
5	6.39	7.15	7.93	7.63	7.59	9.94	7.47	8.35	7.27	7.57	7.79	7.86
6	6.35	7.13	7.85	7.63	7.56	9.36	7.99	7.72	7.16	7.57	7.78	7.92
7	6.32	7.12	7.73	7.65	7.53	9.01	7.92	7.44	7.16	7.58	7.78	7.93
8	6.29	7.10	7.66	7.67	7.51	8.82	7.61	7.89	7.30	7.79	10.85	7.96
9	6.32	7.12	7.63	7.65	7.56	12.17	7.45	8.00	7.36	8.05	13.23	7.95
10	6.32	7.11	7.69	7.63	14.21	15.32	7.38	7.85	7.40	8.17	10.18	7.93
11	6.29	7.12	7.79	7.66	16.03	14.86	7.41	8.21	7.47	7.90	8.06	7.94
12	6.27	7.12	7.80	7.79	15.49	11.39	8.51	8.01	7.56	8.43	7.82	8.12
13	6.25	7.13	7.90	7.98	14.17	9.75	9.42	7.56	7.62	8.57	7.73	7.99
14	6.23	7.23	8.29	7.73	10.72	9.27	8.10	8.26	7.81	7.81	7.68	7.93
15	6.21	7.39	8.07	7.61	9.57	8.92	7.81	9.26	7.47	7.71	7.65	7.87
16	6.19	7.94	7.67	7.56	9.10	8.66	12.00	8.11	7.40	7.71	7.61	7.89
17	6.17	8.36	7.53	8.09	8.76	8.42	13.83	7.94	8.97	7.59	7.58	7.96
18	6.15	8.78	7.45	8.66	8.52	8.26	9.92	8.51	8.85	7.48	7.56	7.89
19	6.13	7.74	7.39	8.07	8.35	8.15	8.43	7.78	7.92	7.50	7.63	7.83
20	6.18	7.56	7.39	7.70	8.78	8.04	7.97	7.40	7.83	7.50	7.64	7.81
21	6.26	7.40	7.39	7.55	12.88	7.96	7.74	7.28	7.42	7.46	8.32	7.80
22	6.26	7.53	7.51	7.48	14.47	7.87	7.62	7.15	8.70	7.46	10.21	7.78
23	6.24	7.55	7.52	7.45	15.92	7.77	7.52	7.20	10.60	7.49	8.03	7.76
24	6.22	7.58	7.55	7.40	15.49	7.71	7.44	7.14	8.28	7.48	7.66	7.74
25	6.20	7.61	7.55	7.36	13.27	7.68	7.41	7.14	7.63	7.50	7.56	7.72
26	6.18	7.62	7.55	7.40	10.30	7.65	7.34	7.08	7.39	7.58	7.62	7.69
27	6.16	7.63	7.52	8.98	9.42	7.75	7.22	7.08	7.36	7.63	7.58	7.65
28	6.14	7.63	7.50	13.46	9.01	8.78	7.16	7.07	7.43	7.67	7.67	7.62
29	6.94	7.64	7.52	12.03	—	8.73	7.14	7.95	7.49	7.73	7.75	7.59
30	7.12	7.64	7.59	8.97	—	8.04	7.38	8.29	7.66	7.76	7.82	7.56
31	7.12	—	7.59	8.25	—	7.74	—	7.99	—	7.77	7.86	—
MAX	7.12	8.78	8.29	13.46	16.03	15.32	13.83	10.38	10.60	8.93	13.23	8.12
MIN	6.13	7.10	7.39	7.36	7.51	7.65	7.14	7.07	7.16	7.46	7.56	7.56

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 National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority). Prior to July 20, 1967, nonrecording gage at same site and datum. July 20, 1967, to June 30, 1973, recording gage at right end of spillway 1.6 mi north of present site and at same datum.

REMARKS.--The reservoir is formed by a rolled earthfill dam. Closure of embankment completed and deliberate impoundment 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)	Capacity (acre-feet)
Top of dam.....	185.0	-
Design flood.....	175.3	5,102,000
Top of gates.....	173.0	4,660,000
Top of power drawdown storage.....	172.0	4,476,000
Top of power head storage.....	162.2	2,922,000
Crest of spillway (controlled).....	145.0	1,162,000
Lowest gated outlet (invert).....	100.0	4,090

COOPERATION.--Capacity table furnished by the Sabine River Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,840,000 acre-ft May 18, 1989 (elevation, 173.95 ft); minimum since initial filling of reservoir in June 1968, 3,290,000 acre-ft Nov. 14, 15, 1987 (elevation, 164.78 ft).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,498,000 acre-ft May 30 at 0700 hours (elevation, 172.12 ft); minimum, 3,290,000 acre-ft Oct. 20 (elevation, 164.78 ft).

Capacity table (elevation, in feet, and total contents, in acre-feet)

164.0	3,175,000	168.0	3,788,000	172.0	4,476,000
166.0	3,473,000	170.0	4,123,000	173.0	4,660,000

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3318000	3352000	3349000	3413000	3641000	4203000	4113000	4243000	4476000	4335000	4267000	4160000
2	3325000	3352000	3345000	3408000	3646000	4194000	4072000	4333000	4478000	4333000	4276000	4163000
3	3336000	3375000	3352000	3408000	3646000	4208000	4070000	4301000	4474000	4326000	4281000	4158000
4	3322000	3378000	3370000	3413000	3654000	4210000	4070000	4318000	4458000	4310000	4299000	4140000
5	3322000	3420000	3370000	3394000	3665000	4210000	4149000	4331000	4458000	4304000	4315000	4130000
6	3318000	3397000	3364000	3413000	3665000	4213000	4130000	4336000	4449000	4292000	4310000	4120000
7	3306000	3382000	3358000	3428000	3665000	4227000	4113000	4344000	4438000	4281000	4311000	4094000
8	3303000	3381000	3352000	3397000	3674000	4245000	4108000	4363000	4421000	4281000	4383000	4072000
9	3345000	3378000	3352000	3390000	3732000	4331000	4121000	4369000	4401000	4287000	4381000	4053000
10	3325000	3367000	3384000	3397000	3806000	4333000	4106000	4370000	4422000	4290000	4374000	4038000
11	3318000	3352000	3382000	3413000	3846000	4347000	4120000	4381000	4415000	4278000	4367000	4023000
12	3315000	3349000	3349000	3413000	3928000	4351000	4158000	4386000	4421000	4273000	4354000	4007000
13	3313000	3336000	3405000	3414000	3953000	4351000	4154000	4383000	4422000	4266000	4351000	3999000
14	3310000	3376000	3404000	3413000	3965000	4349000	4161000	4431000	4410000	4264000	4351000	3987000
15	3306000	3366000	3405000	3410000	3985000	4351000	4210000	4440000	4415000	4260000	4333000	3982000
16	3300000	3413000	3410000	3426000	3980000	4345000	4219000	4444000	4419000	4250000	4317000	3973000
17	3304000	3404000	3414000	3455000	3970000	4317000	4220000	4458000	4417000	4252000	4297000	3961000
18	3300000	3390000	3413000	3444000	3955000	4327000	4227000	4460000	4410000	4257000	4278000	3946000
19	3288000	3435000	3414000	3443000	3941000	4311000	4233000	4465000	4404000	4250000	4260000	3932000
20	3322000	3402000	3444000	3446000	3965000	4301000	4234000	4476000	4404000	4245000	4276000	3913000
21	3327000	3387000	3420000	3444000	3970000	4302000	4240000	4469000	4395000	4245000	4276000	3900000
22	3322000	3382000	3458000	3447000	4041000	4283000	4245000	4472000	4386000	4245000	4266000	3897000
23	3318000	3381000	3426000	3444000	4121000	4262000	4238000	4472000	4385000	4245000	4259000	3882000
24	3318000	3404000	3431000	3447000	4108000	4278000	4226000	4471000	4383000	4247000	4245000	3857000
25	3322000	3397000	3420000	3458000	4140000	4248000	4213000	4460000	4365000	4247000	4231000	3841000
26	3325000	3382000	3410000	3468000	4142000	4227000	4215000	4472000	4365000	4264000	4220000	3828000
27	3334000	3364000	3414000	3555000	4140000	4260000	4213000	4478000	4360000	4259000	4210000	3816000
28	3322000	3360000	3429000	3574000	4128000	4207000	4213000	4474000	4354000	4250000	4208000	3808000
29	3404000	3352000	3434000	3597000	---	4175000	4217000	4493000	4351000	4252000	4193000	3803000
30	3385000	3352000	3425000	3614000	---	4175000	4248000	4493000	4335000	4257000	4175000	3800000
31	3352000	---	3414000	3639000	---	4147000	---	4494000	---	4264000	4173000	---
MAX	3404000	3435000	3458000	3639000	4142000	4351000	4248000	4494000	4478000	4335000	4383000	4163000
MIN	3288000	3336000	3345000	3390000	3641000	4147000	4070000	4243000	4335000	4245000	4173000	3800000
(+)	165.20	165.20	165.61	167.07	170.03	170.14	170.72	172.10	171.21	170.81	170.29	168.07
(@)	+28000	0	+62000	+225000	+489000	+19000	+101000	+246000	-159000	-71000	-91000	-373000

CAL YR 1993MAX 4642000MIN 3288000(@) -694000

WTR YR 1994MAX 4494000MIN 3288000(@) +476000

(+) 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.--October 1971 to current year. Water-quality records.--Chemical and biochemical analyses: October 1967 to September 1986.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority).

REMARKS.--No estimated daily discharges. Records poor. 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 pressure 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 114,000 ft³/s May 19, 1989; minimum daily (estimated), 30 ft³/s Oct. 1-4, 1972.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	1540	4200	4010	167	15200	e15800	204	e6400	3720	4030	e6000
2	769	3320	4250	4010	174	15200	e16000	204	e6670	3930	4030	e6330
3	144	4490	174	3950	174	15200	e16000	204	e6300	204	3950	3540
4	782	4470	4230	764	174	15300	8190	204	e6200	3940	4220	e6000
5	1140	4520	4290	1550	831	e15000	204	204	e6780	4040	4000	6790
6	1140	4320	4060	1620	204	e14900	204	1860	e6180	4100	4010	e9200
7	1900	4350	4180	1550	204	e14400	204	204	e6810	4290	204	e9400
8	1560	4050	4120	1550	204	e14500	204	204	e6760	3880	e6500	e9400
9	174	4370	155	1620	204	e14900	204	3390	e7040	3440	6770	e9900
10	174	4390	153	1350	204	e15100	204	3520	e7040	204	e6700	7340
11	1700	4420	3850	1620	204	e15200	204	1650	4010	3860	e6500	7540
12	1620	4350	3860	921	204	e15500	2340	1700	4110	3170	e6200	5460
13	1670	4230	886	926	204	e15400	2920	1780	4080	4240	3290	e4700
14	1640	4180	174	883	204	e15100	2960	174	3420	3960	204	e4300
15	1650	4190	3910	915	4560	e15000	2790	174	4180	4000	e6000	e5220
16	174	2680	204	1010	7220	e15000	2880	4010	4110	3910	e6200	e4450
17	174	174	3910	936	7140	e14400	2960	e6360	4210	204	e6450	e6290
18	1690	1770	3900	1490	7270	e14900	2860	e6320	4100	3440	e6200	4540
19	1620	6270	3870	2290	7460	e15000	2860	e6200	4260	4240	e6100	e4400
20	1730	4120	3970	1180	7160	e15100	2860	e6000	4210	4450	3510	e5000
21	1630	4300	3470	942	7110	e15000	2820	e5950	4130	3650	204	4620
22	1570	4150	3940	174	7180	e14900	2890	e5980	4100	3960	e6270	e5000
23	174	4310	4190	657	7280	e14800	2750	e6000	4260	4060	e6280	4990
24	174	4280	3850	923	12100	e15500	2860	e6000	4010	204	e6100	e3100
25	1610	4300	3910	923	15200	e15300	2820	e6100	204	e3130	e6260	e3030
26	1630	4270	3910	974	15200	e15000	2770	e6410	204	e3000	e6180	e4280
27	1670	4110	2180	174	15300	e14700	2990	e6390	3750	e3270	3580	e3580
28	1620	4190	4250	174	15200	e15000	2920	e6400	4020	e3400	287	e4090
29	1640	4260	4050	174	---	e15000	3150	e6400	3960	e3500	e6200	e4080
30	174	4250	4010	174	---	e15700	204	e6380	3730	3390	e6100	e4140
31	174	---	4210	174	---	e15700	---	e6380	---	204	e6300	---
TOTAL	34657	118624	100316	39608	138736	466900	109022	112956	139238	98990	148829	166710
MEAN	1118	3954	3236	1278	4955	15060	3634	3644	4641	3193	4801	5557
MAX	1900	6270	4290	4010	15300	15700	16000	6410	7040	4450	6770	9900
MIN	144	174	153	174	167	14400	204	174	204	204	204	3030
AC-FT	68740	235300	199000	78560	275200	926100	216200	224000	276200	196300	295200	330700

SABINE RIVER MAIN STEM

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1994, BY WATER YEAR (WY)

MEAN	1111	1869	5554	9013	9802	9979	8015	8102	6571	4954	3659	3075
MAX	6809	6567	17720	27680	20510	21450	19270	22170	24960	18790	6732	7323
(WY)	1992	1974	1975	1974	1975	1992	1991	1991	1989	1989	1976	1991
MIN	59.0	50.7	74.5	90.0	339	231	247	311	1999	1004	764	424
(WY)	1976	1976	1976	1978	1981	1972	1978	1984	1982	1988	1984	1983

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1972 - 1994	
ANNUAL TOTAL	2919726		1674586		5959	
ANNUAL MEAN	7999		4588		10070	
HIGHEST ANNUAL MEAN					1588	
LOWEST ANNUAL MEAN					1975	
HIGHEST DAILY MEAN	26300	Apr 9	16000	Apr 2	114000	May 19 1989
LOWEST DAILY MEAN	144	Sep 28	144	Oct 3	30	Oct 1 1972
ANNUAL SEVEN-DAY MINIMUM	296	Sep 25	173	Jan 27	34	Nov 21 1975
ANNUAL RUNOFF (AC-FT)	5791000		3322000		4317000	
10 PERCENT EXCEEDS	15100		14400		14800	
50 PERCENT EXCEEDS	7020		4010		3910	
90 PERCENT EXCEEDS	204		204		130	

eEstimated

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.—Estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

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)
Jan. 27	2100	2,180	13.88	Apr. 12	1400	2,050	12.70
Feb. 23	0630	1,940	13.10	May 4	1130	*3,670	*18.16
Mar. 10	2300	3,190	16.87				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	15	12	22	131	235	54	942	54	19	12	29
2	4.9	11	12	23	106	671	52	392	43	28	11	60
3	5.1	9.6	11	27	91	439	50	2060	38	23	12	29
4	4.6	10	30	25	82	224	48	3330	36	19	13	20
5	4.3	12	54	22	77	166	74	1840	139	17	19	15
6	4.3	14	42	21	75	137	1060	344	168	16	25	12
7	4.4	12	25	20	70	121	808	198	74	15	23	10
8	4.5	9.9	20	19	65	107	219	385	47	16	66	9.0
9	6.5	12	17	18	62	1850	140	970	36	42	106	8.3
10	12	14	31	17	214	2870	114	531	31	25	59	7.7
11	17	19	148	21	762	2390	94	431	28	24	40	32
12	14	15	75	35	452	624	1650	241	29	22	26	42
13	9.5	12	63	47	209	265	1610	165	39	19	19	19
14	8.3	16	139	35	141	204	624	146	49	17	16	12
15	7.2	49	100	28	109	171	208	143	40	16	14	9.5
16	8.1	72	53	24	93	149	338	131	30	78	12	8.0
17	7.6	90	36	183	82	131	297	e110	105	109	12	7.5
18	6.8	81	30	348	74	117	166	e90	138	32	12	7.6
19	6.3	40	27	137	68	108	123	e76	59	22	11	9.4
20	6.5	24	27	76	69	100	112	e66	46	26	10	8.5
21	8.9	18	28	56	413	92	95	e58	64	24	20	7.4
22	10	15	34	46	714	85	87	e52	68	20	45	7.2
23	19	13	57	40	1770	79	163	47	91	18	40	6.5
24	12	13	64	36	1350	75	125	43	54	15	39	6.1
25	9.2	12	45	36	406	72	111	40	39	15	48	5.7
26	7.7	12	35	91	210	68	100	37	30	13	25	5.5
27	7.0	12	29	834	156	66	77	61	25	11	18	5.3
28	6.7	13	28	1710	129	70	68	69	22	10	15	5.3
29	6.9	14	25	1220	---	71	65	64	19	9.7	13	5.2
30	9.1	12	23	330	---	62	224	104	18	10	12	5.1
31	13	---	21	176	---	57	---	90	---	13	13	---
TOTAL	256.4	671.5	1341	5723	8180	11876	8956	13256	1659	743.7	806	414.8
MEAN	8.27	22.4	43.3	185	292	383	299	428	55.3	24.0	26.0	13.8
MAX	19	90	148	1710	1770	2870	1650	3330	168	109	106	60
MIN	4.3	9.6	11	17	62	57	48	37	18	9.7	10	5.1
AC-FT	509	1330	2660	11350	16230	23560	17760	26290	3290	1480	1600	823
CFSM	.06	.15	.29	1.25	1.97	2.59	2.02	2.93	.37	.16	.18	.09
IN.	.06	.17	.34	1.44	2.06	2.99	2.25	3.38	.42	.19	.20	.10

e Estimated.

SABINE RIVER BASIN
08025500 BAYOU TORO NEAR TORO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1994, BY WATER YEAR (WY)

MEAN	47.1	75.0	180	287	325	267	252	211	123	62.6	29.7	55.0
MAX	695	589	1166	1134	1117	789	1354	1223	1202	886	198	928
(WY)	1985	1958	1983	1990	1975	1961	1968	1975	1989	1989	1958	1961
MIN	1.70	5.12	7.96	14.6	23.9	42.4	13.1	9.33	4.14	2.62	.92	.76
(WY)	1964	1982	1982	1981	1981	1956	1981	1963	1971	1956	1956	1956

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1956 - 1994	
ANNUAL TOTAL	53021.9		53883.4			
ANNUAL MEAN	145		148		159	
HIGHEST ANNUAL MEAN					409	
LOWEST ANNUAL MEAN					30.8	
HIGHEST DAILY MEAN	3500	Apr 9	3330	May 4	21600	Apr 9 1968
LOWEST DAILY MEAN	4.0	Sep 13	4.3	Oct 5, 6	.10	Sep 29 1956
ANNUAL SEVEN-DAY MINIMUM	4.4	Sep 8	4.6	Oct 2	.13	Sep 27 1956
INSTANTANEOUS PEAK FLOW			3670	May 4	31200	Apr 9 1968
INSTANTANEOUS PEAK STAGE			18.16	May 4	25.73	Apr 9 1968
INSTANTANEOUS LOW FLOW			4.2	Oct 5, 6, 9	.10	Sep 29, 30, Oct 1, 1956
INSTANTANEOUS LOW STAGE			2.80	Oct 5, 6, 9	2.40	Sep 30, Oct 1, 1956
ANNUAL RUNOFF (AC-FT)	105200		106900		115000	
ANNUAL RUNOFF (CFSM)	.98		1.00		1.07	
ANNUAL RUNOFF (INCHES)	13.33		13.54		14.57	
10 PERCENT EXCEEDS	292		251		300	
50 PERCENT EXCEEDS	34		36		34	
90 PERCENT EXCEEDS	6.5		8.7		5.8	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.86	3.37	3.25	3.57	5.06	5.75	4.20	9.33	4.20	3.48	3.27	3.60
2	2.85	3.23	3.24	3.60	4.83	8.15	4.17	6.72	4.01	3.71	3.23	4.27
3	2.87	3.16	3.22	3.69	4.67	7.03	4.14	13.17	3.93	3.61	3.24	3.76
4	2.83	3.18	3.74	3.64	4.56	5.82	4.11	17.26	3.89	3.49	3.31	3.54
5	2.81	3.27	4.19	3.57	4.51	5.38	4.37	12.64	4.91	3.41	3.49	3.40
6	2.81	3.35	3.99	3.55	4.48	5.12	9.79	6.53	5.36	3.39	3.65	3.32
7	2.81	3.25	3.65	3.51	4.42	4.97	8.71	5.63	4.46	3.35	3.59	3.25
8	2.82	3.17	3.51	3.48	4.35	4.83	5.77	6.56	4.09	3.41	4.27	3.20
9	2.94	3.25	3.42	3.46	4.32	12.23	5.15	9.44	3.90	3.97	4.82	3.17
10	3.19	3.34	3.76	3.44	5.54	15.97	4.90	7.50	3.78	3.65	4.26	3.15
11	3.38	3.48	5.21	3.54	8.57	14.46	4.70	7.00	3.73	3.63	3.97	3.79
12	3.27	3.37	4.46	3.87	7.09	7.85	11.21	5.93	3.74	3.58	3.68	4.04
13	3.11	3.26	4.29	4.08	5.70	6.09	11.18	5.36	3.93	3.50	3.50	3.57
14	3.05	3.35	5.13	3.87	5.16	5.68	7.58	5.20	4.12	3.44	3.39	3.37
15	3.01	4.10	4.75	3.72	4.85	5.42	5.70	5.17	3.96	3.41	3.32	3.25
16	3.05	4.43	4.18	3.63	4.69	5.23	6.50	5.06	3.76	4.14	3.27	3.18
17	3.03	4.66	3.89	5.36	4.56	5.06	6.27	—	4.61	4.78	3.25	3.15
18	2.99	4.54	3.76	6.56	4.47	4.93	5.37	—	5.10	3.80	3.24	3.16
19	2.97	3.95	3.70	5.11	4.39	4.85	4.99	—	4.26	3.57	3.21	3.25
20	2.99	3.62	3.71	4.50	4.41	4.76	4.88	—	4.07	3.66	3.18	3.20
21	3.11	3.45	3.72	4.23	6.86	4.68	4.71	—	4.34	3.61	3.50	3.15
22	3.18	3.35	3.85	4.08	8.22	4.60	4.62	—	4.38	3.50	4.04	3.14
23	3.47	3.31	4.24	3.96	12.50	4.54	5.35	4.08	4.67	3.46	3.95	3.10
24	3.27	3.28	4.34	3.89	10.93	4.48	5.00	4.01	4.19	3.36	3.88	3.08
25	3.14	3.27	4.05	3.89	6.84	4.44	4.87	3.96	3.94	3.36	4.08	3.05
26	3.06	3.26	3.86	4.60	5.72	4.39	4.76	3.91	3.77	3.28	3.64	3.04
27	3.03	3.26	3.75	8.40	5.29	4.37	4.51	4.25	3.65	3.22	3.45	3.03
28	3.01	3.28	3.72	12.27	5.04	4.43	4.39	4.41	3.57	3.19	3.36	3.02
29	3.02	3.33	3.64	10.44	—	4.44	4.35	4.34	3.50	3.16	3.29	3.02
30	3.13	3.25	3.59	6.44	—	4.32	5.36	4.79	3.45	3.18	3.24	3.01
31	3.28	—	3.55	5.46	—	4.24	—	4.64	—	3.29	3.29	—
MAX	3.47	4.66	5.21	12.27	12.50	15.97	11.21	—	5.36	4.78	4.82	4.27
MIN	2.81	3.16	3.22	3.44	4.32	4.24	4.11	—	3.45	3.16	3.18	3.01

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Texas-Vernon Parish, Louisiana State line, Hydrologic Unit 12010005, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft down-stream from Pearl Creek, 10 mi northeast of Burkeville, 16 mi downstream from Bayou Toro, and at mile 139.7.

DRAINAGE AREA.--7,482 mi².

PERIOD OF RECORD.--September 1955 to current year. Published as "below Toledo Bend near Burkeville" for period 1955-75. Water-quality records.--Chemical and biochemical analyses: May 1968 to September 1986. Pesticide analyses: October 1972 to September 1981.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 60.59 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1958, nonrecording gage at current site. Prior to Jan. 1, 1989, at datum 10.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Toledo Bend Reservoir (station 08025350) 16.8 mi upstream, capacity, 4,660,000 acre-ft. National Weather Service rain gage and gage-height telemeters at gage.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--11 years (water years 1956-66) prior to completion of Toledo Bend Reservoir, 4,653 ft³/s (3,371,000 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1956-66).--Maximum discharge, 52,900 ft³/s May 15, 1957 (gage height, 32.43 ft); minimum, 60 ft³/s Sept. 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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	893	766	4270	4320	922	15300	15100	902	6610	4010	2090	6170
2	1060	2490	4300	4460	825	16000	15200	1180	6710	3870	3720	6220
3	493	4090	1730	4500	769	15500	15300	1810	6580	2210	3750	5120
4	369	3600	3040	2420	751	14800	12300	3610	6530	2390	3790	4420
5	992	5220	4410	1890	1150	14500	1600	3590	6420	4030	3900	5720
6	1020	4570	4490	2170	1230	14600	1260	2640	6500	4170	3640	7460
7	1760	4350	4220	2140	843	14500	1710	1410	6530	4170	1960	9260
8	410	2890	4230	2140	857	14500	1110	675	6570	4240	3400	9020
9	1100	5700	1740	1930	784	17700	710	2560	6580	3550	6420	9260
10	376	4310	566	1970	871	19700	613	4320	6680	2290	6550	7250
11	872	4300	3160	1940	1490	18800	566	2920	3980	2460	6520	6450
12	1670	4480	4430	1880	1760	17400	3100	2060	4280	3560	6010	5780
13	1650	4260	2670	1320	1240	16000	5840	2030	3960	3720	5450	4420
14	1820	4420	769	1240	993	15600	4540	1160	3390	4170	1660	4380
15	1490	4410	3270	1200	2900	15500	e4000	561	3630	4130	3300	4570
16	1070	5620	1830	1270	7340	15100	e3700	1930	3840	3880	6230	4890
17	329	912	2900	1690	7750	14800	e3300	6210	4080	2210	6500	5140
18	844	616	4370	1820	7710	15000	e3350	6480	4150	2160	6300	4920
19	1600	6180	4260	2560	7970	15300	e3200	6420	4260	4050	5950	4250
20	1580	4270	4240	1640	7800	15300	e3000	6190	4260	4160	4790	4330
21	1640	4260	3700	1290	8230	15300	2820	6220	4190	4160	1660	4150
22	1530	4350	4030	631	8470	15200	2750	6240	4060	3970	3320	4380
23	1030	4150	4420	905	10600	15100	2720	6360	4070	3920	6300	4340
24	298	4000	4310	1210	12000	15000	2800	6170	4130	2210	6220	3450
25	782	4160	4170	794	15800	14500	2740	6350	2430	2250	6000	3000
26	1560	4090	4050	1230	15400	14600	2720	6580	604	e2800	6670	4190
27	1540	3950	3270	4110	15100	14200	2640	6660	2310	e3600	4750	4010
28	1570	4060	3440	7930	15000	14300	2720	6760	3370	3740	1720	4240
29	1530	4140	3450	3510	---	14300	2700	6660	3720	3740	3100	4340
30	1090	4220	4960	2120	---	14900	2040	6780	4150	3530	6440	4380
31	310	---	4280	1170	---	15100	---	6690	---	1840	6570	---
TOTAL	34278	118834	108975	69400	156555	478400	126149	130128	138574	105190	144680	159510
MEAN	1106	3961	3515	2239	5591	15430	4205	4198	4619	3393	4667	5317
MAX	1820	6180	4960	7930	15800	19700	15300	6780	6710	4240	6670	9260
MIN	298	616	566	631	751	14200	566	561	604	1840	1660	3000
AC-FT	67990	235700	216200	137700	310500	948900	250200	258100	274900	208600	287000	316400

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1994#, BY WATER YEAR (WY)

MEAN	1154	1814	5463	8344	9012	9933	8410	8208	6404	4715	3312	2910
MAX	6846	6737	17940	28510	21470	22180	26530	23660	25310	23750	6662	7099
(WY)	1992	1974	1975	1974	1975	1969	1969	1991	1989	1989	1976	1991
MIN	82.5	86.2	247	484	266	485	231	471	400	292	91.7	77.6
(WY)	1968	1968	1968	1968	1968	1968	1971	1967	1970	1967	1967	1967

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1967 - 1994#

ANNUAL TOTAL	2983533			1770673								
ANNUAL MEAN	8174			4851						5793		
HIGHEST ANNUAL MEAN										10730		1975
LOWEST ANNUAL MEAN										548		1967
HIGHEST DAILY MEAN	29400		Apr 10	19700		Mar 10	111000		May 20	1989		
LOWEST DAILY MEAN	298		Oct 24	298		Oct 24	38		Sep 14	1967		
ANNUAL SEVEN-DAY MINIMUM	563		Sep 28	861		Oct 4	41		Sep 9	1967		
INSTANTANEOUS PEAK FLOW				20400		Mar 9	116000		May 20	1989		
INSTANTANEOUS PEAK STAGE				29.57		Mar 9	47.45		May 20	1989		
ANNUAL RUNOFF (AC-FT)	5918000			3512000			4196000					
10 PERCENT EXCEEDS	15100			14300			15300					
50 PERCENT EXCEEDS	7170			4030			2990					
90 PERCENT EXCEEDS	1080			1010			251					

eEstimated

#Period of regulated streamflow.

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

LOCATION.—Lat 30°57'10", long 93°21'10", on line between secs.25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi 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.—Estimated daily discharges. Records good. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,000 acre-ft) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Several measurements of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	32	29	99	2740	715	132	98	325	79	42	39
2	8.4	25	28	215	1510	1160	112	87	258	65	32	34
3	8.9	25	28	195	1150	1170	99	366	211	52	39	52
4	9.4	38	89	148	1000	927	98	715	268	43	207	61
5	9.6	43	155	122	619	756	91	607	439	37	194	44
6	9.8	34	109	99	551	624	493	484	211	32	95	68
7	9.5	25	88	92	479	556	1030	386	171	28	68	58
8	9.4	23	69	95	394	473	692	320	132	28	66	47
9	25	38	61	83	337	1490	479	304	107	82	136	36
10	44	44	153	75	525	2890	377	1390	189	312	144	33
11	44	39	255	90	1010	3150	310	650	144	277	139	30
12	27	30	163	219	1120	2910	1200	462	97	337	142	67
13	33	26	149	171	799	1640	1970	372	173	339	113	50
14	41	90	250	134	592	1050	1760	359	115	298	90	38
15	34	465	246	110	468	802	1220	376	83	315	88	31
16	25	264	188	102	401	651	913	468	67	303	83	38
17	21	893	152	1220	354	523	681	372	57	261	62	58
18	19	415	136	1820	316	427	502	436	51	232	48	42
19	17	142	134	1210	287	379	387	273	60	188	39	32
20	21	83	150	623	280	335	318	189	67	148	32	e26
21	53	69	146	461	790	299	290	132	61	151	53	e22
22	60	54	165	359	1060	276	254	97	66	173	92	e20
23	41	46	291	293	1960	247	234	77	72	120	154	e19
24	28	42	266	250	2180	228	187	61	280	91	96	e18
25	22	39	195	218	1780	231	160	49	431	68	74	e17
26	19	37	156	197	1270	205	148	40	313	50	68	e16
27	17	38	128	4330	861	205	147	76	218	39	60	e15
28	15	36	115	21600	642	269	125	390	157	36	55	e15
29	18	32	111	16700	---	224	107	260	119	30	47	e14
30	34	30	105	8960	---	175	96	295	97	28	42	e13
31	38	---	91	4220	---	150	---	435	---	30	40	---
TOTAL	770.0	3197	4401	64510	25475	25137	14612	10626	5039	4272	2640	1053
MEAN	24.8	107	142	2081	910	811	487	343	168	138	85.2	35.1
MAX	60	893	291	21600	2740	3150	1970	1390	439	339	207	68
MIN	8.4	23	28	75	280	150	91	40	51	28	32	13
AC-FT	1530	6340	8730	128000	50530	49860	28980	21080	9990	8470	5240	2090
CFSM	.07	.29	.39	5.70	2.49	2.22	1.33	.94	.46	.38	.23	.10
IN.	.08	.33	.45	6.57	2.60	2.56	1.49	1.08	.51	.44	.27	.11

e Estimated

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSELINE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1994, BY WATER YEAR (WY)

MEAN	126	307	654	745	919	719	708	671	296	251	168	161
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	138	124	42.9	36.6	15.7	26.2	12.1	9.18
(WY)	1964	1968	1955	1981	1954	1954	1981	1978	1971	1954	1956	1993

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1952 - 1994	
ANNUAL TOTAL	128219.5		161732.0			
ANNUAL MEAN	351		443		475	
HIGHEST ANNUAL MEAN					1265	
LOWEST ANNUAL MEAN					102	
HIGHEST DAILY MEAN	6460	Apr 10	21600	Jan 28	49900	Apr 30 1953
LOWEST DAILY MEAN	6.6	Sep 12	8.4	Oct 2	5.6	Sep 27 1981
ANNUAL SEVEN-DAY MINIMUM	7.1	Sep 7	9.2	Oct 1	5.8	Sep 24 1981
INSTANTANEOUS PEAK FLOW			23000	Jan 28	64300	May 19 1953
INSTANTANEOUS PEAK STAGE			23.51	Jan 28	28.38	May 19 1953
INSTANTANEOUS LOW FLOW			8.4	Oct 1,2,3	4.0	Sep 28,29,30 1981
ANNUAL RUNOFF (AC-FT)	254300		320800		344000	
ANNUAL RUNOFF (CFMS)	.96		1.21		1.30	
ANNUAL RUNOFF (INCHES)	13.07		16.48		17.68	
10 PERCENT EXCEEDS	983		874		1070	
50 PERCENT EXCEEDS	115		132		146	
90 PERCENT EXCEEDS	12		28		20	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.11	3.32	3.29	3.83	15.93	7.38	4.06	3.82	5.30	3.56	3.25	3.19
2	3.10	3.25	3.28	4.61	11.04	9.48	3.92	3.74	4.89	3.45	3.15	3.14
3	3.11	3.26	3.28	4.48	9.43	9.50	3.83	5.46	4.59	3.34	3.21	3.30
4	3.11	3.36	3.75	4.17	8.75	8.40	3.82	7.39	4.91	3.26	4.47	3.38
5	3.11	3.40	4.22	3.99	6.91	7.58	3.77	6.85	5.91	3.20	4.39	3.24
6	3.11	3.33	3.90	3.83	6.56	6.93	6.13	6.22	4.59	3.15	3.68	3.44
7	3.11	3.26	3.75	3.78	6.19	6.59	8.87	5.66	4.33	3.11	3.47	3.36
8	3.11	3.23	3.61	3.80	5.71	6.15	7.27	5.27	4.06	3.11	3.46	3.27
9	3.25	3.36	3.55	3.71	5.37	10.73	6.19	5.17	3.89	3.57	3.98	3.16
10	3.42	3.42	4.19	3.65	6.42	16.56	5.61	10.47	4.44	5.19	4.04	3.13
11	3.41	3.37	4.86	3.77	8.77	17.45	5.21	7.06	4.14	4.96	4.01	3.10
12	3.27	3.30	4.27	4.64	9.30	16.57	9.50	6.10	3.82	5.35	4.03	3.43
13	3.32	3.26	4.17	4.33	7.79	11.58	12.98	5.58	4.34	5.37	3.81	3.30
14	3.39	3.73	4.83	4.07	6.77	8.98	12.10	5.51	3.94	5.10	3.64	3.18
15	3.33	6.11	4.81	3.91	6.13	7.81	9.76	5.60	3.71	5.21	3.63	3.12
16	3.26	4.91	4.44	3.85	5.75	7.07	8.34	6.12	3.60	5.13	3.59	3.18
17	3.22	8.24	4.20	9.51	5.47	6.42	7.21	5.59	3.51	4.86	3.43	3.36
18	3.20	5.80	4.09	12.33	5.24	5.90	6.31	5.95	3.47	4.66	3.31	3.22
19	3.19	4.13	4.08	9.70	5.06	5.63	5.67	4.98	3.54	4.36	3.22	3.12
20	3.22	3.71	4.18	6.92	5.02	5.36	5.25	4.45	3.59	4.07	3.16	—
21	3.48	3.61	4.16	6.09	7.73	5.14	5.08	4.06	3.55	4.10	3.34	—
22	3.54	3.49	4.28	5.50	9.01	5.00	4.86	3.82	3.58	4.25	3.66	—
23	3.39	3.43	5.09	5.11	12.92	4.82	4.73	3.67	3.63	3.87	4.10	—
24	3.28	3.40	4.94	4.84	13.83	4.70	4.43	3.55	5.01	3.65	3.66	—
25	3.23	3.37	4.48	4.63	12.19	4.71	4.25	3.46	5.93	3.47	3.49	—
26	3.21	3.36	4.23	4.50	9.96	4.55	4.17	3.38	5.20	3.33	3.44	—
27	3.18	3.36	4.03	15.22	8.09	4.54	4.17	3.65	4.56	3.23	3.38	—
28	3.17	3.35	3.94	23.32	7.02	4.95	4.01	5.68	4.14	3.19	3.34	—
29	3.19	3.31	3.92	22.56	—	4.67	3.89	4.90	3.86	3.13	3.27	—
30	3.33	3.29	3.88	21.19	—	4.35	3.81	5.11	3.69	3.11	3.22	—
31	3.37	—	3.77	19.29	—	4.18	—	5.95	—	3.13	3.20	—
MAX	3.54	8.24	5.09	23.32	15.93	17.45	12.98	10.47	5.93	5.37	4.47	—
MIN	3.10	3.23	3.28	3.65	5.02	4.18	3.77	3.38	3.47	3.11	3.15	—

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 1993 TO SEPTEMBER 1994

		SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)		
DEC 1993 09...	0845	605	7.02	15.5	80	13	8.6	3.8	K1000	48		
JUN 1994 15...	0830	516	7.12	27.0	120	9	6.0	2.5	K60	120		
DATE		HARD- NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)		
DEC 1993 09...	47	16	1.8	100	5.5	48	130	70	<0.1			
JUN 1994 15...	30	10	1.3	86	4.5	46	110	51	<0.1			
DATE		SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)		
DEC 1993 09...	18	404	370	0.04	0.36	0.24	1.1	1.5	0.13			
JUN 1994 15...	14	350	305	0.06	0.24	0.25	1.0	1.2	0.08			
DATE		ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
JUN 1994 15...	<1	<1	<1	<1	<1	<1	<1	<1	2	2	<1	

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

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

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
JUN 1994 15...	1	<1	<1	550	240	1	<1	<10	14	0.1	0.2
DATE	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	
JUN 1994 15...	<0.01	3	1	<1	<1	2	10	6	6	20	
DATE	CHLOR- PYRIFOS TOTAL RECOVER (UG/L)	DI- SYSTON TOTAL (UG/L)	PHORATE TOTAL (UG/L)	DEF TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR- TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)
JUN 1994 15...	<0.01	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<1	<0.01	<0.1	<0.1
DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 1994 15...	<1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.2	<0.01	<2
DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN WATER UNFLTRD REC (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
JUN 1994 15...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.2	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 1994 15...	<0.1	<0.01	<0.2	<0.01	<2	<0.01	<0.2	<0.01	<0.1	<0.01	<0.2
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
JUN 1994 15...	<0.1	<1	<1	<10	<0.01	<0.2	<0.01	<0.01	<0.01	<0.01	

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

SABINE RIVER MAIN STEM

08028500 SABINE RIVER NEAR BON WIER, TX

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mi upstream from Quicksand Creek, 0.8 mi upstream from Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi east of Bon Wier, 2.4 mi upstream from Caney Creek, and at mile 97.7.

DRAINAGE AREA.--8,229 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage height records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1342: 1953; WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 33.42 ft above National Geodetic Vertical Datum of 1929. Prior to July 8, 1931, nonrecording gage at site 0.8 mi downstream at datum 13.00 ft higher. July 8, 1931, to Oct. 15, 1958, non-recording gage at present site at datum 13.00 ft higher. Oct. 16, 1958, to Sept. 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.

REMARKS.--No estimated daily discharges, records good. Since October 1966, flow regulated by Toledo Bend Reservoir (station 08025350) 58.8 mi upstream. Gage-height telemeter at station.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--43 years (water years 1924-66) prior to completion of Toledo Bend Reservoir, 6,846 ft³/s (4,960,000 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1924-66).--Maximum discharge, 115,000 ft³/s May 19, 1953 (gage height, 38.70 ft, current datum); minimum, 160 ft³/s Sept. 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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	544	611	4300	e4450	9460	16600	16800	2750	7870	4390	2270	7700
2	963	977	4270	e4450	5860	17900	16700	1960	7700	4310	2880	7390
3	1210	2840	4270	e4500	3450	18500	16900	2950	7690	4270	4120	7600
4	771	4250	2210	e4500	2690	18000	16800	5210	7470	2450	4330	5420
5	547	4140	3740	2510	2460	17200	10000	5730	7670	3150	4580	6000
6	1080	4770	4600	2130	2470	16800	3370	4960	7800	4280	4650	7040
7	1200	4380	4540	2240	2330	16700	3570	4020	7550	4410	4300	9790
8	1820	4260	4260	2170	1890	16400	3900	2600	7330	4440	2450	10800
9	1720	3640	4240	2150	1760	18300	2870	1870	7180	4490	4740	10700
10	1310	4940	2410	2040	1780	25200	2220	6070	7230	4070	6860	10600
11	725	4450	2130	2080	2490	25600	1940	7880	6910	2720	7110	8410
12	1120	4350	3830	2220	3240	24300	3450	4830	4930	3490	7050	7890
13	1890	4380	e4850	2190	3190	22300	8240	3600	5210	4110	6800	6480
14	1910	4300	e3100	1800	2470	19800	8030	3350	4790	4520	5280	5550
15	2010	4980	e1550	1680	1990	18600	6700	2710	4090	4740	2300	5380
16	1790	5240	e3600	1630	4350	18100	5510	2590	4270	4650	4530	5980
17	1280	5580	e2400	2730	7360	17600	5040	4820	4450	4510	6700	5580
18	629	3270	e3200	5520	7580	17000	4740	7930	4570	2670	7030	6680
19	1050	2800	e4650	4750	7650	17100	4380	7950	4600	3160	6710	5710
20	1790	5670	e4550	4030	7830	17100	4170	7660	4670	4500	6490	5120
21	1910	4580	e4500	2790	8520	17100	4090	7340	4690	4630	5080	5310
22	1990	4500	e4150	2260	9640	17000	4030	7220	4770	4370	2450	5220
23	1890	4470	e4500	1620	12900	16900	3950	7230	4740	4340	4880	5360
24	1300	4360	e4850	1620	14700	16800	3900	7190	4630	4240	6950	5370
25	630	4260	e4700	1810	16800	16500	3890	7030	4840	2430	6920	4250
26	1010	4320	e4600	1540	18200	16400	3840	7250	3050	2980	6840	3930
27	1780	4200	e4500	5200	17400	16300	3730	7450	1710	4020	6990	5180
28	1800	4170	e3650	23000	16800	16000	3680	7690	3240	4260	4960	4890
29	1850	4230	e3700	21500	---	16100	3670	7970	4060	4260	2320	5180
30	1830	4290	e3700	19400	---	16200	3700	7860	4230	4280	4970	5270
31	1250	---	e5000	14700	---	16600	---	7880	---	4000	7570	---
TOTAL	42599	123208	120550	155210	197260	561000	183810	173550	163940	123140	161110	195780
MEAN	1374	4107	3889	5007	7045	18100	6127	5598	5465	3972	5197	6526
MAX	2010	5670	5000	23000	18200	25600	16900	7970	7870	4740	7570	10800
MIN	544	611	1550	1540	1760	16000	1940	1870	1710	2430	2270	3930
AC-FT	84500	244400	239100	307900	391300	1113000	364600	344200	325200	244200	319600	388300

SABINE RIVER MAIN STEM

08028500 SABINE RIVER NEAR BON WIER, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1994#, BY WATER YEAR (WY)

MEAN	1668	2548	6778	9939	10860	11590	9993	9427	7409	5608	3840	3410
MAX	7315	8913	21420	30930	23200	24470	27370	28150	26340	31490	7288	8247
(WY)	1992	1987	1983	1974	1975	1992	1969	1991	1989	1989	1976	1991
MIN	188	217	822	1000	746	1288	634	1186	663	621	211	206
(WY)	1968	1968	1981	1981	1968	1981	1971	1971	1970	1967	1967	1967

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1967 - 1994#	
ANNUAL TOTAL	3301550		2201157			
ANNUAL MEAN	9045		6031		6904	
HIGHEST ANNUAL MEAN					12670	
LOWEST ANNUAL MEAN					1172	
HIGHEST DAILY MEAN	31200	Apr 11	25600	Mar 11	98000	Jul 4 1989
LOWEST DAILY MEAN	544	Oct 1	544	Oct 1	134	Nov 9 1966
ANNUAL SEVEN-DAY MINIMUM	758	Sep 29	902	Oct 1	142	Nov 3 1966
INSTANTANEOUS PEAK FLOW			26800	Jan 28	98200	Jul 4 1989
INSTANTANEOUS PEAK STAGE			30.45	Jan 28	37.90	Jul 4 1989
ANNUAL RUNOFF (AC-FT)	6549000		4366000		5002000	
10 PERCENT EXCEEDS	16900		16400		16900	
50 PERCENT EXCEEDS	7320		4500		3990	
90 PERCENT EXCEEDS	1790		1830		736	

eEstimated

#Period of regulated streamflow.

SABINE RIVER MAIN STEM

08030500 SABINE RIVER NEAR RULIFF, TX
(Radiochemical and national stream-quality accounting network)

LOCATION.--Lat 30°18'13", long 93°44'37", Calcasieu Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, at downstream side of bridge on State Highway 12, 2.4 mi north of Ruliff, 4.2 mi upstream from the Kansas City Southern Railway Co. bridge, 4.5 mi downstream from Cypress Creek, and at mile 40.2.

DRAINAGE AREA.--9,329 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1924 to current year.

REVISED RECORDS.--WSP 1282: 1941(M), 1942. WSP 1442: 1925-29, 1937-39, 1943. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5.92 ft below National Geodetic Vertical Datum of 1929. 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.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow is partly regulated by Toledo Bend Reservoir (station 08025350) 116.3 mi upstream. Gage-height telemeter at station.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--42 years (water years 1925-66) prior to completion of Toledo Bend Reservoir, 8,422 ft³/s (6,102,000 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1925-66).--Maximum discharge, 121,000 ft³/s May 22, 1953, (gage-height, 29.98 ft, current datum); minimum, 270 ft³/s Sept. 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 June 1884 (adjusted to present site and datum on basis of slope of flood of June 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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1250	1890	4780	4900	27900	18500	13500	3770	8610	4180	4420	5510
2	1140	1450	4830	5140	24200	17400	13400	3690	8900	4340	3680	6650
3	1130	1170	4840	5150	19300	16900	13600	3240	8910	4410	2460	7290
4	1400	1760	5190	5270	14200	17400	13500	3570	8820	4370	3360	7670
5	1410	3090	5010	5380	9490	17800	13700	4930	8630	3950	4150	7790
6	1150	3770	4160	4740	6870	17600	14400	6100	8560	2900	4620	7260
7	1110	4300	5100	3310	5510	16900	13000	6750	8640	3510	5040	7060
8	1370	4560	5610	2830	4770	16000	9640	6560	8610	4080	5220	7380
9	1550	4530	5590	2660	4000	16300	7210	5400	8370	4360	4480	8130
10	1890	4130	5450	2570	3480	16500	5570	3710	8150	4520	3650	8890
11	1880	4400	4880	2480	3370	17200	4050	3920	8510	4580	5560	9470
12	1510	4730	3860	2480	3670	19300	3770	5880	8930	4100	6740	9740
13	1320	4750	4110	2550	4350	23300	4520	6950	9050	3240	7290	9520
14	1780	4760	5230	2700	4680	24500	6090	6820	8520	3860	7550	8860
15	2110	5020	5600	2480	4280	22600	7330	5700	7790	4420	7520	7940
16	2220	5450	4690	2200	3540	20200	7980	4940	6970	4880	6350	7010
17	2180	6330	3930	2770	3630	18300	7720	4790	6030	5130	4290	6410
18	1990	7210	4140	4610	5330	17400	7020	5470	5560	5110	5480	6290
19	1470	7490	3600	6580	6570	16500	6270	6660	5650	4510	6560	6250
20	1160	6860	4420	7760	7300	16000	5610	7740	5570	3100	7150	6460
21	1590	6460	5040	7980	7830	15700	5030	8370	5460	3710	7410	6280
22	1920	6440	5350	6840	8390	15200	4620	8380	5530	4450	7400	5930
23	2090	6170	5460	5180	10000	14400	4420	7960	5660	4810	6440	5740
24	2190	5820	5540	3680	12000	15000	4280	7600	6170	4770	4960	5690
25	2080	5550	5930	2840	14400	15000	4190	7420	6410	4660	5950	5690
26	1500	5290	6130	2600	16500	14700	4110	7300	6510	4010	6920	5410
27	1180	5110	5990	2960	17700	14600	4070	7230	6330	2670	7410	4580
28	1530	5010	5710	6040	18100	14300	3990	7210	4500	3410	7610	4590
29	1840	4840	5220	10100	---	14000	3830	7390	3400	4020	7540	5090
30	1980	4770	4490	14500	---	13900	3750	7870	3870	4340	6190	5220
31	2000	---	4490	22500	---	13600	---	8310	---	4410	4170	---
TOTAL	50920	143110	154370	163780	271360	527000	220170	191630	212620	128810	177570	205800
MEAN	1643	4770	4980	5283	9691	17000	7339	6182	7087	4155	5728	6860
MAX	2220	7490	6130	22500	27900	24500	14400	8380	9050	5130	7610	9740
MIN	1110	1170	3600	2200	3370	13600	3750	3240	3400	2670	2460	4580
AC-FT	101000	283900	306200	324900	538200	1045000	436700	380100	421700	255500	352200	408200

SABINE RIVER MAIN STEM
(Hydrologic benchmark station)
08030500 SABINE RIVER NEAR RULIFF, TX—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1994#, BY WATER YEAR (WY)

MEAN	2366	3307	8330	11850	12610	13350	11970	10590	8867	6734	4426	3947
MAX	7222	11850	22070	32800	27990	27480	33240	29510	26240	42320	7982	10530
(WY)	1992	1987	1983	1974	1974	1969	1969	1991	1989	1989	1975	1973
MIN	292	327	1366	1422	1559	2287	1030	1505	1428	805	382	333
(WY)	1968	1968	1981	1981	1968	1981	1971	1971	1970	1967	1967	1967

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR			FOR 1994 WATER YEAR			WATER YEARS 1967 - 1994#		
ANNUAL TOTAL	3730830			2447140					
ANNUAL MEAN	10220			6704			8175		
HIGHEST ANNUAL MEAN							14210		
LOWEST ANNUAL MEAN							1959		
HIGHEST DAILY MEAN	36100	Apr	12	27900	Feb	1	108000	Jul	6 1989
LOWEST DAILY MEAN	1100	Sep	30	1110	Oct	7	278	Oct	28 1967
ANNUAL SEVEN-DAY MINIMUM	1230	Sep	30	1230	Oct	1	282	Oct	9 1967
INSTANTANEOUS PEAK FLOW				28700	Feb	1	109000	Jul	6 1989
INSTANTANEOUS PEAK STAGE				24.81	Feb	1	29.15	Jul	6 1989
ANNUAL RUNOFF (AC-FT)	7400000			4854000			5922000		
10 PERCENT EXCEEDS	18900			14400			18700		
50 PERCENT EXCEEDS	7630			5450			5080		
90 PERCENT EXCEEDS	2100			2360			1220		

#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 seepage study are presented following the partial-record tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1994

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft ³ /s)
RED RIVER BASIN							
07348725	Indian Creek at Shongaloo, La.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 159, and 0.8 mi southeast of Shongaloo.	33.1	1966-94	1-27-94	42.56	1,550
07351670	Rambin Bayou near Frierson, La.	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.75 mi south of Frierson.	59.6	1966-94	2-23-94	11.09	3,680
07352400	Kepler Creek at Sparta, La.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, and 0.8 mi west of Sparta.	21.1	1954-68, 1974-94	2-11-94	43.69	656
07353990	Kisatchie Bayou at Kisatchie, La.	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117 and 0.6 mi north of Kisatchie.	37.3	1966-94	1-27-94	22.44	3,870
07364870	Sugar Creek near Arcadia, La.	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi northeast of Arcadia.	*47	1966-94	2-11-94	44.82	3,160
07366403	Bayou Choudrant tributary near Tremont, La.	Lat 32°31'55", long 92°27'55", Lincoln Parish, at culvert on Interstate Highway 20, and 1.1 mi northwest of Tremont.	0.54	1966-94	1-28-94	7.48	162
07366420	Bayou Choudrant near Calhoun, La.	Lat 32°32'35", long 92°22'50", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi northwest of Calhoun.	113	1966-94	1-28-94	41.66	1,560
07367250	Guyton Creek near Eros, La.	Lat 32°25'25", long 92°21'30", Ouachita Parish, at culvert on State Highway 546, and 4.3 mi east of Eros.	8.76	1968-94	11-15-93	9.53	236
07369360	Bushley Creek at Manifest, La.	Lat 31°42'50", long 91°57'10" Catahoula Parish, at bridge on State Highway 8, and 0.5 mi east of Manifest.	64.7	1984-94	1-27-94	39.95	6,700
07370600	Beaucoup Creek near Cotton Plant, La.	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi west of Cotton Plant.	127	1951-68, 1974-94	3-9-94	10.22	2,140

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1994--Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft ³ /s)
RED RIVER BASIN--Continued							
07372110	Brushy Creek near Joyce, La.	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi southeast of Joyce.	^a 24	1965-94	1-28-94	43.76	1,500
MISSISSIPPI RIVER DELTA							
07375222	Abita River north of Abita Springs, La.	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mi north of village of Abita Springs.	46.1	1966-94	7-13-94	^b 17.27	812
07375307	Terrys Creek near Kentwood, La.	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.5 mi northeast of Kentwood.	52.0	1966-94	1-28-94	13.73	13,800
07377150	Amite River at Grangeville, La.	Lat 30°44'10", long 90°50'30", East Feliciana-St. Helena Parish line, at bridge on State Highway 37, and 0.5 mi southwest of Grangeville.	741	1951-63, 1964-82, 1993-94	1-29-94	^c 33.64	(d)
07377210	Sandy Creek near Pride, La.	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.	69.9	1976-94	1-29-94	^b 90.41	4,840
0377300	Amite River at Magnolia, La.	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mi east of Magnolia.	884	1949-82 1993-94	1-29-94	^b 48.40	54,700
07377920	Cypress Bayou at Hooper Road, near Baton Rouge, La.	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 mi northeast of Baton Rouge Post Office.	(e)	1962-94	7-28-94	42.88	(d)
07378700	Jones Creek near Woodlawn School, near Baton Rouge, La.	Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Jones Creek Road 1.6 mi north of Woodlawn School, and 10.5 mi east of Baton Rouge Post Office.	19.5	1967-94	1-28-94	27.28	(d)
07378800	Bayou Fountain at Gardere Lane, near Baton Rouge, La.	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 mi southeast of Baton Rouge Post Office.	(e)	1962-66, 1969-94	1-28-94	14.58	(d)
07379050	Ward Creek at Essen Lane, near Baton Rouge, La.	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 mi southeast of Baton Rouge Post Office.	(e)	1963-70, 1975-94	6-12-94	26.40	(d)
07379090	North Branch Ward Creek at Goodwood Boulevard, at Baton Rouge, La.	Lat 30°26'34", long 91°05'27", East Baton Rouge Parish, at bridge 5.5 mi southeast of Baton Rouge Post Office.	(e)	1968-94	1-27-94	36.70	(d)
MERMENTAU RIVER BASIN							
08011800	Castor Creek near Oberlin, La.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on Parish road 0.1 mi upstream from Mulberry Creek, and 8.5 mi east of Oberlin.	43.9	1964-94	1-30-94	47.21	(d)
CALCASIEU RIVER BASIN							
08013610	Whisky Chitto Creek tributary near Leesville, La.	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, and 3.2 mi upstream from mouth.	0.32	1966-94	1-27-94	11.82	689

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1994—Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft ³ /s)
CALCASIEU RIVER BASIN—Continued							
08015200	Dry Creek at Dry Creek, La.	Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi south of Dry Creek.	42.7	1954-68, 1975-94	1-30-94	22.43	3,540
SABINE RIVER BASIN							
08024030	Bayou Scie at Zwolle, La.	Lat 31°37'45", long 93°37'40", Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi east of Zwolle.	45.9	1950-68, 1974-94	1-28-94	10.90	1,470
08025850	Pearl Creek at State Highway 111, at Burr Ferry, La.	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge on State Highway 111, and 0.8 mi northeast of Burr Ferry.	9.66	1967-94	1-27-94	11.67	2,440

a Approximately.

b Elevation; sea level.

c Operated as a flood profile gage.

d Discharge not determined.

e Drainage area not determined.

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 1994

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
PEARL RIVER BASIN						
02491800	Bogue Chitto at Enon, La.	Lat 30°43'10", long 90°05'00", Washington Parish, at bridge on State Highway 437, and 0.5 mi south of Enon.	1,107	1950-63, 1973-94	1-30-94	105.83
RED RIVER BASIN						
07348010	Twelvemile Bayou below Dixie, La.	Lat 32°36'25", long 93°48'35", Caddo Parish, at bridge on U.S. Highway 71, and 6.0 mi southeast of Dixie.	(a)	1979-85 ^b , 1986-94 ^c	3-03-94	159.86
07349365	Macks Bayou at Bossier City, La.	Lat 32°31'59", long 93°40'24", Bossier Parish, at bridge on U.S. Highway 80, and 3.3 mi northeast of Bossier City Post Office.	(a)	1963-86, 1990-94	11-15-93	155.89
07350820	Sand Beach Bayou at Shreveport, La.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, and 4.3 mi southeast of Shreveport city hall.	(a)	1963-94	11-15-93	150.08
07351200	Brush Bayou at Shreveport, La.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Transportation Railway Company railroad bridge, and 4.9 mi southwest of Shreveport city hall.	3.4	1960-94	1994	<180.6
07351300	Brush Bayou near Shreveport, LA,	Lat 32°23'25", long 93°46'15, Caddo Parish, at bridge on State Highway 526, and 2.5 mi south of Shreveport.	27.1	1960-94	8-04-94	158.35
07351755	Bayou Pierre at Powhatan, La.	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.	879	1981-85 ^b , 1986-94 ^c	2-13-94	105.79
07352410	Kepler Lake near Castor, La.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, and 5.0 mi north of Castor.	46.2	1960-65 ^d , 1966-94	2-11-94	177.66
07354740	Old River at Montrose, La.	Lat 31°34'25", long 92°59'40", Natchitoches Parish, at bridge on State Highway 1 at Montrose.	471	1960-86, 1990-94	1994	<95.0
07355475	Bayou Rapides near Alexandria, La.	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on Parish Road 1202, 12.2 mi upstream from mouth, and 6.9 mi west of Alexandria city hall.	(e)	1963-86, 1990-94	1-28-94	81.19
07364203	Bayou Bartholomew northwest of Jones, La.	Lat 32°58'55", long 91°42'00", Morehouse Parish, on right bank, 3.2 mi northwest of Jones.	^f 1,190	1973-85 ^b , 1986-94 ^c	2-17-94	^g 24.19
07364535	Ouachita River at Sterlington, La.	Lat 32°41'46", long 92°05'12", Ouachita-Union Parish line, on bridge on State Highway 2 at Sterlington.	12,953	1979-94 ^b	3-15-94	73.35
07366270	Bayou D'Arbonne Lake west of Farmerville, La.	Lat 32°47'07", long 92°27'25", Union Parish, on downstream side of bridge on State Highway 2, and 3.1 mi west of Farmerville.	(e)	1979-86, 1990-94	2-11-94	82.66

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 1994—Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
RED RIVER BASIN—Continued						
07366365	Bayou D'Arbonne below dam, near Downsville, La.	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, and 7.4 mi northeast of Downsville.	1,607	1978-94	2-11-94	70.87
07367030	Black Bayou at West Monroe, La.	Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit, at West Monroe.	(a)	1978-94	2-11-94	835.22
07367500	Cheniere Brake near Bawcomville, La.	Lat 32°27'10", long 92°11'29", Ouachita Parish, on downstream side of bridge on State Highway 3033, and 1.5 mi southwest of Bawcomville.	147	1944-45 ^b , 1978-86, 1990-94	1994	838.2
07367502	Cheniere Creek south of Bawcomville, La.	Lat 32°26'22", long 92°10'20", Ouachita Parish, on downstream side of bridge on State Highway 34, and 1.5 mi south of Bawcomville.	(a)	1978-86, 1990-94	2-11-94	g34.72
07368040	Boeuf River southwest of Rayville, La.	Lat 32°25'40", long 91°49'05", Richland Parish, on left bank 5.0 mi southwest of Rayville.	(a)	1974-85 ^b , 1986-94 ^c	2-13-94	60.55
07368810	Bayou Galion west of Oak Ridge, La.	Lat 32°37'35", long 91°50'19", Morehouse Parish, on downstream side of bridge on State Highway 134, and 3.7 mi west of Oak Ridge.	(a)	1979-86, 1990-94	2-11-94	843.88
07369016	Youngs Bayou at Monroe, La.	Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S. Highway 165, and 0.3 mi south of junction with Interstate 20 at Monroe.	(a)	1978-94	2-11-94	60.52
07369024	Youngs Bayou near Monroe, La.	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, and 3.1 mi southeast of Monroe.	(a)	1978-94	2-11-94	59.52
07369050	Bayou Lafourche near Alto, La.	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.	(a)	1973-85 ^b , 1986-94 ^c	2-14-94	59.55
07369455	Brushy Bayou at Tallulah, La.	Lat 32°23'52", long 91°11'57", Madison Parish, at bridge on U.S. Highway 65, at Tallulah.	(a)	1975-80 ^b , 1981-94	1994	<73.2
07369457	Lower Roundaway Bayou tributary near Tallulah, La.	Lat 32°22'33", long 91°11'57", Madison Parish, near center of bridge on U.S. Highway 65, and 1.5 mi south of Tallulah.	(a)	1975-80 ^b , 1981-94	1-28-94	72.30
07369460	Roundaway Bayou near Tallulah, La.	Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, and 1.5 mi southwest of Tallulah.	28	1954-59 ^d , 1978-94	1-28-94	72.18
07369468	Panola Bayou at Tallulah, La.	Lat 32°25'02", long 91°12'24", Madison Parish, at bridge on U.S. Highway 80, and 0.2 mi northwest of Tallulah.	(a)	1978-80 ^b , 1981-94	1-28-94	74.28
07369515	Tensas River southeast of Tendal, La.	Lat 32°23'17", long 91°20'05", Madison Parish, on right bank 3.5 mi southeast of Tendal.	(a)	1975-85 ^b , 1986-94 ^c	1-30-94	69.35
07372190	Little River at Rochelle, La.	Lat 31°47'35", long 92°21'42", Grant-La Salle Parish line, at bridge on U.S. Highway 165, at Rochelle.	1,892	1938-46 ^h , 1948-57 ^h , 1958-85 ^h , 1986-94 ^c	1994	(k)

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 1994—Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
BAYOU BATON ROUGE BASIN						
07373965	South Canal near Baker, La.	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 and 2.3 mi northeast of Baker.	(a)	1972-82 ^b , 1983-87 ^d , 1988-94	1-28-94	75.65
07373980	Baker Canal near Baker, La.	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 mi southwest of Baker	(a)	1963-70, 1971-93 ^b 1994	1994	<58.53
MONTE SANO BAYOU BASIN						
07373993	Monte Sano Bayou at Ryan Airport, at Baton Rouge, La.	Lat 30°32'08", long 91°09'32", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 mi north of Baton Rouge Post Office.	(a)	1975-94	6-12-94 7-28-94	55.63 56.37
07373996	Monte Sano Bayou at Baton Rouge, La.	Lat 30°30'10", long 91°10'12", East Baton Rouge Parish, at bridge on U.S. Highway 61 at Baton Rouge.	(a)	1975-94	6-12-94 7-28-94	40.82 37.51
MISSISSIPPI RIVER DELTA						
07377215	Little Sandy Creek near Milldale, La.	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi north of Milldale.	(a)	1975-94	1-29-94 7-28-94	110.52 108.82
07377240	Little Sandy Creek near Greenwell Springs, La.	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, La.	28.2	1974-85 ^b , 1986-94	1-29-94 7-28-94	64.94 65.44
07377250	Sandy Creek near Greenwell Springs, La.	Lat 30°36'08", long 90°59'37", East Baton Rouge Parish, at bridge on State Highway 37, 1.5 mi north of village of Greenwell Springs, La.	(a)	1982-94 ^b	1-29-94	58.80
07377755	White Bayou East Diversion Channel near Baton Rouge, La.	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 Ryan Airport at Baton Rouge.	(a)	1972-84 ^b , 1986-87 ^d , 1988-94	1-28-94 7-28-94	75.00 73.71
07377780	White Bayou at State Highway 64, near Zachary, La.	Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 mi east of Zachary.	(a)	1962-75, 1977-94	1-28-94 7-28-94	87.86 80.50
07377840	White Bayou near Baton Rouge, La.	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 mi northeast of Baton Rouge Post Office.	(a)	1962-94	1-20-93 1-28-94 7-28-94	69.45 66.98 66.85
07377842	White Bayou near Baker, La.	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.	(a)	1972-84 ^b , 1986-87 ^d , 1988-94	1-28-94 7-28-94	89.82 813.37
07377890	Cypress Bayou at Baker, La.	Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mi east of State Highway 19 at Baker.	(a)	1967-69, 1971-94	1994	<65.2
07377900	Cypress Bayou at Plank Road, near Baton Rouge, La.	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 mi northeast of Baton Rouge Post Office.	(a)	1962-65, 1967-94	7-28-94	49.64

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1994—Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA—Continued						
07377933	Blackwater Bayou near Fred, La.	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.	(a)	1975-94	1-28-94 7-28-94	72.91 73.41
07377940	Blackwater Bayou near Baton Rouge, La.	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 mi northeast of Baton Rouge Post Office.	14.1	1962-94	1-28-94 7-28-94	47.21 45.46
07378008	Hurricane Creek at Baton Rouge, La.	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Drive, 3.9 mi northeast of Baton Rouge Post Office.	(a)	1967-94	1-28-94	44.22
07378010	Hurricane Creek near Baton Rouge, La.	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.	(a)	1962-94	1-28-94	43.03
07378015	Roberts Canal at Baton Rouge, La.	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.	(a)	1967-94	1994	<47.24
07378020	Roberts Canal near Baton Rouge, La.	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 mi northeast of Baton Rouge Post Office.	(a)	1962-94	1-28-94	44.05
07378050	Comite River at Greenwell Springs Road, near Baton Rouge, La.	Lat 30°30'20", long 90°02'24", East Baton Rouge Parish, at bridge on Greenwell Springs Road, 9.4 mi northeast of Baton Rouge Post Office.	(a)	1981-88 ^b , 1989-94 ^c	1994	(k)
07378075	Beaver Bayou at Denham Road, near Baton Rouge, La.	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi northeast of Baton Rouge Post Office.	(a)	1972-94	7-28-94	70.85
07378091	Beaver Bayou tributary at Hooper Road, near Baton Rouge, La.	Lat 30°33'24", long 91°01'52", East Baton Rouge Parish, at culvert, 12 mi northeast of Baton Rouge Post Office.	(a)	1983-94	7-28-94	59.51
07378100	Beaver Bayou at Wax Road, near Baton Rouge, La.	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 mi northeast of Baton Rouge Post Office.	9.49	1972-94	7-28-94	55.65
07378595	Jones Creek at Airline Highway, at Baton Rouge, La.	Lat 30°27'52", long 91°05'15", East Baton Rouge Parish, at culvert 5.1 mi northeast of Baton Rouge Post Office.	(a)	1967-94	1-28-94 6-12-94	44.30 46.95
07378600	Jones Creek at Florida Boulevard, at Baton Rouge, La.	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 mi east of Baton Rouge Post Office.	(a)	1962-94	1-28-94 6-12-94	40.36 42.19
07378635	Lively Bayou north-east of Baton Rouge, La.	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 mi east of Baton Rouge Post Office.	(a)	1967-94	1-28-94 6-12-94	38.90 40.58
07378640	Lively Bayou east of Baton Rouge, La.	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 mi east of Baton Rouge Post Office.	(a)	1967-94	1-28-94 6-12-94	36.86 37.68
07378645	Lively Bayou southeast of Baton Rouge, La.	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.	(a)	1967-94	1-28-94 6-12-94	34.67 33.57

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 1994—Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA—Continued						
07378650	Jones Creek at Old Hammond Highway, near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 mi east of Baton Rouge Post Office.	(a)	1962-94	1-28-94 6-12-94	33.20 31.99
07378670	Weiner Creek near Baton Rouge, La.	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.	(a)	1967-94	7- 8-94	41.89
07378720	Clay Cut Bayou at Siegen Lane, near Baton Rouge, La.	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 mi southeast of Baton Rouge Post Office.	(a)	1967-94	7- 8-94	24.96
07378725	Clay Cut Bayou near Hope Villa, La.	Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Road, 2.3 mi northeast of Hope Villa.	(a)	1967-94	1994	(k)
07378780	Bayou Fountain at Ben Hur Road, at Baton Rouge, La.	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 mi southeast of Baton Rouge Post Office.	(a)	1962-94	1994	<17.30
07378805	Bayou Fountain tributary near Baton Rouge, La.	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Road, 9.1 mi southeast of Baton Rouge Post Office.	(a)	1967-94	1-28-94	11.18
07379000	Ward Creek at Government Street, at Baton Rouge, La.	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.	4.04	1954-67 ^b , 1969-73 ^c , 1975-94 ^c	6-12-94 7-08-94	41.78 42.51
07379010	Ward Creek at College Drive, at Baton Rouge, La.	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 mi southeast of Baton Rouge Post Office.	(a)	1970-94	6-12-94 7-08-94	39.43 40.19
07379100	North Branch Ward Creek at Baton Rouge, La.	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 mi southeast of Baton Rouge Post Office.	(a)	1962-94	1994	<26.42
07379400	Dawson Creek at Perkins Road, at Baton Rouge, La.	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 mi southeast of Baton Rouge Post Office.	(a)	1962-94	7-08-94	^g 14.48
07379502	Corporation Canal at Oklahoma Street, at Baton Rouge, La.	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mi south of Baton Rouge Post Office.	0.56	1971-94	1-27-94 7-10-94	21.97 26.00
07379503	Corporation Canal at East Roosevelt Street, at Baton Rouge, La.	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 mi southeast of Baton Rouge Post Office.	^f 1.31	1971-94 ^c	1-27-94 7-10-94	20.41 23.03
07379508	Corporation Canal at Stanford Avenue at Baton Rouge, La.	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 mi southeast of Baton Rouge Post Office.	2.43	1971-94	1-27-94 7-10-94	18.18 16.82

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 1994—Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA—Continued						
07379550	Bayou Duplantier at Lee Drive, at Baton Rouge, La.	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 mi south of Baton Rouge Post Office.	(a)	1962-70, 1971-94 ^c	1-28-94	19.00
07379950	Dawson Creek at Staring Lane, near Baton Rouge, La.	Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 mi southeast of Baton Rouge Post Office.	(a)	1962-94	1994	<19.9
07380000	Ward Creek at Siegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mi downstream from Dawson Creek, and 8.5 mi southeast of Baton Rouge Post Office.	40.0	1947-53 ^b , 1955-68 ^d , 1972-94 ^c	1994	(k)
07380223	New River at Gonzales, La.	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mi northeast of Gonzales water tower.	(a)	1963-94	1994	<7.85
07380226	Bayou Francois near Gonzales, La.	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 mi west of Gonzales water tower.	(a)	1963-94	1994	<8.26
07380227	Bayou Francois at Gonzales, La.	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mi southwest of Gonzales water tower.	(a)	1963-94	1994	<7.4
07381002	Bayou Lafourche below weir at Thibodaux, La.	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.	(a)	1986-94 ^c	5-29-94	6.14
07382258	Bayou Rapides-Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, La.	Lat 31°13'39", long 92°29'49", Rapides Parish, at bridge 6.5 mi southwest of Alexandria city hall.	(g)	1963-86, 1990-94	1-28-94	^m 69.46
07382495	Bayou Courtableau near Washington, La.	Lat 30°38'53", long 92°03'40", St. Landry Parish, 0.3 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.	701	1946-75 ^h , 1976-85 ^b , 1986-94 ^c	2-01-94	29.64
07382840	Hynson Bayou at Bringham Park, at Alexandria, La.	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, and 1.7 mi south of Alexandria city hall.	(a)	1963-86, 1990-94	1-28-94	76.58
07382850	Horseshoe Drainage Canal at Packing House Road, at Alexandria, La.	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi south of Alexandria city hall.	(a)	1959-86, 1990-94	1-28-94	71.84
07382855	Hynson Bayou at Hudson St., at Alexandria, La.	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi southeast of Alexandria city hall.	(a)	1963-86, 1990-94	1-28-94	71.60
07382865	Persimmon Bayou near Alexandria, La.	Lat 31°13'45", long 92°22'51", Rapides Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 mi southeast of Alexandria city hall.	(a)	1963-86, 1990-94	1-28-94	68.42

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 1994—Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA—Continued						
07383510	Bayou des Glaises diversion channel near Moreauville, La.	Lat 30°59'59", long 91°58'57", Avoyelles Parish, at bridge on unnumbered parish road, and 2.5 mi south of Moreauville.	284	1972-85 ^b , 1986-94 ^c	1-28-94	819.13
07385470	Bayou Teche at Robin, La.	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.	(a)	1947-85 ^b , 1986-94 ^c	1994	(k)
07385702	Bayou Teche below Keystone Lock and Dam near St. Martinville, La.	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.	(a)	1985-94 ^c	11-15-94	811.56
07386705	Ruth Canal at Ruth, La.	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 Breau Bridge.	(a)	1959-85 ^b , 1986-94 ^c	11.18-94	11.23

< Less than amount shown.

a Drainage area not determined.

b Operated as a continuous-record gaging station.

c Operated as a continuous-record gaging station, daily records unpublished.

d Operated as a crest-stage partial-record station.

e Drainage area indeterminate.

f Approximately.

g Gage datum, sea level of gage not determined.

h Operated as a continuous-record gaging station by the Corps of Engineers.

j Graph based on gage readings.

k Missing record.

m High-water mark.

o Corrected data

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1994

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PEARL RIVER BASIN						
Bogue Lusa Creek	Pearl River	Lat 30°46'56", long 89°52'24", Washington Parish, on downstream side of bridge on State Highway 439, at Bogalusa, 0.3 mi upstream from Ice Water Branch, 0.9 mi downstream from Adams Creek, and 4.0 mi up- stream from mouth.	72.9	1963-86a 1990, 1993-94	6-01-93	67
					7-28-93	60
					10-06-93	39
					12-08-93	56
					2-08-94	105
					4-07-94	211
					6-08-94	66
					8-03-94	47
MISSISSIPPI RIVER DELTA						
Bayou Manchac	Lake Maurepas	Lat 30°20'33", long 90°59'34" Ascension Parish, at bridge on bridge on U.S.Highway 61, 3.0 mi northwest of Prairieville.	138	1992-94	10-12-93	53
					11-16-93	470
					12-14-93	564
					1-11-94	71
					2-08-94	865
					3-16-94	676
					4-12-94	138
					5-09-94	162
					6-13-94	1170
					7-14-94	91
Bayou Chinchuba	Lake Pontchartrain	Lat 30°22'44", long 90°05'37" St. Tammany Parish, at west Pontchartrain Causeway approach, 12.1 mi west- northwest of Mandeville.	—	1992	8-08-94	66
					9-12-94	56
					11-16-93	66
					1-10-94	0.0
					5-09-94	0.0
Cane Bayou	Lake Pontchartrain	Lat 30°20'14", long 90°00'09" St. Tammany Parish at U.S. Highway 190 bridge, 3.0 mi east of Mandeville.	—	1992-94	7-13-94	7.5
					9-13-94	0.0
					11-16-93	60
					1-10-94	3.1
					5-09-94	0.0
Tickfaw River	Lake Maurepas	Lat 30°26'07", long 90°40'39" Livingston Parish, at bridge on State Highway 42 in Springfield.	—	1992-94	7-12-94	16
					9-13-94	0.0
					11-16-93	1620
					1-11-94	331
					5-10-94	1160
Yellow Water River	Ponchatoula Creek	Lat 30°26'23", long 90°29'45" Tangipahoa Parish, on State Highway 22 bridge, west of Ponchatoula 4.0 mi south- southeast of Hammond.	—	1992-94	7-12-94	1280
					9-13-94	285
					11-16-93	100
					1-10-94	26
					5-09-94	33
Tchefuncta River	Lake Pontchartrain	Lat 30°29'40", long 90°10'10", St. Tammany Parish, at bridge on U.S. Highway 90, 4.0 mi west of Covington.	145	1951-65 ^c , 1964-67 ^f , 1969, 1972, 1974, 1978-85, 1994	7-12-94	196
					9-13-94	0.0
					10-07-93	58
					5-19-94	145
					5-24-94	82
Tangipahoa River	Lake Pontchartrain	Lat 30°56'15", long 90°29'25", Tangipahoa Parish, at bridge on State Highway 71, 1.1 mi east of Kentwood.	296	1959-68 ^c , 1957-63 ^f , 1969, 1974-85 ^c , 1994	10-07-93	145
					12-06-93	434

Discharge Measurements Made at Miscellaneous Sites During Water Year 1994—Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA—Continued						
Tangipahoa River	Lake Pontchartrain	Lat 30°46'30", long 90°29'53", Tangipahoa Parish, at bridge on State Highway 10, 0.7 mi east of Arcola.	381	1959-65 ^g , 1967-82 ^g , 1969, 1982-85, 1994	10-07-93	267
Big Creek	Tangipahoa River	Lat 30°47'44", long 90°27'06", Tangipahoa Parish, at bridge 4.1 mi northeast of Roseland.	38.4	1964-68, 1988-94	10-12-93	25
					11-17-93	86
					12-13-93	31
					1-10-94	33
					2-07-94	94
					3-16-94	34
					4-12-94	34
					5-09-94	30
					6-13-94	151
					7-12-94	140
					8-08-94	23
9-12-94	31					
East Fork Big Creek	Tangipahoa River	Lat 30°47'27", long 90°26'37", Tangipahoa Parish, at bridge 4.4 mi northeast of Roseland.	31.2	1964-68, 1988-94	10-12-93	13
					11-17-93	40
					12-13-93	18
					1-10-94	16
					2-09-94	48
					3-16-94	28
					4-12-94	23
					5-09-94	18
					6-13-94	245
					7-12-94	325
					8-08-94	14
9-12-94	16					
Monte Sano Bayou at Baton Rouge	Mississippi River	Lat 30°30'10', long 91°10'12', East Baton Rouge Parish, at bridge on U.S. Highway 61 at Baton Rouge.		None	7-27-94	1120
Cypress Bayou at Hooper Rd	Cornite River	Lat 30°31'42", long 91°06'35', East Baton Rouge Parish, at bridge 7.0 mi northeast of Baton Rouge Post Office.		1966, 1994	7-27-94	1180
North Branch Ward Creek at Old Hammond Highway	Ward Creek	Lat 30°25'52', long 91°05'10", East Baton Rouge Parish, at bridge on Old Hammond Highway, 5.9 miles southeast of Baton Rouge Post Office		None	7-27-94	674
Ward Creek at Essen Lane	Claycut Bayou	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 mi southeast of Baton Rouge Post Office.		1946, 1994	1-27-94	519
					7-11-94	641
					7-27-94	1239

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1994—Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MERMENTAU RIVER BASIN						
Bayou Nezpique	Mermentau River	Lat 30°55'00", long 92°35'53" Evangeline Parish, at bridge on State Highway 104, 7.2 mi north of Basile.	(c)	1981-85, 1993-94	11-17-92	5.4
					1-18-93	1560
					4-12-94	273
CALCASIEU RIVER BASIN						
Calcasieu River	Gulf of Mexico	Lat 30°49'20", long 92°41'04", Allen Parish, at bridge on State Highway 10, 1.4 mi north- east of junction of U.S. Highway 165 and State Highway 10 in Oakdale.	(c)	1953, 1982-85, 1992, 1994	3-27-92	435
					1-19-94	2180
					4-05-94	180

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 1992 TO SEPTEMBER 1993

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992					
15...	1145	298000	132	106000	92
NOV					
04...	1500	354000	125	119000	95
18...	1130	491000	204	270000	66
DEC					
02...	1100	992000	653	1750000	69
16...	--	681000	269	495000	63
JAN 1993					
21...	1400	1280000	414	1430000	54
FEB					
03...	1030	1180000	309	986000	38
16...	1230	682000	223	411000	65
MAR					
01...	1000	804000	272	590000	69
15...	0930	1120000	381	1150000	75
29...	1100	1160000	267	839000	59
APR					
12...	1300	1230000	247	820000	54
JUN					
21...	1100	960000	385	998000	74
JUL					
19...	1200	965000	342	891000	82
AUG					
04...	1130	1090000	285	839000	61
16...	1430	1150000	366	1130000	62
30...	--	927000	293	733000	55
SEP					
13...	1100	741000	198	396000	86

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 1992 TO SEPTEMBER 1993

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 1992					
05...	1500	29000	109	8530	100
JAN 1993					
12...	1200	132000	551	196000	59
FEB					
25...	1030	122000	670	221000	56
JUN					
22...	1000	76400	406	83700	97
JUL					
14...	1200	32700	92	8130	66
27...	1220	19400	74	3880	100
AUG					
17...	1100	18000	53	2580	100
SEP					
21...	1000	17000	35	1610	97

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 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 NGVD.

HIGHEST WATER LEVEL 48.61 BELOW LSD, MAR. 14, 1965,

LOWEST WATER LEVEL 83.93 BELOW LSD, JULY 5, 1969.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1993	65.88	JAN. 27, 1994	65.32	MAY 3, 1994	62.55	JULY 13, 1994	69.42

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,363 FT, SCREENED 1,358-1,363. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.

LSD 24.55 FT ABOVE NGVD.

HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970,

LOWEST WATER LEVEL 69.47 BELOW LSD, DEC. 8, 1993.

RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1993	69.47	JAN. 27, 1994	62.52	MAY 3, 1994	60.16	JULY 13, 1994	68.52

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 907 FT, SCREENED 902-907. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.

LSD 24.55 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.59 BELOW LSD, MAR. 5, 1968,

LOWEST WATER LEVEL 62.45 BELOW LSD, AUG. 21, 1974.

RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1993	56.57	JAN. 27, 1994	53.30	MAY 3, 1994	50.44	JULY 13, 1994	59.27

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 62 FT, SCREENED 59-62. MP TOP OF 1 1/4-IN PIPE, 4.00 FT ABOVE LSD.

LSD 42.97 FT ABOVE NGVD.

HIGHEST WATER LEVEL 23.84 BELOW LSD, MAR. 21, 1961,

LOWEST WATER LEVEL 34.26 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1957-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1993	30.21	JAN. 26, 1994	31.15	MAY 3, 1994	32.11	JULY 13, 1994	25.21

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 EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 4 IN., DEPTH 660 FT, MP 1/2 IN HOLE IN SANITARY SEAL, 1.38 FT ABOVE LSD.

LSD 45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 49.87 BELOW LSD, JAN. 26, 1994,

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
DEC. 7, 1993	50.72	JAN. 26, 1994	49.87	MAY 3, 1994	53.52	JULY 12, 1994	50.77

AVOUELLES PARISH

310453092022901 LOCAL WELL NUMBER: AV-164

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 192 FT, SCREENED 182-192. MP TOP OF CASING, 0.63 FT ABOVE LSD.

LSD 80 FT ABOVE NGVD.

HIGHEST WATER LEVEL 33.78 BELOW LSD, JUNE 30, 1975,

LOWEST WATER LEVEL 41.90 BELOW LSD, NOV. 5, 1993.

RECORDS AVAILABLE 1966-79, 1985-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1993	36.34	JAN. 4, 1994	36.43	APR. 11, 1994	35.66	JULY 7, 1994	35.97

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 MEMBER OF THE FLEMING FM. 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 NGVD.

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. 4, 1993	62.56	JAN. 4, 1994	62.07	APR. 11, 1994	61.11	JULY 7, 1994	61.59

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 THE PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 45 FT, SCREENED 42-45. MP TOP OF CASING, AT LSD.

LSD 45.6 FT ABOVE NGVD.

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. 4, 1993	10.28	JAN. 4, 1994	6.88	APR. 11, 1994	6.39	JULY 13, 1994	6.13
NOV. 26	8.23						

GROUND-WATER LEVELS

BEAUREGARD PARISH

303644093020401 LOCAL WELL NUMBER: BE-430

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 5S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 123 FT, SCREENED 118-123. MP TOP OF 2-IN. GALV. PIPE, 3.00 FT ABOVE LSD.
 LSD 120 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 57.80 BELOW LSD, APR. 22, 1992,
 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
DEC. 7, 1993	63.43	JAN. 26, 1994	57.90	MAY 3, 1994	58.40	JULY 12, 1994	60.44

305018093251301 LOCAL WELL NUMBER: BE-443

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 164 FT, SCREENED 159-164. MP TOP OF 2-IN. GALV. PIPE, 2.40 FT ABOVE LSD.
 LSD 206 FT ABOVE NGVD.
 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. 6, 1993	37.71	JAN. 5, 1994	36.09	APR. 13, 1994	35.37	JULY 6, 1994	35.82

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 SAND 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 NGVD.
 HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970,
 LOWEST WATER LEVEL 233.54 BELOW LSD, OCT. 3, 1990.
 RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	232.62	JAN. 3, 1994	231.94	APR. 8, 1994	233.71	JULY 9, 1994	232.85
OCT. 7	232.15						

322436092500501 LOCAL WELL NUMBER: BI-166

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 16N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 472 FT, SCREENED 462-472. MP TOP OF BUSHING, 0.20 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 155.21 BELOW LSD, APR. 28, 1975,
 LOWEST WATER LEVEL 179.17 BELOW LSD, DEC. 1, 1993.
 RECORDS AVAILABLE 1975-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	178.03	JAN. 5, 1994	178.28	APR. 8, 1994	178.37	JULY 9, 1994	178.99
DEC. 1	179.37	APR. 4	178.17				

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 ABOVE LSD.

LSD 200 FT ABOVE NGVD.

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. 8, 1993	14.32	JAN. 3, 1994	13.57	JULY 27, 1994	10.65		

CALCASIEU PARISH

301115093191501

LOCAL WELL NUMBER: CU-445

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 540 FT, SCREENED 460-540. MP TOP OF RECORDER SHELTER FLOOR, 2.00 FT ABOVE LSD. WELL PLUGGED SEP. 2, 1994.

LSD 12.26 FT ABOVE NGVD.

HIGHEST WATER LEVEL 30.96 BELOW LSD, APR. 20, 1947.

LOWEST WATER LEVEL 177.75 BELOW LSD, AUG. 23, 1973.

RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1993	109.55	MAR. 29, 1994	110.15	MAY 4, 1994	116.48	JULY 12, 1994	112.50
JAN. 26, 1994	110.25						

301115093191001

LOCAL WELL NUMBER: CU-446

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., REPORTED DEPTH 738 FT, SCREENED 658-738. MP TOP OF RECORDER SHELTER FLOOR, 1.89 FT ABOVE LSD. WELL PLUGGED SEP. 6, 1994.

LSD 12.42 FT ABOVE NGVD.

HIGHEST WATER LEVEL 22.80 BELOW LSD, APR. 27, 1946.

LOWEST WATER LEVEL 129.80 BELOW LSD, AUG. 5, 1974.

RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1993	86.24	MAR. 29, 1994	77.25	MAY 4, 1994	83.89	JULY 12, 1994	87.64
JAN. 26, 1994	78.55						

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. CASING, 2.00 FT ABOVE LSD.

LSD 11.42 FT ABOVE NGVD.

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. 13, 1993	80.95	MAR. 29, 1994	82.11				

GROUND-WATER LEVELS

CALCASIEU PARISH--Continued

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. CASING, 2.0 FT ABOVE LSD.
 LSD 17.76 FT ABOVE NGVD.
 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
JAN. 4, 1994	58.72	MAR. 29, 1994	62.98				

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. CASING, 2.85 FT ABOVE LSD.
 LSD 4.33 FT ABOVE NGVD.
 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. 14, 1993	63.13	MAR. 29, 1994	53.75				

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (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 CASING, 0.87 FT BELOW LSD.
 LSD 12 FT ABOVE NGVD.
 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
DEC. 8, 1993	52.12	JAN. 26, 1994	51.66	MAY 4, 1994	53.17	JULY 12, 1994	50.71

CALDWELL PARISH

320555092043501 LOCAL WELL NUMBER: CA-130

OWNER: TOWN OF COLUMBIA. (SEC. 20, T. 13N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN 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 NGVD.
 HIGHEST WATER LEVEL 17.97 BELOW LSD, JUNE 21, 1990,
 LOWEST WATER LEVEL 26.47 BELOW LSD, JAN. 12, 1990.
 RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1993	25.74	JAN. 5, 1994	22.93	APR. 8, 1994	19.49	JULY 8, 1994	25.22

GROUND-WATER LEVELS

CAMERON PARISH

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 NGVD.

HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965,

LOWEST WATER LEVEL 32.41 BELOW LSD, JULY 11, 1990.

RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1993	28.09	MAR. 29, 1994	26.42	MAY 4, 1994	29.40	JULY 12, 1994	30.49

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 IN., DEPTH 641 FT, SCREENED 631-641. MP TOP OF 1-IN. CASING, 2.10 FT ABOVE LSD.

LSD 3.66 FT ABOVE NGVD.

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.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1993	46.02						

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, 2.62 FT ABOVE LSD.

LSD 8.86 FT ABOVE NGVD.

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
JAN. 4, 1994	47.02	MAR. 24, 1994	54.58				

295611093044801 LOCAL WELL NUMBER: CN-90

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 13S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN 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 NGVD.

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. 12, 1993	33.05	MAR. 24, 1994	28.70				

GROUND-WATER LEVELS

CAMERON PARISH--Continued

300104093015601 LOCAL WELL NUMBER: CN-92

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 12, T. 12S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN 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 NGVD.

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. 12, 1993	39.43	MAR. 24, 1994	35.40				

CATAHOULA PARISH

315007091410601 LOCAL WELL NUMBER: CT-347

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 10N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 76 FT, SCREENED 73-76. MP TOP OF CASING, 3.50 FT ABOVE LSD.

LSD 70 FT ABOVE NGVD.

HIGHEST WATER LEVEL 25.40 BELOW LSD, APR. 25, 1990,

LOWEST WATER LEVEL 26.77 BELOW LSD, JAN. 4, 1991.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	26.45	JAN. 3, 1994	26.48	APR. 7, 1994	18.20	JULY 7, 1994	25.34
NOV. 26	26.34						

CLAIBORNE PARISH

330002092445901 LOCAL WELL NUMBER: CL-149

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND 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 NGVD.

HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980,

LOWEST WATER LEVEL 289.97 BELOW LSD, JULY 8, 1994.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1993	288.70	JAN. 5, 1994	288.90	APR. 8, 1994	289.05	JULY 8, 1994	289.97

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 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 NGVD.

HIGHEST WATER LEVEL 6.03 BELOW LSD, MAR. 24, 1994,

LOWEST WATER LEVEL 15.99 BELOW LSD, SEP. 26, 1990.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1994	6.03	SEP. 21, 1994	13.43				

312630091390001 LOCAL WELL NUMBER: CO-215

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 3, T. 5N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 121 FT, SCREENED 118-121. MP TOP OF CASING, 3.4 FT ABOVE LSD.

LSD 45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 5.32 BELOW LSD, APR. 26, 1993,

LOWEST WATER LEVEL 14.25 BELOW LSD, SEP. 26, 1990.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	10.49	MAR. 24, 1994	5.49	JULY 5, 1994	11.48	SEP. 12, 1994	12.28
JAN. 3, 1994	7.51	APR. 7	5.77				

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 GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 140 FT, SCREENED 130-140. MP TOP OF CASING, 3.60 FT ABOVE LSD.

LSD 305 FT ABOVE NGVD.

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. 5, 1993	77.54	APR. 7, 1994	79.85	JULY 5, 1994	78.46		

315629093352601 LOCAL WELL NUMBER: DS-446

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 220 FT, SCREENED 210-220. MP TOP OF CASING, 3.85 FT ABOVE LSD.

LSD 340 FT ABOVE NGVD.

HIGHEST WATER LEVEL 90.46 BELOW LSD, JULY 5, 1994,

LOWEST WATER LEVEL 94.77 BELOW LSD, SEP. 10, 1985.

RECORDS AVAILABLE 1977-87, 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	91.09	JAN. 4, 1994	91.20	APR. 19, 1994	90.81	JULY 5, 1994	90.46
JULY 7, 1993	90.49	APR. 7	91.12				

GROUND-WATER LEVELS

DESOTO PARISH--Continued

320153093583601 LOCAL WELL NUMBER: DS-517

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 12N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 131 FT, SCREENED 129-131. MP TOP OF BUSHING, AT LSD.

LSD 225 FT ABOVE NGVD.

HIGHEST WATER LEVEL 13.56 BELOW LSD, APR. 7, 1993,

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. 5, 1993	13.77	JAN. 4, 1994	14.16	APR. 7, 1994	13.99	JULY 5, 1994	13.77

EAST BATON ROUGE PARISH

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER COMPANY. (SEC. 77, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN., REPORTED DEPTH 2,120 FT, SCREENED 2,025-2,120. MP TOP OF COLLAR, 1.90 FT ABOVE LSD.

LSD 59.05 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943,

LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.

RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	233.70	JAN. 14, 1994	232.74	APR. 25, 1994	229.70	JULY 25, 1994	230.74

302648091102301 LOCAL WELL NUMBER: EB-128

OWNER: DIVINCENTI BROS., INC. (SEC. 74, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., DEPTH 970 FT, SCREENED 840-883 AND 916-970. MP TOP OF 6-IN. CASING, AT LSD.

LSD 57.02 FT ABOVE NGVD.

HIGHEST WATER LEVEL 60.40 BELOW LSD, JULY 12, 1989,

LOWEST WATER LEVEL 28.42 BELOW LSD, SEP. 9, 1956.

RECORDS AVAILABLE 1940-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	68.70	JAN. 14, 1994	71.25	APR. 21, 1994	66.20	JULY 25, 1994	73.40

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: EAST BATON ROUGE CITY-PARISH. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., REPORTED DEPTH 1,259 FT, SCREENED 1,199-1,259. MP EDGE OF 1/4-IN. HOLE IN PLATE ATOP CASING, 0.45 FT BELOW LSD.

LSD 52 FT ABOVE NGVD.

HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916,

LOWEST WATER LEVEL 118.15 BELOW LSD, JULY 12, 1979.

RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	104.35	JAN. 14, 1994	100.72	APR. 21, 1994	99.47	JULY 25, 1994	104.93

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH—Continued

302930091101501

LOCAL WELL NUMBER: EB-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., REPORTED DEPTH 412 FT, SCREENED 311-412. MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.

LSD 60.14 FT ABOVE NGVD.

HIGHEST WATER LEVEL 57.81 BELOW LSD, MAR. 25, 1990, MAY 10, 1991, MAY 15, 1991, MAY 30, 1991,

LOWEST WATER LEVEL 185.30 BELOW LSD, OCT. 15, 1968.

RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	76.41	JAN. 10, 1994	70.71	APR. 10, 1994	71.53	JULY 5, 1994	68.26
OCT. 10	71.97	JAN. 15	74.98	APR. 15	72.94	JULY 10	67.22
OCT. 15	69.39	JAN. 20	77.15	APR. 20	73.68	JULY 15	68.48
OCT. 20	67.88	JAN. 25	78.01	APR. 25	72.03	JULY 20	69.38
OCT. 25	66.96	JAN. 31	78.07	APR. 28	66.90H	JULY 25	72.22
OCT. 31	66.18	FEB. 5	78.48	APR. 30	71.10	JULY 31	75.06
NOV. 5	71.34	FEB. 10	75.64	MAY 5	71.86	AUG. 5	71.84
NOV. 10	72.42	FEB. 15	72.31	MAY 10	70.88	AUG. 10	72.10
NOV. 15	72.97	FEB. 20	71.03	MAY 15	70.48	AUG. 15	69.91
NOV. 20	73.36	FEB. 25	74.27	MAY 20	71.39	AUG. 20	71.40
NOV. 25	72.51	FEB. 28	75.03H	MAY 25	71.88	AUG. 25	70.45
NOV. 30	73.01	MAR. 5	75.31	MAY 31	67.97	AUG. 31	76.14
DEC. 5	73.42	MAR. 10	75.05	JUNE 5	68.15	SEP. 5	78.23
DEC. 10	74.67	MAR. 15	74.65	JUNE 10	68.38	SEP. 10	80.13
DEC. 15	76.12	MAR. 20	67.56	JUNE 15	67.48	SEP. 15	81.03
DEC. 20	76.87	MAR. 25	66.66	JUNE 20	69.08	SEP. 20	80.51
DEC. 25	71.83	MAR. 31	66.85	JUNE 25	69.96	SEP. 25	81.20
DEC. 31	71.55	APR. 5	66.86	JUNE 27	70.21H	SEP. 29	82.06J
JAN. 3, 1994	72.97H	APR. 6	65.77J	JUNE 30	69.39	SEP. 30	81.96
JAN. 5	71.19						

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 PLEISTOCENE 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 NGVD.

HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943,

LOWEST WATER LEVEL 148.33 BELOW LSD, NOV. 30, 1993.

RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	148.33	APR. 21, 1994	142.33	JULY 25, 1994	145.31		

303026091113001

LOCAL WELL NUMBER: EB-297

OWNER: LOUISIANA OFFICE OF HIGHWAYS. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,940 FT, SCREENED 1,890-1,940. MP TOP OF 4-IN. NIPPLE ATOP 4-IN. CROSS, 2.20 FT ABOVE LSD.

LSD 61 FT ABOVE NGVD.

HIGHEST WATER LEVEL 200.22 BELOW LSD, NOV. 7, 1967,

LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	229.94	JAN. 13, 1994	235.72	APR. 25, 1994	232.16	JULY 25, 1994	238.15

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH—Continued

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 NGVD.

HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941,

LOWEST WATER LEVEL 64.85 BELOW LSD, NOV. 6, 1979.

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. 30, 1993	55.10	JAN. 13, 1994	53.20	APR. 21, 1994	53.10	JULY 25, 1994	44.50

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 NGVD.

HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942,

LOWEST WATER LEVEL 80.34 BELOW LSD, OCT. 31, 1980.

RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	73.59	JAN. 13, 1994	71.57	APR. 21, 1994	70.45	JULY 25, 1994	71.05

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 NGVD.

HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974,

LOWEST WATER LEVEL 119.58 BELOW LSD, JULY 16, 1979.

RECORDS AVAILABLE 1972-88, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	113.72	APR. 25, 1994	107.81	JULY 25, 1994	112.80		

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH—Continued

302930091111301

LOCAL WELL NUMBER: EB-367

OWNER: GULF STATES UTILITIES CO. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., REPORTED DEPTH 2,061 FT, SCREENED 1,961-2,061. MP ARROW ON PLATE ABOVE CASING, 0.40 FT ABOVE LSD.

LSD 64.4 FT ABOVE NGVD.

HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942,

LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.

RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	280.36	JAN. 5, 1994	257.56	MAR. 31, 1994	265.28	JUNE 30, 1994	282.55
OCT. 10	281.96	JAN. 10	261.37	APR. 5	265.74	JUNE 5	280.43
OCT. 15	283.28	JAN. 13	260.07H	APR. 10	261.66	JULY 10	279.06
OCT. 20	281.49	JAN. 15	260.63	APR. 15	259.03	JULY 15	279.47
OCT. 25	277.61	JAN. 20	236.01	APR. 20	259.18	JULY 20	278.59
OCT. 31	273.13	JAN. 25	257.79	APR. 25	256.53	JULY 25	279.33H
NOV. 5	273.22	JAN. 31	260.87	APR. 29	258.65H	JULY 31	275.69
NOV. 10	272.01	FEB. 5	262.14	APR. 30	260.63	AUG. 5	273.89
NOV. 15	273.04	FEB. 10	261.39	MAY 5	259.49	AUG. 10	274.78
NOV. 20	274.49	FEB. 15	261.60	MAY 10	262.02	AUG. 15	277.12
NOV. 23	274.00H	FEB. 20	260.10	MAY 15	264.26	AUG. 16	277.54H
NOV. 25	270.72	FEB. 25	261.64	MAY 20	264.63	AUG. 20	276.80
NOV. 30	266.93	FEB. 28	261.29	MAY 25	265.84	AUG. 25	274.65
DEC. 5	261.97	MAR. 4	262.40H	MAY 31	268.79	AUG. 31	275.76
DEC. 10	261.64	MAR. 5	263.58	JUNE 5	269.53	SEP. 5	272.31
DEC. 15	261.52	MAR. 9	260.55H	JUNE 7	268.89H	SEP. 10	268.23
DEC. 20	254.26	MAR. 10	260.55	JUNE 10	271.79	SEP. 15	271.31
DEC. 25	252.27	MAR. 15	259.91	JUNE 15	274.00	SEP. 20	271.34
DEC. 28	247.93J	MAR. 20	262.91	JUNE 20	276.54	SEP. 25	272.27
DEC. 30	256.41H	MAR. 25	265.13	JUNE 25	277.07	SEP. 30	272.30
DEC. 31	256.47						

30284491033601

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. MP1 LOWER EDGE OF COLLAR ON NORTH SIDE OF WELL CASING, 1.00 FT ABOVE LSD.

LSD 50 FT ABOVE NGVD.

HIGHEST WATER LEVEL 20.75 ABOVE LSD, SEP. 6, 1942,

LOWEST WATER LEVEL 98.50 BELOW LSD, OCT. 8, 1981.

RECORDS AVAILABLE 1942, 1973, 1977-78, 1981, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	88.30	JAN. 13, 1994	85.03	APR. 21, 1994	88.38	JULY 26, 1994	89.37

302619091104003

LOCAL WELL NUMBER: EB-434

OWNER: LOUISIANA OFFICE OF HIGHWAYS. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 611 FT, SCREENED 551-611. MP TOP OF 2-IN. NIPPLE, 1.58 FT ABOVE LSD.

LSD 45.44 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.24 BELOW LSD, MAY 10, 1990,

LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.

RECORDS AVAILABLE 1961-93.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1993	56.79						

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 NGVD.

HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948,

LOWEST WATER LEVEL 68.18 BELOW LSD, JAN. 13, 1994.

RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	67.97	JAN. 13, 1994	68.18	APR. 21, 1994	63.05	JULY 25, 1994	65.67

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 NGVD.

HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956,

LOWEST WATER LEVEL 45.79 BELOW LSD, JAN. 27, 1981.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	44.55	JAN. 13, 1994	39.45	APR. 21, 1994	41.30	JULY 25, 1994	43.43

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 HOLE IN CENTER OF 6-IN. PLUG ATOP CASING, 1.73 FT ABOVE LSD.

LSD 65 FT ABOVE NGVD.

HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959,

LOWEST WATER LEVEL 184.37 BELOW LSD, NOV. 15, 1972.

RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	163.67	JAN. 13, 1994	165.70	APR. 25, 1994	163.67	JULY 26, 1994	164.52

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 OF CASING, 0.25 FT BELOW LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965,

LOWEST WATER LEVEL 3.65 BELOW LSD, NOV. 29, 1993.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	3.65	APR. 25, 1994	2.24	JULY 26, 1994	2.39	SEP. 27, 1994	.80
JAN. 14, 1994	3.32						

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. CASING, 0.14 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966,
LOWEST WATER LEVEL 36.19 BELOW LSD, JULY 23, 1994.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	34.99	APR. 21, 1994	33.01	JULY 25, 1994	36.19	SEP. 28, 1994	31.76
JAN. 14, 1994	28.84						

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 NGVD.
HIGHEST WATER LEVEL 17.37 BELOW LSD, JAN. 14, 1994,
LOWEST WATER LEVEL 26.75 BELOW LSD, OCT. 22, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	20.65	APR. 25, 1994	20.90	JULY 26, 1994	18.50	SEP. 29, 1994	18.50
JAN. 14, 1994	17.37						

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 NGVD.
HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966,
LOWEST WATER LEVEL 62.58 BELOW LSD, OCT. 18, 1984.
RECORDS AVAILABLE 1965-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1993	56.46	DEC. 28, 1993	44.45	MAY 10, 1994	58.42		

302511091070401 LOCAL WELL NUMBER: EB-789A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 711 FT, SCREENED 707-711. MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.
LSD 37 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.50 BELOW LSD, MAY 17, 1979,
LOWEST WATER LEVEL 3.40 BELOW LSD, OCT. 12, 1988.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	18.84	APR. 25, 1994	18.79	JULY 25, 1994	17.59	SEP. 29, 1994	17.59
JAN. 14, 1994	20.71						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH—Continued

302559091110801 LOCAL WELL NUMBER: EB-794

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 52, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,709 FT, SCREENED 2,705-2,709. MP TOP OF 4-IN. CASING, 2.87 FT ABOVE LSD.

LSD 50.18 FT ABOVE NGVD.

HIGHEST WATER LEVEL 113.28 BELOW LSD, JULY 27, 1965,

LOWEST WATER LEVEL 204.76 BELOW LSD, JULY 13, 1979.

RECORDS AVAILABLE 1965-88, 1990-93.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1993	160.27						

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 4-IN. CASING, 1.57 FT ABOVE LSD.

LSD 46 FT ABOVE NGVD.

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. 29, 1993	104.88	JAN. 14, 1994	88.13	APR. 21, 1994	100.88	JULY 25, 1994	104.78

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. LINER, 2.37 FT ABOVE LSD.

LSD 46 FT ABOVE NGVD.

HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966,

LOWEST WATER LEVEL 104.38 BELOW LSD, SEP. 14, 1993.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	87.91	JAN. 14, 1994	91.23	APR. 21, 1994	96.16	JULY 25, 1994	90.41

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,072 FT, SCREENED 1,068-1,072. MP TOP OF 1/2-IN. HOLE IN CAP, 1.25 FT ABOVE LSD.

LSD 46 FT ABOVE NGVD.

HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967,

LOWEST WATER LEVEL 69.83 BELOW LSD, SEP. 14, 1993.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	69.75	JAN. 14 1994	60.60	APR. 21, 1994	62.95	JULY 25, 1994	64.16

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH—Continued

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 72, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,579 FT, SCREENED 2,575-2,579. MP TOP EDGE OF 1 1/2-IN. NIPPLE, 1.83 FT ABOVE LSD.
LSD 46.5 FT ABOVE NGVD.
HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966,
LOWEST WATER LEVEL 204.05 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	164.23	JAN. 14, 1994	178.97	APR. 21, 1994	176.01	JULY 25, 1994	178.97

302553091092001 LOCAL WELL NUMBER: EB-824

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 581 FT, SCREENED 575-581. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.56 FT ABOVE NGVD.
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
DEC. 9, 1993	36.19	JAN. 17, 1994	31.93	APR. 21, 1994	31.24	JULY 26, 1994	35.61

302553091092002 LOCAL WELL NUMBER: EB-825

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 475 FT, SCREENED 469-475. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.57 FT ABOVE NGVD.
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
DEC. 9, 1993	40.00	APR. 21, 1994	36.07	JULY 26, 1994	37.80	SEP. 28, 1994	33.14

303356091095301 LOCAL WELL NUMBER: EB-827

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 364-370. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 63.96 FT ABOVE NGVD.
HIGHEST WATER LEVEL 37.50 BELOW LSD, MAY 15, 1990,
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. 29, 1993	49.82	JAN. 13, 1994	45.92	APR. 25, 1994	42.65	JULY 25, 1994	41.10

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH—Continued

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 CASING, 1.70 FT ABOVE LSD.

LSD 91 FT ABOVE NGVD.

HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966,

LOWEST WATER LEVEL 142.28 BELOW LSD, OCT. 31, 1990.

RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	131.58	JAN. 13, 1994	135.98	APR. 25, 1994	128.48	JULY 25, 1994	131.41

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 NGVD.

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. 30, 1993	54.91	JAN. 13, 1994	55.95	APR. 25, 1994	56.90	JULY 26, 1994	54.50

302710091111501 LOCAL WELL NUMBER: EB-887

OWNER: LOUISIANA CIVIL DEFENSE. (SEC. 71, T. 7S., R. 1W.) DRILLED EMERGENCY SUPPLY ARTESIAN WELL IN ("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 LOOSE BOLT ON SANITARY SEAL, 10.1 FT ABOVE LSD.

LSD 56 FT ABOVE NGVD.

HIGHEST WATER LEVEL 18.92 BELOW LSD, MAR. 1, 1994,

LOWEST WATER LEVEL 33.79 BELOW LSD, JULY 26, 1994.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 31, 1994	18.92	APR. 25, 1994	28.56	JULY 26, 1994	33.79		

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 NGVD.

HIGHEST WATER LEVEL 14.11 BELOW LSD, JULY 26, 1994,

LOWEST WATER LEVEL 20.41 BELOW LSD, NOV. 30, 1993.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	20.41	JAN. 13, 1994	16.40	APR. 25, 1994	15.18	JULY 26, 1994	14.11

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 TOP OF 4-IN. CASING, AT LSD.
LSD 46.56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978,
LOWEST WATER LEVEL 150.27 BELOW LSD, OCT. 6, 1992.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	145.15	JAN. 14, 1994	135.82	APR. 25, 1994	139.59	JULY 26, 1994	144.20

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 NGVD.
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. 30, 1993	48.00	APR. 21, 1994	51.85	JULY 26, 1994	47.50		

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 NGVD.
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. 30, 1993	45.25	APR. 21, 1994	42.25	JULY 26, 1994	43.30		

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,792 FT, SCREENED 2,782-2,792. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 1.63 FT ABOVE LSD.
LSD 59 FT ABOVE NGVD.
HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975,
LOWEST WATER LEVEL 52.25 BELOW LSD, FEB. 22, 1980.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1993	47.97	JAN. 26, 1994	47.59	JUNE 27, 1994	48.19	AUG. 25, 1994	48.47
NOV. 23	47.55	MAR. 28	46.82	JULY 27	48.25	SEP. 26	48.38
DEC. 27	47.37	APR. 28	46.72				

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

302932091101902

LOCAL WELL NUMBER: EB-945

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 654 FT, SCREENED 644-654. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.27 FT ABOVE LSD.

LSD 59 FT ABOVE NGVD.

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. 26, 1993	74.80	JAN. 26, 1994	72.10	JUNE 27, 1994	65.83	AUG. 25, 1994	65.74
NOV. 23	65.78	MAR. 28	69.49	JULY 27	63.44	SEP. 26	65.85
DEC. 23	71.13	APR. 28	71.63				

302932091101903

LOCAL WELL NUMBER: EB-946

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 1,234 FT, SCREENED 1,224-1,234. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.02 FT ABOVE LSD.

LSD 59 FT ABOVE NGVD.

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. 26, 1993	130.58	JAN. 26, 1994	128.18	JUNE 27, 1994	135.74	AUG. 25, 1994	121.67
NOV. 23	128.63	MAR. 28	122.21	JULY 27	133.41	SEP. 26	117.10
DEC. 27	128.03	APR. 28	124.99				

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 NGVD.

HIGHEST WATER LEVEL 44.15 BELOW LSD, APR. 22, 1985.

LOWEST WATER LEVEL 58.14 BELOW LSD, JULY 13, 1993.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1993	58.10	JAN. 13, 1994	53.53	APR. 25, 1994	54.11	JULY 25, 1994	58.10

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 NGVD.

HIGHEST WATER LEVEL 38.70 BELOW LSD, APR. 12, 1983.

LOWEST WATER LEVEL 47.07 BELOW LSD, NOV. 16, 1992.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1993	41.05	JAN. 14, 1994	46.57	APR. 21, 1994	40.18	JULY 26, 1994	42.15

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH--Continued

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 NGVD.
HIGHEST WATER LEVEL 173.99 BELOW LSD, DEC. 28, 1993,
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. 30, 1993	202.85	JAN. 14, 1994	210.20	APR. 25, 1994	205.15	JULY 26, 1994	211.80
DEC. 28	173.99						

302547091123201 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 EDGE OF WELL PROTECTOR, 3.27 FT BELOW LSD.
LSD 97 FT ABOVE NGVD.
HIGHEST WATER LEVEL 81.63 BELOW LSD, APR. 29, 1994,
LOWEST WATER LEVEL 90.21 BELOW LSD, JAN. 18, 1994.
RECORDS AVAILABLE 1990, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1990	87.40	NOV. 24, 1993	88.01	APR. 29, 1994	81.63	JULY 26, 1994	84.23
JULY 26, 1993	83.27	JAN. 18, 1994	90.21				

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.05 FT ABOVE LSD.
LSD 97 FT ABOVE NGVD.
HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,
LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.
RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	9.85	JAN. 3, 1994	10.93	MAY 10, 1994	2.71	JULY 13, 1994	9.92

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 ZONE 1 AQUIFER 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 NGVD.

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
DEC. 1, 1993	80.47	JAN. 18, 1994	80.35	APR. 26, 1994	80.65	JULY 28, 1994	82.60

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 NGVD.

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
DEC. 1, 1993	205.77	JAN. 18, 1994	198.40	APR. 26, 1994	200.89	JULY 28, 1994	202.93

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 IN., DEPTH 2,000 FT, SCREENED 1,935-2,000. MP TOP OF SANITARY SEAL, 1.55 FT ABOVE LSD.

LSD 135 FT ABOVE NGVD.

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
DEC. 1, 1993	133.02	JAN. 18, 1994	128.05	APR. 26, 1994	123.80	JULY 28, 1994	131.88

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 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 NGVD.

HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951,

LOWEST WATER LEVEL 108.60 BELOW LSD, JUNE 10, 1982.

RECORDS AVAILABLE 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	89.94H	JAN. 20, 1994	85.97	APR. 20, 1994	93.56	JULY 15, 1994	97.07
OCT. 10	94.36	JAN. 25	85.54	APR. 25	95.67	JULY 20	95.45
OCT. 15	95.67	JAN. 31	85.30	APR. 30	101.81	JULY 25	94.18
OCT. 20	93.78	FEB. 5	85.03	MAY 3	103.22H	JULY 31	94.30
OCT. 25	92.61	FEB. 10	84.75	MAY 5	101.23	AUG. 4	94.45H
OCT. 31	91.79	FEB. 15	84.86	MAY 10	99.41	AUG. 5	93.87
NOV. 5	90.33	FEB. 20	84.56	MAY 15	99.68	AUG. 10	93.14
NOV. 10	89.97	FEB. 25	84.31	MAY 20	96.83	AUG. 15	93.41
NOV. 15	89.11	FEB. 28	84.32	MAY 25	99.36	AUG. 20	91.76
NOV. 20	88.87	MAR. 5	84.05	MAY 31	103.91J	AUG. 25	91.56
NOV. 25	88.49	MAR. 9	83.79J	JUNE 5	101.22	AUG. 31	91.27
NOV. 30	88.12H	MAR. 10	85.14	JUNE 10	98.49	SEP. 5	90.49
DEC. 5	87.72	MAR. 15	86.42	JUNE 15	95.73	SEP. 7	90.19H
DEC. 7	87.63H	MAR. 20	91.64	JUNE 20	99.22	SEP. 10	89.99
DEC. 10	87.28	MAR. 25	94.65	JUNE 25	102.76	SEP. 15	89.52
JAN. 4, 1994	86.14H	MAR. 31	87.85	JUNE 29	102.70H	SEP. 20	89.20
JAN. 5	86.26	APR. 5	99.81	JUNE 30	102.86	SEP. 25	89.47
JAN. 10	86.12	APR. 10	96.23	JULY 5	102.25	SEP. 30	88.78
JAN. 15	86.49	APR. 15	94.22	JULY 10	99.95		

FRANKLIN PARISH

320941091411301

LOCAL WELL NUMBER: FR-720

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 14N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 100 FT, SCREENED 97-100. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 75 FT ABOVE NGVD.

HIGHEST WATER LEVEL 17.48 BELOW LSD, SEP. 13, 1994,

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. 24, 1994	17.71	SEP. 13, 1994	17.48				

See footnotes at end of table.

GROUND-WATER LEVELS

FRANKLIN PARISH--Continued

320958091425501

LOCAL WELL NUMBER: FR-721

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 14N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 77 FT, SCREENED 72-77. MP TOP OF CASING, 2.10 FT ABOVE LSD.

LSD 65 FT ABOVE NGVD.

HIGHEST WATER LEVEL 7.16 BELOW LSD, MAY 9, 1991,

LOWEST WATER LEVEL 11.60 BELOW LSD, AUG. 20, 1990.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	11.15	JAN. 10, 1994	10.87	APR. 10, 1994	9.87	JULY. 10, 1994	10.71
OCT. 6	11.25J	JAN. 15	10.90	APR. 13	9.61H	JULY 15	10.39
OCT. 10	11.23	JAN. 20	10.49	APR. 15	9.84	JULY 16	10.35H
OCT. 20	11.21	JAN. 31	9.62	APR. 25	10.33	JULY 25	10.57
OCT. 25	11.15	FEB. 5	10.08	APR. 30	10.44	JULY 31	10.64
OCT. 31	11.14	FEB. 10	9.90	MAY 5	10.34	AUG. 5	10.71
NOV. 5	11.07	FEB. 15	9.56	MAY 10	10.43	AUG. 10	10.73
NOV. 10	11.09	FEB. 20	10.04	MAY 15	10.49	AUG. 15	10.77
NOV. 15	10.94	FEB. 25	9.86	MAY 20	10.54	AUG. 20	10.86
NOV. 20	11.01	FEB. 28	10.04	MAY 25	10.60	AUG. 25	10.78
NOV. 25	11.05	MAR. 5	9.72	MAY 31	10.57	AUG. 31	10.81
NOV. 30	11.05	MAR. 10	9.13	JUNE 5	10.67	SEP. 5	10.84
DEC. 5	10.88	MAR. 11	9.10J	JUNE 9	10.75H	SEP. 7	10.84
DEC. 10	11.01	MAR. 15	9.70	JUNE 10	10.75	SEP. 10	10.85
DEC. 15	10.92	MAR. 20	9.99	JUNE 15	10.42	SEP. 12	10.95
DEC. 20	10.99	MAR. 24	10.18H	JUNE 20	10.58	SEP. 15	10.86
DEC. 25	10.97	MAR. 25	10.19	JUNE 25	10.61	SEP. 20	10.76
DEC. 31	11.02	MAR. 31	10.19	JUNE 30	10.69	SEP. 25	10.81
JAN. 1, 1994	11.01H	APR. 5	10.22	JULY 5	10.74	SEP. 30	10.82
JAN. 5	10.84	APR. 6	9.68H	JULY 8	10.84H		

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 NGVD.

HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980,

LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	68.07	JAN. 4, 1994	68.59	APR. 11, 1994	68.53	JULY 6, 1994	68.63
NOV. 29	68.37						

See footnotes at end of table.

GROUND-WATER LEVELS

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 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 NGVD.

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. 8, 1993	16.21	DEC. 7, 1993	14.55	MAR. 25, 1994	18.02	MAY 3, 1994	17.41

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 GONZALES-NEW ORLEANS 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 NGVD.

HIGHEST WATER LEVEL 6.60 ABOVE LSD, JUNE 5, 1990,

LOWEST WATER LEVEL 11.42 BELOW LSD, NOV. 27, 1989.

RECORDS AVAILABLE 1959-60, 1964, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1993	10.17	APR. 12, 1994	+6.45	JUNE 30, 1994	6.15	SEP. 20, 1994	7.21
JAN. 24, 1994	7.21						

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 SAND 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 NGVD.

HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961,

LOWEST WATER LEVEL 201.67 BELOW LSD, JULY 6, 1993.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1993	200.98	APR. 12, 1994	195.93	JULY 13, 1994	198.96		

See footnotes at end of table.

GROUND-WATER LEVELS

JACKSON PARISH--Continued

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 220 FT ABOVE NGVD.

HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975,

LOWEST WATER LEVEL 241.10 BELOW LSD, JAN. 31, 1994.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1993	240.36	JAN. 31, 1994	241.10	APR. 29, 1994	240.85	JULY 28, 1994	240.20
NOV. 29	240.95	FEB. 28	240.62	MAY 31	239.90	AUG. 31	240.45
DEC. 29	241.02	MAR. 31	240.48	JUNE 29	240.24	SEP. 28	241.05

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 GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-IN. PLASTIC LINER, 2.05 FT ABOVE LSD.

LSD 9 FT ABOVE NGVD.

HIGHEST WATER LEVEL 63.79 BELOW LSD, APR. 21, 1993,

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
DEC. 14, 1993	73.08	APR. 12, 1994	70.08	JUNE 30, 1994	74.75	SEP. 20, 1994	74.08
JAN. 24, 1994	69.18						

JEFFERSON DAVIS PARISH

301355092463001 LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 318 FT, SCREENED 238-318. MP LOWER LIP OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.

LSD 24.1 FT ABOVE NGVD.

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
DEC. 8, 1993	59.98	JAN. 26, 1994	58.13	MAY 4, 1994	59.14	JULY 12, 1994	56.98

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 290 FT, SCREENED 270-290. MP TOP OF 4-IN. CASING COLLAR, 3.00 FT ABOVE LSD.
 LSD 21.36 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 46.91 BELOW LSD, APR. 7, 1992,
 LOWEST WATER LEVEL 107.41 BELOW LSD, JULY 19, 1980.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	59.82	DEC. 25, 1993	52.89	APR. 10, 1994	70.57	JULY 10, 1994	85.37
OCT. 10	59.33	DEC. 31	52.63	APR. 15	66.66	JULY 12	76.15H
OCT. 15	59.47	JAN. 4, 1994	52.36H	APR. 20	63.84	JULY 15	74.60
OCT. 20	59.45	JAN. 5	52.28H	APR. 25	68.05	JULY 29	69.44H
OCT. 25	59.19	JAN. 10	52.15	APR. 30	73.81	JULY 31	71.26
OCT. 31	58.65	JAN. 25	51.48	MAY 4	70.86H	AUG. 5	74.65H
NOV. 5	57.77	JAN. 26	51.48H	MAY 5	71.23	AUG. 10	70.26
NOV. 10	57.08	JAN. 31	51.20	MAY 10	73.94	AUG. 20	65.38
NOV. 15	55.99	FEB. 5	50.87	MAY 15	78.19	AUG. 25	63.17
NOV. 20	55.91	FEB. 9	50.62J	MAY 20	73.98	AUG. 31	60.75
NOV. 25	55.35	FEB. 10	50.63	MAY 25	79.23	SEP. 5	59.29
NOV. 30	54.85	FEB. 15	50.77H	JUNE 15	69.01	SEP. 10	61.14
DEC. 5	54.47	FEB. 24	50.78H	JUNE 20	70.24	SEP. 15	59.67
DEC. 8	54.87H	MAR. 2	51.42H	JUNE 25	71.84	SEP. 20	59.08
DEC. 10	54.09	MAR. 30	60.27H	JUNE 30	82.43	SEP. 25	58.81
DEC. 15	53.27	MAR. 31	64.42	JULY 5	86.66	SEP. 30	58.94
DEC. 20	53.15	APR. 5	74.42	JULY 9	88.26J		

301356092462701

LOCAL WELL NUMBER: JD-773

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 9S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 666 FT, SCREENED 656-666. MP TOP OF CASING, 3.20 ABOVE LSD.
 LSD 22 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 54.42 BELOW LSD, APR. 4, 1990,
 LOWEST WATER LEVEL 65.62 BELOW LSD, JULY 10, 1990.
 RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1993	62.38	JAN. 26, 1994	56.12	MAY 4, 1994	61.43	JULY 12, 1994	58.38

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 152 FT, SCREENED 146-152. MP TOP OF 1-IN. NIPPLE, 0.29 FT ABOVE LSD.
 LSD 40.37 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.48 BELOW LSD, JAN. 27, 1994,
 LOWEST WATER LEVEL 47.17 BELOW LSD, OCT. 20, 1981.
 RECORDS AVAILABLE 1981-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1993	43.53	JAN. 27, 1994	41.48	MAY 3, 1994	42.59	JULY 12, 1994	42.93

See footnotes at end of table.

GROUND-WATER LEVELS

LASALLE PARISH

315444092122801 LOCAL WELL NUMBER: LA-254A

OWNER: CITY OF OLLA. (SEC. 30, T. 11N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COCKFIELD AQUIFER OF EOCENE AGE, DIAM 10 IN., DEPTH 510 FT, SCREENED 450-510. MP TOP OF 2-IN. ACCESS PIPE, 0.50 FT ABOVE LSD. LSD 160 FT ABOVE NGVD.
 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. 6, 1993	76.47	JAN. 13, 1994	78.37	APR. 8, 1994	75.58	JULY 8, 1994	78.28

LINCOLN PARISH

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH. (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 TO 6 IN., DEPTH 686 FT, SCREENED 633-686. MP TOP OF 3/4-IN. HOLE IN PLATE 2.00 FT ABOVE LSD. RECORDER REMOVED FROM WELL SEP. 17, 1992. LSD 155 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950,
 LOWEST WATER LEVEL 175.45 BELOW LSD, JULY 8, 1994.
 RECORDS AVAILABLE 1950, 1962, 1967-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1993	174.95	JAN. 3, 1994	175.01	APR. 8, 1994	174.73	JULY 8, 1994	175.45

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 NGVD.
 HIGHEST WATER LEVEL 16.20 ABOVE LSD, NOV. 30, 1950,
 LOWEST WATER LEVEL 41.20 ABOVE LSD, OCT. 18, 1982.
 RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	+46.80	JAN. 20, 1994	+51.00	APR. 27, 1994	+49.10	JULY 29, 1994	+47.70

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 NGVD.
 HIGHEST WATER LEVEL 10.98 BELOW LSD, APR. 14, 1967,
 LOWEST WATER LEVEL 20.00 BELOW LSD, APR. 12, 1989.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	18.75	JAN. 20, 1994	18.22	APR. 27, 1994	15.63	JULY 29, 1994	19.05

See footnotes at end of table.

GROUND-WATER LEVELS
LIVINGSTON PARISH--Continued

302450090355601 LOCAL WELL NUMBER LI-122

OWNER: BLOOD RIVER CHURCH OF GOD. (SEC. 45, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/2 IN., REPORTED DEPTH 500 FT, SCREENED 490-500. MP TOP EDGE OF 3/4-IN. NIPPLE, 0.50 FT ABOVE LSD.

LSD 11 FT ABOVE NGVD.

HIGHEST WATER LEVEL 13.40 ABOVE LSD, JULY 15, 1966,

LOWEST WATER LEVEL 2.09 ABOVE LSD, NOV. 1, 1989.

RECORDS AVAILABLE 1966, 1984, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	+4.30	JAN. 20, 1994	+4.60	APR. 27, 1994	+5.10	JULY 29, 1994	+6.80

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 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 NGVD.

HIGHEST WATER LEVEL 41.14 BELOW LSD, FEB. 3, 1989,

LOWEST WATER LEVEL 60.95 BELOW LSD, NOV. 9, 1992.

RECORDS AVAILABLE 1979, 1983, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	59.37	JAN. 20, 1994	60.12	APR. 27, 1994	56.11	JULY 29, 1994	55.15

MADISON PARISH

3226140911322031 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 NGVD.

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, 1993	12.09	MAR. 22, 1994	7.76	JULY 3, 1994	12.03	SEP 13, 1994	11.49
JAN. 3, 1994	7.90	APR. 6	6.82				

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 NGVD.

HIGHEST WATER LEVEL 4.96 BELOW LSD, MAR. 22, 1994,

LOWEST WATER LEVEL 10.56 BELOW LSD, AUG. 31, 1993.

RECORDS AVAILABLE 1975, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1994	4.96	SEP. 13, 1994	9.14				

See footnotes at end of table.

GROUND-WATER LEVELS

MOREHOUSE PARISH

324626091543901LOCAL 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 NGVD.

HIGHEST WATER LEVEL 143.59 BELOW LSD, JUNE 6, 1989,

LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	161.18	JAN. 4, 1994	158.43	APR. 4, 1994	152.58	JULY 13, 1994	160.17

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 NGVD.

HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961,

LOWEST WATER LEVEL 23.88 BELOW LSD, SEP. 1, 1982.

RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	12.89	JAN. 4, 1994	11.25	APR. 4, 1994	6.47	JULY 13, 1994	11.92

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 NGVD.

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. 29, 1994	89.80	SEP. 15, 1994	91.17				

224753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 176 FT, SCREENED 166-176. MP TOP OF BUSHING, 3.72 FT ABOVE LSD.

LSD 88.41 FT ABOVE NGVD.

HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,

LOWEST WATER LEVEL 13.79 BELOW LSD, AUG. 26, 1981.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	11.40	JAN. 4, 1994	8.21	APR. 4, 1994	4.08	JULY 13, 1994	13.51

GROUND-WATER LEVELS
MOREHOUSE PARISH—Continued

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 NGVD.
HIGHEST WATER LEVEL 54.30 BELOW LSD, JULY 13, 1994,
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
JULY 13, 1994	54.30						

325356091344801 LOCAL WELL NUMBER: MO-708

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED UNUSED OBSERVATION WELL IN THE COCKFIELD AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 376 FT, SCREENED 246-266 AND 256-762. MP TOP OF CASING, AT LSD.
LSD 96 FT ABOVE NGVD.
HIGHEST WATER LEVEL 26.28 BELOW LSD, APR. 5, 1994,
LOWEST WATER LEVEL 29.44 BELOW LSD, JULY 13, 1994.
RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	28.94	JAN. 4, 1994	27.70	APR. 5, 1994	26.64	JULY 13, 1994	29.44

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 NGVD.
HIGHEST WATER LEVEL 12.29 BELOW LSD, SEP. 3, 1991,
LOWEST WATER LEVEL 16.08 BELOW LSD, SEP. 1, 1992.
RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 29, 1994	14.11	SEP. 13, 1994	15.25				

GROUND-WATER LEVELS

MOREHOUSE PARISH--Continued

325359091344802 LOCAL WELL NUMBER: MO-842

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED UNUSED 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 NGVD.

HIGHEST WATER LEVEL 30.49 BELOW LSD, JULY 1, 1992,

LOWEST WATER LEVEL 34.58 BELOW LSD, SEP. 1, 1992.

RECORDS AVAILABLE 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	33.86	MAR. 29, 1994	32.38	JULY 3, 1994	33.48	SEP. 15, 1994	33.93
JAN. 4, 1994	32.97	APR. 5	31.88				

NATCHITOCHES PARISH

312934093114801 LOCAL WELL NUMBER: NA-9

OWNER: U.S. FOREST SERVICE. (SEC. 21, T. 6N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN IN 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 NGVD.

HIGHEST WATER LEVEL 5.34 ABOVE LSD, OCT. 6, 1993,

LOWEST WATER LEVEL 9.46 BELOW LSD, OCT. 22, 1992.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	5.34	FEB. 16, 1994	8.52	APR. 4, 1994	8.39	JULY 6, 1994	6.78

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.

LSD 102.59 FT ABOVE NGVD.

HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969,

LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1993	8.73	JAN. 13, 1994	6.99	APR. 8, 1994	3.23	JUNE 28, 1994	5.46
NOV. 23	7.71	MAR. 4	2.49	MAY 18	2.65	AUG. 9	7.40

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 GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., REPORTED DEPTH 775 FT, SCREENED 664-775. MP TOP OF 2 X 6-IN. RECORDER BASE, 1.00 FT ABOVE LSD.

LSD 10 FT ABOVE NGVD.

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. 1, 1993	80.94J	JAN. 31, 1994	72.20	APR. 20, 1994	72.27	JULY 15, 1994	76.79
OCT. 5	80.67	FEB. 5	71.67	APR. 25	72.58	JULY 20	76.65
OCT. 10	80.53	FEB. 10	72.40S	APR. 30	72.70	JULY 25	76.59
OCT. 15	80.63	FEB. 15	72.31	MAY 5	72.95	JULY 31	76.56
OCT. 20	80.65	FEB. 20	71.94	MAY 10	73.17	AUG. .3	76.35S
OCT. 25	80.42	FEB. 25	72.01	MAY 15	73.75	AUG. 5	76.48
OCT. 31	80.07	FEB. 28	71.93	MAY 20	74.43	AUG. 10	76.39
NOV. 5	80.00	MAR. .5	71.68	MAY 25	75.06	AUG. 5	76.13
DEC. 14	77.52S	MAR. 10	71.36	MAY 31	75.42	AUG. 20	76.29
DEC. 20	75.93	MAR. 11	70.92J	JUNE 5	75.86	AUG. 25	76.19
DEC. 25	75.79	MAR. 15	71.19	JUNE 6	76.08S	AUG. 31	76.53
DEC. 31	75.44	MAR. 20	71.37	JUNE 10	76.44	SEP. 5	76.59
JAN. 5, 1994	75.16	MAR. 25	71.57	JUNE 15	76.50	SEP. 10	76.79
JAN. 10	75.84S	MAR. 31	71.79	JUNE 20	76.30	SEP. 13	76.09S
JAN. 15	73.90	APR. 5	71.97	JUNE 25	76.92	SEP. 15	75.92
JAN. 20	73.16	APR. 10	72.09	JUNE 30	77.85S	SEP. 20	75.46
JAN. 24	74.30S	APR. 12	71.84S	JULY 5	76.83	SEP. 25	74.96
JAN. 25	72.79	APR. 15	72.19	JULY 10	76.80	SEP. 30	74.79

300525089464001

LOCAL WELL NUMBER: OR-175

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 449 FT, SCREENED 439-449. MP TOP OF 2-IN. COLLAR, 0.60 FT ABOVE LSD.

LSD 10 FT ABOVE NGVD.

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
DEC. 15, 1993	29.49	JAN. 25, 1994	35.51	APR. 13, 1994	32.49	JULY 1, 1994	38.72

300959089441901

LOCAL WELL NUMBER: OR-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 10S., R. 15E.) DRILLED OBSERVATION ARTESIAN WELL IN ABITA AQUIFER (ZONE 2) OF PLEISTOCENE 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 NGVD.

HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965,

LOWEST WATER LEVEL 53.60 ABOVE LSD, APR. 13, 1994.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1993	+56.40	JAN. 25, 1994	+55.50	APR. 13, 1994	+53.60	JULY 1, 1994	+56.50

See footnotes at end of table.

GROUND-WATER LEVELS

ORLEANS PARISH--Continued

300349089562401 LOCAL WELL NUMBER: OR-203

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 11S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN 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 BELOW LSD.
 LSD 5 FT BELOW NGVD.
 HIGHEST WATER LEVEL 58.42 BELOW LSD, FEB. 5, 1993,
 LOWEST WATER LEVEL 81.72 ABOVE LSD, SEP. 29, 1981.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1994	65.88	MAR. 29, 1994	65.93				

300149090041701 LOCAL WELL NUMBER: OR-214

OWNER: UNIV. OF NEW ORLEANS. (SEC. 108, T. 12S., R. 11E.) DRILLED AIR CONDITIONING SUPPLY ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 3/4 IN., DEPTH 630 FT, SCREENED 527-630. MP TOP OF 2-IN. CASING, 2.00 FT BELOW LSD.
 LSD 5 FT BELOW NGVD.
 HIGHEST WATER LEVEL 95.07 BELOW LSD, APR. 22, 1993,
 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
DEC. 15, 1993	115.80	JAN. 25, 1994	116.77	APR. 13, 1994	114.07	JULY 1, 1994	117.40

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, 0.25 FT ABOVE LSD.
 LSD 60 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 194.60 BELOW LSD, MAY 3, 1956,
 LOWEST WATER LEVEL 282.06 BELOW LSD, SEP. 21, 1994.
 RECORDS AVAILABLE 1956, 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	278.37	JAN. 5, 1994	264.32H	APR. 5, 1994	266.27	JULY 5, 1994	278.26
OCT. 7	281.15J	JAN. 10	264.76	APR. 10	263.30	JULY 6	279.46H
OCT. 10	277.26	JAN. 15	265.34	APR. 12	261.95H	JULY 10	278.29
OCT. 12	272.55H	JAN. 20	270.86	APR. 15	261.41	JULY 15	277.35
OCT. 15	274.26	JAN. 25	266.76	APR. 20	262.24	JULY 20	279.17
OCT. 20	273.64	JAN. 28	272.20J	APR. 25	261.04	JULY 25	279.50
OCT. 25	276.35	JAN. 31	265.63	APR. 30	262.81	JULY 31	281.26
OCT. 31	269.68	FEB. 5	266.14	MAY 5	263.94	AUG. 5	278.41
NOV. 5	273.69	FEB. 10	266.48	MAY 10	266.95	AUG. 10	279.93
NOV. 10	272.14	FEB. 15	266.22	MAY 15	265.78	AUG. 15	277.21
NOV. 15	267.88	FEB. 20	265.26	MAY 20	271.53	AUG. 20	275.56
NOV. 20	266.87	FEB. 25	265.50	MAY 25	271.30	AUG. 21	272.56J
NOV. 25	268.72	FEB. 28	265.13	MAY 31	267.55	SEP. 7	275.74
NOV. 30	269.63	MAR. 5	263.58	JUNE 5	271.04	SEP. 10	276.08
DEC. 5	265.90	MAR. 8	251.52J	JUNE 10	271.32	SEP. 15	278.90
DEC. 10	269.94	MAR. 10	269.56	JUNE 15	275.04	SEP. 20	280.98
DEC. 15	270.49	MAR. 15	264.52	JUNE 20	277.13	SEP. 21	282.06J
DEC. 20	266.49	MAR. 20	262.19	JUNE 25	277.10	SEP. 25	276.17
DEC. 25	266.08	MAR. 25	262.29	JUNE 30	280.09	SEP. 30	276.36
DEC. 31	263.09	MAR. 31	263.34				

See footnotes at end of table.

GROUND-WATER LEVELS

OUACHITA PARISH--Continued

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 NGVD.

HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967,

LOWEST WATER LEVEL 104.66 BELOW LSD, APR. 5, 1994.

RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 5, 1994	104.66	SEP. 15, 1994	102.57				

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, 0.25 FT ABOVE LSD.

LSD 63.3 FT ABOVE NGVD.

HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965,

LOWEST WATER LEVEL 53.49 BELOW LSD, SEP. 13, 1994.

RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1994	52.55	SEP. 13, 1994	53.49				

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 BUSHING, 0.35 FT ABOVE LSD.

LSD 63.3 FT ABOVE NGVD.

HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967,

LOWEST WATER LEVEL 62.85 BELOW LSD, SEP. 13, 1994.

RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1994	61.53	SEP. 13, 1994	62.85				

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 NGVD.

HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968,

LOWEST WATER LEVEL 124.53 BELOW LSD, SEP. 13, 1994.

RECORDS AVAILABLE 1965-71, 1974-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1994	122.09	SEP. 13, 1994	124.53				

GROUND-WATER LEVELS

OUACHITA PARISH--Continued

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 NGVD.

HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969,

LOWEST WATER LEVEL 224.70 BELOW LSD, OCT. 9, 1990.

RECORDS AVAILABLE 1969-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1993	222.52	JAN. 6, 1994	220.53	APR. 7, 1994	219.45	JULY 8, 1994	221.59

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 REDUCER AT WELL, 1.30 FT ABOVE LSD.

LSD 41 FT ABOVE NGVD.

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. 1, 1993	17.51	JAN. 12, 1994	14.47	APR. 20, 1994	17.50	JULY 11, 1994	15.40

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 NGVD.

HIGHEST WATER LEVEL 20.10 ABOVE LSD, FEB. 2, 1961,

LOWEST WATER LEVEL 64.42 BELOW LSD, DEC. 6, 1990.

RECORDS AVAILABLE 1961-63, 1964-69, 1970-71, 1988, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1993	61.83	JAN. 12, 1994	62.06	APR. 20, 1994	57.99	JULY 11, 1994	61.66

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: THEO H. GLAZIER, SR. (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 CENTER LINE OF DISCHARGE PIPE, 0.80 FT ABOVE LSD.

LSD 26 FT ABOVE NGVD.

HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960,

LOWEST WATER LEVEL 2.10 ABOVE LSD, OCT. 5, 1990.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1993	+5.00	JAN. 12, 1994	+4.20	APR. 20, 1994	+4.40	JULY 11, 1994	+4.00

See footnotes at end of table.

GROUND-WATER LEVELS

POINTE COUPEE PARISH—Continued

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 COLLAR, 0.60 FT ABOVE LSD.

LSD 27 FT ABOVE NGVD.

HIGHEST WATER LEVEL 16.64 BELOW LSD, MAY 23, 1973,

LOWEST WATER LEVEL 39.55 BELOW LSD, NOV. 11, 1992.

RECORDS AVAILABLE 1972-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1993	38.13	JAN. 12, 1994	37.92	APR. 20, 1994	36.70	JULY 11, 1994	36.58

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 3/8-IN. HOLE IN 2-IN. PLUG ATOP WELL, 2.50 FT ABOVE LSD.

LSD 41 FT ABOVE NGVD.

HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968,

LOWEST WATER LEVEL 9.85 BELOW LSD, OCT. 5, 1990.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1993	9.10	JAN. 12, 1994	7.40	APR. 20, 1994	9.05	JULY 11, 1994	6.45

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 1/4-IN. HOLE IN 2-IN. TEE, 2.66 FT ABOVE LSD.

LSD 41 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968,

LOWEST WATER LEVEL 10.19 BELOW LSD, OCT. 5, 1990.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1993	8.32	JAN. 12, 1994	8.57	APR. 20, 1994	9.54	JULY 11, 1994	7.59

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 IN., DEPTH 1,263 FT, SCREENED 1,174-1,228 AND 1,237-1,263. MP TOP OF BREATHER PIPE, 1.00 FT ABOVE LSD.

LSD 36 FT ABOVE NGVD.

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
JAN. 12, 1994	65.55	APR. 20, 1994	66.40	JULY 11, 1994	66.80		

GROUND-WATER LEVELS

POINTE COUPEE PARISH--Continued

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 IN., REPORTED DEPTH 990 FT, SCREENED 970-990. MP TOP OF BOLT HOLE ON NW SIDE OF SANITARY SEAL, 0.35 FT ABOVE LSD.

LSD 25 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 8, 1975,

LOWEST WATER LEVEL 33.50 BELOW LSD, OCT. 19, 1988.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1993	32.13	JAN. 12, 1994	31.13	APR. 20, 1994	31.87	JULY 11, 1994	30.78

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 CHICOT 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 NGVD.

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. 5, 1993	50.86	JAN. 4, 1994	51.52	APR. 12, 1994	51.01	JULY 7, 1994	51.04

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.

LSD 300 FT ABOVE NGVD.

HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969,

LOWEST WATER LEVEL 219.44 BELOW LSD, OCT. 5, 1993.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	219.44	JAN. 5, 1994	219.02	APR. 12, 1994	219.09	JULY 6, 1994	219.33

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 MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 1,555 FT, SCREENED 1,545-1,555. MP TOP OF BUSHING, 0.55 FT BELOW LSD.

LSD 240 FT ABOVE NGVD.

HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977,

LOWEST WATER LEVEL 246.18 BELOW LSD, APR. 24, 1991.

RECORDS AVAILABLE 1974-CURRENT YEAR.

WATER DATE	LEVEL	WATER DATE	LEVEL	WATER DATE	LEVEL	WATER DATE	LEVEL
OCT. 5, 1993	244.11	JAN. 4, 1994	242.72	APR. 12, 1994	241.92	JULY 7, 1994	243.78

GROUND-WATER LEVELS

RAPIDES PARISH--Continued

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 500 FT, SCREENED 490-500. MP TOP OF BUSHING, AT LSD.

LSD 100 FT ABOVE NGVD.

HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975,

LOWEST WATER LEVEL 53.48 BELOW LSD, AUG. 19, 1986.

RECORDS AVAILABLE 1975-84, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	53.04	JAN. 4, 1994	52.82	APR. 12, 1994	52.32	JULY 7, 1994	52.67

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 MEMBER OF THE FLEMING FM. 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 NGVD.

HIGHEST WATER LEVEL 56.10 BELOW LSD, DEC. 1, 1981,

LOWEST WATER LEVEL 77.42 BELOW LSD, JULY 7, 1994.

RECORDS AVAILABLE 1981-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	77.06	JAN. 4, 1994	76.88	APR. 12, 1994	76.93	JULY 7, 1994	77.42

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 GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, AT LSD.

LSD 160 FT ABOVE NGVD.

HIGHEST WATER LEVEL 17.67 BELOW LSD, MAR. 29, 1993,

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, 1993	18.52	JAN. 5, 1994	18.31	APR. 4, 1994	18.02	JULY 5, 1994	17.95

320019093225603 LOCAL WELL NUMBER: RR-280

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 42 FT, SCREENED 39-42. MP TOP OF CASING, 4.70 FT ABOVE LSD.

LSD 128 FT ABOVE NGVD.

HIGHEST WATER LEVEL 1.00 BELOW LSD, JUNE 4, 1990,

LOWEST WATER LEVEL 15.20 BELOW LSD, OCT. 16, 1984.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1993	11.87	JAN. 11, 1994	11.37	APR. 6, 1994	6.46	JUNE 29, 1994	6.95

GROUND-WATER LEVELS

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 COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD.

LSD 84 FT ABOVE NGVD.

HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975,

LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.

RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	19.71	JAN. 5, 1994	19.84	APR. 4, 1994	19.27	JULY 14, 1994	19.62

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 IN., DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD.

LSD 80 FT ABOVE NGVD.

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. 6, 1993	10.61	JAN. 5, 1994	10.70	APR. 4, 1994	10.03	JULY 14, 1994	10.44
NOV. 24	11.47						

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 67 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.90 FT ABOVE LSD.

LSD 95 FT ABOVE NGVD.

HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978,

LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1994	33.00	SEP. 15, 1994	33.31				

GROUND-WATER LEVELS

RICHLAND PARISH—Continued

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, 4.35 FT ABOVE LSD.
 LSD 95 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 31.65 BELOW LSD, MAR. 9, 1992,
 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. 22, 1994	31.93	SEP. 15, 1993	32.10				

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 NGVD.
 HIGHEST WATER LEVEL 31.65 BELOW LSD, MAR. 9, 1992,
 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. 22, 1994	32.07	SEP. 14, 1994	32.40				

SABINE PARISH

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 10 IN., DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.80 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 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. 6, 1993	12.47	JAN. 5, 1994	11.09	APR. 13, 1994	7.13	JULY 6, 1994	9.42

GROUND-WATER LEVELS

SABINE PARISH--Continued

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. 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 NGVD.

HIGHEST WATER LEVEL 23.49 BELOW LSD, MAR. 31, 1993,

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. 6, 1993	24.44	JAN. 5, 1994	24.70	APR. 13, 1994	24.09	JULY 6, 1994	23.78

ST. CHARLES PARISH

300022090241001 LOCAL WELL NUMBER: SC-9

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 24 IN., DEPTH 808 FT, SCREENED 673-808. MP TOP OF 9-IN. CASING, 3.0 FT. ABOVE LSD.

LSD 4.79 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.40 BELOW LSD, JAN. 19, 1950,

LOWEST WATER LEVEL 39.98 BELOW LSD, SEP. 14, 1953.

RECORDS AVAILABLE 1943, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1993	25.32	APR. 12, 1994	20.13	JUNE 30, 1994	26.70	SEP. 26, 1994	25.46
JAN. 24, 1994	25.62						

300022090241002 LOCAL WELL NUMBER: SC-14

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN., DEPTH 404 FT, SCREENED 324-404. MP BOTTOM EDGE GAGE HOUSE DOOR, 2.5 FT ABOVE LSD.

LSD 5.51 FT ABOVE NGVD.

HIGHEST WATER LEVEL 15.22 BELOW LSD, MAY 5, 1988,

LOWEST WATER LEVEL 90.74 BELOW LSD, SEP. 17, 1957.

RECORDS AVAILABLE 1942, 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1993	25.52	APR. 12, 1994	28.45	JUNE 30, 1994	25.98	SEP. 26, 1994	29.90
JAN. 24, 1994	24.45						

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 IN., DEPTH 2,135 FT, SCREENED 2,106-2,135. MP 3/8-IN. HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.

LSD 165 FT ABOVE NGVD.

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
DEC. 2, 1993	83.32	JAN. 20, 1994	84.27	APR. 27, 1994	81.24	JULY 29, 1994	84.02

GROUND-WATER LEVELS

ST. JAMES PARISH

300024090433501 LOCAL WELL NUMBER: SJ-86

OWNER: RICHARD J. BRAZAN. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 290 FT, SCREENED 280-290. MP TOP OF 2-IN. NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.

LSD 18.3 FT ABOVE NGVD.

HIGHEST WATER LEVEL 3.76 BELOW LSD, MAY 8, 1991,

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
DEC. 15, 1993	13.74	JAN. 25, 1994	12.81	APR. 13, 1994	5.80	JULY 1, 1994	7.96

300445090520301 LOCAL WELL NUMBER: SJ-203

OWNER: RIVER ROAD FARM SUPPLY CO. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN THE NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 444 FT, SCREENED 384-444. MP TOP 1 1/2-IN. BREATHER PIPE, 0.65 FT ABOVE LSD.

LSD 19 FT ABOVE NGVD.

HIGHEST WATER LEVEL 2.57 BELOW LSD, MAY 8, 1991,

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
DEC. 15, 1993	14.50	JAN. 25, 1994	13.05	APR. 13, 1994	13.64	JULY 1, 1994	14.50

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 GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 315 FT, SCREENED 305-315. MP TOP OF 4-IN. CAP, 2.60 FT ABOVE LSD.

LSD 17.71 FT ABOVE NGVD.

HIGHEST WATER LEVEL 3.91 BELOW LSD, MAY 17, 1973,

LOWEST WATER LEVEL 21.34 BELOW LSD, JAN. 13, 1964.

RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1993	18.51	APR. 13, 1994	16.86	JULY 1, 1994	16.54		

301247090245901 LOCAL WELL NUMBER: SJB-165

OWNER: CONSOLIDATED WW DIST NO. 1. (SEC. 5, T. 10S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN 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 NGVD.

HIGHEST WATER LEVEL 94.80 ABOVE LSD, SEP. 23, 1974,

LOWEST WATER LEVEL 51.90 ABOVE LSD, SEP. 3, 1993.

RECORDS AVAILABLE 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 21, 1994	+63.60	APR. 19, 1994	+62.10	JULY 29, 1994	+59.30		

See footnotes at end of table.

GROUND-WATER LEVELS

ST. JOHN THE BAPTIST PARISH--Continued

301336090244101 LOCAL WELL NUMBER: SJB-176

OWNER: ST JOHN THE BAPTIST PARISH. (SEC. 33, T. 9S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER OF PLIOCENE 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, 2.94 FT ABOVE LSD.
 LSD 5.4 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 72.19 ABOVE LSD, SEP. 16, 1985,
 LOWEST WATER LEVEL 55.74 ABOVE LSD, SEP. 3, 1993.
 RECORDS AVAILABLE 1985, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 21, 1994	+57.90	APR. 19, 1994	+60.40	JULY 29, 1994	+59.00		

301143090260101 LOCAL WELL NUMBER: SJB-180

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 10S., R. 8E.) DRILLED OBSERVATION UNUSED WELL IN COVINGTON AQUIFER OF PLIOCENE AGE, DIAM 8.63 TO 4.5 IN., DEPTH 3091 FT, SCREENED 3070-3091. MP CENTER LINE OF 2-IN. DISCHARGE PIPE, 3.0 FT ABOVE LSD.
 LSD 1 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 67.40 ABOVE LSD, APR. 19, 1994,
 LOWEST WATER LEVEL 62.60 ABOVE LSD, JULY 29, 1994.
 RECORDS AVAILABLE 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 21, 1994	+64.40	APR. 19, 1994	+67.40	JULY 29, 1994	+62.60		

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN. PIPE, 4.00 FT ABOVE LSD.
 LSD 55.23 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958,
 LOWEST WATER LEVEL 54.66 BELOW LSD, MAY 3, 1994.
 RECORDS AVAILABLE 1957-72, 1974-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1993	53.74	JAN. 26, 1994	53.57	MAY 3, 1994	54.66		

See footnotes at end of table.

GROUND-WATER LEVELS

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 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 NGVD.
HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973,
LOWEST WATER LEVEL 9.13 BELOW LSD, NOV. 11, 1987.
RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1993	5.65	MAR. 22, 1994	1.36				

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL
IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 375 FT, SCREENED 370-375. MP TOP OF 2-IN.
CASING, 2.40 FT ABOVE LSD.
LSD 11.34 FT ABOVE NGVD.
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. 8, 1993	6.22	JAN. 27, 1994	3.86	MAY 3, 1994	1.84	JULY 13, 1994	1.07
DEC. 7	1.15	MAR. 22	4.99				

300947091472102 LOCAL WELL NUMBER: SMN-134B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 10S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL
IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 846 FT, SCREENED 836-846. MP TOP OF 2-IN.
CASING, 3.50 FT ABOVE LSD.
LSD 20 FT ABOVE NGVD.
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
DEC. 7, 1993	18.71	JAN. 27, 1994	16.44	MAY 3, 1994	20.15	JULY 13, 1994	16.29

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 638 FT, SCREENED 628-638. MP TOP OF 1 1/2-IN. PIPE,
1.66 FT ABOVE LSD.
LSD 8.72 FT ABOVE NGVD.
HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 15, 1965,
LOWEST WATER LEVEL 10.25 BELOW LSD, DEC. 20, 1976.
RECORDS AVAILABLE 1964-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 6, 1994	8.64	MAR. 30, 1994	7.09				

GROUND-WATER LEVELS

ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: LOUISIANA OFFICE OF STATE PARKS. (SEC. 37, T. 8S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN BIG BRANCH AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 6 IN., DEPTH 1,525 FT, SCREENED INTERVAL UNKNOWN. MP CENTER LINE OF 1/4-IN. DISCHARGE LINE, 2.30 FT BELOW LSD. WELL PLUGGED NOV. 30, 1994. LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 55.90 ABOVE LSD, JULY 25, 1940,
 LOWEST WATER LEVEL 23.40 ABOVE LSD, JULY 14, 1989.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1993	+23.50	JAN. 21, 1994	+24.30	APR. 27, 1994	+27.70	JULY 29, 1994	+26.20

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 10 IN., DEPTH 2,411 FT, SCREENED 2,262-2,411. MP CENTER LINE OF FAUCET OF DISCHARGE LINE, 2.00 FT ABOVE LSD. LSD 10.24 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,
 LOWEST WATER LEVEL 54.50 ABOVE LSD, OCT. 9, 1985.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1993	+55.60	JAN. 21, 1994	+56.20	APR. 27, 1994	+57.50	JULY 29, 1994	+56.90

301920089560801 LOCAL WELL NUMBER: ST-576

OWNER: HOLY REDEEMER COLLEGE. (SEC. 43, T. 8S., R. 13E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLIOCENE 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 NGVD.
 HIGHEST WATER LEVEL 108.00 ABOVE LSD, FEB. 23, 1961,
 LOWEST WATER LEVEL 52.50 ABOVE LSD, OCT. 16, 1990.
 RECORDS AVAILABLE 1961, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3, 1993	+52.60	JAN. 21, 1994	+55.20	APR. 27, 1994	+56.80	JULY 29, 1994	+54.60

See footnotes at end of table.

GROUND-WATER LEVELS

ST. TAMMANY PARISH--Continued

301838089485002 LOCAL WELL NUMBER: ST-776

OWNER: LOUISIANA NATIONAL GUARD. (SEC. 32, T. 8S., R. 14E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN LOWER PONCHATOULA AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 8 TO 4 IN., DEPTH 887 FT, SCREENED 862-887.MP TOP OF CASING, 3.10 FT ABOVE LSD.

LSD 16 FT ABOVE NGVD.

HIGHEST WATER LEVEL 13.80 ABOVE LSD, DEC. 3, 1993,

LOWEST WATER LEVEL 4.70 ABOVE LSD, OCT. 16, 1990.

RECORDS AVAILABLE 1982, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1993	+13.80	JAN. 21, 1994	+8.90	APR. 27, 1994	+9.60	JULY 29, 1994	+8.60

TANGIPAHOA PARISH

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 3S., R. 7E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN 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 NGVD.

HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,

LOWEST WATER LEVEL 33.71 BELOW LSD, SEP. 27, 1993.

RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 20, 1994	33.15	APR. 27, 1994	26.63	AUG. 1, 1994	33.61		

302957090274001 LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN 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 NGVD.

HIGHEST WATER LEVEL 128.00 ABOVE LSD, OCT. 21, 1956,

LOWEST WATER LEVEL 14.30 ABOVE LSD, OCT. 18, 1988.

RECORDS AVAILABLE 1956-85, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	+19.60	JAN. 20, 1994	+20.50	APR. 28, 1994	+18.20	AUG. 1, 1994	+16.40

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN 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 NGVD.

HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960,

LOWEST WATER LEVEL 81.50 ABOVE LSD, SEP. 14, 1989.

RECORDS AVAILABLE 1960-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	+82.40	JAN. 20, 1994	+83.70	APR. 28, 1994	+85.30	AUG. 1, 1994	+86.10

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 AND STOCK ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 1,430 FT, SCREENED 1,410-1,430. MP TOP OF CASING, 2.00 FT ABOVE LSD.

LSD 52 FT ABOVE NGVD.

HIGHEST WATER LEVEL 87.80 ABOVE LSD, JAN. 14, 1961,

LOWEST WATER LEVEL 55.50 ABOVE LSD, DEC. 2, 1993.

RECORDS AVAILABLE 1961, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	+55.50	JAN. 20, 1994	+57.50	APR. 28, 1994	+59.80	AUG. 1, 1994	+57.60

303104090335901 LOCAL WELL NUMBER: TA-343

OWNER: HAMMOND STATE SCHOOL. (SEC. 24, T. 6S., R. 6E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN., DEPTH 2,442 FT, SCREENED 2,402-2,442. MP CENTER LINE OF FAUCET ON BEND OF 8-IN. PIPE, 1.83 FT ABOVE LSD.

LSD 42 FT ABOVE NGVD.

HIGHEST WATER LEVEL 87.43 ABOVE LSD, MAY 19, 1969,

LOWEST WATER LEVEL 34.40 ABOVE LSD, AUG. 1, 1994.

RECORDS AVAILABLE 1969, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	+36.30	JAN. 20, 1994	+35.80	APR. 28, 1994	+37.40	AUG. 1, 1994	+34.40

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 593-603. MP TOP OF 2-IN. GALV. PIPE, 2.15 FT ABOVE LSD.

LSD 220 FT ABOVE NGVD.

HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975,

LOWEST WATER LEVEL .22 BELOW LSD, OCT. 23, 1986.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1993	5.00	JAN. 20, 1994	6.35	APR. 28, 1994	3.75	AUG. 1, 1994	3.35

305604090312101 LOCAL WELL NUMBER: TA-454

OWNER: TOWN OF KENTWOOD. (SEC. 29, T. 1S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 720 FT, SCREENED 640-720. MP TOP OF 3/8-IN. BREATHING PIPE, 2.24 FT ABOVE LSD.

LSD 260 FT ABOVE NGVD.

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.

WATER		WATER		WATER		WATER	
DEC. 2, 1993	74.61	JAN. 20, 1994	72.14	APR. 28, 1994	77.06	AUG. 1, 1994	79.36

See footnotes at end of table.

GROUND-WATER LEVELS

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E.R. MCDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED 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 NGVD.

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. 6, 1993	13.72	JAN. 3, 1994	12.13	APR. 6, 1994	9.98	JULY 8, 1994	12.44

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 NGVD.

HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959,

LOWEST WATER LEVEL 180.76 BELOW LSD, JULY 15, 1993.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1993	179.07	JAN. 4, 1994	179.18	APR. 4, 1994	179.25	JULY 8, 1994	179.81

VERMILION PARISH

295345092100703 LOCAL WELL NUMBER: VE-637L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN., DEPTH 243 FT, SCREENED 233-243. MP TOP OF 1-IN. PIPE, 2.66 FT ABOVE LSD.

LSD 4.06 FT ABOVE NGVD.

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. 12, 1993	11.19	MAR. 24, 1994	10.69				

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN., DEPTH 198 FT, SCREENED 188-198. MP TOP OF 1-IN. PIPE, 2.66 FT ABOVE LSD.

LSD 4.06 FT ABOVE NGVD.

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
DEC. 7, 1993	8.44	JAN. 27, 1994	9.44	MAY 4, 1994	8.55	JULY 12, 1994	11.26

293845092264901 LOCAL WELL NUMBER: VE-639

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN 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 NGVD.

HIGHEST WATER LEVEL 6.22 BELOW LSD, OCT. 20, 1965,

LOWEST WATER LEVEL 10.22 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1965-79, 1981, 1983-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1993	9.13	MAR. 24, 1994	7.98				

VERNON PARISH

310251093125501 LOCAL WELL NUMBER: V-108

OWNER: U.S. ARMY, FORT POLK. (SEC. 20, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN., DEPTH 675 FT, SCREENED 640-675. MP TOP OF CASING, 1.50 FT ABOVE LSD.

LSD 305.27 FT ABOVE NGVD.

HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961,

LOWEST WATER LEVEL 214.14 BELOW LSD, JULY 25, 1981.

RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	179.92H	FEB. 10, 1994	176.45	APR. 25, 1994	172.11	JULY 10, 1994	176.16
OCT. 10	179.28	FEB. 15	176.17	APR. 30	173.84	JULY 15	176.10
OCT. 15	177.53	FEB. 20	176.08	MAY 5	174.05	JULY 20	175.42
OCT. 20	177.42	FEB. 25	176.52	MAY 10	172.85	JULY 25	176.36
OCT. 25	176.58	FEB. 28	176.37	MAY 15	172.68	JULY 31	176.15
OCT. 31	174.81	MAR. 5	177.27	MAY 20	174.71	AUG. 5	176.08
NOV. 2	174.54	MAR. 10	176.55	MAY 25	175.48	AUG. 10	175.79
NOV. 5	173.67	MAR. 15	175.71	MAY 31	175.54	AUG. 15	175.64
NOV. 10	173.23	MAR. 20	174.86	JUNE 5	174.33	AUG. 20	176.01
NOV. 15	174.02	MAR. 23	174.83H	JUNE 9	174.97H	AUG. 25	176.29
NOV. 20	173.45	MAR. 25	174.96	JUNE 10	175.35	AUG. 31	177.41
NOV. 25	173.02	MAR. 31	176.79	JUNE 15	175.22	SEP. 5	177.06
NOV. 30	172.62	APR. 2	176.80J	JUNE 20	175.35	SEP. 10	176.93
DEC. 5	172.40	APR. 5	176.23	JUNE 25	175.50	SEP. 15	177.45
DEC. 10	172.33	APR. 10	175.21	JUNE 30	175.25	SEP. 20	177.62
JAN. 5, 1994	175.64H	APR. 13	175.12H	JULY 2	174.10J	SEP. 25	178.10
FEB. 1	176.25H	APR. 15	174.80	JULY 5	175.33	SEP. 30	180.30
FEB. 5	176.07	APR. 20	174.52	JULY 6	175.75H		

See footnotes at end of table.

GROUND-WATER LEVELS

VERNON PARISH--Continued

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 MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 503 FT, SCREENED 450-503. MP TOP OF VENT PIPE, 2.00 FT ABOVE LSD.

LSD 243 FT ABOVE NGVD.

HIGHEST WATER LEVEL 99.00 BELOW LSD, APR. 7, 1955,

LOWEST WATER LEVEL 132.40 BELOW LSD, DEC. 10, 1987.

RECORDS AVAILABLE 1955, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	126.24	JAN. 5, 1994	126.57	APR. 13, 1994	125.68	JULY 6, 1994	126.11

310625093133501

LOCAL WELL NUMBER: V-204

OWNER: U.S. ARMY, FORT POLK. (SEC. 31, T. 2N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 18 IN., DEPTH 1,100 FT, SCREENED 1,012-1,100. MP TOP OF CASING, 1.30 FT ABOVE LSD.

LSD 303 FT ABOVE NGVD.

HIGHEST WATER LEVEL 146.68 BELOW LSD, JAN. 30, 1986,

LOWEST WATER LEVEL 159.17 BELOW LSD, OCT. 25, 1990.

RECORDS AVAILABLE 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	155.93	JAN. 10, 1994	154.73	APR. 15, 1994	154.12	JULY 5, 1994	155.31
OCT. 6	156.24H	JAN. 15	154.64	APR. 20	154.27	JULY 6	155.26H
OCT. 10	156.02	JAN. 20	154.57	APR. 25	153.59	JULY 10	155.04
OCT. 15	155.81	JAN. 25	154.59	APR. 30	153.53	JULY 15	155.56
OCT. 20	155.35	JAN. 31	155.38	MAY 3	153.19J	JULY 20	155.90
OCT. 25	155.35	FEB. 5	154.51	MAY 5	153.55	JULY 25	156.21
OCT. 31	155.25	FEB. 10	154.33	MAY 10	153.88H	JULY 30	156.39J
NOV. 5	155.50	FEB. 15	154.20	MAY 15	153.76	AUG. 5	155.88
NOV. 10	155.54	FEB. 20	154.30	MAY 20	153.76	AUG. 10	155.77
NOV. 15	155.35	FEB. 25	154.17	MAY 25	153.99	AUG. 15	155.90
NOV. 20	155.00	FEB. 28	154.22	MAY 31	154.39	AUG. 20	155.56
NOV. 25	154.98	MAR. 5	154.16	JUNE 5	154.65	AUG. 25	155.77
NOV. 30	155.10	MAR. 10	154.21	JUNE 9	154.79H	AUG. 31	155.74
DEC. 5	154.46	MAR. 15	154.13	JUNE 10	154.79	SEP. 5	155.64
DEC. 10	155.06	MAR. 20	154.16	JUNE 15	154.91	SEP. 10	155.36
DEC. 15	154.92	MAR. 25	154.01	JUNE 20	155.06	SEP. 15	155.21
DEC. 20	154.64	MAR. 31	154.42	JUNE 25	154.94	SEP. 20	155.43
DEC. 25	155.00	APR. 5	154.32	JUNE 30	155.14	SEP. 25	155.28
DEC. 31	154.85	APR. 10	154.22	JULY 2	155.01J	SEP. 30	155.44
JAN. 5, 1994	154.80H	APR. 13	154.19H				

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 MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 915 FT, SCREENED 905-915. MP TOP OF BUSHING, 3.10 FT ABOVE LSD.

LSD 305 FT ABOVE NGVD.

HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969,

LOWEST WATER LEVEL 148.60 BELOW LSD, JULY 6, 1994.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	147.36	JAN. 5, 1994	147.33	APR. 12, 1994	148.06	JULY 6, 1994	148.60

See footnotes at end of table.

GROUND-WATER LEVELS

VERNON PARISH—Continued

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 925 FT, SCREENED 915-925. MP TOP OF BUSHING, 2.00 FT ABOVE LSD.

LSD 290 FT ABOVE NGVD.

HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968,

LOWEST WATER LEVEL 123.07 BELOW LSD, APR. 12, 1994.

RECORDS AVAILABLE 1967-80, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1993	122.14	JAN. 5, 1994	122.50	APR. 12, 1994	123.07	JULY 6, 1994	122.88

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 MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 1,275 FT, SCREENED 1,167-1,212 AND 1,245-1,275. MP TOP OF PVC DROP PIPE, 2.60 FT ABOVE LSD.

LSD 335 FT ABOVE NGVD.

HIGHEST WATER LEVEL 177.45 BELOW LSD, JAN. 3, 1992,

LOWEST WATER LEVEL 240.58 BELOW LSD, JULY 10, 1985.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	188.87	JAN. 5, 1994	188.27	APR. 13, 1994	188.48	JULY 6, 1994	187.80

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 MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 16 IN., DEPTH 900 FT. SCREENED 859-900. MP TOP OF 2-IN. ACCESS PIPE, 2.0 FT ABOVE LSD.

LSD 300 FT ABOVE NGVD.

HIGHEST WATER LEVEL 233.79 BELOW LSD, OCT. 6, 1992,

LOWEST WATER LEVEL 246.77 BELOW LSD, JAN. 4, 1994.

RECORDS AVAILABLE 1992, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	233.79	JAN. 4, 1994	246.77				

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 EDGE OF RECORDER SHELTER SUBFLOOR, 1.30 FT ABOVE LSD.

LSD 95 FT ABOVE NGVD.

HIGHEST WATER LEVEL 1.30 ABOVE LSD, FEB. 22, 1961,

LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1993	8.96	JAN. 20, 1994	11.05	APR. 28, 1994	8.95	AUG. 1, 1994	11.30

GROUND-WATER LEVELS

WASHINGTON PARISH--Continued

304612089512401 LOCAL WELL NUMBER: WA-158

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 12 3/4 IN., DEPTH 1,414 FT, SCREENED 1,337-1,414. MP TOP OF SANITARY SEAL, 1.63 FT ABOVE LSD.

LSD 97 FT ABOVE NGVD.

HIGHEST WATER LEVEL 53.00 BELOW LSD, MAY 18, 1987,

LOWEST WATER LEVEL 92.40 BELOW LSD, SEP. 10, 1991.

RECORDS AVAILABLE 1987, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1993	86.33	JAN. 20, 1994	88.20	APR. 28, 1994	90.81	AUG. 1, 1994	90.25

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, 0.03 FT ABOVE LSD.

LSD 205 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.37 BELOW LSD, MAR. 11, 1987,

LOWEST WATER LEVEL 46.34 BELOW LSD, NOV. 3, 1980.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1993	43.77	JAN. 4, 1994	44.98	APR. 6, 1994	44.59	JULY 8, 1994	44.53

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: CITY OF PORT ALLEN. (SEC. 66, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 IN., DEPTH 1,335 FT, SCREENED 1,230-1,335. MP TOP EDGE OF 3/8-IN. HOLE IN 8-IN. PLUG IN TEE ATOP CASING, 3.60 FT ABOVE LSD.

LSD 27 FT ABOVE NGVD.

HIGHEST WATER LEVEL 36.10 ABOVE LSD, JUNE 21, 1943,

LOWEST WATER LEVEL 112.62 BELOW LSD, AUG. 15, 1974.

RECORDS AVAILABLE 1943-46, 1949-50, 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1993	67.04	JAN. 12, 1994	81.62	APR. 20, 1994	82.51	JULY 14, 1994	79.60

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 NGVD.

HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966,

LOWEST WATER LEVEL 129.12 BELOW LSD, DEC. 20, 1976.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1993	99.23	JAN. 11, 1994	101.00	APR. 20, 1994	99.00	JULY 14, 1994	103.00

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH--Continued

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP OF 2-IN. CASING, 2.06 FT ABOVE LSD.

LSD 29 FT ABOVE NGVD.

HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966,

LOWEST WATER LEVEL 169.38 BELOW LSD, OCT. 23, 1980.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	133.38	JAN. 11, 1994	143.07	APR. 20, 1994	142.05	JULY 14, 1994	138.64
NOV. 12	141.14						

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 MIOCENE 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 NGVD.

HIGHEST WATER LEVEL 38.22 BELOW LSD, JAN. 24, 1992,

LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.

RECORDS AVAILABLE 1966-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1993	43.63	JAN. 12, 1994	44.71	APR. 20, 1994	43.66	JULY 14, 1994	44.82

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 NGVD.

HIGHEST WATER LEVEL 63.89 BELOW LSD, APR. 22, 1966,

LOWEST WATER LEVEL 189.22 BELOW LSD, SEP. 25, 1973.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1993	148.39	JAN. 12, 1994	146.46	APR. 20, 1994	143.83	JULY 14, 1994	147.56

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 NGVD.

HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966,

LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.

RECORDS AVAILABLE 1966-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1993	222.01	JAN. 12, 1994	218.83	APR. 20, 1994	220.24	JULY 14, 1994	199.03

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH--Continued

302550091124101 LOCAL WELL NUMBER: WBR-111

OWNER: CITY OF PLAQUEMINE. (SEC. 70, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 TO 8 IN., DEPTH 2,650 FT, SCREENED 2,610-2,650. MP TOP OF 8-IN. CASING, 1.35 FT ABOVE LSD.

LSD 25 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.50 ABOVE LSD, JAN. 15, 1970,

LOWEST WATER LEVEL 44.60 BELOW LSD, DEC. 19, 1974.

RECORDS AVAILABLE 1970-71, 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1993	+16.37	MAR. 2, 1994	+16.40	JULY 14, 1994	+14.40		

302547091123201 LOCAL WELL NUMBER: WBR-113

OWNER: CITY OF PLAQUEMINE. (SEC. 70, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 TO 8 IN., DEPTH 2,242 FT, SCREENED 2,148-2,168, 2,176-2,206, AND 2,214-2,242. MP EDGE OF 1-IN. VENT PIPE INSIDE PUMP HOUSING, 2.8 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 49.20 ABOVE LSD, MAY 7, 1994,

LOWEST WATER LEVEL 71.75 BELOW LSD, JULY 14, 1994.

RECORDS AVAILABLE 1974, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 7, 1974	49.20	MAR. 1, 1994	69.60	MAY 11, 1994	69.86	JULY 14, 1994	71.75

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 6 IN., DEPTH 2,082 FT, SCREENED 2,012-2,082. MP TOP 1/2-IN PIPE ON PLATE ATOP CASING, 2.02 FT ABOVE LSD.

LSD 20 FT ABOVE NGVD.

HIGHEST WATER LEVEL 30.65 ABOVE LSD, FEB. 10, 1976,

LOWEST WATER LEVEL 57.99 BELOW LSD, JUNE 30, 1993.

RECORDS AVAILABLE 1976, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 10, 1976	30.65	JUNE 30, 1993	57.99	MAY 11, 1994	46.83		

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 TOP OF 3/4 IN FAUCET, 2.0 FT ABOVE LSD.

LSD 25 FT ABOVE NGVD.

HIGHEST WATER LEVEL 10.54 ABOVE LSD, APR. 27, 1979,

LOWEST WATER LEVEL 20.60 BELOW LSD, OCT. 24, 1988.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1993	1.20	JAN. 12, 1994	6.45	APR. 20, 1994	2.50	JULY 14, 1994	+40

See footnotes at end of table.

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH--Continued

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 1,304 FT, SCREENED 1,294-1,304. MP TOP OF 2 1/2-IN. CASING, AT LSD.

LSD 14 FT ABOVE NGVD.

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. 6, 1993	41.36	JAN. 12, 1994	36.07	APR. 20, 1994	37.62	JULY 14, 1994	39.57
NOV. 12	29.54						

302958091124801 LCCAL WELL NUMBER: WBR-160

OWNER: WEST BATON ROUGE GAS AND WATER SYSTEM. (SEC. 50, T. 6S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 840 FT, SCREENED 830-840. MP 1/2-IN. HOLE IN TOP OF CAP, 2.40 FT ABOVE LSD.

LSD 26 FT ABOVE NGVD.

HIGHEST WATER LEVEL 47.10 BELOW LSD, JULY 15, 1980,

LOWEST WATER LEVEL 112.70 BELOW LSD, OCT. 9, 1981.

RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1993	84.65	JAN. 12, 1994	82.88	APR. 20, 1994	80.86	JULY 14, 1994	82.78

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 HOLE IN TOP OF CAP, 2.00 FT ABOVE LSD.

LSD 26 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.86 BELOW LSD, JULY 5, 1990,

LOWEST WATER LEVEL 63.75 BELOW LSD, SEP. 19, 1979.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1993	34.43	JAN. 12, 1994	35.62	APR. 20, 1994	27.26	JULY 14, 1994	32.60

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 1 1/2-IN. ACCESS PLUG ON SOUTH SIDE OF 12-IN. CASING, 0.90 FT ABOVE LSD.

LSD 25 FT ABOVE NGVD.

HIGHEST WATER LEVEL 56.72 ABOVE LSD, MAY 10, 1994,

LOWEST WATER LEVEL 56.72 BELOW LSD, MAY 10, 1994.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY. 10, 1994	56.72						

GROUND-WATER LEVELS

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. 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 NGVD.

HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963,

LOWEST WATER LEVEL 32.39 BELOW LSD, MAR. 9, 1971, SEP. 7, 1972.

RECORDS AVAILABLE 1955-82, 1984-87, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	30.89	JAN. 3, 1994	30.26	APR. 6, 1994	29.87	JULY 13, 1994	30.91

324508091252302 LOCAL WELL NUMBER: WC-230

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN IN 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 NGVD.

HIGHEST WATER LEVEL 28.19 BELOW LSD, JULY 17, 1991,

LOWEST WATER LEVEL 30.34 BELOW LSD, OCT. 3, 1990.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	29.87	JAN. 3, 1994	29.77	APR. 6, 1994	29.83	JULY 13, 1994	29.87
NOV. 26	29.83						

WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-22D

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 53, T. 1S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 907 FT, SCREENED 847-907. MP TOP OF 3/4-IN. COLLAR IN IRON PLATE, 0.65 FT ABOVE LSD.

LSD 60 FT ABOVE NGVD.

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
DEC. 1, 1993	9.77	JAN. 19, 1994	9.62	APR. 26, 1994	7.70	JULY 28, 1994	10.83

GROUND-WATER LEVELS

WEST FELICIANA PARISH--Continued

304844091204101 LOCAL WELL NUMBER: WF-158

OWNER: G.A. DANIEL. (SEC. 80, T. 3S., R. 2W.) DRILLED UNUSED WATER-TABLE WELL IN UPLAND TERRACE DEPOSITS 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 NGVD.
 HIGHEST WATER LEVEL 95.72 BELOW LSD, JAN. 19, 1994,
 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
DEC. 1, 1993	98.70	JAN. 19, 1994	95.72	APR. 26, 1994	96.61	JULY 28, 1994	98.63

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 IN., DEPTH 1,526 FT, SCREENED 1,446-1,526. MP PLUG ON FLANGE, 1.23 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962,
 LOWEST WATER LEVEL 133.95 BELOW LSD, JAN. 27, 1982.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1993	113.67	JAN. 19, 1994	113.89	APR. 26, 1994	114.97	JULY 28, 1994	115.99

305640091341001 LOCAL WELL NUMBER: WF-228

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 24, T. 1S., R. 5W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 12 TO 10 IN., REPORTED DEPTH 649 FT, SCREENED 554-589, 594-649. MP TOP EDGE OF 3/4-IN. PIPE WELDED TO CASING AT AN ANGLE ON EAST WALL, 1.0 FT ABOVE LSD.
 LSD 58 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 2.81 ABOVE LSD, AUG 6, 1965,
 LOWEST WATER LEVEL 20.07 BELOW LSD, DEC. 1, 1993.
 RECORDS AVAILABLE 1965, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 6, 1965	2.81	DEC. 1, 1993	20.07	APR. 26, 1994	18.54	JULY 28, 1994	19.11
MAR. 4, 1993	19.10	JAN. 19, 1994	16.65				

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 MIOCENE AGE, DIAM 4 IN., DEPTH 793 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN. CASING, 0.80 FT ABOVE LSD.
 LSD 155 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.75 BELOW LSD, JAN. 19, 1994,
 LOWEST WATER LEVEL 105.64 BELOW LSD, APR. 26, 1994.
 RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1993	103.75	JAN. 19, 1994	100.75	APR. 26, 1994	105.64	JULY 28, 1994	102.75

GROUND-WATER LEVELS

WEST FELICIANA PARISH—Continued

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 ZONE 3 AQUIFER 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 NGVD.
 HIGHEST WATER LEVEL 198.38 BELOW LSD, SEP. 16, 1992,
 LOWEST WATER LEVEL 207.24 BELOW LSD, AUG. 5, 1991.
 RECORDS AVAILABLE 1982, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1993	201.32	JAN. 18, 1994	202.37	APR. 26, 1994	200.51	JULY 28, 1994	199.53

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 ZONE 2 AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 10-8 IN., DEPTH 982 FT, SCREENED 912-930 AND 940-982. MP EDGE OF BREATHER PIPE, W. SIDE, 1.9 FT ABOVE LSD.
 LSD 290 FT ABOVE NGVD.
 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
DEC. 1, 1993	243.60	JAN. 19, 1994	249.70	APR. 26, 1994	242.25	JULY 28, 1994	248.47

WINN PARISH

315527092370801 LOCAL WELL NUMBER: W-28

OWNER: CITY OF WINNFELD. (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 NGVD.
 HIGHEST WATER LEVEL 39.10 BELOW LSD, APR. 6, 1992,
 LOWEST WATER LEVEL 55.64 BELOW LSD, OCT. 6, 1993.
 RECORDS AVAILABLE 1963, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	55.64	JAN. 6, 1994	47.47	APR. 8, 1994	45.70	JULY 8, 1994	49.72

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 NGVD.
 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. 28, 1994	34.35	SEP. 19, 1994	35.63				

GROUND-WATER LEVELS

WINN PARISH—Continued

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 655 FT, SCREENED 645-655. MP TOP OF BUSHING, AT LSD.

LSD 140 FT ABOVE NGVD.

HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979,

LOWEST WATER LEVEL 86.53 BELOW LSD, OCT. 11, 1990.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1993	87.84	JAN. 6, 1994	87.67	APR. 8, 1994	88.35	JULY 9, 1994	87.94
OCT. 14	87.51						

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 NGVD.

HIGHEST WATER LEVEL 101.79 BELOW LSD, MAY 12, 1989,

LOWEST WATER LEVEL 106.89 BELOW LSD, SEP. 5, 1980.

RECORDS AVAILABLE 1979-87, 1989, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 28, 1994	105.47	SEP. 19, 1994	106.49				

* Measuring point.

+ Above land-surface datum.

H Tape measurement (recorder).

J Recorder measurement for a time other than noon.

QUALITY OF GROUND WATER

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1993 TO SEPTEMBER 1994

[See end of table for explanation of geologic unit (aquifer) codes]

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CONDUCTANCE, FIELD (US/CM)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
ACADIA PARISH								
AC- 452	10S 1W 34	300742092265901	112CHCTU	246	10-22-93	--	842	54
					03-14-94	--	828	52
					09-07-94	--	827	57
CALCASIEU PARISH								
CU- 615	10S 9W 4	301338093172801	11205LC	533	10-22-93	--	783	150
					03-14-94	--	748	140
CU- 694	10S 9W 19	301044093195101	11205LC	556	10-22-93	--	1380	320
					03-14-94	--	1420	340
CU- 767	10S 8W 20	301036093124401	11207LC	850	10-13-93	80.95	3020	860
					03-29-94	82.11	3030	910
CU- 771	10S 9W 5	301336093183002	11202LC	241	01-04-94	58.72	427	17
					03-29-94	62.98	425	17
CU- 787	11S10W 36	300353093210201	11205LC	734	10-14-93	63.13	537	49
					03-29-94	53.75	536	51
CAMERON PARISH								
CN-86L	12S12W 13	300120093320802	11205LC	641	10-13-93	46.02	1910	460
CN-88L	12S 8W 14	300055093093004	11205LC	804	01-04-94	47.02	2370	610
					03-24-94	54.58	2360	600
CN-90	13S 7W 4	295611093044801	112CHCTU	396	10-12-93	33.05	978	180
					03-24-94	28.70	a963	170
CN-92	12S 7W 12	300104093015601	112CHCTU	443	10-12-93	39.43	1590	360
					03-24-94	35.40	1580	360
CONCORDIA PARISH								
CO- 205	5N 8E 4	312614091400001	112MRVA	130	03-24-94	6.03	a796	20
					09-12-94	13.43	a798	22
CO- 215	5N 8E 3	312630091390001	112MRVA	121	03-24-94	5.49	3560	950
					09-12-94	12.28	3570	970
EAST BATON ROUGE PARISH								
EB- 151	7S 1E 82	302641091085801	12223BR	2658	09-01-94	--	355	2.4
EB- 413	7S 1E 81	302642091083201	12115BR	1745	09-01-94	--	321	3.3
EB- 434	7S 1W 49	302619091104003	11206BR	611	10-04-93	56.79	473	61
EB- 621	7S 1E 39	302500091052501	12112BR	1487	09-01-94	--	378	8.4
EB- 630	7S 1W 48	302651091112408	12220BR	2253	12-21-93	--	533	44
					09-01-94	--	427	6.3
EB- 674	7S 1W 48	302656091101301	12220BR	2250	09-28-94	--	--	4.0
EB- 733	7S 1E 81	302647091083301	12223BR	2637	09-01-94	--	343	3.1
EB- 750	6S 1W 75	303141091114801	12228BR	2643	09-01-94	--	718	60
EB- 771	7S 1E 81	302646091083801	12115BR	1739	09-01-94	--	315	3.7
EB- 778	7S 1E 94	302509091082701	12220BR	2586	09-27-94	0.80	1010	160
EB- 780A	7S 1E 94	302509091082702	12112BR	1622	09-28-94	31.76	3040	920
EB- 782A	7S 1E 94	302535091090402	12110BR	1189	09-29-94	18.50	2100	540
EB- 783A	7S 1W 54	302502091113601	12115BR	2179	12-28-93	55.45	1180	140
EB- 783B	7S 1W 54	302502091113602	12220BR	2675	10-01-93	--	3400	790

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1993 TO SEPTEMBER 1994

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL	DATE OF SAMPLE (FEET)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE, FIELD (US/CM)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL
EAST BATON ROUGE PARISH—Continued								
EB- 789B	7S 1E 9	302511091070402	12115BR	1721	09-29-94	--	8240	2500
EB- 794	7S 1W 52	3025590911110801	12224BR	2709	10-01-93	160.27	698	14
EB- 798	6S 1W 39	303133091103101	12228BR	2647	12-21-93	--	1480	320
					09-01-94	--	1540	340
EB- 803B	8S 2E 5	302306091022602	12220BR	2565	09-27-94	--	2250	560
EB- 805	7S 1W 70	302428091035003	12110BR	1072	09-27-94	--	20700	7300
EB- 825	7S 1E 96	302553091092002	11204BR	475	09-28-94	33.14	278	4.0
EB-1017C	7S 2E 57	302406091021203	11204BR	567	09-01-94	--	305	3.9
EB-1028	7S 1W 53	302605091100901	12220BR	2238	12-28-93	173.99	1020	210
EB-1150	7S 1W 74	302653091103703	12220BR	2242	12-21-93	--	387	3.1
					09-01-94	--	381	2.9
EB-1253	7S 1W 48	302652091112410	12223BR	2687	12-21-93	--	416	2.8
					09-01-94	--	421	2.4
EB-1259	7S 1E 62	302534091054502	11204BR	515	09-29-94	--	268	7.5
FRANKLIN PARISH								
FR- 720	14N 8E 30	320941091411301	112MRVA	100	03-24-94	17.71	10000	3000
					09-13-94	17.48	9860	3000
FR- 721	14N 7E 25	320958091425501	112MRVA	77	03-24-94	10.18	1780	320
					09-12-94	10.95	1750	310
IBERIA PARISH								
I-93	12S 7E 5	300035091443301	112CHCTU	585	10-08-93	16.21	810	68
					03-25-94	18.02	815	66
JEFFERSON PARISH								
JF- 161	13S23E 1	295549090104101	112GZNO	772	09-12-94	--	1370	250
JF- 184	12S10E 38	295926090143201	112GZNO	704	10-26-93	--	704	94
JF- 187	12S 9E 15	300041090164201	112GZNO	585	09-07-94	19.98	2470	670
JEFFERSON DAVIS PARISH								
JD- 491	11S 3W 14	300508092405601	112CHCTU	377	03-14-94	--	722	100
					09-07-94	--	718	110
LAFAYETTE PARISH								
LF- 524	11S 5E 7	300605091593502	112CHCTU	174	11-15-93	--	192	7.7
					03-15-94	--	213	5.4
MADISON PARISH								
MA-64	17N12E 23	322614091122001	112MRVA	117	03-22-94	7.76	9580	2900
					09-13-94	11.49	9760	2800
MA-65	17N12E 34	322428091130201	112MRVA	119	03-22-94	4.96	6470	1800
					09-13-94	9.14	6470	1700

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1993 TO SEPTEMBER 1994

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL	DATE OF SAMPLE (FEET)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE, FIELD (US/CM)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL)
MOREHOUSE PARISH								
MO-65	21N 5E 25	324647091543801	124SPRT	564	03-29-94	--	1230	190
					09-15-94	--	1240	200
MO- 342	21N 7E 19	324753091471201	124SPRT	620	03-29-94	89.80	2000	440
					09-15-94	91.17	2000	440
MO- 710	23N10E 17	325826091280401	112MRVA	130	03-29-94	14.11	2690	500
					09-13-94	15.25	2680	490
MO- 842	22N 9E 18	325359091344802	112MRVA	90	03-29-94	32.38	874	46
					09-15-94	33.93	745	29
ORLEANS PARISH								
OR-61	12S12E 38	300055090013101	112GZNO	653	10-26-93	--	1000	94
					04-13-94	--	997	92
					09-12-94	--	991	99
OR- 130	12S12E 29	295738090021001	112GZNO	736	10-26-93	--	1980	410
					09-13-94	--	1990	420
OR- 195	12S12E 38	300054090012601	112GZNO	658	09-12-94	--	1000	100
OR- 203	11S13E 30	300349089562401	112GZNO	453	01-07-94	65.88	1750	390
					03-29-94	65.93	1780	390
OUACHITA PARISH								
OU- 402	15N 4E 16	321714092041401	124SPRT	750	03-17-94	52.55	3660	920
					09-13-94	53.49	3670	930
OU- 403	15N 4E 16	321714092041402	124SPRT	460	03-17-94	61.53	1770	280
					09-13-94	62.85	1750	280
OU- 405	17N 4E 30	322531092053901	124SPRT	775	03-17-94	122.09	2110	440
					09-13-94	124.53	2090	440
OU- 469	16N 4E 2	322425092020401	124SPRT	400	04-05-94	--	1030	120
					09-15-94	--	1030	140
RICHLAND PARISH								
RI- 112	17N 9E 24	322623091294901	112MRVA	67	03-22-94	33.00	1520	360
					09-15-94	33.31	1490	360
RI- 114	17N 9E 24	322636091295702	112MRVA	66	03-22-94	31.93	1280	200
					09-15-94	32.10	1300	220
RI- 124	17N 9E 25	322605091301101	112MRVA	84	03-22-94	32.07	1500	260
					09-14-94	32.40	1460	250
ST. CHARLES PARISH								
SC- 159	12S20E 23	295926090273101	112NORC	440	10-26-93	--	1580	240
					09-20-94	--	1560	230
ST. JAMES PARISH								
SJ- 206	11S 5E190	300325090394701	112GRMC	244	10-26-93	--	686	88
					04-12-94	--	676	85
SJ- 226	11S 5E190	300324090394801	112GRMC	248	09-13-94	--	723	95

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1993 TO SEPTEMBER 1994

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL	DATE OF SAMPLE (FEET)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE, FIELD (US/CM)	CHLORIDE, DIS-SOLVED (MG/L) AS CL
ST. JOHN THE BAPTIST PARISH								
SJB- 165	10S 8E 5	301247090245901	120CVGN	3000	04-19-94	—	951	68
					09-13-94	—	985	78
SJB- 176	9S 8E 33	301336090244101	120CVGN	2950	04-19-94	—	812	32
					09-13-94	—	809	35
SJB- 180	10S 8E 7	301143090260101	120CVGN	3091	04-19-94	—	830	50
					09-13-94	—	820	49
ST. MARTIN PARISH								
SMN- 108	9S 7E 36	301304091424001	112CHCTU	505	10-08-93	5.65	1980	360
					03-22-94	1.36	1980	360
SMN- 109	9S 7E 36	301304091424002	112CHCTU	375	10-08-93	6.22	1160	110
					03-22-94	4.39	1160	110
ST. MARY PARISH								
SM-57U	14S 8E 27	294749091402301	112CHCTU	638	01-06-94	8.64	1170	190
					03-30-94	7.09	1170	190
VERMILION PARISH								
VE- 637L	13S 3E 15	295345092100703	112CHCTU	243	10-12-93	11.19	2700	690
					03-24-94	10.69	2680	670
VE- 639	16S 1W 2	293845092264901	112CHCTS	608	10-12-93	9.13	1540	320
					03-24-94	7.98	1550	310
WEST BATON ROUGE PARISH								
WBR-35	7S 12E 68	302657091124201	12112BR	1290	10-06-93	—	314	2.7
					09-22-94	—	285	4.1
WBR- 100B	7S 12E 68	302652091121402	12224BR	2448	10-06-93	133.38	361	2.4
WBR- 103	7S 12E 71	302522091122701	12115BR	2137	05-11-94	—	450	42
WBR- 112	7S 12E 70	302550091124102	12115BR	2205	12-03-93	—	618	80
					03-01-94	—	631	81
					05-11-94	—	618	79
					09-22-94	—	614	79
WBR- 113	7S 12E 70	302547091123201	12115BR	2242	12-03-93	—	1070	190
					03-01-94	69.60	1100	190
					05-11-94	69.86	1070	190
					09-22-94	—	1070	190
WBR- 136	7S 12E 21	302712091145701	12112BR	1305	10-06-93	—	293	3.5
					09-22-94	—	286	3.7
WBR- 148	7S 11E 23	302702091185101	12112BR	1304	10-06-93	41.36	342	3.0
WBR- 173	8S 12E 74	302456091130202	12115BR	2194	05-11-94	—	321	3.2
WBR- 181	7S 12E 68	302644091121201	12117BR	1900	10-06-93	—	301	3.1
					09-22-94	—	298	3.5

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1993 TO SEPTEMBER 1994

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL	DATE OF SAMPLE (FEET)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE, FIELD (US/CM)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL
WINN PARISH								
W- 144B	11N 1W 19	315450092310102	124SPRT	550	03-28-94	34.35	1580	140
					09-19-94	35.63	1560	150
W- 179	12N 1W 29	315948092300301	124SPRT	585	03-28-94	105.47	1430	240
					09-19-94	106.49	1380	250

a Lab measurement.

GEOLOGIC UNIT (AQUIFER):

112CHCTS- Chicot aquifer, shallow 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 (Zone 2), Pliocene age.
 12110BR-"1,000-foot" sand sand of Baton Rouge area, Pleistocene 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-foot" and "2,400-foot" sands of Baton Rouge area, Miocene age.
 12224BR-"2,400-foot" sand of Baton Rouge area, Miocene age.
 12228BR-"2,800-foot" sand of Baton Rouge area, Miocene age.
 124SPRT-Sparta sand, Eocene age.

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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.

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