

Water Resources Data Louisiana Water Year 1997



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-97 -1
Prepared in cooperation with the Louisiana Department
of Transportation and Development and with other State
and Federal agencies

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CALENDAR FOR WATER YEAR 1997

1996

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2	1	2	3	4	5	6	7
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

1997

JANUARY							FEBRUARY							MARCH						
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APRIL							MAY							JUNE						
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JULY							AUGUST							SEPTEMBER						
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13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	20
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27	28	29	30	31			24	25	26	27	28	29	30	28	29	30				
							31													



Water Resources Data Louisiana Water Year 1997

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



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

U.S. GEOLOGICAL SURVEY
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Baton Rouge, LA 70816

1998

PREFACE

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

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

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

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

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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS

	Type of data	Station number	Drainage area (mi ²)	Period of record
Bogue Lusa Creek near Franklinton, LA	(d)	02490000	12.1	1948-68
Bogue Lusa Creek at State Highway 439, at Bogalusa, LA	(d)	02490105	72.7	1963-85
Bogue Chitto at Franklinton, LA	(d)	02491500	990	1928-31
	(d)		990	1938-57
Pearl River at Pearl River, LA	(d)	02492600	8,590	1963-70
Red River near Hosston, LA	(d)	07344400	57,041	1957-96
Paw Paw Bayou near Greenwood, LA	(d)	07344450	80.5	1955-87
Black Bayou near Hosston, LA	(d)	07346500	231	1943-44
Kelly Bayou near Hosston, LA	(d)	07347000	116	1944-69
Black Bayou near Gilliam, LA	(d)	07347500	364	1942-59
	(s)		364	1959-69
Black Bayou near Oil City, LA	(s)	07347700	370	1945-59
Twelvemile Bayou near Dixie, LA	(d)	07348000	3,137	1942-95
Flat Lick Bayou near Leton, LA	(d)	07348800	66.9	1956-77
Bayou Dorcheat near Gilark, LA	(s)	07348960	1,031	1953-79
Flat River near Curtis, LA	(d)	07349374	--	1980-88
Bodcau Bayou near Sarepta	(d)	07349500	546	1938-92
Cypress Bayou above Benton, LA	(d)	07349795	88.9	1974-86
Cypress Bayou near Benton, LA	(d)	07349800	133	1955-68
	(d)		133	1969-74
Red Chute Bayou above U.S. Highway 80, near Shreveport, LA	(s)	07349848	--	1949-50
Red Chute Bayou near Elm Grove, LA	(d)	07349890	1,004	1977-79
Loggy Bayou near Ninock, LA	(s)	07350000	2,628	1961-85
Loggy Bayou near East Point, LA	(s)	07350020	2,648	1955-64
	(d)		2,648	1980-85
Red River near Crichton, LA	(s)	07350100	--	1945-46
Red River at Coushatta, LA	(d)	07350500	63,362	1938-52
Boggy Bayou near Keithville, LA	(d)	07351000	79	1938-82
Bayou Pierre below Caspiana, LA	(d)	07351571	--	1979-82
Bayou Pierre near Grand Bayou, LA	(d)	07351600	661	1977-84
	(s)		661	1984-85
Bayou Na Bonchasse near Mansfield, LA	(d)	07351700	19.5	1957-68
West Branch Dolet Bayou at Rambin, LA	(d)	07351748	32.3	1979-86
Chemard Lake near Evelyn, LA	(s)	07351749	43.8	1977-79
Bayou Dupont near Marthaville, LA	(s)	07351800	--	1957-69
Bayou Dupont near Robeline, LA	(d)	07351900	35.1	1957-69
Black Lake Bayou near Castor, LA	(d)	07352500	423	1940-57
Grand Bayou near Coushatta	(d)	*07352800	93.9	1956-77, 1979-96
Saline Bayou near Clarence, LA	(s)	07353000	1,386	1974-82
Nantachie Creek near Aloha, LA	(s)	07353522	--	1942-46
Youngs Bayou at Natchitoches, LA	(d)	07353800	40.1	1957-64
Kisatchie Bayou at Lotus, LA	(d)	07354100	140	1979-92
Horsepen Creek near Provencal, LA	(d)	07354500	5.27	1949-68
Kisatchie Bayou at Cypress, LA	(s)	07354700	360	1944-49
Iatt Lake near Colfax, LA	(s)	07355300	238	1958-59

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

	Type of data	Station number	Drainage area (mi ²)	Period of record
Hemphill Creek near Hot Wells, LA	(d)	07355000	18.0	1948-64
Dyer Creek near Hot Wells, LA	(d)	07355005	5.22	1955-64
Larto Lake at Dam, near Acme, LA	(s)	07355650	291	1968-76
	(e)		291	1076-90
Ouachita River at Alabama Landing, near Haile, LA	(s)	07364103	1,107	1958-80
Chemin-a-haut Bayou near Beekman, LA	(d)	07364300	271	1955-79
Chemin-a-haut Bayou east of Beekman, LA	(s)	07364320	--	1968-79
Bayou Bartholomew near Beekman, LA	(d)	07364500	1,645	1928-31
	(d)		1,645	1938-59
	(s)		1,645	1959-80
Bayou De Loutre near Laran, LA	(d)	07364700	141	1955-77
Bayou D'Arbonne near Hico, LA	(d)	07364890	254	1980-87
Bayou D'Arbonne near Dubach, LA	(d)	07365000	355	1940-69
Middle Fork Bayou D'Arbonne near Bernice, LA	(d)	07365500	178	1940-57
	(d)		178	1967-70
Corney Bayou near Lillie, LA	(d)	07366000	462	1940-57
Bayou Desiard at Monroe, LA	(s)	07366500	--	1939-59
Cheniere Lake near Bawcomville, LA	(d)	07367500	147	1943-45
Ouachita River at Columbia, LA	(s)	07367640	15,700	1975-81
Boeuf River near Chickasaw, LA	(s)	07367704	787	1959-69
Big Colewa Bayou near Oak Grove, LA	(d)	07368500	42	1949-77
Big Colewa Bayou near Pioneer, LA	(e)	07368505	--	1954-77
Turkey Creek at State Highway 15, at Winnsboro, LA	(s)	**07369205	28.8	1975-80
Lake Providence north of Lake Providence, LA	(e)	07369370	18.7	1967-77
	(d)		18.7	1984-86
Brushy Bayou at Tallulah, LA	(e)	**07369455	--	1974-80
Lower Roundaway Bayou Tributary near Tallulah, LA	(e)	**07369457	--	1974-81
Panola Bayou at Tallulah, LA	(e)	**07369468	--	1977-82
Lake St. Joseph near Newellton, LA	(e)	07369647	23.2	1959-61
	(e)		23.2	1977-87
Lake Bruin at Lake Bruin State Park, near St. Joseph, LA	(e)	07369648	21.4	1959-64
	(e)		21.4	1977-87
Bayou Macon near Kilbourne, LA	(d)	07369700	504	1957-87
Bayou Macon near Delhi, LA	(d)	07370000	782	1935-92
Castor Creek near Grayson, LA	(d)	07370500	271	1940-70
Garrett Creek at Jonesboro, LA	(d)	07371000	2.14	1952-70
Dugdemona River near Jonesboro, LA	(d)	*07371500	355	1938-57, 1977-96
Fouse Bayou at State Highway 155, near Danville, LA	(d)	07371540	1.5	1977-81
Dugdemona River near Winnfield, LA	(d)	07372000	654	1939-77
	(s)		654	1977-81
Bayou Funny Louis near Trout, LA	(d)	07372500	92	1939-70
Hemphill Creek at Nebo, LA	(d)	*07373250	35.3	1978-96
Lake St. John near Waterproof, LA	(e)	07373278	14.81	1967-87
Lake Concordia near Ferriday, LA	(e)	07373280	8.91	1967-80
Lake Concordia at Ferriday, LA	(e)	073732805	8.91	1980-87
West Fork Thompson Creek near Wakefield, LA	(d)	07373500	35.3	1949-70
South Canal near Baker, LA	(d)	*07373965	--	1972-82
Monte Sano Bayou Tributary at Baton Rouge, LA	(s)	07373993	--	1985-86
Mississippi River at Baton Rouge, LA	(s)	07374000	1,125,810	1940-58
Mississippi River near New Orleans, LA	(s)	07374500	1,125,900	1934-58
California Bay near Sunrise Point near Nairn, LA	(s)	07374529	--	1992-93
Canal W-14 at Roberts Road, at Slidell, LA	(s)	07374570	--	1985-88
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

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

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

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

	Type of data	Station number	Drainage area (mi ²)	Period of record
Long Point Gully near Crowley, LA	(d)	08010300	25.7	1949-59
	(s)		25.7	1959-67
Bayou Wikoff near Rayne, LA	(s)	08010500	51.3	1967-71
Bayou Plaquemine Brule near Crowley, LA	(d)	08011000	254	1942-47
	(s)		254	1975-79
Bayou Plaquemine Brule near Ebenezer, LA	(s)	08011005	--	1947-51
Bayou Plaquemine Brule at Estherwood, LA	(s)	08011020	--	1947-49
Boggy Bayou near Pine Prairie, LA	(d)	08011500	51.3	1948-51
	(d)		51.3	1965-79
Bayou Nezpique at Mamou Pumping Plant, near Basile, LA	(s)	08012020	542	1945-85
Bayou Queue de Tortue Southwest of Lyons Point, LA	(s)	08012295	158	1976-79
Bayou Queue de Tortue at Riceville, LA	(s)	08012300	--	1942-51
Mermentau River at Lake Arthur, LA	(s)	08012400	--	1984-94
Bayou Lacassine at Intercoastal Waterway, LA	(s)	08012500	--	1954-58
Sixmile Creek near Sugartown, LA	(d)	08014000	171	1956-65
Tenmile Creek near Elizabeth, LA	(d)	08014200	94.2	1949-65
Bundick Creek near De Ridder, LA	(d)	08014800	120	1956-79
Bundick Creek near Dry Creek, LA	(d)	08015000	238	1939-70
English Bayou near Lake Charles, LA	(s)	08016000	--	1954-69
Beckwith Creek near Dequincy, LA	(d)	08016400	148	1945-84
Hickory Branch at Kernan, LA	(d)	08016600	82.2	1945-57
Bayou Choupique near Sulphur, LA	(s)	08017007	--	1984-85
Bayou Castor near Funston, LA	(d)	08022765	91.5	1971-87
Bayou Castor near Logansport, LA	(d)	08023000	96.5	1955-71
	(s)		96.5	1971-85
Bayou San Patricio near Noble, LA	(d)	08023500	154	1951-67
Bayou San Miguel near Zwolle, LA	(d)	08024000	111	1948-67
Blackwell Creek at Many, LA	(d)	08024060	3.16	1959-68
Bayou La Nana near Zwolle, LA	(d)	08024200	130	1955-67
Bayou Anacoco near Leesville, LA	(d)	08027500	115	1948-64
Anacoco Lake near Leesville, LA	(s)	08027700	207	1958-68
Bayou Anacoco near Knight, LA	(d)	08028200	425	1969-73
Hoosier Creek near Merryville, LA	(d)	08028700	13.1	1955-81
Pipeline Canal near Crossing Cove 11.4 miles west of Pigeon, LA	(s)	091300000	--	1993-95

DISCONTINUED SURFACE-QUALITY-WATER STATIONS

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

DISCONTINUED SURFACE-QUALITY-WATER STATIONS

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

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

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

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

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

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Bayou Grand (BA4-1) near West Pointe-a-la-Hache, LA	07380252	(F)	S.C., Temp.	1992-93
Bayou Lafourche at Valentine, LA	07381200	(F)	S.C.	1971-74
Bayou Lafourche, above Intracoastal Waterway, near Larose, LA	07381225	(A)	S.C.	1976-78
Bayou Lafourche at Golden Meadow, LA	07381300	(F)	Cl	1975-84
		(F)	Temp.	1977-78, 1981-84
Bayou Lafourche at Leeville, LA	07381310	(F)	Cl	1975-77
		(F)	Temp.	1977
Bayou 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
Pipeline Canal near Crossing Cove 11.4 miles west of Pigeon, LA	091300000	(A)	S.C., Temp., D.O., pH	1993-95
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
		(F)	CI	1975-82
Schooner Bayou near Forked Island, East	294528092154801	(F)	Temp.	1977-82
		(F)	CI	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway, at Vermilion Lock East, near Intracoastal City, LA	294700092114000	(F)	CI	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway, at Vermilion Lock West, near Intracoastal City, LA	294705092115300	(F)	CI	1975-82
		(F)	Temp.	1977-82
Mermentau River, south of Control Structure, near Grand Chenier, LA	295146092510100	(F)	CI	1975-82
		(F)	Temp.	1977-82
Mermentau River, north of Control Structure, near Grand Chenier, LA,	295148092510100	(F)	CI	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway at Gibbstown, LA	295600093053000	(F)	CI	1975-82
		(F)	Temp.	1977-82
Chef Menteur Pass at Chef Menteur, LA	300404089482500	(F)	CI	1975-81
		(F)	Temp.	1977-81
Lake Pontchartrain, at New Orleans, LA, at Little Woods, LA,	300434089564000	(F)	CI	1975-78
		(F)	Temp.	1977-78
Intracoastal Waterway at Calcasieu Lock	300514093172800	(F)	CI	1975-82
		(F)	Temp.	1977-82
Rigolets near Lake Pontchartrain, near Slidell, LA	301002089441300	(F)	CI	1975-84
		(F)	Temp.	1977-84
Lake Pontchartrain, near North Shore, near Slidell, LA,	301108089503600	(F)	CI	1975-84
		(F)	Temp.	1977-84
Calcasieu River and Pass near Lake Charles, LA	301305093151200	(F)	CI	1975-81
		(F)	Temp.	1977-81
Calcasieu River, at mile 36.0, at Lake Charles, LA	301425093145000	(F)	Temp., CI	1982
Calcasieu River, east of barrier, at Lake Charles, LA,	301513093130500	(F)	CI	1975, 1977-82
		(F)	Temp.	1977-82
Calcasieu River, west of barrier, at Lake Charles, LA,	301513093130600	(F)	CI	1975, 1977-82
		(F)	Temp.	1977-82

WATER RESOURCES DATA - LOUISIANA, 1997

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 67 streamflow-gaging stations, stage only for 45 gaging stations, for 99 partial-record or miscellaneous streamflow stations, and for 41 crest-stage, partial-record streamflow stations; (2) stage records for 6 lakes; (3) water-quality records for 22 streamflow-gaging stations, for 16 ungaged stream sites, and for 95 wells; and (4) water-level records for 243 observation wells. Quality assurance data in the form of blanks, replicate samples, and percent recovery of organics data have been collected and are available upon request.

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

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

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-97-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on back of title page or by telephone (504) 389-0281.

WATER RESOURCES DATA - LOUISIANA, 1997

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, Frank M. Denton, Secretary.

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

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

Louisiana Department of Natural Resources, Jack Caldwell, Secretary.

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

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

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

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

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

Capital Area Ground Water Conservation Commission, Z. (Bo) Bolourchi, Chairman.

Sabine River Compact Administration, composed of Peggy E. Montano, Chairperson;
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, Jeffrey G. Talyor, President;
Dietmar Rietschier, Executive Director.

Lafayette Parish Bayou Vermilion District, Bryan Vincent, President; Jo Dunham, Executive
Director.

Bayou D'Arbonne Lake Watershed District, Robert G. Dawkins, President.

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

Organizations that supplied data are acknowledged in the station descriptions.

WATER RESOURCES DATA - LOUISIANA, 1997

SUMMARY OF HYDROLOGIC CONDITIONS

Surface-Water Conditions

During the water year, the annual statewide average rainfall total was 62.96 in., which was above the statewide 30-year average by 5.92 in.; all regions of Louisiana had higher-than-average rainfall totals compared to the mean annual rainfall totals. The northwestern and southwestern regions of Louisiana, which experienced below normal rainfall totals in 1996, exceeded the normal annual rainfall totals by 14.42 in. and 8.93 in., respectively. Of the four index stations (representative gaging stations at Pearl River near Bogalusa, Amite River near Denham Springs, Calcasieu River near Oberlin, and Saline Bayou near Lucky), only the Calcasieu River near Oberlin recorded an annual mean discharge below its mean for the period of record (fig. 1). Saline Bayou near Lucky had an annual mean discharge of 305 ft³/s (cubic feet per second), which was about 175 percent higher than the mean annual discharge of 174 ft³/s for the period of record (fig. 1).

In October, the statewide average rainfall total was 5.23 in., which was 1.72 in. above the 30-year average. Below normal conditions continued in the northern region, as shown by the monthly mean discharge of 37.3 ft³/s at Saline Bayou near Lucky, which was below its long-term monthly mean discharge of 44.0 ft³/s (fig. 1). Southern Louisiana had an average rainfall total of 6.85 in. during October, which was 3.72 in. above the 30-year average. Amite River near Denham Springs had a monthly mean discharge of 1,969 ft³/s, which was above its long-term monthly mean discharge of 907 ft³/s (fig. 1).

In November and December, all regions of the State experienced dry conditions, caused by a 0.79 in. and a 1.08 in. departure, respectively, below the statewide 30-year averages of 3.79 in. for November and 4.56 in. for December. All index stations recorded average or below average monthly mean discharges for November (fig. 1). Saline Bayou near Lucky was the only index station that had an above average monthly mean discharge during December.

A two-month period of above average rainfall conditions began in January with a cumulative monthly mean that exceeded 4.09 in. statewide. Almost all regions of the State recorded average monthly rainfall totals above the 30-year average. In January, Saline Bayou near Lucky continued to record an above average monthly mean discharge, but the other index stations had below average monthly mean discharges (fig. 1). All index stations recorded above average monthly mean discharges in February. Amite River near Denham Springs had a monthly mean discharge of 8,939 ft³/s, which was more than twice its long-term monthly mean discharge of 3,969 ft³/s (fig. 1).

In March, the statewide average rainfall total was near normal, but the northwestern and north-central regions of Louisiana experienced above normal rainfall totals for this month. The northwestern and north-central regions exceeded the normal monthly rainfall totals by 4.16 in. and 1.22 in., respectively. Saline Bayou near Lucky exceeded its previous maximum monthly mean discharge of 299 ft³/s, in 1995, with a monthly mean discharge of 767 ft³/s (fig. 1).

During April through June, wet conditions returned and the statewide average rainfall total of 19.90 in. exceeded the 30-year average for the period by 5.69 in. In the month of April, the statewide average rainfall total was 7.91 in.; the northwestern region received 10.56 in. On April 5, a record peak discharge of 26,100 ft³/s was recorded at Cypress Bayou near Keithville, and on April 6, another peak discharge of 36,700 ft³/s was recorded at Bayou Dorcheat near Springhill. On April 8, Bayou Dorcheat near Minden recorded a peak stage of 25.12 ft. In May, all index stations except Calcasieu River near Oberlin recorded above average monthly mean discharges (fig. 1). In June, the Pearl River near Bogalusa had a monthly mean discharge of 20,260 ft³/s, which was more than three times the long-term mean monthly discharge of 5,741 ft³/s (fig. 1).

From July to September, rainfall amounts were below the statewide 30-year average for this period. During this period, the statewide average rainfall total was 10.66 in.; 3.67 in. below the 30-year average. In July, the Calcasieu River near Oberlin had a monthly mean discharge of 225 ft³/s, which was less than half the long-term mean monthly discharge of 525 ft³/s (fig. 1). In August and September, all index stations had monthly mean discharges that were equal to or below their respective long-term monthly mean discharges (fig. 1).

WATER RESOURCES DATA - LOUISIANA, 1997

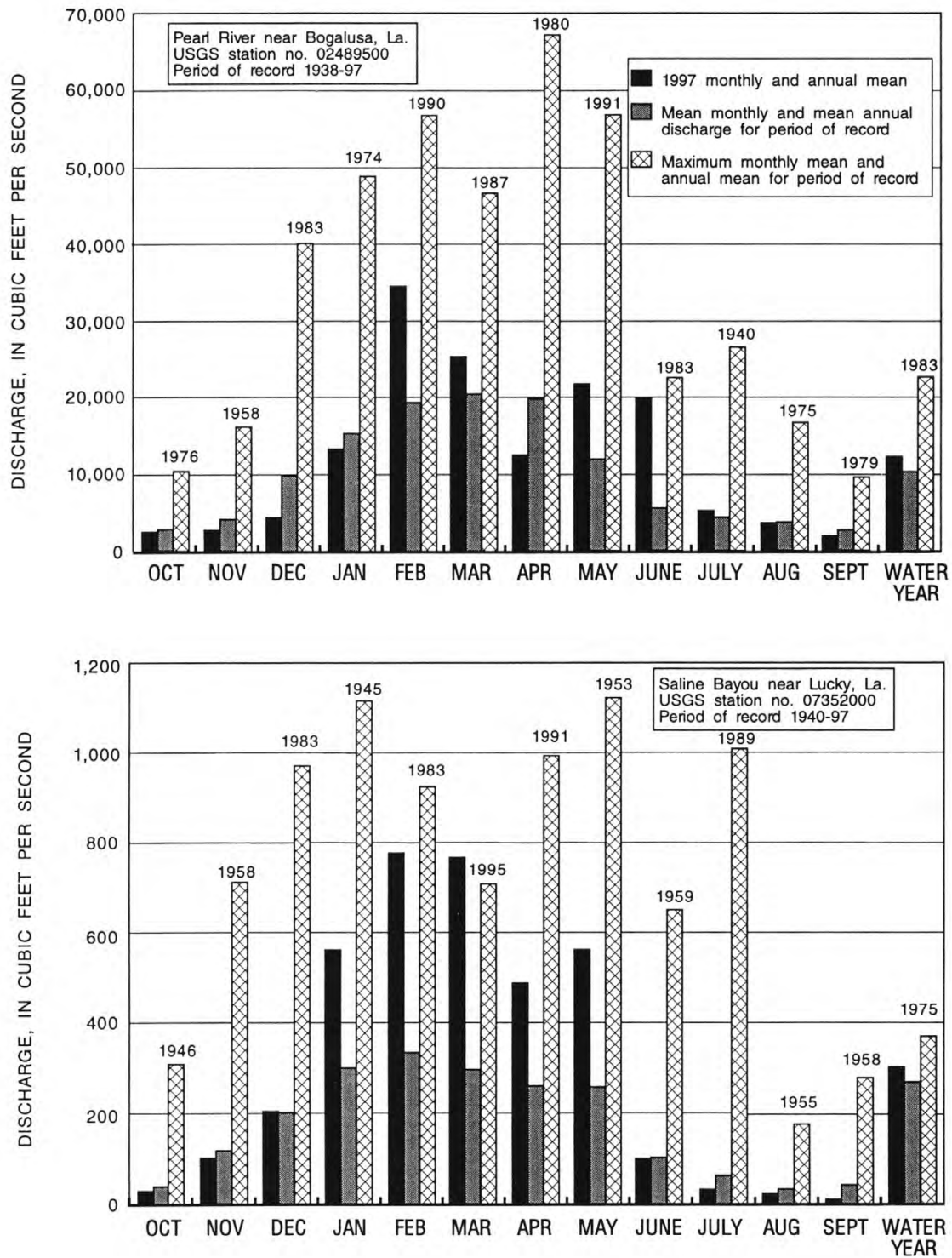


Figure 1. Comparison of discharge during the 1997 water year with mean and maximum discharge for the period of record at four representative gaging stations.

WATER RESOURCES DATA - LOUISIANA, 1997

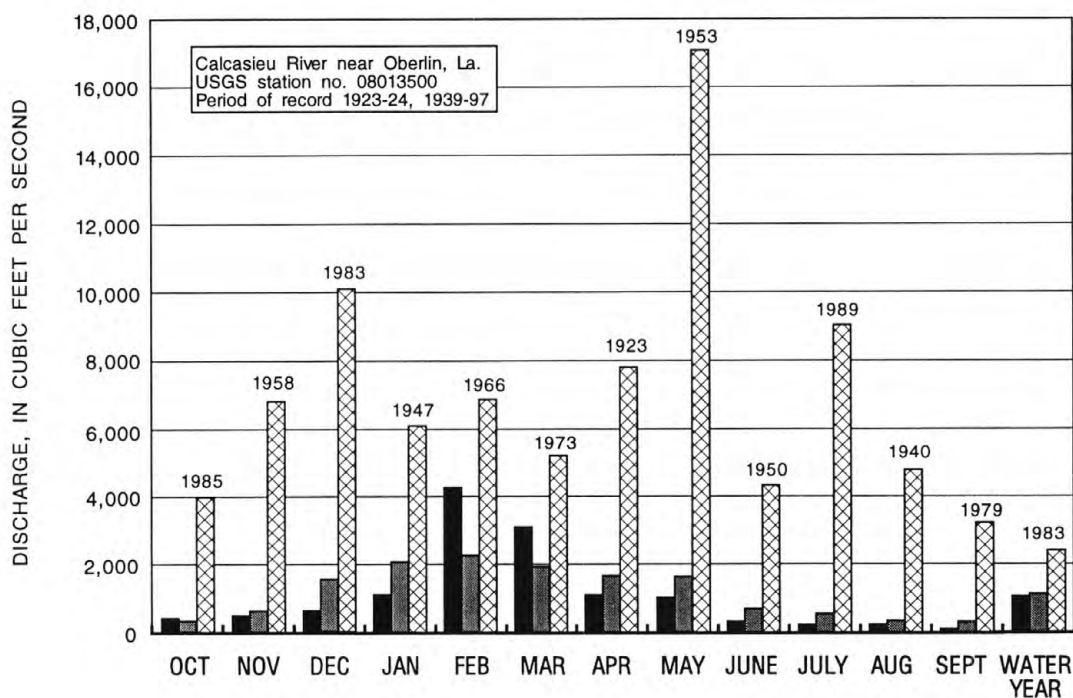
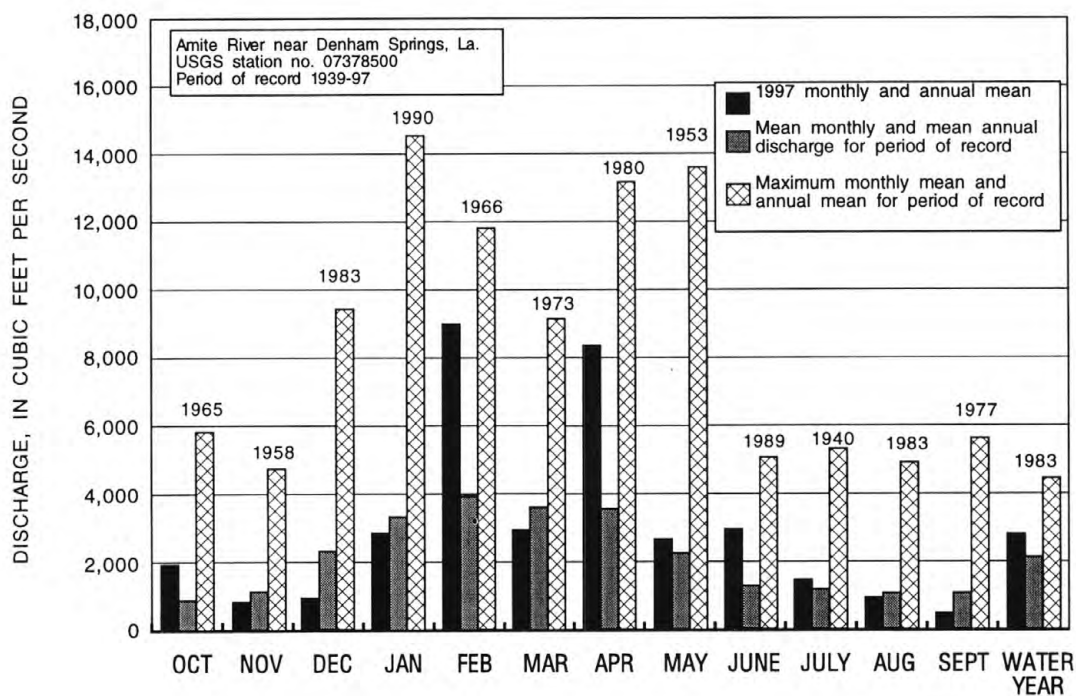


Figure 1. Comparison of discharge during the 1997 water year with mean and maximum discharge for the period of record at four representative gaging stations--Continued.

WATER RESOURCES DATA - LOUISIANA, 1997

Surface-Water Quality

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

At most sites along the lower Mississippi River, the specific conductance values ranged from 256 to 546 $\mu\text{S}/\text{cm}$ (microsiemens per centimeter at 25 °C) during the 1997 water year. However, flow of saltwater from the Gulf of Mexico into the lower Mississippi River affected the specific conductance at Venice; the specific conductance at the surface was 2,020 $\mu\text{S}/\text{cm}$ on September 25, 1997. Water temperature values ranged from approximately 6.0 to 32.0 °C. Chloride concentrations ranged from a minimum of 12 mg/L (milligrams per liter) at St. Francisville on March 26 and April 8, 1997, to a maximum of 130 mg/L at Venice on September 25, 1997.

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 175 to 1,360 $\mu\text{S}/\text{cm}$ during the 1997 water year. Water temperature values ranged from approximately 7.0 to 32.0 °C. Chloride concentrations ranged from approximately 11 to 200 mg/L along the Red River. Total iron and manganese concentrations were characteristically high except at Coushatta on July 22, 1997. Total iron concentrations ranged from a minimum of 8 $\mu\text{g}/\text{L}$ (micrograms per liter) at Coushatta on July 22, 1997, to a maximum of 4,800 $\mu\text{g}/\text{L}$ at Alexandria on October 30, 1996. Total manganese concentrations ranged from a minimum of 6 $\mu\text{g}/\text{L}$ at Coushatta on July 22, 1997, to a maximum of 230 $\mu\text{g}/\text{L}$ at Alexandria on October 30, 1996.

Water-quality stations on the Atchafalaya River include the Lower Atchafalaya River at Morgan City and the Atchafalaya River at Melville. The specific conductance values ranged from 248 $\mu\text{S}/\text{cm}$ at Melville on February 19, 1997, to 554 $\mu\text{S}/\text{cm}$ at Morgan City on September 29, 1996. The minimum water temperature was 7.5 °C at Melville on January 29 and February 19, 1997, and the maximum water temperature was 32.0 °C at Melville on July 31, 1997. At Melville, the minimum sediment load was 4,800 T/day (tons per day) on September 18, 1997, and the maximum sediment load was 525,000 T/day on March 13, 1997.

Ground-Water Levels

During the water year, water levels were monitored in aquifers throughout the State. Aquifers in northern Louisiana included the Mississippi River alluvial, upland terrace, Cockfield, Sparta, and Carrizo-Wilcox aquifers. Water levels in the Mississippi River alluvial aquifer fluctuated seasonally 1 to 10 ft, with no substantial long-term change. No substantial water-level changes were observed in the upland terrace aquifer. Normal seasonal fluctuations were observed in water levels in the Cockfield aquifer and no substantial changes occurred. Water levels in the Sparta aquifer continue to decline about 1 to 2 ft/yr; the regional water-level decline is illustrated in the hydrograph for well W-172 (fig. 2a) in Winn Parish. Water levels in the Carrizo-Wilcox aquifer indicated little net change.

In aquifers of Miocene age in central Louisiana, water levels in the Williamson Creek aquifer indicated no substantial changes. Water levels in the Carnahan Bayou aquifer indicated no net change as shown in the hydrograph for well V-426 (fig. 2a). Water levels in the Catahoula aquifer declined less than 1.0 ft during the water year.

Water levels in most wells monitored in the Chicot aquifer system of southwestern Louisiana fluctuated seasonally with little net change in most areas. In the updip and outcrop area where the Chicot aquifer system is undifferentiated, water levels in well Ev-229 declined 0.5 ft/yr during the period 1992-97. In areas where the Chicot aquifer system is divided into upper and lower sand units, water levels in wells Ac-335U and JD-773 declined at average rates between 0.5 and 1.0 ft/yr. In Calcasieu Parish and western Cameron Parish, where the Chicot aquifer system is divided into the "200-", "500-", and "700-foot" sands, water levels in well Cu-843 declined about 3 ft during the period 1995-97. Seasonal fluctuations in water levels in wells monitored in the Chicot aquifer system ranged from about 2 to 30 ft, and were mostly due to seasonal pumpage from the aquifer system during the water year. Water levels in wells monitored in the Evangeline aquifer of southwestern Louisiana indicated seasonal fluctuations of 0 to 10 ft but little net change, except in well R-1085B in which water levels have declined 14 ft since 1995.

In the five-parish area of East and West Baton Rouge, East and West Feliciana, and Pointe Coupee Parishes, located in southeastern Louisiana, water levels in most wells monitored indicated fluctuations of 0 to 30 ft but little or no net change except in the following wells. Water levels in wells WBR-5, -102A, and -148 completed in the "1,200-foot" sand in West Baton Rouge Parish rose at an average rate of about 0.6 ft/yr over the past 10 years (fig. 2a). Water levels in wells WBR-160 completed in the "800-foot" sand, EB-304 and EB-778 (fig. 2b) completed in the "2,000-foot" sand, and most of the wells completed in the "2,400-foot" and "2,800-foot" sands declined at rates that ranged from 1 to 2 ft/yr over the past 5 to 10 years. Water levels in wells EF-185 and EF-223 have recovered at rates of about 2.5 and 1.5 ft/yr, respectively, since 1991.

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In the River Parishes south of Baton Rouge, water levels in wells monitored generally fluctuated with little net change. Water levels in Or-42 (fig. 2b) completed in the Gonzales-New Orleans aquifer in Orleans Parish recovered about 2 ft/yr during 1989-95 and indicated only seasonal fluctuations from 1995-97. Water levels in well Or-175 rose about 10 ft during 1997.

In the Florida Parishes, the area east of Baton Rouge and north of Lake Pontchartrain, water levels in most of the wells monitored indicated normal seasonal fluctuations except in the following wells. Water levels in wells Li-52 completed in the "1,700-foot" sand in Livingston Parish, ST-576 completed in the Slidell aquifer in St. Tammany Parish, and Ta-260 completed in the Amite aquifer in Tangipahoa Parish declined about 1 ft/yr during the past 5 to 10 years. Water levels in well Ta-454 (fig. 2b) completed in the Kentwood aquifer in northern Tangipahoa Parish recovered at the rate of about 0.5 ft/yr during the period 1990-97.

Ground-Water Quality

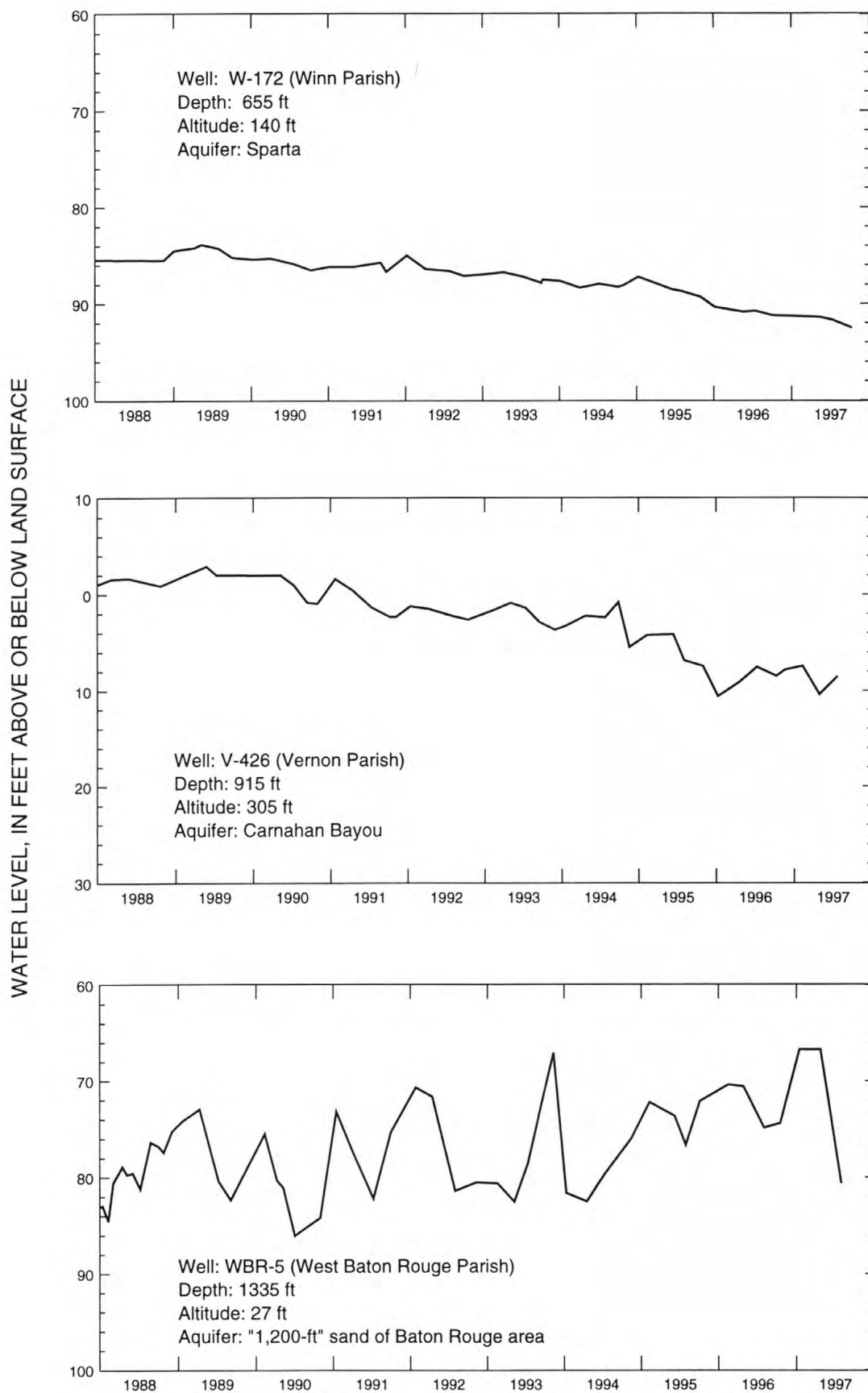
Chloride concentrations in water from 97 wells completed in the major aquifers ranged from 2.1 mg/L in well WBR-100B completed in the "2,400-foot" sand in West Baton Rouge Parish, to 8,500 mg/L in well EB-805 completed in the "1,000-foot" sand in East Baton Rouge Parish. Chloride concentrations in water from wells completed in the Mississippi River alluvial aquifer indicated normal ranges except for well Co-205, in Concordia Parish, which has increased 17 mg/L since March 1996; and well Mo-842, in Morehouse Parish, which has increased 130 mg/L since 1995. Chloride concentrations in water from the Sparta aquifer indicated no substantial trends except for wells W-144B and W-179, which have increased 50 mg/L since 1992.

Chloride concentrations in water from wells completed in the upper part of the Chicot aquifer system along the freshwater-saltwater interface in southwestern Louisiana indicated little net change during the water year except in two wells. Chloride concentrations in water from well I-93 in Iberia Parish decreased at a rate of about 3 (mg/L)/yr for the past 10 years, and in water from well Ve-637L in Vermilion Parish (fig. 2c), concentrations increased at a rate of about 10 (mg/L)/yr during the period 1992-97. In the Lake Charles area, chloride concentrations in water from wells completed in the "200-foot" and "500-foot" sands remained fairly constant and continued to increase slightly in the "700-foot" sand.

In the Baton Rouge area, chloride concentrations remained constant or continued previous trends in most wells sampled except as follows. In the "500-foot" sand, chloride concentrations in water from well EB-789B increased (fig. 2c) during the past several years at a rate of about 120 (mg/L)/yr. In the past 2 years, chloride concentrations in water from well EB-918 increased from 6.8 to 130 mg/L, but in water from well EB-917 chloride concentrations decreased from 50 to 29 mg/L. In the "2,400-foot" sand, chloride concentrations in water from well EB-804B increased from 31 to 40 mg/L since the last water year.

Chloride concentrations in aquifers near New Orleans in southeastern Louisiana indicated little change or continued previous trends in most wells sampled except as follows. During 1988-95, the chloride concentrations in water from well SC-159 in the Norco aquifer was between 200 and 250 mg/L; the concentration increased to 440 mg/L in 1997. Chloride concentrations in water from wells Jf-161 and Jf-184 (fig. 2c) in the Gonzales-New Orleans aquifer have increased at a rate of about 7 and 5 (mg/L)/yr, respectively, since 1990.

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**Figure 2a.** Water levels for wells W-172, V-426, and WBR-5.

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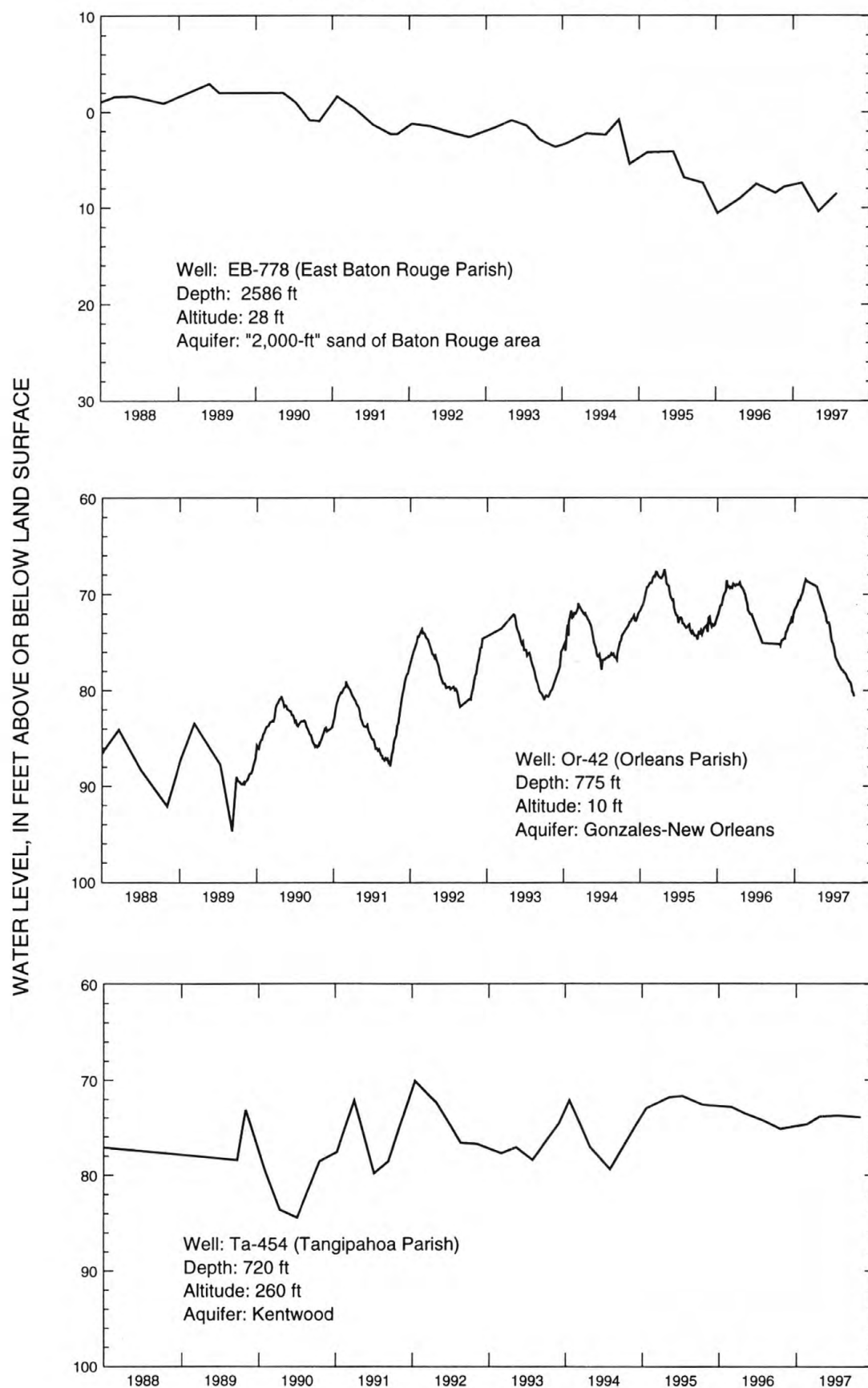


Figure 2b. Water levels for wells EB-778, Or-42, and Ta-454.

WATER RESOURCES DATA - LOUISIANA, 1997

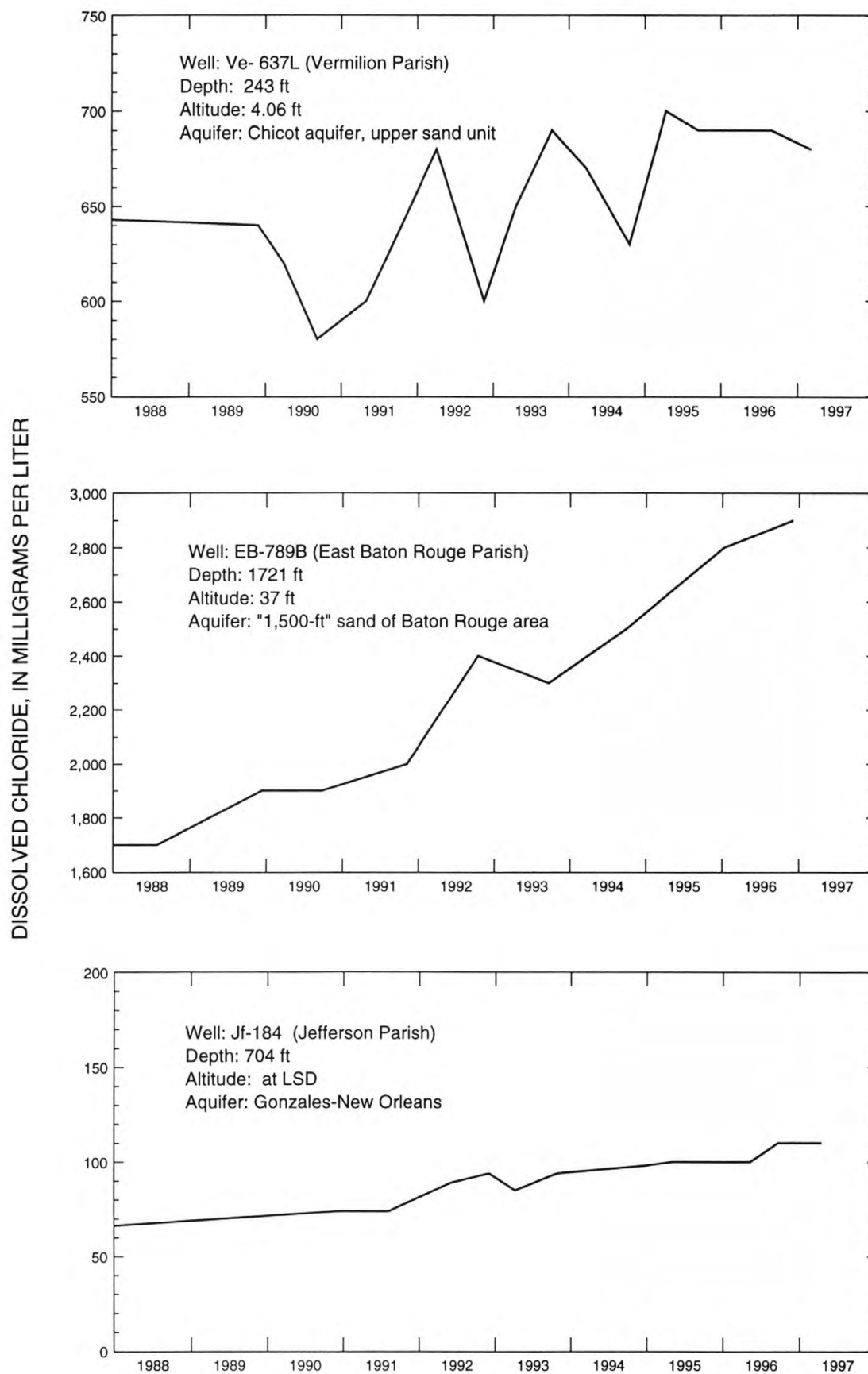


Figure 2c. Chloride concentrations for wells Ve-637L, EB-789B, and Jf-184.

WATER RESOURCES DATA - LOUISIANA, 1997

SPECIAL NETWORKS AND PROGRAMS

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

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

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

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

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

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

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

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

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

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

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

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1997 water year that began October 1, 1996, and ended September 30, 1997. 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 4-16. 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, 1997

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 indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

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

Latitude-Longitude System

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

Records of Stage and Water Discharge

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

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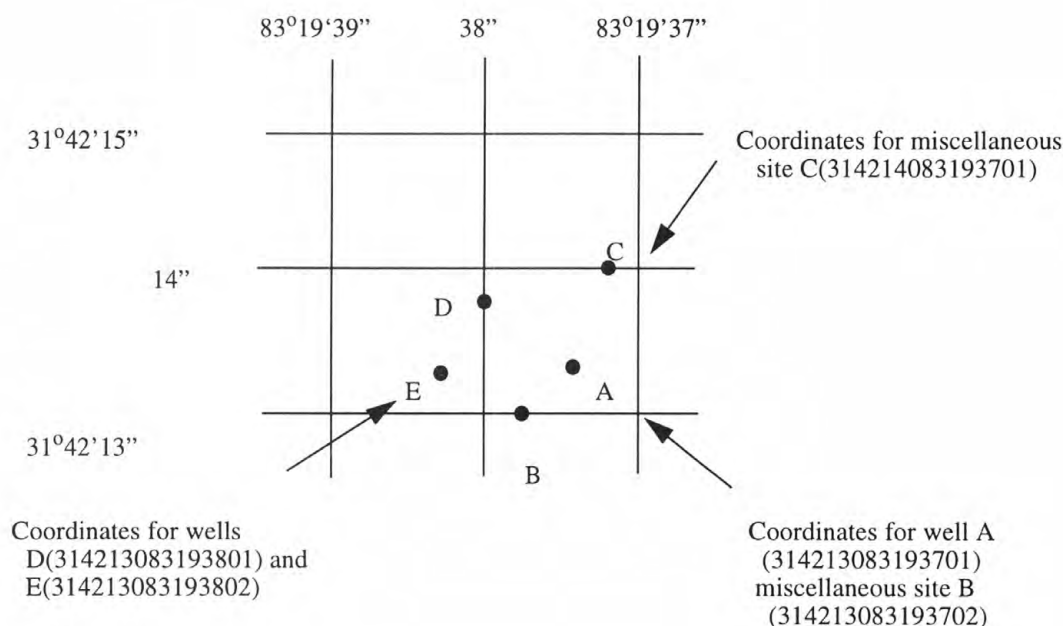


Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude).

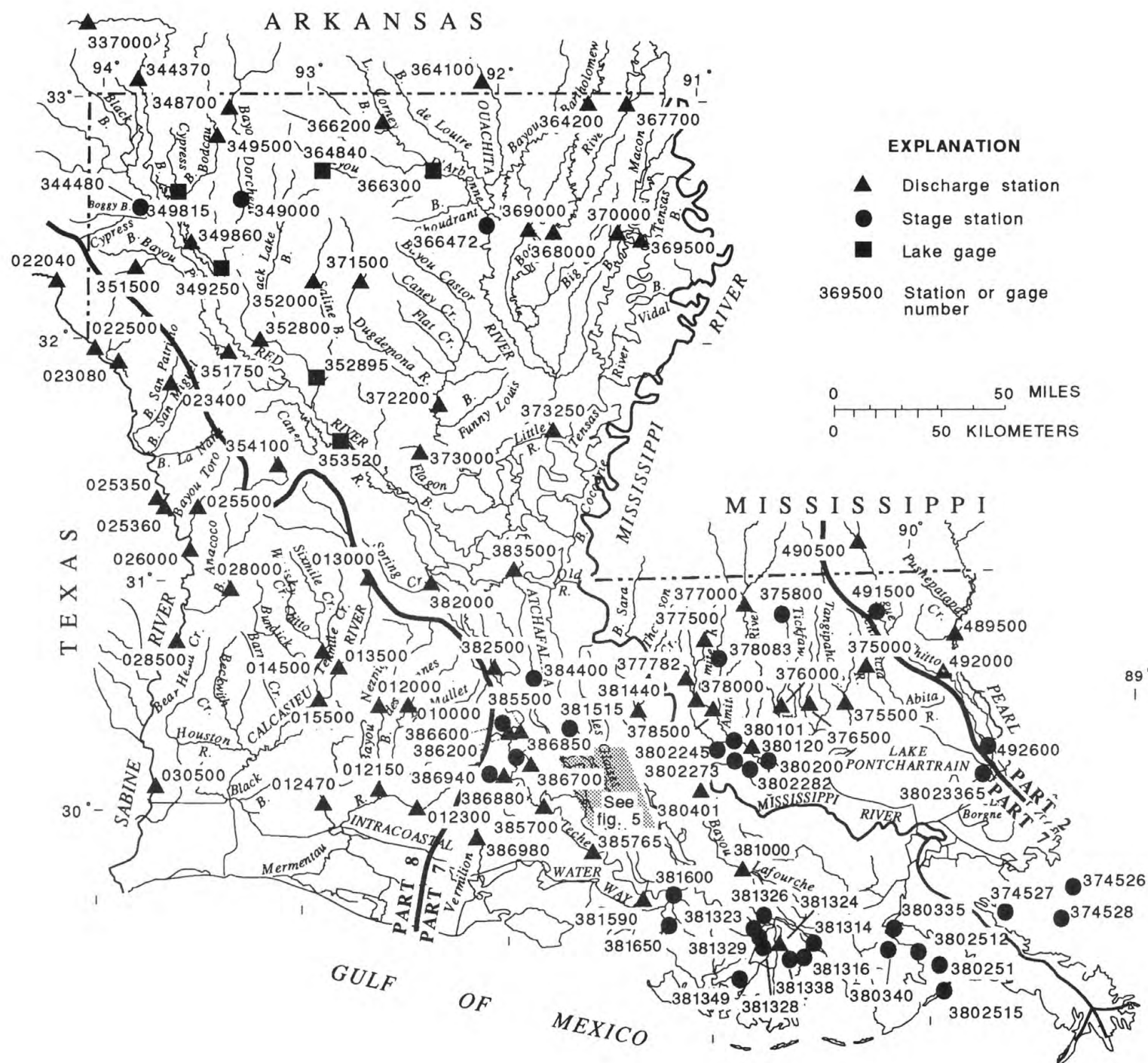
By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record and crest-stage partial-record stations for which data are given in this report are shown in figures 4-8.

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

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



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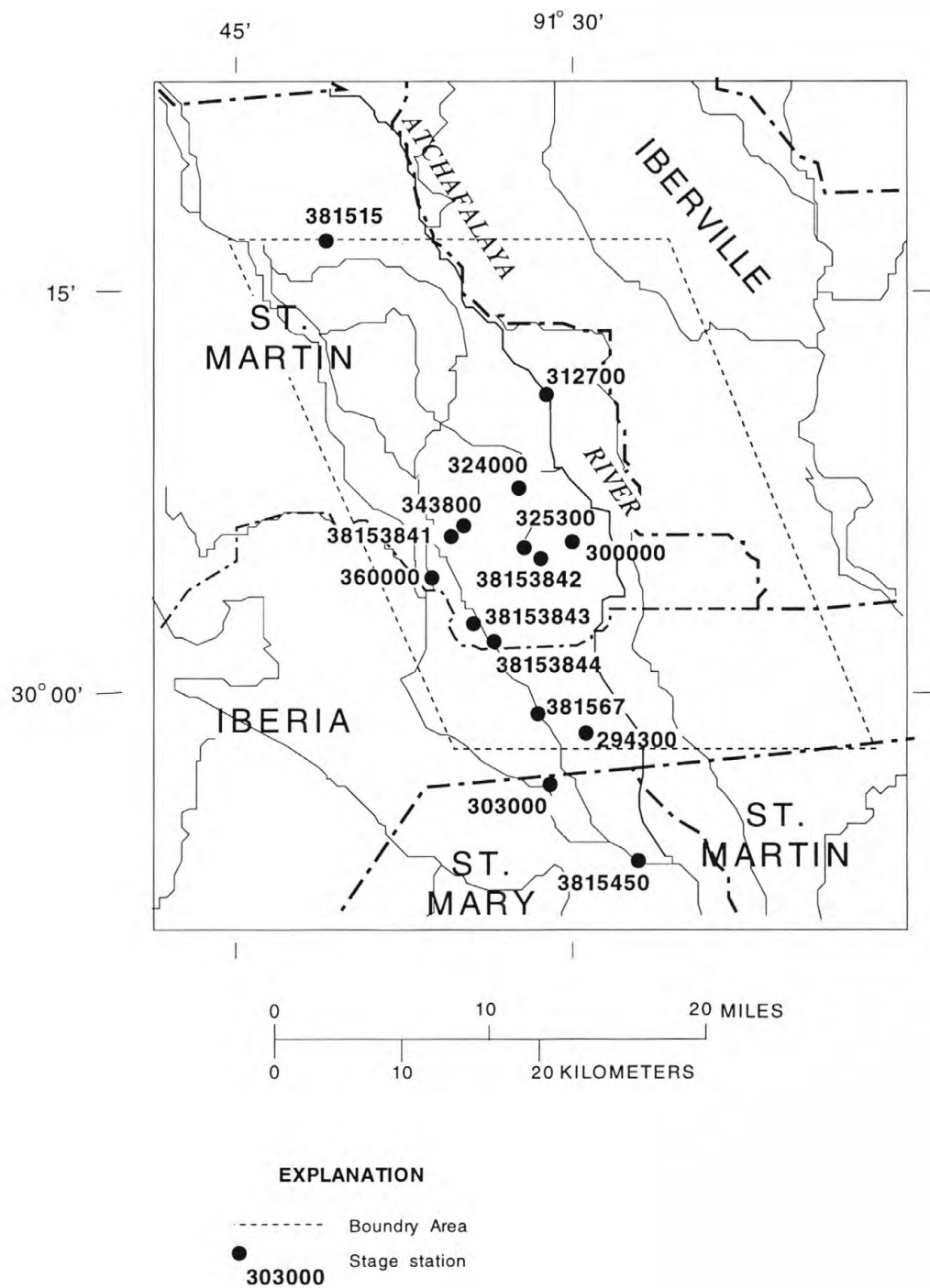


Figure 5. Location of stage stations in the Atchafalaya River basin (shaded area of fig. 4).



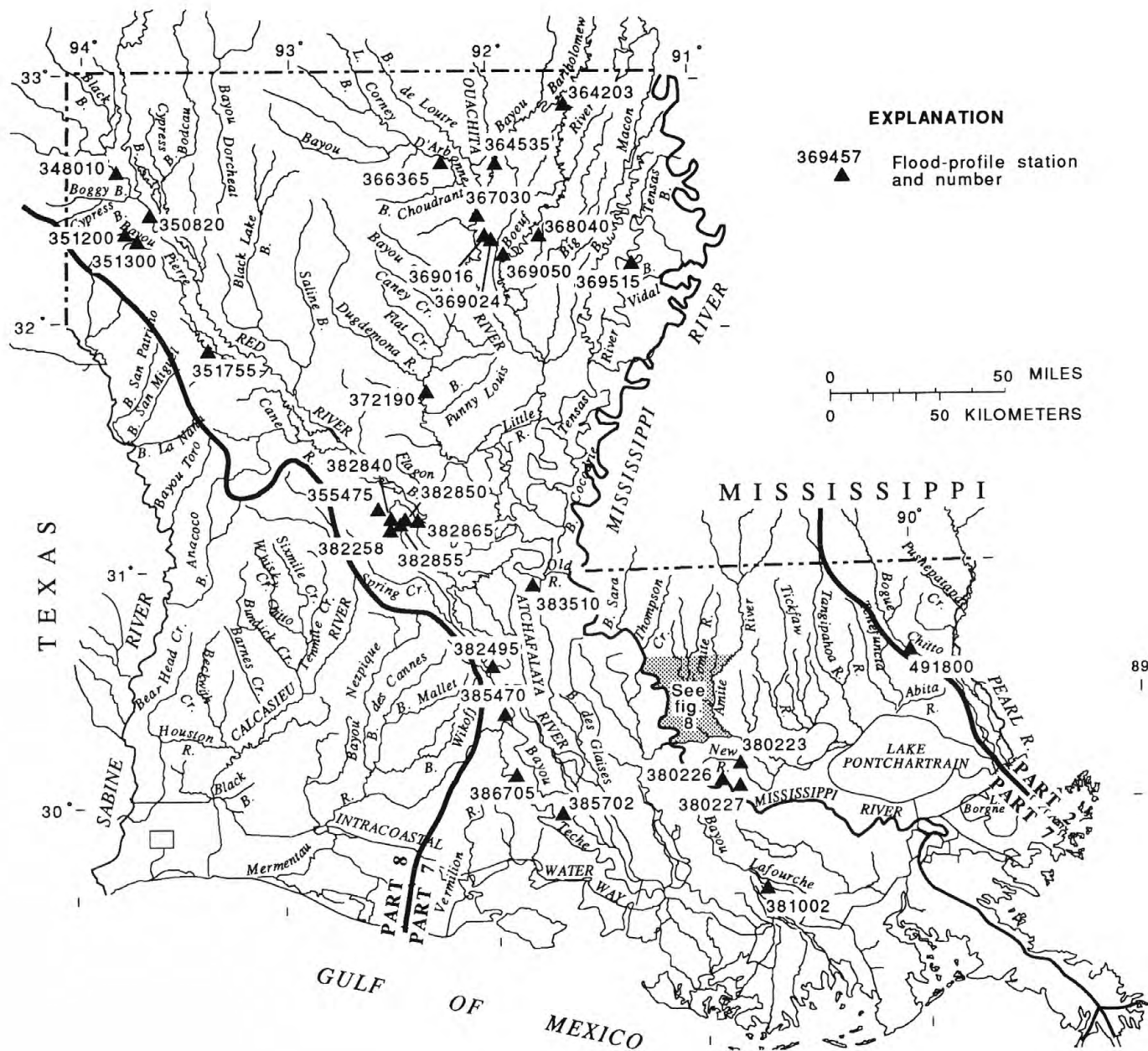


Figure 7. Location of flood-profile stations.

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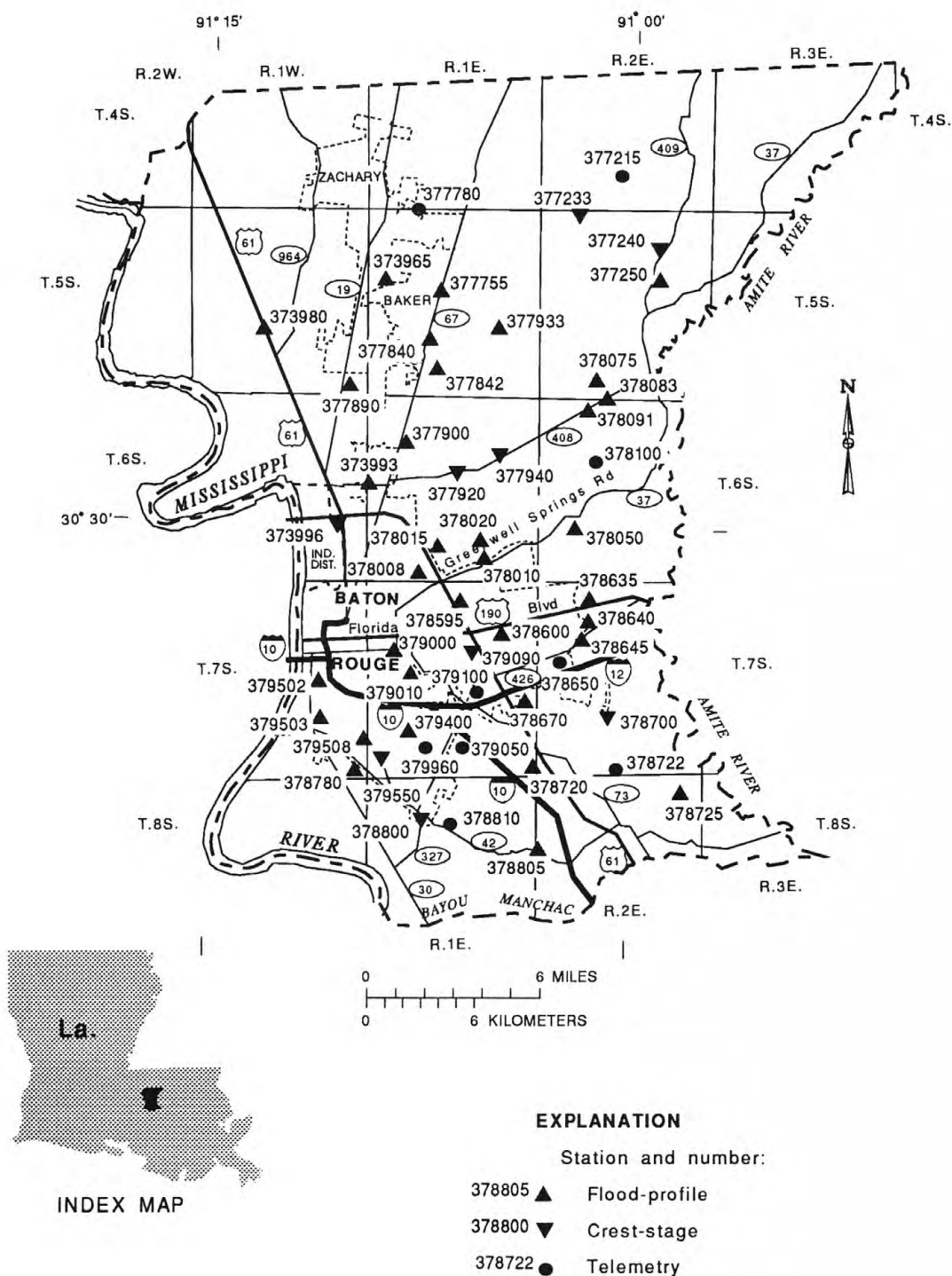


Figure 8. Location of flood-profile and crest-stage stations in East Baton Rouge Parish.

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

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

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

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

Data Presentation

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

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

STATION MANUSCRIPT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

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

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

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

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

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

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

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

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Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

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

Discharges at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effect of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other exchanges 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. 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.

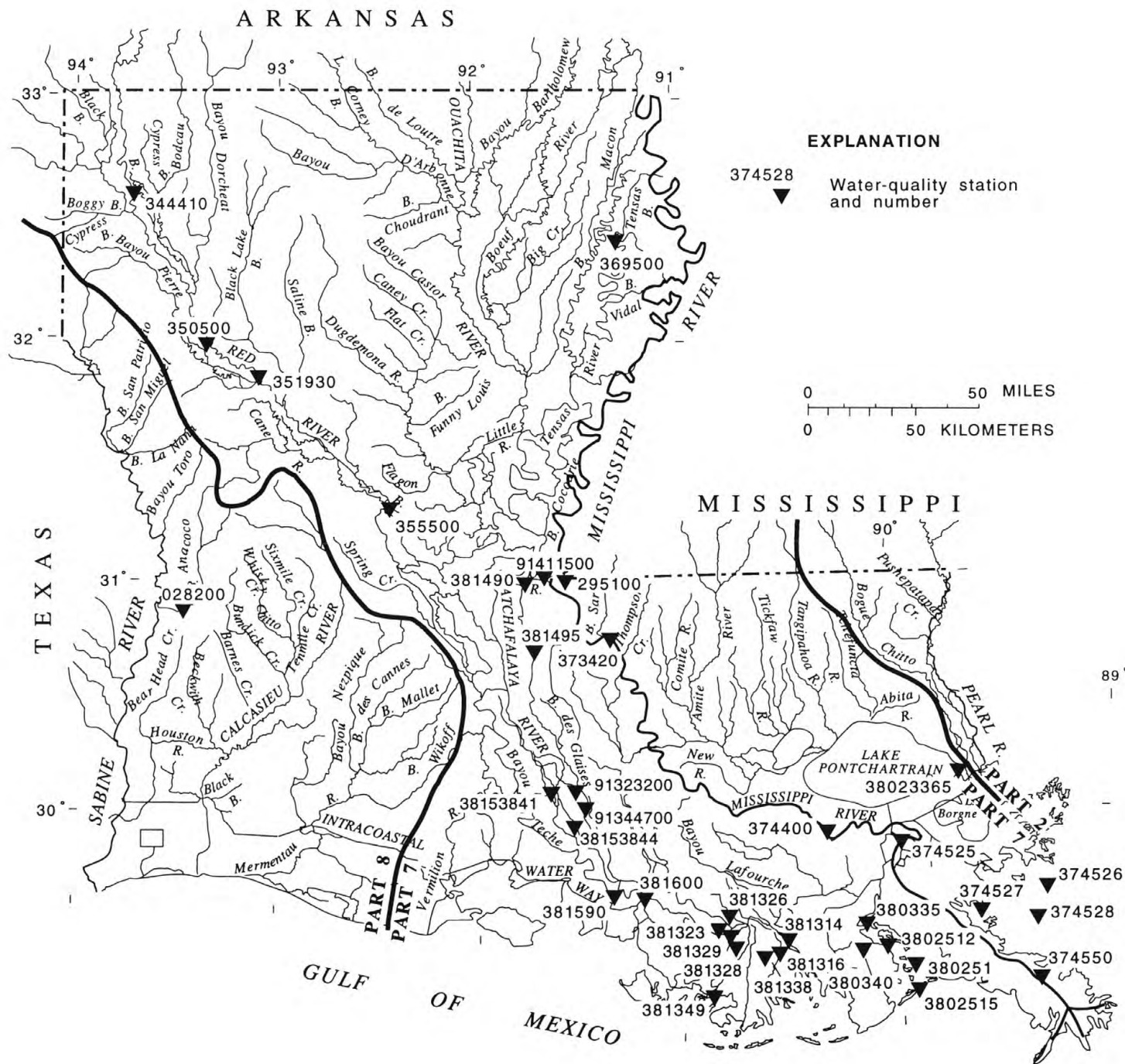


Figure 9. Location of water-quality stations.

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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 to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

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

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

Laboratory Measurements

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

Data Presentation

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

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

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

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

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

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

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

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

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

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

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

Remarks Codes

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

PRINTED OUTPUTREMARK

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

Dissolved Trace-Element Concentrations

NOTE.--"Traditionally, dissolved trace-element concentrations have been reported at the micrograms per liter ($\mu\text{g/L}$) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). 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.

Records of Ground-Water Levels

Data Collection and Computation

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

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

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

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

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented by the well description. Locations of stations for which records on ground water appear in this report are shown in figures 10-16.

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

Records of Ground-Water Quality

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

Data Collection and Computation

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

Data Presentation

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

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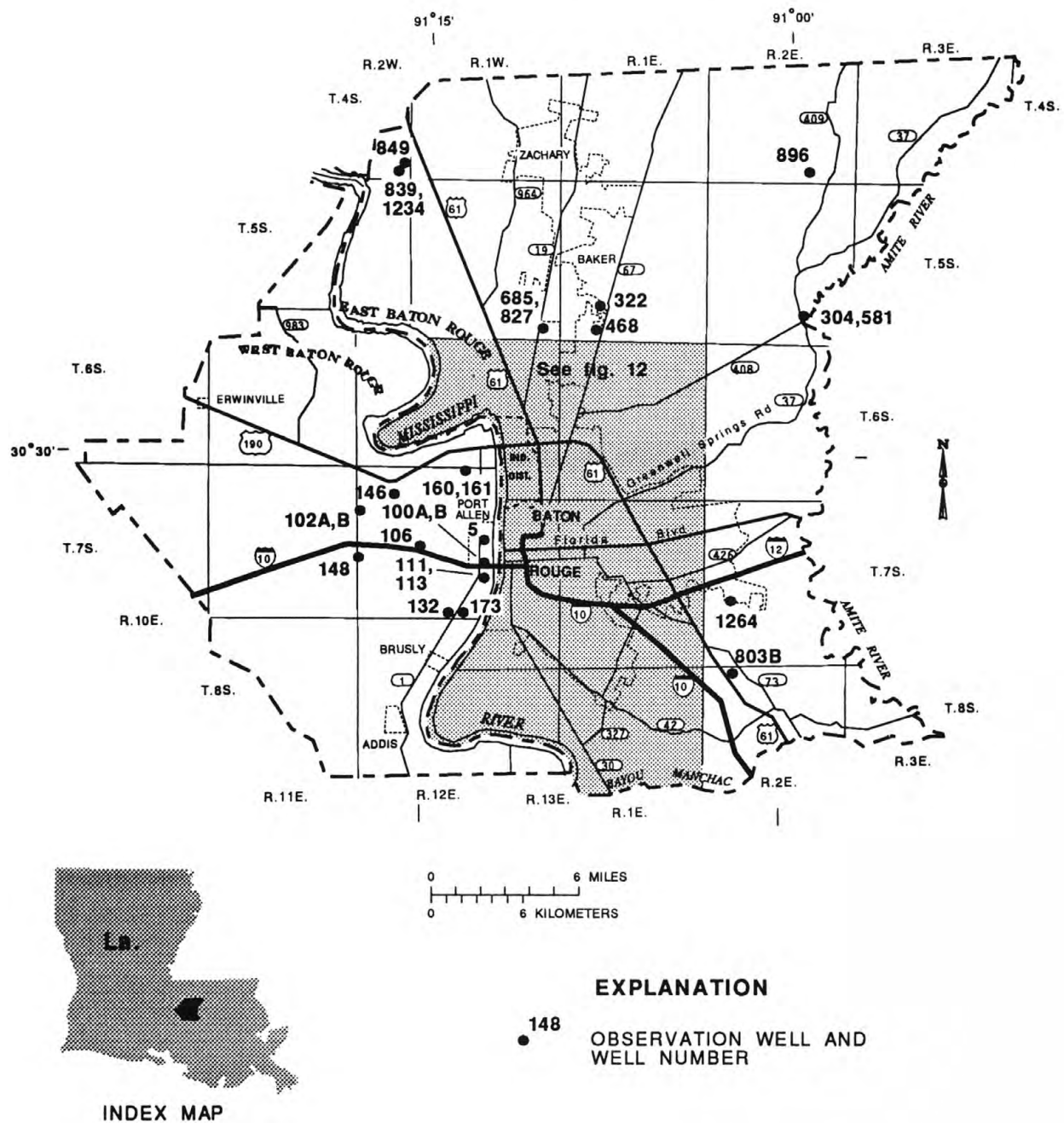


Figure 11. Location of observation wells in East and West Baton Rouge Parishes.

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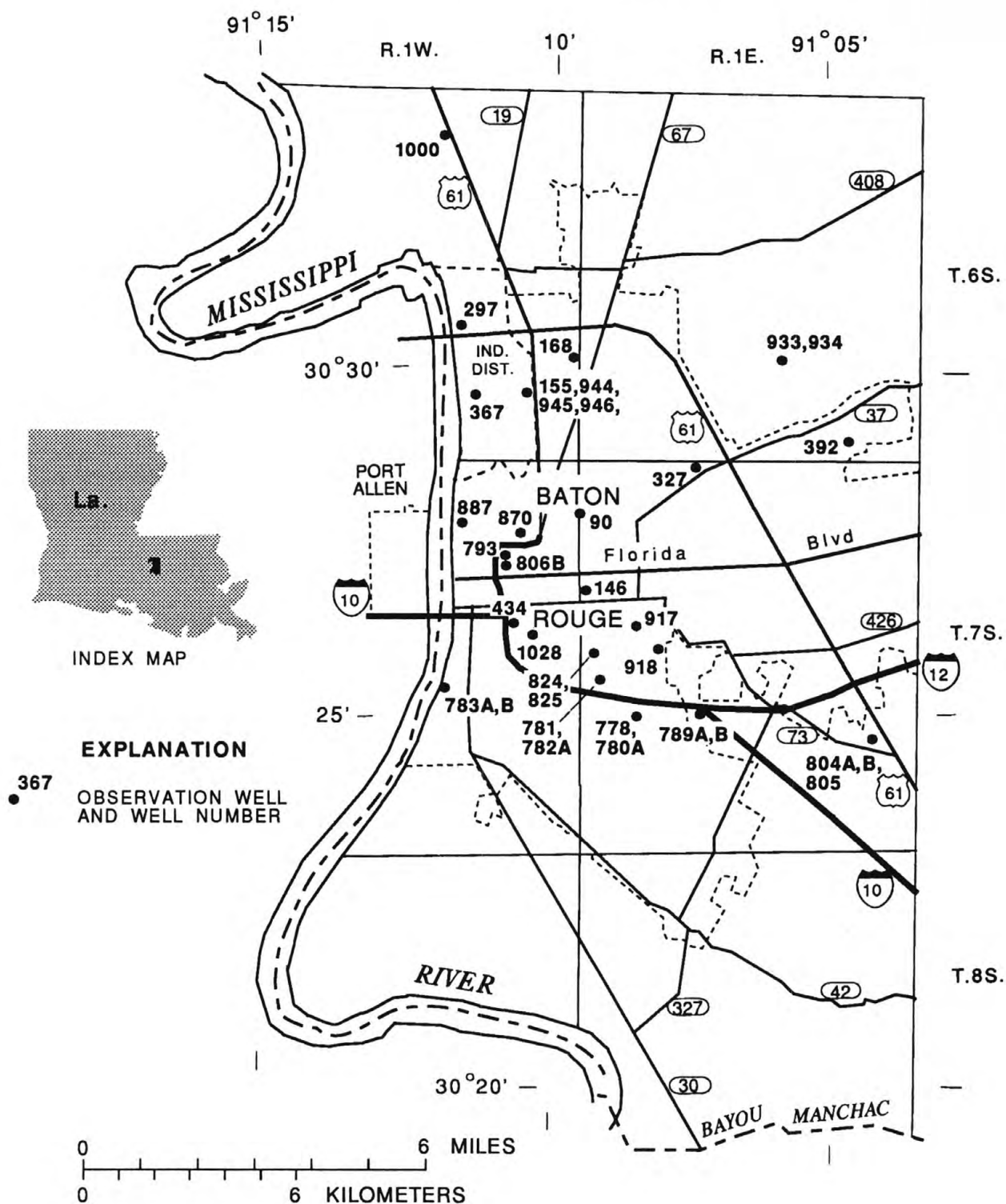


Figure 12. Location of observation wells in shaded area of figure 11.

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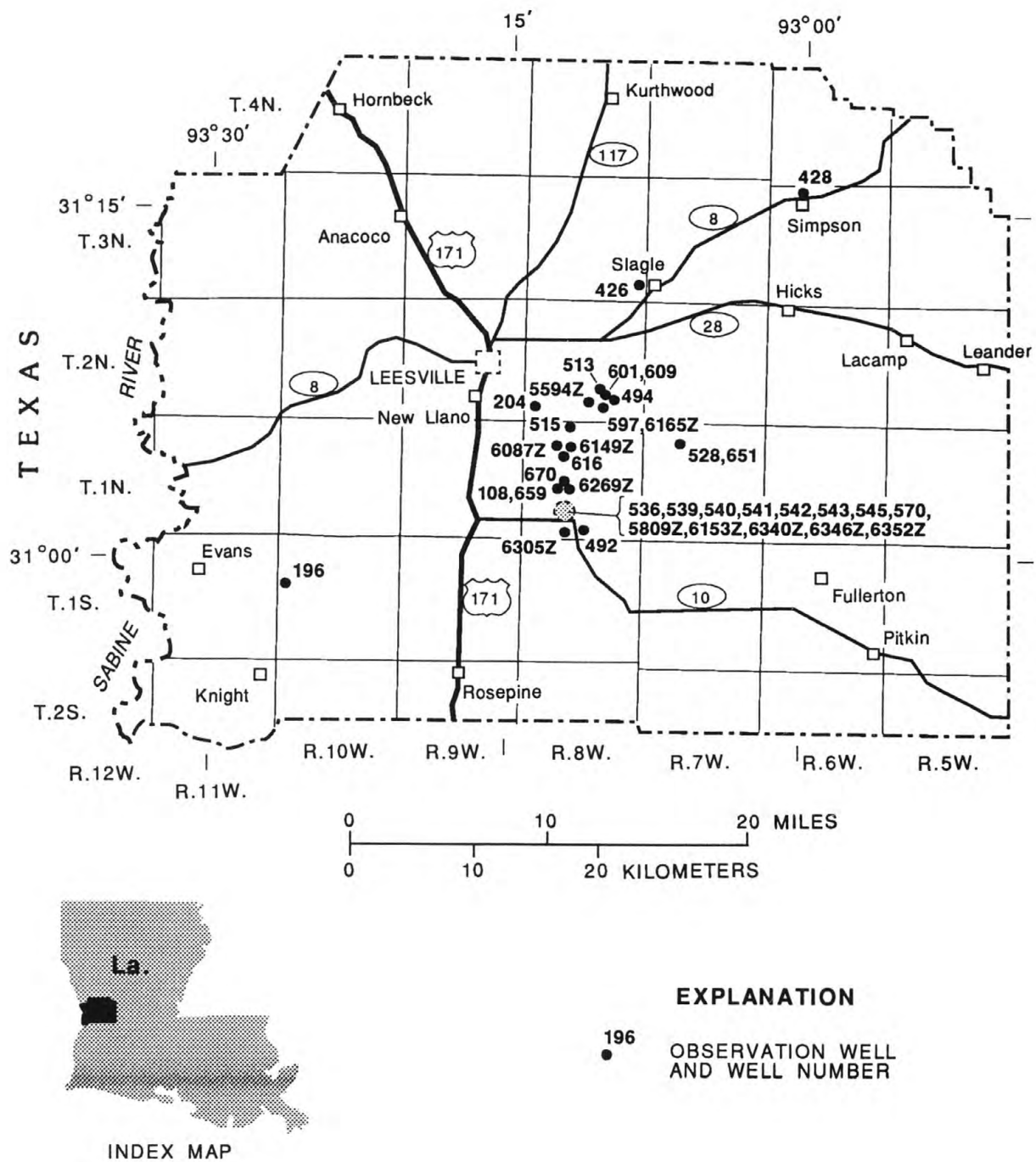


Figure 13. Location of observation wells in Vernon Parish (see fig. 10).

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Figure 14. Location of wells for which water-quality data are included.

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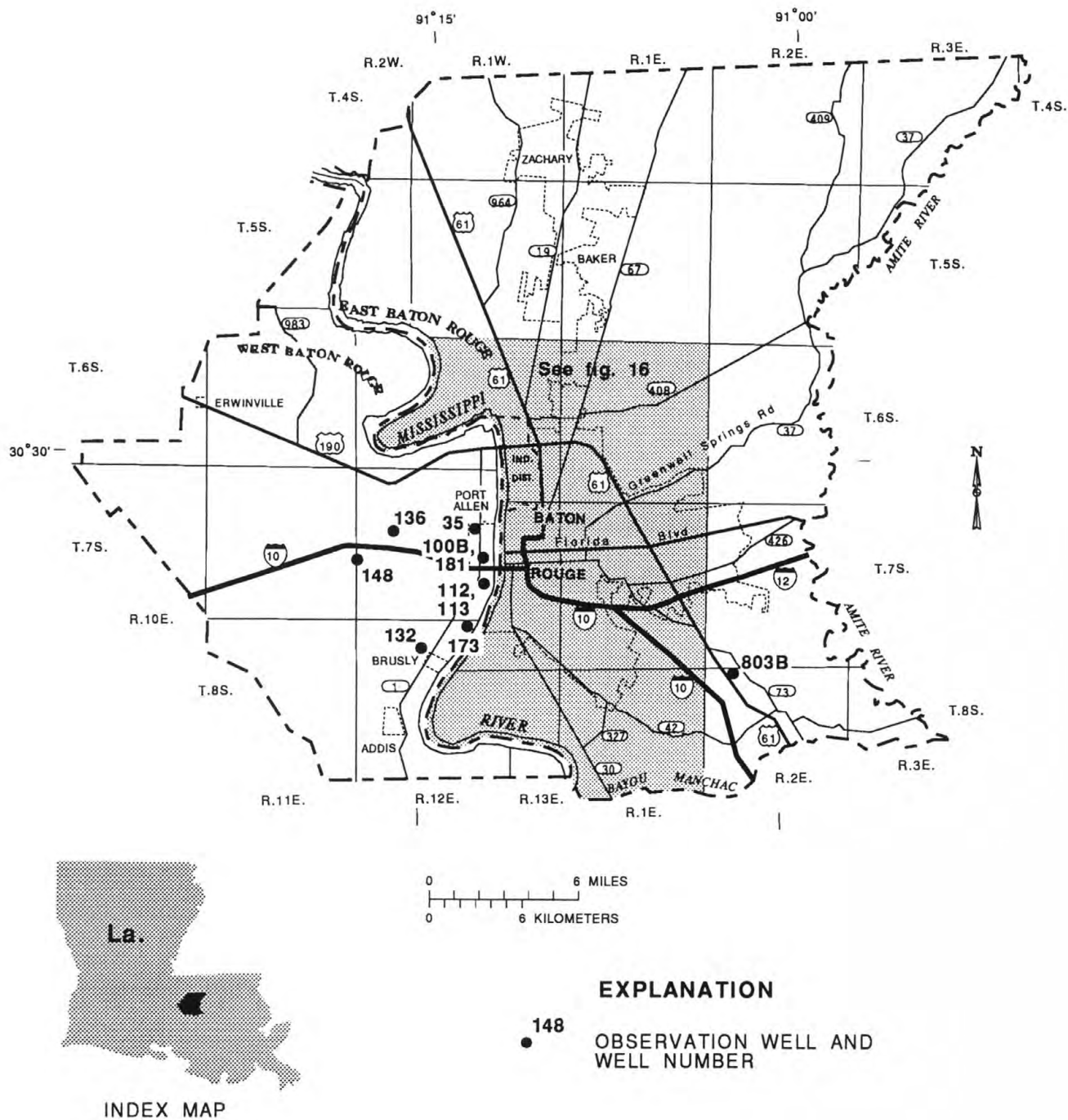


Figure 15. Location of wells for which water-quality data are included in East and West Baton Rouge Parishes.

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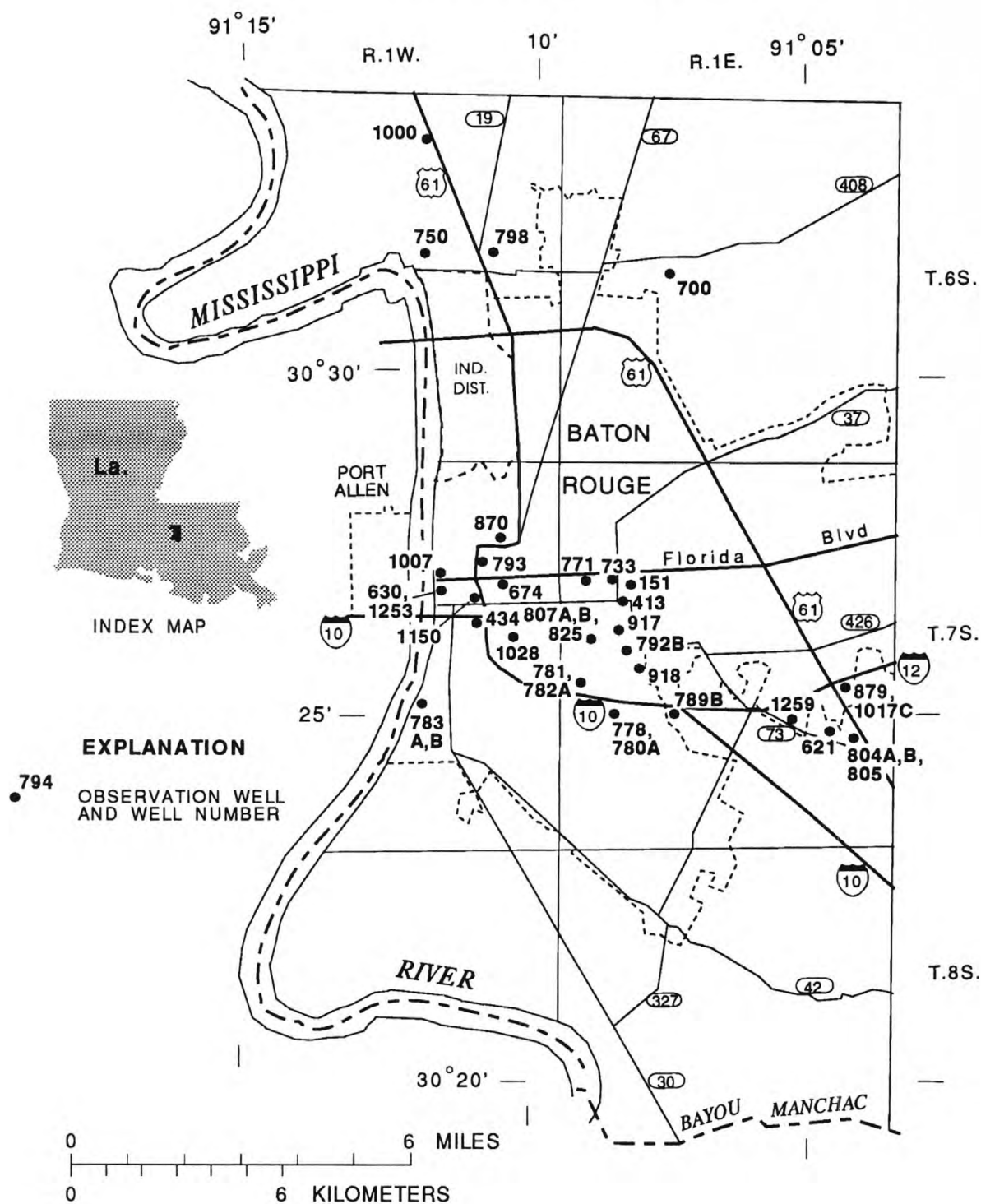


Figure 16. Location of wells for which water-quality data are included in shaded area of figure 15.

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.

Bottom material: see Bed Material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The classification is as follows:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

- 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.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
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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.
- 3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-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.

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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.
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- 3-A16 *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17 *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18 *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19 *Levels of streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.
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- 3-A21 *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.
- 3-B1 *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2 *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3 *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4 *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4 *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R.L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5 *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6 *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7 *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E.J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 pages.
- 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.
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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

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- 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. Greenson, 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.
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- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model description and User's Manual*, by L.J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R.L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L.J. Torak: USGS--TWRI Book 6, Chapter A5. 1993. 243 pages.
- 6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler. 1995. 125 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
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- 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.
- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, by D.N. Myers and F.D. Wilde: USGS--TWRI Book 9, Chapter A7. 1997. 49 pages.

HYDROLOGIC-DATA STATION RECORDS

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA

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

DRAINAGE AREA.--6,573 mi².

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

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

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

REMARKS.--No estimated daily discharges. 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2070	2830	4660	7750	20100	50100	9720	52600	18300	8520	4040	2970
2	2320	2590	5950	8740	21100	47000	7460	55900	22500	10500	4180	2740
3	2400	2430	5120	8390	21200	42600	5970	54200	24700	11000	4710	2640
4	2210	2330	5050	8200	21700	41300	5150	52000	25400	8800	5030	2540
5	2040	2250	5140	8030	23600	35600	4950	49100	24900	7240	4690	2450
6	2020	2250	5270	7250	24700	33700	6340	44900	23700	7200	4150	2410
7	2060	2260	5330	6580	24700	30900	11000	39300	22700	6860	3770	2370
8	2030	2450	5040	6690	24700	29500	17600	35700	20200	6830	3630	2330
9	1970	2960	4560	7860	24700	26800	21000	33300	16200	7900	3670	2310
10	1910	2910	4130	10400	24900	24300	20400	30700	12900	7400	3870	2330
11	1880	2690	3860	15200	25900	20400	16600	26700	12000	6130	4510	2390
12	1840	2650	3480	20200	28200	18200	14600	19300	12900	4990	4360	2450
13	1820	2560	3120	21600	30200	18800	18100	12100	18600	4350	4200	2460
14	1810	2390	2840	21000	32100	20500	19300	8330	25300	4210	3740	2400
15	1810	2250	2640	19200	34900	25000	17700	6330	28700	4440	3340	2330
16	1800	2150	2510	18600	37000	27700	14900	5260	30700	4510	3380	2260
17	1780	2100	2590	19000	39200	29900	11700	4730	30800	4700	3390	2210
18	1790	2090	2900	18600	41800	30600	9100	4410	32300	4560	3320	2180
19	1770	2100	3670	17900	42600	26400	7250	4270	32800	4210	3680	2140
20	1750	2090	5580	17400	44900	21100	6160	4750	33900	3900	3480	2120
21	1740	2090	6570	15900	43200	21300	5430	5000	30600	4080	3260	2110
22	1750	3110	5990	13800	42400	25500	4990	7570	20500	5430	3030	2100
23	1760	4150	5190	11900	39900	25700	4660	9030	12600	5250	2930	2080
24	1770	3910	4690	11000	41800	21400	4540	9640	8930	5100	3420	2080
25	1960	3510	4280	10900	47000	22300	4670	14500	7450	4820	4370	2120
26	4150	3170	4000	10800	53200	13000	6100	18400	8720	4380	4440	2180
27	10200	3070	4190	9990	55300	11300	10800	15800	14800	4420	4100	2200
28	10300	3290	4540	11200	54600	9820	22200	12200	15300	4540	3840	2250
29	6280	3480	4950	14300	---	9740	32300	9970	11000	4080	3510	2720
30	3970	3780	6060	16300	---	10800	41300	9310	8450	3620	3220	2780
31	3190	---	6720	18300	---	11300	---	12400	---	3650	3030	---
TOTAL	86150	81890	140620	412980	965600	782560	381990	667700	607850	177620	118290	70650
MEAN	2779	2730	4536	13320	34490	25240	12730	21540	20260	5730	3816	2355
MAX	10300	4150	6720	21600	55300	50100	41300	55900	33900	11000	5030	2970
MIN	1740	2090	2510	6580	20100	9740	4540	4270	7450	3620	2930	2080
CFSM		.42	.42	.69	2.03	5.25	3.84	1.94	3.28	3.08	.87	.36
IN.	.49	.46	.80	2.34	5.46	4.43	2.16	3.78	3.44	1.01	.67	.40

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1997, BY WATER YEAR (WY)

MEAN	2936	4291	9973	15310	19660	20510	19610	12610	5741	4635	3802	2910
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1939 - 1997	
ANNUAL TOTAL	3014140		4493900			
ANNUAL MEAN	8235		12310		10120	
HIGHEST ANNUAL MEAN					22560	
LOWEST ANNUAL MEAN					3412	
HIGHEST DAILY MEAN	53200	Feb 9	55900	May 2	127000	Apr 24 1979
LOWEST DAILY MEAN	1740	Oct 21	1740	Oct 21	1020	Oct 29 1963
ANNUAL SEVEN-DAY MINIMUM	1760	Oct 18	1760	Oct 1	1030	Oct 26 1963
INSTANTANEOUS PEAK FLOW			57100	May 2	129000	Apr 24 1979
INSTANTANEOUS PEAK STAGE			20.68	May 2	23.23	Apr 24 1979
INSTANTANEOUS LOW FLOW			1740	Oct 20	1020	Oct 29 1963
INSTANTANEOUS LOW STAGE			7.21	Oct 21	4.84	Oct 30,31 1963
ANNUAL RUNOFF (CFSM)	1.25		1.87		1.54	
ANNUAL RUNOFF (INCHES)	17.06		25.43		20.91	
10 PERCENT EXCEEDS	25100		30800		28000	
50 PERCENT EXCEEDS	3230		6100		4670	
90 PERCENT EXCEEDS	1970		2180		1850	

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.81	8.97	11.34	14.03	18.15	20.45	15.17	20.53	17.81	14.51	10.60	9.17
2	8.20	8.60	12.68	14.64	18.29	20.35	13.85	20.64	18.47	15.54	10.77	8.84
3	8.32	8.37	11.87	14.43	18.30	20.20	12.70	20.58	18.75	15.80	11.41	8.67
4	8.03	8.21	11.80	14.31	18.37	20.15	11.92	20.51	18.83	14.65	11.79	8.53
5	7.76	8.09	11.92	14.21	18.62	19.85	11.69	20.42	18.78	13.70	11.39	8.40
6	7.73	8.10	12.06	13.71	18.75	19.68	12.99	20.28	18.63	13.68	10.73	8.33
7	7.79	8.10	12.12	13.23	18.75	19.42	15.63	20.07	18.50	13.45	10.28	8.28
8	7.75	8.39	11.80	13.32	18.75	19.28	17.68	19.86	18.16	13.41	10.10	8.22
9	7.64	9.17	11.23	14.10	18.75	19.00	18.27	19.64	17.38	14.12	10.15	8.19
10	7.53	9.08	10.72	15.49	18.78	18.70	18.19	19.40	16.49	13.81	10.40	8.22
11	7.46	8.75	10.38	17.13	18.90	18.19	17.46	18.98	16.19	12.84	11.17	8.31
12	7.40	8.70	9.89	18.16	19.15	17.82	17.00	17.96	16.50	11.73	10.99	8.39
13	7.36	8.56	9.40	18.35	19.35	17.95	17.80	16.14	17.90	10.97	10.80	8.41
14	7.34	8.30	8.98	18.27	19.53	18.20	18.02	14.38	18.83	10.81	10.23	8.31
15	7.34	8.09	8.68	18.02	19.79	18.79	17.72	13.00	19.20	11.09	9.69	8.21
16	7.31	7.94	8.48	17.90	19.97	19.10	17.06	12.03	19.40	11.17	9.76	8.10
17	7.29	7.86	8.60	17.98	20.07	19.32	16.04	11.43	19.41	11.39	9.77	8.04
18	7.30	7.85	9.08	17.90	20.17	19.39	14.83	11.05	19.55	11.24	9.68	7.98
19	7.27	7.86	10.15	17.75	20.20	18.96	13.70	10.89	19.60	10.82	10.16	7.92
20	7.23	7.85	12.35	17.64	20.28	18.29	12.87	11.46	19.70	10.43	9.90	7.88
21	7.22	7.85	13.22	17.30	20.22	18.31	12.21	11.74	19.39	10.65	9.59	7.88
22	7.24	9.34	12.72	16.78	20.19	18.85	11.74	13.88	18.15	12.20	9.27	7.86
23	7.24	10.73	11.97	16.14	20.10	18.87	11.35	14.81	16.34	12.02	9.12	7.82
24	7.27	10.44	11.38	15.78	20.17	18.33	11.21	15.12	14.73	11.86	9.81	7.83
25	7.61	9.94	10.89	15.76	20.35	18.45	11.36	16.89	13.84	11.54	11.00	7.89
26	10.52	9.47	10.55	15.68	20.55	16.52	12.77	17.86	14.59	11.02	11.09	7.99
27	15.36	9.32	10.79	15.31	20.62	15.90	15.57	17.28	16.98	11.06	10.68	8.02
28	15.44	9.63	11.20	15.83	20.60	15.22	18.37	16.25	17.16	11.20	10.36	8.10
29	12.89	9.89	11.69	16.90	---	15.18	19.54	15.29	15.74	10.65	9.93	8.80
30	10.51	10.28	12.78	17.41	---	15.70	20.14	14.96	14.46	10.08	9.53	8.90
31	9.50	---	13.35	17.84	---	15.90	---	16.25	---	10.11	9.27	---
MEAN	8.47	8.79	11.10	16.17	19.49	18.40	15.16	16.44	17.65	12.18	10.30	8.25
MAX	15.44	10.73	13.35	18.35	20.62	20.45	20.14	20.64	19.70	15.80	11.79	9.17
MIN	7.22	7.85	8.48	13.23	18.15	15.18	11.21	10.89	13.84	10.08	9.12	7.82

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: Oct. 26-27, 31, Nov. 1, 7-10, Jul. 1-30. Records fair except for periods of estimated daily discharge, which are poor. Telemeter and satellite telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 15	1000	7,010	15.20	Apr. 28	0430	*29,200	*28.91
Feb. 26	1330	8,540	16.61	Jun. 18	1700	9,700	17.67
Mar. 21	1230	7,560	15.72				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	e270	401	546	843	3510	593	2000	2720	e1600	519	288
2	241	265	597	472	688	2050	468	1220	1820	e1200	408	284
3	233	260	467	430	611	1650	413	1060	872	e940	353	290
4	223	254	355	409	777	1400	382	902	420	e760	335	280
5	228	250	324	403	919	1080	1180	805	324	e620	326	277
6	235	247	312	396	838	886	4090	726	287	e560	320	275
7	237	e290	303	429	679	767	5110	694	302	e900	314	273
8	236	e350	299	644	767	685	3440	667	330	e1400	322	270
9	233	e320	297	1090	1130	620	1160	584	873	e800	348	290
10	233	e300	295	1030	920	583	640	394	503	e660	399	301
11	232	280	303	720	691	563	856	350	616	e620	891	290
12	233	265	295	552	646	545	1700	332	426	e560	470	284
13	234	254	296	487	4970	866	1680	331	410	e500	370	273
14	234	248	298	455	6020	2040	1090	322	297	e450	348	268
15	237	248	301	456	6280	2360	670	306	259	e800	327	266
16	236	245	326	600	3080	2200	518	287	242	e1100	315	264
17	237	244	428	741	1310	1510	442	265	708	e580	308	262
18	239	247	790	636	988	813	390	247	6170	e460	304	261
19	241	249	574	520	856	909	356	239	4470	e420	301	260
20	243	250	424	472	798	2500	338	237	3340	e340	297	259
21	244	250	380	449	1380	6740	326	392	2860	e480	295	258
22	251	248	360	458	3230	3550	320	929	2190	e640	298	256
23	261	249	349	488	4880	1990	396	1060	1920	e460	298	255
24	259	249	351	694	3060	1000	460	1010	2240	e367	291	258
25	299	273	354	666	3900	765	454	948	2680	e280	287	264
26	e350	281	356	543	8110	661	1980	713	3820	e250	284	266
27	e470	281	352	544	6870	598	10600	460	2960	e320	282	267
28	405	275	351	2310	5580	551	24100	351	2840	e430	280	266
29	319	271	470	2890	---	513	12200	402	2210	e300	279	261
30	297	329	575	2190	---	603	4750	558	1870	e320	278	258
31	e280	---	641	1690	---	1020	---	1250	---	406	283	---
TOTAL	8158	8042	12224	24410	70821	45528	81102	20041	50979	19523	10730	8124
MEAN	263	268	394	787	2529	1469	2703	646	1699	630	346	271
MAX	470	350	790	2890	8110	6740	24100	2000	6170	1600	891	301
MIN	223	244	295	396	611	513	320	237	242	250	278	255
CFSM	.53	.54	.80	1.60	5.14	2.99	5.49	1.31	3.45	1.28	.70	.55
IN.	.62	.61	.92	1.85	5.35	3.44	6.13	1.52	3.85	1.48	.81	.61

e Estimated

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS--Continued

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1944 - 1997	
ANNUAL TOTAL	197592		359682			
ANNUAL MEAN	540		985		818	
HIGHEST ANNUAL MEAN					1301	
LOWEST ANNUAL MEAN					394	
HIGHEST DAILY MEAN	5180	Jan 27	24100	Apr 28	56900	Apr 7 1983
LOWEST DAILY MEAN	223	Sep 26	223	Oct 4	177	Oct 31 1963
ANNUAL SEVEN-DAY MINIMUM	232	Oct 3	232	Oct 3	179	Oct 25 1963
INSTANTANEOUS PEAK FLOW			29200	Apr 28	64200	Apr 7 1983
INSTANTANEOUS PEAK STAGE			28.91	Apr 28	34.62	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.10		2.00		1.66	
ANNUAL RUNOFF (INCHES)	14.94		27.20		22.59	
10 PERCENT EXCEEDS	867		2200		1600	
50 PERCENT EXCEEDS	351		420		403	
90 PERCENT EXCEEDS	248		250		249	

PEARL RIVER BASIN

02491500 BOGUE CHITTO AT FRANKLINTON, LA

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

DRAINAGE AREA.--990 mi².

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 36,200 ft³/s, Apr. 29, gage height, 18.07 ft; minimum gage height, 0.51 ft, Oct. 19,20.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.75	.85	2.24	1.82	3.03	6.98	2.83	6.37	3.83	1.91	1.09	.74
2	.70	.85	1.58	1.50	2.25	5.03	2.29	3.75	4.28	1.67	1.20	.71
3	.66	.79	1.47	1.30	1.92	4.20	1.69	2.90	3.29	1.52	1.01	.70
4	.63	.73	1.16	1.19	3.26	3.72	1.50	2.44	2.08	1.42	.94	.69
5	.61	.72	1.00	1.11	4.15	3.13	2.09	2.12	1.66	1.34	.92	.67
6	.67	.71	.94	1.05	2.95	2.65	---	1.94	1.50	1.28	.88	.66
7	.71	.80	.88	1.49	2.34	2.33	---	1.79	2.95	1.37	.86	.65
8	.65	1.56	.83	2.10	2.17	2.12	6.14	1.65	2.97	2.08	.91	.64
9	.62	1.27	.78	2.31	2.40	1.98	4.06	1.54	3.74	1.93	1.18	.67
10	.60	1.03	.75	2.48	2.62	1.88	2.39	1.43	2.79	1.58	1.05	.78
11	.57	.89	.73	2.11	2.03	1.78	3.27	1.34	2.25	1.36	1.22	.73
12	.56	.79	.74	1.58	1.81	1.68	8.14	1.28	3.18	1.45	1.66	.68
13	.55	.74	.92	1.38	6.45	3.19	6.35	1.23	2.16	1.38	1.16	.66
14	.55	.72	.83	1.26	9.16	5.60	4.64	1.19	1.76	3.25	1.00	.63
15	.54	.70	.75	1.25	8.35	4.70	3.19	1.17	1.47	1.64	.94	.62
16	.54	.68	.79	2.39	6.98	4.25	2.45	1.16	1.33	1.31	.88	.61
17	.54	.67	1.12	1.95	4.01	3.86	2.10	1.10	3.02	1.47	.84	.60
18	.54	.68	1.21	1.92	2.80	2.60	1.87	1.06	7.80	1.31	1.12	.60
19	.52	.70	1.54	1.57	2.36	2.20	1.70	1.11	8.17	1.19	.88	.59
20	.52	.68	1.16	1.35	2.10	4.04	1.58	1.31	5.78	1.11	.83	.58
21	.53	.68	.97	1.26	3.28	8.19	1.50	1.22	4.11	1.08	.81	.58
22	.54	.66	.89	1.38	4.91	8.90	1.45	2.21	2.87	1.08	.79	.57
23	.59	.68	.86	1.92	5.59	5.62	1.51	2.53	2.16	1.35	.78	.56
24	.57	.68	.86	1.85	5.96	3.55	1.54	2.71	2.09	1.42	.77	.57
25	1.74	.93	.86	2.25	8.87	2.64	1.54	3.10	2.75	1.15	.74	.66
26	5.94	.92	.84	2.09	12.69	2.33	2.93	2.77	4.64	1.06	.73	.66
27	5.53	.80	.89	1.84	10.67	2.12	7.18	2.04	6.01	1.01	.72	.62
28	2.53	.73	.89	3.63	8.92	1.94	14.46	1.85	4.18	.96	.71	.62
29	1.61	.68	1.34	6.55	---	1.81	17.45	1.68	3.21	.94	.71	.61
30	1.16	.95	2.64	5.26	---	2.01	13.00	1.81	2.29	.92	.70	.59
31	.95	---	2.21	4.48	---	3.41	---	2.30	---	.91	.71	---
MAX	5.94	1.56	2.64	6.55	12.69	8.90	---	6.37	8.17	3.25	1.66	.78
MIN	.52	.66	.73	1.05	1.81	1.68	---	1.06	1.33	.91	.70	.56

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 discharge. 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)
Oct. 28	0500	13,700	11.54	Mar. 23	1200	13,400	11.48
Feb. 15	2330	12,900	11.39	Apr. 13	2400	11,500	11.13
Feb. 27	1330	24,200	13.16	Apr. 30	1406	*38,900	*15.07

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	782	1280	1690	2190	4690	15300	3230	27000	3330	2660	1110	854
2	794	1160	2710	1760	3230	11300	2880	13500	4210	2070	1200	866
3	770	1110	2010	1490	2390	7470	2330	6410	4430	1760	1170	849
4	742	1040	1540	1320	2440	4900	1920	3900	3530	1570	1110	840
5	722	996	1260	1220	4420	3990	1900	3180	2500	1450	1110	828
6	755	972	1130	1140	5330	3410	2820	2780	2060	1460	1070	819
7	828	959	1070	1180	3620	2880	4490	2520	2010	1460	1010	813
8	815	1130	1010	1790	2730	2520	6330	2330	3170	1580	971	805
9	766	1470	955	2370	2460	2290	7050	2180	3480	2030	1110	805
10	731	1260	924	2540	2550	2140	4760	2040	3820	1950	1230	828
11	714	1110	906	2300	2540	2050	2870	1910	3150	1680	1160	873
12	702	1010	905	1890	2190	1930	3870	1810	2690	1420	1340	840
13	697	950	919	1540	2770	2120	9180	1740	3090	1420	1430	818
14	693	918	1020	1380	5700	4020	10300	1680	2460	1750	1150	809
15	691	896	956	1290	11200	6830	6090	1640	2000	2690	1050	796
16	687	879	917	1540	12200	6080	3420	1650	1760	1830	994	786
17	691	866	984	2130	10300	4430	2490	1620	1740	1450	956	783
18	689	861	1150	1810	5750	3840	2070	1560	3420	1460	972	780
19	683	876	1230	1650	3410	2960	1830	1520	7860	1320	1060	777
20	675	880	1310	1420	2810	2710	1680	1910	10600	1230	946	777
21	672	869	1110	1290	2720	4380	1580	2060	9050	1180	931	775
22	673	853	1010	1240	3700	9130	1500	2420	4920	1150	906	767
23	680	834	960	1570	4780	12800	1450	2870	3170	1180	887	766
24	690	823	938	2050	5640	8980	1480	2910	2440	1700	878	765
25	791	857	922	2250	8870	4470	1480	3870	2470	1660	866	790
26	2470	984	915	2130	15400	3000	1720	5650	3290	1280	856	831
27	7510	960	952	1870	23200	2520	3130	4890	5420	1150	850	825
28	12100	894	986	1920	19800	2270	6560	3150	8340	1090	844	806
29	4760	871	1160	3480	---	2090	18900	2370	6100	1080	840	804
30	2150	870	2000	5990	---	1970	36200	2440	3710	1070	834	792
31	1500	---	2580	6200	---	2410	---	2520	---	1050	834	---
TOTAL	48623	29438	38129	63940	176840	147190	155510	118030	120220	47830	31675	24267
MEAN	1568	981	1230	2063	6316	4748	5184	3807	4007	1543	1022	809
MAX	12100	1470	2710	6200	23200	15300	36200	27000	10600	2690	1430	873
MIN	672	823	905	1140	2190	1930	1450	1520	1740	1050	834	765
CFSM	1.29	.81	1.01	1.70	5.21	3.91	4.27	3.14	3.30	1.27	.84	.67
IN.	1.49	.90	1.17	1.96	5.42	4.51	4.77	3.62	3.69	1.47	.97	.74

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1997, BY WATER YEAR (WY)

MEAN	932	1240	2180	2878	3494	3288	3352	2184	1436	1260	1131	1017
MAX	2772	4298	7751	9596	10240	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 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1938 - 1997

ANNUAL TOTAL	541453		1001692									
ANNUAL MEAN	1479		2744							2025		
HIGHEST ANNUAL MEAN										3697		1983
LOWEST ANNUAL MEAN										919		1963
HIGHEST DAILY MEAN	12500	Jan 29	6200	Apr 30	126000	Apr	8	1983				
LOWEST DAILY MEAN	672	Oct 21	672	Oct 21								
ANNUAL SEVEN-DAY MINIMUM	680	Oct 18	680	Oct 18						382	Oct	25 1968
INSTANTANEOUS PEAK FLOW			38900	Apr 30	132000	Apr	8	1983				
INSTANTANEOUS PEAK STAGE			15.07	Apr 30	21.22	Apr	8	1983				
INSTANTANEOUS LOW FLOW			667	Oct 22	*366	Oct	22	1968				
INSTANTANEOUS LOW STAGE			3.10	Oct 22	**0.7	Oct	1	1937				
ANNUAL RUNOFF (CFSM)	1.22		2.26		1.67							
ANNUAL RUNOFF (INCHES)	16.61		30.72		22.68							
10 PERCENT EXCEEDS	2660		5720		3900							
50 PERCENT EXCEEDS	1060		1580		1160							
90 PERCENT EXCEEDS	741		805		648							

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

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

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.41	4.58	5.34	6.31	8.93	11.80	7.65	13.53	7.76	7.16	4.42	3.70
2	3.44	4.32	7.17	5.55	7.36	11.09	7.13	11.46	8.81	6.23	4.62	3.73
3	3.38	4.20	5.98	5.01	6.11	10.19	6.28	9.83	8.99	5.68	4.54	3.68
4	3.30	4.05	5.11	4.66	6.16	9.31	5.56	8.50	8.03	5.34	4.41	3.66
5	3.25	3.94	4.53	4.45	8.65	8.65	5.52	7.57	6.54	5.11	4.41	3.63
6	3.34	3.88	4.25	4.28	9.32	7.89	7.02	6.98	5.81	5.12	4.31	3.60
7	3.53	3.85	4.10	4.35	7.89	7.14	9.00	6.59	5.70	5.14	4.16	3.58
8	3.49	4.24	3.97	5.58	6.65	6.60	9.87	6.27	7.54	5.34	4.08	3.56
9	3.37	4.97	3.84	6.62	6.23	6.21	10.10	6.01	7.97	6.15	4.40	3.55
10	3.27	4.54	3.77	6.90	6.37	5.94	9.07	5.77	8.42	6.02	4.65	3.61
11	3.23	4.21	3.72	6.51	6.36	5.79	7.12	5.54	7.51	5.55	4.50	3.72
12	3.19	3.98	3.72	5.77	5.76	5.58	8.33	5.35	6.84	5.06	4.86	3.63
13	3.18	3.83	3.76	5.11	6.67	5.90	10.60	5.22	7.43	5.04	5.05	3.57
14	3.17	3.75	3.99	4.80	9.41	8.53	10.86	5.11	6.48	5.65	4.47	3.54
15	3.16	3.70	3.84	4.60	11.04	10.02	9.80	5.02	5.70	7.20	4.23	3.51
16	3.15	3.66	3.75	5.10	11.26	9.78	8.17	5.05	5.25	5.80	4.11	3.48
17	3.17	3.62	3.91	6.22	10.86	9.07	6.82	4.99	5.21	5.11	4.01	3.46
18	3.16	3.61	4.29	5.63	9.44	8.45	6.11	4.86	7.74	5.12	4.04	3.45
19	3.14	3.65	4.46	5.33	7.61	7.26	5.68	4.79	10.27	4.85	4.26	3.45
20	3.12	3.66	4.64	4.87	6.77	6.89	5.40	5.53	10.95	4.67	3.98	3.43
21	3.11	3.63	4.20	4.60	6.64	8.81	5.20	5.80	10.58	4.57	3.93	3.43
22	3.12	3.59	3.97	4.49	7.99	10.59	5.04	6.41	9.38	4.51	3.87	3.41
23	3.14	3.54	3.86	5.16	9.01	11.38	4.94	7.12	7.83	4.57	3.82	3.40
24	3.16	3.51	3.80	6.08	9.49	10.56	5.00	7.17	6.74	5.57	3.79	3.39
25	3.42	3.60	3.76	6.42	10.53	8.90	5.00	8.40	6.78	5.51	3.76	3.45
26	6.66	3.91	3.75	6.21	11.80	7.31	5.46	9.58	7.99	4.76	3.73	3.55
27	10.11	3.85	3.84	5.74	13.02	6.60	7.75	9.20	9.59	4.50	3.71	3.54
28	11.22	3.69	3.92	5.83	12.53	6.18	9.92	7.51	10.42	4.38	3.70	3.48
29	9.00	3.64	4.32	8.23	---	5.86	12.32	6.34	9.82	4.36	3.68	3.48
30	6.23	3.63	5.94	9.80	---	5.66	14.74	6.45	8.56	4.33	3.66	3.44
31	5.04	---	6.96	9.76	---	6.39	---	6.58	---	4.28	3.66	---
MAX	11.22	4.97	7.17	9.80	13.02	11.80	14.74	13.53	10.95	7.20	5.05	3.73
MIN	3.11	3.51	3.72	4.28	5.76	5.58	4.94	4.79	5.21	4.28	3.66	3.39

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.--WRD LA-1981-2: 1980(M): Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 0.05 ft. below sea level. Non-recording gage. Prior to September 1970, supplemental gage located on East Pearl River at different datum for the determination of daily mean discharge for the entire flood plain.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77,700 ft³/s, Feb. 28, gage height 17.02 ft; minimum gage height, 3.80 ft, Oct. 23.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.65	7.40	6.61	9.87	13.16	16.92	11.23	16.41	11.26	11.96	6.71	5.85
2	4.70	6.40	7.73	9.82	13.26	16.68	11.26	16.93	11.98	10.83	6.89	5.81
3	4.85	5.85	8.76	9.89	13.18	16.43	10.60	16.95	12.87	10.46	7.10	5.59
4	4.98	5.54	8.66	9.95	13.14	16.10	9.59	16.79	13.45	10.67	7.33	5.38
5	5.07	5.35	8.17	9.82	13.43	15.72	8.81	16.58	13.66	10.53	7.62	5.26
6	5.13	5.20	7.98	9.68	13.74	15.34	8.79	16.37	13.61	10.01	7.62	5.23
7	5.17	5.16	7.93	9.69	13.92	14.95	9.41	16.14	13.50	9.61	7.24	5.14
8	5.02	5.13	7.93	9.67	13.67	14.54	10.53	15.86	13.44	9.56	6.84	5.05
9	4.80	5.28	7.82	9.96	13.40	14.19	11.96	15.51	13.40	10.04	6.67	4.95
10	4.53	5.83	7.52	10.29	13.29	13.89	13.00	15.10	13.17	9.98	6.79	4.88
11	4.30	5.87	7.14	10.66	13.26	13.56	13.34	14.67	12.67	9.89	6.94	4.89
12	4.24	5.63	6.79	11.16	13.27	13.13	13.13	14.23	12.03	9.53	7.22	4.97
13	4.21	5.43	6.44	11.78	13.51	12.86	12.84	13.63	11.59	8.82	7.50	---
14	4.18	5.29	6.10	12.27	13.89	12.81	13.24	12.59	11.93	8.75	7.38	---
15	4.13	5.13	5.81	12.55	---	12.98	13.79	11.18	12.63	8.61	6.98	---
16	4.14	5.17	5.56	12.65	15.00	13.55	13.60	9.92	13.24	8.59	6.50	---
17	4.14	5.20	5.36	12.66	15.41	13.96	12.97	8.89	13.75	8.16	6.28	4.73
18	4.09	5.02	5.38	12.68	15.55	14.09	12.18	8.20	14.30	8.02	6.24	4.67
19	3.97	4.90	5.62	12.59	15.52	14.19	11.27	8.06	14.67	7.90	6.19	4.61
20	3.89	4.83	6.20	12.47	15.43	14.19	10.32	8.05	15.03	7.59	6.37	4.58
21	3.89	4.80	7.39	12.31	15.57	13.96	9.49	8.28	15.36	7.25	6.37	4.51
22	3.94	4.70	8.25	12.14	15.55	13.61	8.83	8.86	15.41	7.14	6.13	4.45
23	3.86	5.21	8.44	11.97	15.48	13.99	8.33	9.40	14.85	7.72	5.89	4.44
24	3.85	6.23	8.13	11.93	15.50	14.63	7.97	10.26	13.52	8.23	5.70	4.45
25	4.01	6.55	7.66	11.95	15.78	14.47	7.79	11.05	12.07	8.41	5.84	4.44
26	4.63	6.36	7.25	11.72	16.23	13.57	8.10	12.10	11.13	8.25	6.48	4.45
27	7.30	6.12	7.05	11.47	16.62	12.54	9.08	13.06	11.32	7.75	6.87	4.55
28	10.14	5.90	7.01	11.27	16.94	11.64	10.93	13.27	12.20	7.38	6.81	4.62
29	12.07	5.92	7.79	11.41	---	10.99	12.77	12.63	13.19	7.44	6.60	4.56
30	11.65	6.14	8.86	12.03	---	10.56	14.87	11.68	13.07	7.36	6.34	4.78
31	9.41	---	9.57	12.74	---	10.67	---	11.18	---	6.97	6.04	---
MEAN	5.32	5.58	7.32	11.32	---	13.89	11.00	12.70	13.14	8.82	6.69	---
MAX	12.07	7.40	9.57	12.74	---	16.92	14.87	16.95	15.41	11.96	7.62	---
MIN	3.85	4.70	5.36	9.67	---	10.56	7.79	8.05	11.13	6.97	5.70	---

LOWER MISSISSIPPI RIVER BASIN

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS

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

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

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1996					
10...	1130	414000	200	223000	91
NOV					
21...	1100	610000	287	473000	80
DEC					
05...	1115	811000	393	860000	79
19...	1200	933000	228	573000	74
30...	1200	829000	217	486000	67
JAN 1997					
15...	1100	596000	199	320000	76
29...	1200	625000	415	700000	88
FEB					
12...	1100	912000	297	730000	67
27...	1100	838000	298	675000	79
MAR					
12...	1500	1180000	291	927000	71
20...	1500	1470000	223	884000	63
28...	1030	1450000	145	569000	73
APR					
10...	1130	1220000	123	406000	61
MAY					
01...	1200	969000	310	812000	80
08...	1100	846000	241	549000	83
22...	1130	739000	233	464000	86
JUN					
05...	1230	630000	309	525000	89
19...	1030	773000	194	406000	82
JUL					
17...	1130	449000	242	294000	94

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.

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.--Records good, except for estimated daily discharges which are fair. 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, 93,500 ft³/s Nov. 27, gage height, 18.11 ft..

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e36300	29300	66600	12600	5210	59700	12500	28200	24700	13300	6730	5250
2	e31700	26000	70900	12400	5110	59900	8490	25900	23900	9240	7820	5130
3	e27800	26900	65200	12300	4140	64900	6210	30700	19100	6820	8550	5080
4	23400	29800	56500	12300	4440	66400	6930	36100	11700	10300	8030	4670
5	18600	27800	54200	12100	5250	66100	17100	36500	8020	12300	7700	4230
6	15700	24400	55800	11800	4970	61300	41900	35700	12100	12100	7290	4370
7	14500	24700	53400	11400	4980	53900	54500	35200	19600	10100	5660	4760
8	13200	41400	49300	9600	9650	49300	45400	34800	21700	8790	5290	4820
9	11200	64000	46100	10900	16500	43100	32900	34800	21800	8340	6150	4840
10	9810	62200	43600	12200	21400	37900	25800	35000	21600	8110	6730	4810
11	9340	47600	42700	10400	22100	34300	25300	35200	21900	7530	6650	4010
12	8120	40000	41500	7950	20900	32400	26900	34100	23100	5690	5580	2920
13	6980	37200	39700	7050	22600	39100	26500	32000	27300	4420	4830	2800
14	6560	37400	36100	6480	27500	51000	27900	32600	28400	5200	3930	3780
15	6150	36400	33200	5760	34900	49400	30400	32600	26100	6390	3180	4200
16	5990	35200	35800	4840	35100	43500	27500	32300	26800	6510	4220	4310
17	6260	35200	38400	4390	27500	37400	26500	32100	26300	5690	5910	4230
18	6400	40000	37400	4980	19700	32000	26100	31300	23900	5770	6280	3630
19	5520	43100	34100	5200	15800	30200	26200	27900	22200	6900	6200	2730
20	4910	44500	28900	4880	14000	28700	26100	24200	21600	7880	6160	2360
21	5090	40400	24200	5110	30900	25800	25300	24200	22200	8190	6060	2480
22	7740	36000	19500	5030	65500	22900	25600	24700	22000	8340	6180	2640
23	18900	32400	16600	4380	69700	19800	26600	22100	20800	8450	6430	2770
24	30300	29100	15000	4310	54000	17600	28000	22300	17300	8700	7320	2890
25	32200	45700	14300	6090	41100	16900	28900	24900	10200	8760	8560	2980
26	29200	78300	14100	7270	39900	16900	30700	25400	6550	8760	8960	2560
27	26300	91700	13800	6980	50600	16700	37000	25700	8060	8780	8600	2230
28	24900	77500	13600	6110	58800	18100	45200	26000	12900	8760	7230	2250
29	23200	61300	13300	5090	---	19700	45300	25600	13900	8720	6280	2500
30	27100	60100	12900	4920	---	16400	36400	25100	13200	8380	5770	2940
31	32100	---	12700	4880	---	14500	---	26300	---	7140	5510	---
TOTAL	525470	1305600	1099400	239700	732250	1145800	850130	919500	578930	254360	199790	109170
MEAN	16950	43520	35460	7732	26150	36960	28340	29660	19300	8205	6445	3639
MAX	36300	91700	70900	12600	69700	66400	54500	36500	28400	13300	8960	5250
MIN	4910	24400	12700	4310	4140	14500	6210	22100	6550	4420	3180	2230
AC-FT	1042000	2590000	2181000	475400	1452000	2273000	1686000	1824000	1148000	504500	396300	216500

e Estimated

RED RIVER BASIN

07344370 RED RIVER AT SPRING BANK, AR

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

PERIOD OF RECORD.--October 1995 to 1997 stage only.

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

REMARKS.-- Jun. 18-30 1997, missing observer record. Stage-discharge rating is currently under development. Datum of gage not determined. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 32.71 ft, Mar. 5, 1997; minimum daily gage height, 12.73 ft, Sep. 25, 1997.

EXTREMES FOR CURRENT YEAR.--Water Year 1996: Maximum daily gage height, 25.60 ft, Sep. 30; minimum daily, 13.25 ft, Dec. 11.

Water Year 1997: Maximum daily gage height, 32.71 ft, Mar. 5; minimum daily, 12.73 ft, Sep. 25.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.62	15.00	14.00	14.93	18.20	15.35	17.08	22.30	19.07	16.17	18.46	21.95
2	19.54	15.95	14.60	14.89	17.82	15.20	20.01	21.90	18.60	16.15	19.25	22.10
3	20.02	15.82	13.90	15.31	16.64	14.78	20.68	21.12	18.31	15.78	19.71	21.90
4	19.83	14.61	13.75	15.92	16.68	14.86	20.37	20.03	18.12	15.62	20.50	21.92
5	19.62	14.11	14.82	16.73	16.82	15.63	19.91	18.82	17.67	15.62	20.80	21.61
6	19.62	14.18	15.00	17.40	16.99	15.50	19.39	17.65	17.68	15.50	20.80	21.31
7	19.73	14.89	14.91	17.81	17.56	15.05	18.73	17.29	18.08	15.43	20.39	21.41
8	19.42	14.48	14.46	18.40	19.09	14.71	18.18	17.18	18.72	15.48	19.71	21.28
9	18.64	14.43	13.71	18.57	18.82	14.62	17.50	17.21	17.75	15.61	19.36	21.10
10	18.50	14.16	13.33	18.29	18.13	14.21	17.02	17.56	17.66	15.51	19.22	20.98
11	18.27	14.02	13.25	17.95	17.70	14.02	16.57	17.75	18.00	15.60	18.95	20.72
12	18.19	14.10	13.70	17.39	17.16	14.42	16.47	17.65	17.75	15.72	18.83	20.01
13	18.70	14.22	14.32	16.25	16.38	14.54	16.21	18.30	17.85	15.75	19.06	19.35
14	18.10	14.05	14.27	15.60	15.96	14.89	16.02	19.09	18.57	16.38	20.01	19.00
15	18.60	14.10	14.24	15.35	15.75	15.12	16.05	20.32	18.49	17.31	21.33	18.82
16	17.30	14.18	14.43	15.51	15.64	15.32	16.55	21.08	18.10	19.44	21.66	18.76
17	16.64	14.18	14.20	15.37	15.38	15.42	20.32	21.06	18.59	22.26	21.39	18.74
18	16.41	14.22	14.45	15.10	15.65	15.09	21.83	20.95	18.71	22.91	20.78	18.86
19	16.12	14.08	15.54	15.09	16.50	14.61	21.80	20.79	18.48	22.77	20.33	19.18
20	15.75	13.82	14.91	15.20	16.60	14.80	21.80	20.50	18.05	22.60	19.62	19.69
21	15.53	14.10	15.11	15.50	16.32	15.97	20.71	19.56	17.52	22.75	18.85	20.29
22	15.49	14.33	15.41	16.53	15.74	15.21	20.20	18.80	16.95	22.73	18.45	20.29
23	15.43	14.37	16.44	17.52	15.40	15.07	19.65	17.39	16.38	21.94	18.14	22.04
24	15.36	14.35	16.55	17.94	15.00	14.46	18.61	17.01	15.81	20.49	17.67	23.72
25	15.38	14.19	16.11	18.75	14.62	14.65	18.40	17.02	15.70	19.52	17.37	23.91
26	15.37	14.25	15.65	17.72	14.53	15.08	18.72	17.11	15.72	19.10	17.35	23.86
27	15.38	14.71	15.43	17.81	14.51	15.23	21.45	18.30	15.95	18.46	17.57	24.16
28	15.26	14.20	15.29	18.42	14.70	15.21	22.39	18.76	16.11	17.47	18.01	24.73
29	15.17	14.20	14.78	20.10	14.90	15.20	22.40	18.94	16.30	17.00	18.23	24.92
30	14.50	14.05	14.98	19.00	---	14.92	22.31	19.63	16.22	16.71	18.41	25.60
31	14.80	---	14.90	18.81	---	15.25	---	19.90	---	17.22	19.69	---
MAX	20.02	15.95	16.55	20.10	19.09	15.97	22.40	22.30	19.07	22.91	21.66	25.60
MIN	14.50	13.82	13.25	14.89	14.51	14.02	16.02	17.01	15.70	15.43	17.35	18.74

RED RIVER BASIN

07344370 RED RIVER AT SPRING BANK, AR--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.33	25.49	31.11	22.70	19.14	31.40	24.54	29.35	23.45	19.91	16.37	15.44
2	25.66	25.64	31.68	22.56	19.05	31.60	23.35	28.29	23.32	19.52	16.02	15.30
3	24.98	25.28	31.87	22.47	19.02	32.08	22.63	27.70	22.88	18.58	16.09	15.15
4	24.28	25.24	31.58	22.37	18.77	32.60	21.63	27.86	22.15	17.47	16.48	15.02
5	23.28	25.57	31.19	22.36	18.27	32.71	21.95	28.11	21.04	17.84	16.58	14.86
6	22.05	25.44	30.93	22.35	18.63	32.58	23.35	27.55	20.97	17.60	16.38	14.63
7	21.11	25.09	30.82	22.14	18.98	32.29	27.09	26.42	20.98	17.82	16.21	14.38
8	20.55	25.34	30.50	22.05	19.32	31.50	28.33	26.11	21.17	17.69	15.94	14.43
9	20.09	27.91	30.10	22.21	20.48	31.06	28.58	25.91	21.99	17.11	15.46	14.55
10	19.59	29.65	29.84	22.20	21.94	30.19	27.55	25.79	22.47	16.89	15.46	14.56
11	19.29	29.35	29.66	22.28	23.33	29.54	26.69	25.77	22.39	16.80	15.68	14.54
12	19.16	28.15	29.54	21.92	23.84	28.85	26.50	25.76	22.20	16.64	15.79	14.40
13	18.94	27.59	29.15	21.46	24.50	28.94	26.50	25.51	22.18	16.16	15.57	13.85
14	18.54	27.45	29.06	21.39	25.08	29.80	26.51	24.95	22.61	15.51	15.14	13.78
15	18.26	27.43	29.61	21.16	26.05	31.41	26.51	24.85	22.90	15.27	14.85	13.78
16	18.08	27.35	29.42	20.99	27.00	31.29	26.59	24.80	22.72	15.80	14.34	13.78
17	17.95	27.31	29.72	20.65	26.87	30.40	25.49	24.76	23.21	16.11	14.09	13.85
18	17.94	27.59	30.02	20.17	25.75	29.35	24.71	24.65	---	16.17	14.75	13.88
19	18.01	28.36	28.90	19.91	24.92	28.80	24.31	24.48	---	15.91	15.27	13.68
20	17.89	28.91	28.46	19.82	24.49	28.55	24.05	23.81	---	16.04	15.51	13.48
21	17.63	28.99	27.62	19.51	24.89	28.18	24.01	23.15	---	16.44	15.57	13.48
22	18.84	28.54	26.67	19.50	27.29	27.17	23.91	22.84	---	16.69	15.54	13.48
23	20.75	28.01	26.08	19.50	30.47	27.22	23.99	22.86	---	16.74	15.57	13.30
24	24.23	27.64	25.74	20.11	30.82	26.51	24.10	22.55	---	16.71	15.64	12.82
25	26.08	27.70	25.47	20.02	29.88	26.44	24.15	22.41	---	16.52	15.80	12.73
26	26.24	29.99	25.29	19.72	29.13	26.20	24.51	22.79	---	16.52	16.22	13.41
27	25.81	31.82	24.45	19.63	29.48	26.04	25.40	23.08	---	16.51	16.59	13.73
28	25.40	32.41	23.52	19.58	30.57	25.88	26.69	23.20	---	16.51	16.69	13.42
29	24.65	31.96	23.15	19.61	---	25.83	29.50	23.46	---	16.52	16.45	13.81
30	24.04	31.18	22.96	19.45	---	25.70	30.14	23.41	---	16.64	15.99	13.90
31	24.43	---	22.79	19.22	---	25.31	---	23.37	---	16.64	15.64	---
MAX	26.33	32.41	31.87	22.70	30.82	32.71	30.14	29.35	---	19.91	16.69	15.44
MIN	17.63	25.09	22.79	19.22	18.27	25.31	21.63	22.41	---	15.27	14.09	12.73

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 1996 TO SEPTEMBER 1997

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 1996											
30...	0945	270	7.32	19.0	50	73	7.9	16	1.7	--	K180
DEC											
03...	1020	264	7.59	11.0	100	170	10.0	18	2.4	--	--
30...	0945	693	7.44	14.0	40	60	12.2	16	4.0	2300	K200
JAN 1997											
29...	1000	559	7.75	7.0	--	--	11.6	19	2.6	600	230
FEB											
26...	0945	--	7.84	13.0	100	180	9.2	18	1.4	3100	560
MAR											
24...	0945	383	7.69	15.0	50	65	9.3	24	1.1	K500	K30
APR											
22...	0855	748	7.96	20.0	--	80	9.2	19	--	460	K60
MAY											
28...	1100	1140	7.90	21.0	20	94	8.2	12	6.4	<10	--
JUN											
25...	0930	715	7.89	25.0	15	61	7.6	17	2.1	260	<4
JUL											
22...	0820	1050	8.05	31.0	15	5.5	7.5	21	2.4	<1	--
AUG											
26...	0930	1360	8.06	24.0	15	19	6.7	13	1.4	<4	<2
SEP											
17...	1330	1330	8.28	29.0	10	1.6	--	29	--	<2	K1

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 1996 TO SEPTEMBER 1997

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT 1996										
30...	K15	76	23	4.6	16	2.9	54	26	26	0.1
DEC										
03...	540	78	24	4.4	18	2.9	60	28	25	0.1
30...	K93	170	46	13	63	3.6	76	100	97	0.2
JAN 1997										
29...	340	160	43	12	46	3.3	99	68	66	0.1
FEB										
26...	200	69	21	3.9	--	2.2	63	19	14	0.1
MAR										
24...	K40	110	31	7.4	29	2.2	60	53	45	0.1
APR										
22...	K150	200	56	15	69	3.8	99	120	110	0.2
MAY										
28...	84	290	78	23	110	4.2	116	190	170	0.2
JUN										
25...	80	180	48	14	68	3.6	76	110	98	0.2
JUL										
22...	K16	280	73	23	100	4.3	140	160	150	0.2
AUG										
26...	K32	340	90	29	130	4.8	151	230	200	0.3
SEP										
17...	K20	380	99	32	120	4.8	185	220	180	0.3
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 1996										
30...	172	131	160	0.03	0.15	0.04	0.93	0.15	0.12	11
DEC										
03...	162	138	420	0.02	0.17	0.05	0.99	0.32	0.08	13
30...	414	368	100	0.02	0.24	0.05	0.56	0.08	0.10	8.1
JAN 1997										
29...	338	298	120	0.01	0.28	0.09	0.68	0.13	0.05	8.6
FEB										
26...	124	110	320	0.04	0.21	0.06	1.1	0.25	0.11	12
MAR										
24...	220	204	50	0.01	0.23	0.03	0.57	0.10	0.05	7.9
APR										
22...	470	433	91	0.02	0.28	0.02	0.63	0.08	0.04	6.9
MAY										
28...	698	645	120	0.01	0.33	0.02	--	0.13	0.06	7.1
JUN										
25...	428	387	28	<0.01	0.08	0.03	0.40	<0.02	0.02	8.1
JUL										
22...	636	594	18	<0.01	<0.02	0.01	0.70	0.07	0.02	7.4
AUG										
26...	844	775	42	<0.01	<0.02	0.01	0.76	0.05	0.05	6.1
SEP										
17...	838	767	12	<0.01	<0.02	0.02	1.1	0.08	0.01	5.9

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 1996 TO SEPTEMBER 1997

		ARSENIC TOTAL (μG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (μG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (μG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (μG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (μG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (μG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (μG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (μG/L AS MN) (01055)			
DATE												
OCT 1996												
30...	3	<0.5	<1	5	6	4300	5	220				
JAN 1997												
29...	<1	<0.5	<1	2	1	2500	2	84				
APR												
22...	2	<0.5	<1	3	4	2300	2	100				
JUL												
22...	2	<0.5	<1	<1	2	310	<1	96				
		MERCURY TOTAL RECOV- ERABLE (μG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (μG/L AS NI) (01067)	SELE- NIUM, TOTAL (μG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (μG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (μG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)				
DATE												
OCT 1996												
30...	<0.1	7	<1	10	<0.01	--	12					
JAN 1997												
29...	<0.1	4	<1	10	<0.01	<1	5					
APR												
22...	<0.1	3	<1	10	<0.01	<1	<1					
JUL												
22...	<0.1	1	1	7	<0.01	<4	<1					
		CHLOR- PYRIFOS TOTAL RECOVER (μG/L) (38932)	DISUL- FOTON UNFILT RECOVER (μG/L) (39011)	PHORATE TOTAL (μG/L) (39023)	PER- THANE TOTAL (μG/L) (39034)	DEF TOTAL (μG/L) (39040)	PCNS UNFILT RECOVER (μG/L) (39250)	ALDRIN, TOTAL (μG/L) (39330)	LINDANE TOTAL (μG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (μG/L) (39350)	P,P'- DDD UNFILT RECOVER (μG/L) (39360)	P,P'- DDE, TOTAL (μG/L) (39365)
DATE												
OCT 1996												
30...	<0.01	--	--	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01
DEC												
30...	<0.01	--	--	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01
FEB 1997												
26...	<0.01	--	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01
MAY												
28...	<0.01	--	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01
JUN												
25...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01
AUG												
26...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01
		P,P'- DDT UNFILT RECOVER (μG/L) (39370)	DI- ELDRIN TOTAL (μG/L) (39380)	ENDO- SULFAN, I TOTAL (μG/L) (39388)	ENDRIN WATER UNFLTRD REC (μG/L) (39390)	ETHION, TOTAL (μG/L) (39398)	TOX- APHENE, TOTAL (μG/L) (39400)	HEPTA- CHLOR, TOTAL (μG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (μG/L) (39420)	METH- OXY- CHLOR, TOTAL (μG/L) (39480)	PCB, TOTAL (μG/L) (39516)	MALA- THION, TOTAL (μG/L) (39530)
DATE												
OCT 1996												
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<0.1	--
DEC												
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01
FEB 1997												
26...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01
MAY												
28...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01
JUN												
25...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01
AUG												
26...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<0.1	0.03

< 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 1996 TO SEPTEMBER 1997

DATE	PARA- THION, TOTAL (μG/L) (39540)	DI- AZINON, TOTAL (μG/L) (39570)	METHYL PARA- THION, TOTAL (μG/L) (39600)	2,4-D, TOTAL (μG/L) (39730)	2,4,5-T TOTAL (μG/L) (39740)	MIREX, TOTAL (μG/L) (39755)	SILVEX, TOTAL (μG/L) (39760)	TOTAL TRI- THION (μG/L) (39786)	2, 4-DP TOTAL (μG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (μG/L) (82614)
OCT 1996										
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01
DEC										
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 1997										
26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY										
28...	<0.01	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN										
25...	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG										
26...	<0.01	<0.01	<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

07344480 CROSS LAKE AT SHREVEPORT, LA

LOCATION.--Lat 32°30'47", long 93°47'48", in NE 1/4 SW 1/4 sec. 34, T. 18 N., R. 14 W., Caddo Parish, Hydrologic Unit 11140304.

DRAINAGE AREA.--33.1 mi²

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

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

REMARKS.--Capacity at spillway crest is 78,500 acre-ft. Reservoir is used for drinking water, flood control, and conservation. Rain gage and wind anemometer. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 173.94 ft, Apr. 6, 1997; minimum, 169.19 ft, Sept. 21 and 22, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 173.94 ft, Apr. 6; minimum, 169.19 ft, Sep. 21 and 22.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170.73	170.38	170.63	170.71	170.70	170.91	170.74	170.96	171.06	170.82	169.75	169.43
2	170.71	170.37	170.58	170.71	170.68	171.01	170.70	170.96	171.05	170.78	169.71	169.42
3	170.68	170.33	170.68	170.71	170.68	171.32	170.65	170.92	171.01	170.74	169.68	169.43
4	170.67	170.31	170.64	170.73	170.74	171.25	170.75	170.94	171.00	170.71	169.65	169.46
5	170.64	170.29	170.67	170.72	170.75	171.03	170.25	170.93	171.00	170.66	169.60	169.44
6	170.62	170.27	170.68	170.71	170.75	170.86	170.71	170.94	170.97	170.62	169.53	169.43
7	170.60	170.42	170.67	170.71	170.95	170.83	172.71	170.94	170.95	170.63	169.51	169.41
8	170.59	170.49	170.66	170.83	171.16	170.81	171.78	170.94	170.92	170.64	169.57	169.42
9	170.56	170.48	170.65	170.91	171.10	170.79	171.07	170.92	170.91	170.61	169.66	169.40
10	170.53	170.47	170.65	170.86	171.09	170.91	170.57	170.91	170.98	170.59	169.69	169.39
11	170.48	170.45	170.64	170.93	171.03	170.91	170.41	170.90	171.00	170.56	169.66	169.36
12	170.46	170.44	170.63	170.89	171.11	170.71	170.38	170.89	171.03	170.52	169.64	169.33
13	170.44	170.44	170.61	170.81	172.02	171.26	170.33	170.86	170.94	170.49	169.62	169.32
14	170.41	170.42	170.60	170.75	172.39	171.67	170.32	170.84	170.98	170.46	169.63	169.31
15	170.39	170.39	170.65	170.76	171.84	171.36	170.30	170.81	170.97	170.42	169.59	169.29
16	170.36	170.35	170.71	170.72	171.24	170.91	170.28	170.79	170.98	170.39	169.55	169.29
17	170.36	170.41	170.75	170.68	170.99	170.68	170.27	170.77	170.96	170.35	169.52	169.27
18	170.32	170.40	170.80	170.64	170.80	170.71	170.26	170.75	170.90	170.31	169.48	169.26
19	170.28	170.39	170.75	170.60	170.66	170.84	170.24	170.73	170.86	170.28	169.45	169.25
20	170.24	170.38	170.63	170.55	170.64	170.87	170.23	170.71	170.86	170.24	169.42	169.24
21	170.25	170.37	170.53	170.52	170.77	170.82	170.21	170.72	170.84	170.21	169.41	169.21
22	170.60	170.33	170.53	170.53	170.95	170.81	170.33	170.72	170.82	170.17	169.45	---
23	170.67	170.32	170.57	170.58	170.96	170.81	170.38	170.73	170.81	170.13	169.54	---
24	170.67	170.41	170.65	170.97	170.77	170.78	170.36	170.83	170.79	170.08	169.54	---
25	170.65	170.67	170.64	170.99	170.63	170.79	170.35	170.87	170.78	170.05	169.52	169.32
26	170.59	170.52	170.69	170.91	170.74	170.82	170.63	170.78	170.77	170.02	169.51	169.29
27	170.49	170.38	170.73	170.79	170.74	170.82	170.89	170.75	170.75	169.98	169.50	169.28
28	170.41	170.32	170.76	170.65	170.86	170.87	171.06	170.74	170.99	169.93	169.48	169.28
29	170.40	170.35	170.76	170.66	---	170.84	171.10	170.85	171.09	169.89	169.47	169.26
30	170.38	170.58	170.70	170.71	---	170.84	171.08	170.96	170.94	169.85	169.46	169.26
31	170.35	---	170.71	170.71	---	170.79	---	171.04	---	169.80	169.45	---
MAX	170.73	170.67	170.80	170.99	172.39	171.67	172.71	171.04	171.09	170.82	169.75	---
MIN	170.24	170.27	170.53	170.52	170.63	170.68	170.21	170.71	170.75	169.80	169.41	---

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, June 16-27 and July 16 through Sep. 30. Records good above 200 ft³/s, fair below, except for estimated daily discharges 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)
Dec. 3	2330	3,110	13.87	Apr. 6	1400	*36,700	*21.97
Feb. 15	1700	4,920	14.67	May 1	0630	6,950	15.24
Mar. 5	0900	5,550	14.86				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	640	e550	2760	1220	1740	1870	395	6810	562	564	e2.0	e2.3
2	575	e450	2810	1120	1410	2030	344	5590	520	694	e3.4	e1.8
3	455	e350	3010	973	1140	3490	289	3830	417	697	e5.0	e3.4
4	317	e270	3040	793	940	4770	312	2630	362	474	e4.1	e2.4
5	186	e290	2740	611	876	5350	16400	1920	376	250	e3.3	e1.6
6	123	e350	2300	498	895	4170	34800	1500	394	143	e2.7	e1.3
7	89	e500	1930	503	1020	3300	27300	1150	345	109	e2.5	e2.2
8	58	e990	1610	707	1310	2670	13900	790	216	91	e6.1	e3.2
9	45	e1200	1330	1320	1520	2170	6520	486	137	67	e11	e2.6
10	40	e1300	1090	1870	1670	1790	3600	353	342	46	e9.2	e2.0
11	37	e1100	835	2330	1750	1450	2410	275	734	34	e8.3	e1.7
12	e30	e890	597	2660	1830	1210	1810	212	1360	27	e7.6	e1.4
13	e25	675	458	2520	2740	1200	1390	167	1700	22	e5.8	e1.2
14	e21	553	372	2190	3520	1350	1090	134	1490	18	e4.7	e1.0
15	e17	436	320	1890	4660	1620	788	110	1160	16	e3.7	e.90
16	e15	328	336	1660	4190	2010	526	96	e990	e11	e8.0	e.80
17	e14	250	492	1400	3300	2330	379	82	e755	e9.8	e6.3	e.70
18	e13	230	628	1190	2670	2280	300	70	e580	e7.8	e5.3	e.60
19	e12	245	796	1030	2120	2090	250	59	e445	e6.6	e4.6	e.50
20	e11	299	915	881	1740	1870	213	53	e375	e5.5	e3.2	e.40
21	e125	375	963	753	1910	1660	181	49	e325	e4.6	e2.4	e.30
22	e900	419	915	665	2090	1480	199	44	e270	e4.0	e1.9	e.30
23	e3600	425	796	621	2340	1300	227	41	e204	e7.3	e6.0	e.50
24	e6200	458	764	977	2740	1110	214	83	e160	e11	e4.7	e1.2
25	e5400	1070	711	1240	2740	905	271	220	e135	e8.9	e3.9	e1.0
26	e4100	1370	639	1680	2530	724	511	117	e110	e7.3	e2.9	e.90
27	e2800	1720	820	2160	2240	563	664	162	e100	e6.4	e2.2	e.80
28	e1700	1900	992	2530	2020	516	1630	257	185	e5.5	e4.0	e.60
29	e1100	2210	1110	2660	---	522	3430	304	398	e4.3	e3.1	e.50
30	e790	2630	1210	2440	---	504	5720	287	490	e3.4	e4.2	e.40
31	e630	---	1260	2070	---	451	---	487	---	e2.7	e3.1	---
TOTAL	30068	23833	38549	45162	59651	58755	126063	28368	15637	3358.1	145.2	38.50
MEAN	970	794	1244	1457	2130	1895	4202	915	521	108	4.68	1.28
MAX	6200	2630	3040	2660	4660	5350	34800	6810	1700	697	11	3.4
MIN	11	230	320	498	876	451	181	41	100	2.7	1.9	.30
AC-FT	59640	47270	76460	89580	118300	116500	250000	56270	31020	6660	288	76
CFSM	1.60	1.31	2.06	2.41	3.52	3.13	6.95	1.51	.86	.18	.01	.00
IN.	1.85	1.47	2.37	2.78	3.67	3.61	7.75	1.74	.96	.21	.01	.00

e Estimated

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1997, BY WATER YEAR (WY)

MEAN	126	281	768	927	1155	1152	1249	797	394	202	67.4	105
MAX	1569	1351	3223	3061	3188	3586	4646	3707	3263	2937	553	2533
(WY)	1985	1975	1974	1991	1975	1990	1991	1991	1974	1989	1996	1974
MIN	1.12	1.34	17.3	35.5	31.6	96.4	149	22.3	3.10	1.58	1.73	1.28
(WY)	1996	1996	1996	1981	1996	1996	1987	1988	1988	1964	1969	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1958 - 1997		
ANNUAL TOTAL	164225			429627					
ANNUAL MEAN	449			1187			599		
HIGHEST ANNUAL MEAN							1551		
LOWEST ANNUAL MEAN							129		
HIGHEST DAILY MEAN	6600	Jun	14	34800	Apr	6	35000	Apr	28
LOWEST DAILY MEAN	11	Jan	16	.30	Sep	21	.00	Oct	10-14
ANNUAL SEVEN-DAY MINIMUM	13	Jan	14	.47	Sep	17	.07	Oct	8
INSTANTANEOUS PEAK FLOW				36700	Apr	6	36700	Apr	6
INSTANTANEOUS PEAK STAGE				21.97	Apr	6	22.79	Apr	28
INSTANTANEOUS LOW FLOW				unknown			.00	Oct	10-14
INSTANTANEOUS LOW STAGE				4.41	July	29			
ANNUAL RUNOFF (AC-FT)	325700			852200			433900		
ANNUAL RUNOFF (CFSM)	.74			1.95			.99		
ANNUAL RUNOFF (INCHES)	10.10			26.42			13.45		
10 PERCENT EXCEEDS	1220			2660			1630		
50 PERCENT EXCEEDS	139			487			131		
90 PERCENT EXCEEDS	21			3.0			2.8		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.24	---	13.64	12.06	12.76	12.90	9.15	15.20	10.15	10.14	4.59	4.65
2	9.98	---	13.68	11.82	12.36	13.04	8.78	14.87	9.91	10.64	4.65	4.81
3	9.31	---	13.81	11.45	11.86	14.09	8.35	14.26	9.29	10.65	4.67	4.93
4	8.35	---	13.83	10.95	11.37	14.62	8.42	13.54	8.91	9.62	4.65	4.91
5	7.16	---	13.63	10.34	11.20	14.80	17.48	12.94	9.02	7.99	4.63	4.89
6	6.44	---	13.30	9.79	11.25	14.42	21.61	12.48	9.14	6.88	4.60	4.88
7	6.02	---	12.96	9.82	11.57	13.98	20.13	11.89	8.79	6.43	4.60	5.03
8	5.63	---	12.62	10.63	12.23	13.58	17.07	10.93	7.68	6.16	4.72	5.09
9	5.44	---	12.24	12.21	12.51	13.18	15.12	9.71	6.81	5.81	4.92	5.06
10	5.34	---	11.74	12.90	12.68	12.82	14.14	8.85	8.73	5.45	4.80	5.08
11	5.26	---	11.07	13.33	12.77	12.42	13.38	8.23	10.71	5.21	4.75	5.08
12	---	---	10.28	13.58	12.85	12.02	12.83	7.65	12.26	5.03	4.76	5.08
13	---	10.51	9.55	13.47	13.62	12.00	12.34	7.19	12.71	4.89	4.76	5.06
14	---	10.09	8.99	13.21	14.11	12.28	11.74	6.78	12.46	4.81	4.79	5.04
15	---	9.42	8.60	12.92	14.59	12.63	10.93	6.44	11.92	4.74	4.88	5.02
16	---	8.66	8.72	12.67	14.43	13.04	9.93	6.22	11.67	4.72	4.98	5.00
17	---	8.01	9.75	12.35	13.99	13.32	9.03	6.03	11.52	4.74	4.96	4.98
18	---	7.83	10.41	11.98	13.57	13.28	8.44	5.86	11.41	4.75	4.95	4.95
19	---	7.97	10.96	11.59	13.14	13.12	8.01	5.69	11.23	4.70	4.93	4.91
20	---	8.43	11.30	11.21	12.76	12.90	7.67	5.59	10.81	4.69	4.93	4.87
21	---	9.01	11.43	10.83	12.94	12.67	7.34	5.52	10.24	4.66	4.97	4.83
22	---	9.31	11.30	10.54	13.11	12.46	7.50	5.43	9.63	4.62	4.98	4.81
23	---	9.35	10.96	10.39	13.33	12.21	7.80	5.36	9.18	4.62	5.01	4.93
24	---	9.52	10.87	11.45	13.63	11.80	7.68	5.96	8.97	4.74	4.93	5.16
25	---	11.70	10.70	12.07	13.63	11.27	8.19	7.70	8.49	4.73	4.52	5.15
26	---	12.29	10.45	12.69	13.48	10.74	9.85	6.53	7.40	4.73	4.46	5.12
27	---	12.74	11.03	13.18	13.25	10.14	10.53	7.11	6.86	4.64	4.52	5.09
28	---	12.93	11.50	13.48	13.05	9.90	12.49	8.07	7.32	4.55	4.57	5.08
29	---	13.22	11.80	13.57	---	9.93	14.04	8.47	9.16	4.42	4.60	5.08
30	---	13.55	12.02	13.41	---	9.83	14.90	8.33	9.75	4.49	4.62	5.07
31	---	---	12.13	13.10	---	9.51	---	9.72	---	4.53	4.59	---
MAX	---	---	13.83	13.58	14.59	14.80	21.61	15.20	12.71	10.65	5.01	5.16
MIN	---	---	8.60	9.79	11.20	9.51	7.34	5.36	6.81	4.42	4.46	4.65

RED RIVER BASIN

07349000 BAYOU DORCHEAT NEAR MINDEN, LA

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

DRAINAGE AREA.--1,097 mi².

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

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

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

REMARKS.--Gage heights affected by Lake Bistineau.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38,250 ft³/s, April 8, gage height, 25.12 ft; minimum gage height 2.03 ft, Oct. 21.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.96	9.43	11.36	10.10	12.85	14.01	9.02	15.06	9.85	7.67	7.06	7.14
2	8.87	8.77	12.00	10.21	12.79	15.51	8.75	16.06	9.68	7.72	7.06	7.15
3	8.39	8.10	13.06	10.16	12.65	18.20	8.51	17.69	9.64	7.79	7.04	7.18
4	7.73	7.29	14.03	9.98	12.41	18.78	8.69	17.75	9.58	7.86	7.03	7.15
5	6.96	6.23	14.46	9.71	12.03	17.88	12.83	17.00	9.36	7.91	7.02	7.14
6	6.09	5.20	14.34	9.29	11.53	17.49	18.43	16.04	8.85	7.99	6.99	7.14
7	5.21	5.11	13.96	8.99	11.21	17.46	23.72	15.09	8.34	8.08	6.96	7.14
8	4.43	5.70	13.53	8.92	11.71	17.09	25.04	14.24	8.11	7.96	7.02	7.13
9	3.90	5.86	13.06	10.05	11.83	16.39	24.06	13.46	8.01	7.83	7.33	7.13
10	3.54	6.42	12.55	10.72	11.87	15.56	22.09	12.62	7.89	7.70	7.42	7.11
11	3.25	6.86	11.98	11.24	12.01	14.80	19.78	11.58	7.78	7.58	7.41	7.09
12	3.01	6.95	11.32	11.84	12.39	14.16	17.65	10.23	7.90	7.50	7.38	7.08
13	2.82	6.91	10.53	12.36	14.22	13.79	15.94	8.97	8.33	7.43	7.36	7.06
14	2.67	6.81	9.64	12.71	16.57	13.53	14.73	8.37	9.07	7.38	7.34	7.04
15	2.53	6.69	8.68	12.87	17.78	13.14	13.86	8.05	9.63	7.34	7.33	7.04
16	2.40	6.50	7.95	12.90	17.75	12.76	13.05	7.87	10.10	7.31	7.30	7.03
17	2.30	6.30	7.71	12.77	17.22	12.48	12.16	7.74	10.42	7.29	7.27	7.03
18	2.23	5.98	7.53	12.54	16.51	12.30	11.10	7.66	10.46	7.27	7.24	7.01
19	2.15	5.45	7.74	12.20	15.76	12.22	9.94	7.59	10.24	7.26	7.23	7.01
20	2.09	4.95	8.03	11.76	15.03	12.26	8.95	7.57	9.99	7.24	7.22	6.99
21	2.03	4.62	8.24	11.23	14.72	12.38	8.40	7.72	9.74	7.23	7.24	6.96
22	2.44	4.50	8.41	10.69	14.44	12.42	8.56	7.80	9.43	7.21	7.24	6.95
23	3.09	4.56	8.53	10.11	14.13	12.31	9.87	8.26	9.05	7.20	7.25	7.04
24	5.90	4.81	8.62	10.77	13.87	12.05	10.41	8.70	8.63	7.20	7.23	7.07
25	8.55	6.15	8.61	11.42	13.73	11.75	10.20	8.86	8.28	7.19	7.22	7.05
26	10.15	7.06	8.49	11.99	13.75	11.57	10.55	8.98	8.06	7.18	7.20	7.04
27	11.00	8.10	8.50	12.60	13.98	11.28	10.98	9.23	7.93	7.16	7.19	7.04
28	11.27	9.15	8.64	13.07	14.02	10.93	12.17	10.05	7.81	7.15	7.18	7.03
29	11.15	9.91	9.05	13.16	---	10.40	13.42	10.32	7.73	7.13	7.16	7.02
30	10.70	10.72	9.54	13.05	---	9.84	14.42	10.29	7.69	7.10	7.15	7.02
31	10.09	---	9.86	12.92	---	9.37	---	10.07	---	7.07	7.14	---
MAX	11.27	10.72	14.46	13.16	17.78	18.78	25.04	17.75	10.46	8.08	7.42	7.18
MIN	2.03	4.50	7.53	8.92	11.21	9.37	8.40	7.57	7.69	7.07	6.96	6.95

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 opened Oct. 1 to Jan. 31. Satellite telemetry at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.45 ft, Apr. 10; minimum not determined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.23	7.03	7.75	8.51	11.60	12.32	11.65	12.51	11.68	11.25	10.89	10.99
2	7.27	7.12	8.05	8.52	11.78	13.57	11.58	12.74	11.64	11.23	10.87	11.01
3	7.32	7.13	8.34	8.51	11.88	14.82	11.52	13.74	11.62	11.23	10.85	11.05
4	7.30	7.09	8.63	8.53	11.94	15.03	11.55	13.97	11.59	11.24	10.83	11.06
5	7.24	7.06	8.93	8.65	11.94	14.98	12.37	13.86	11.58	11.26	10.81	11.02
6	7.17	6.96	9.24	8.68	11.90	14.82	13.09	13.62	11.54	11.27	10.81	11.00
7	7.06	6.98	9.57	8.72	11.98	14.60	13.56	13.26	11.49	11.40	10.80	10.98
8	6.91	7.02	9.76	8.81	12.14	14.39	14.72	12.88	11.43	11.39	10.81	10.97
9	6.74	6.95	9.88	9.08	12.13	14.12	15.90	12.57	11.40	11.36	11.10	10.96
10	6.59	6.92	9.93	9.29	12.09	13.87	16.40	12.31	11.38	11.32	11.21	10.96
11	6.39	6.88	9.97	9.44	12.03	13.52	16.30	12.13	11.34	11.27	11.18	10.94
12	6.22	6.84	10.00	9.52	12.17	13.14	15.83	11.98	11.31	11.24	11.16	10.92
13	6.06	6.79	9.94	9.58	12.80	12.91	15.12	11.81	11.33	11.20	11.13	10.88
14	5.90	6.76	9.81	9.61	12.98	12.76	14.36	11.65	11.42	11.16	11.11	10.88
15	---	6.72	9.66	9.71	13.01	12.54	13.67	11.55	11.46	11.13	11.06	10.87
16	---	6.65	9.54	9.87	13.04	12.34	13.05	11.46	11.50	11.10	11.05	10.86
17	---	6.67	9.42	9.96	13.02	12.18	12.56	11.38	11.60	11.08	11.03	10.85
18	---	6.65	9.27	10.01	12.92	12.09	12.21	11.31	11.66	11.06	---	10.84
19	---	6.59	9.07	10.04	12.79	12.05	11.98	11.27	11.66	11.05	---	10.83
20	---	6.50	8.90	10.06	12.62	11.99	11.81	11.31	11.65	11.03	---	10.82
21	---	6.46	8.74	10.02	12.67	11.97	11.66	11.36	11.63	11.02	11.10	10.82
22	---	6.35	8.63	10.00	12.61	11.97	11.68	11.32	11.62	11.00	11.11	10.82
23	---	6.22	8.52	10.01	12.48	11.96	11.70	11.31	11.57	10.99	11.12	10.88
24	---	6.16	8.48	10.56	12.37	11.92	11.70	11.36	11.54	10.99	11.09	10.90
25	---	6.34	8.37	10.80	12.32	11.97	11.75	11.44	11.50	10.99	11.07	10.90
26	---	6.52	8.31	10.86	12.29	12.03	11.94	11.45	11.45	10.97	11.06	10.88
27	5.83	6.64	8.30	10.88	12.39	11.97	12.02	11.51	11.40	10.96	11.04	10.87
28	6.12	6.74	8.26	11.01	12.36	11.90	12.30	11.72	11.35	10.95	11.02	10.78
29	6.39	6.91	8.32	11.01	---	11.88	12.57	11.75	11.31	10.93	11.01	10.69
30	6.69	7.32	8.44	11.00	---	11.82	12.55	11.74	11.27	10.93	11.00	10.69
31	6.88	---	8.50	11.19	---	11.72	---	11.73	---	10.92	10.99	---
MAX	---	7.32	10.00	11.19	13.04	15.03	16.40	13.97	11.68	11.40	---	11.06
MIN	---	6.16	7.75	8.51	11.60	11.72	11.52	11.27	11.27	10.92	---	10.69

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, 6,230 ft³/s, Apr. 6, gage height, 19.27 ft; minimum gage height not determined.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.70	10.56	14.68	11.17	13.54	14.93	9.32	16.98	7.48	---	---	---
2	6.88	10.66	15.17	10.92	13.42	15.28	9.13	17.46	6.93	---	---	---
3	6.33	10.45	15.55	10.69	13.24	15.98	8.98	17.89	6.55	---	---	---
4	6.21	9.99	15.72	10.51	13.09	16.36	9.63	17.79	6.29	---	---	---
5	6.24	9.23	15.59	10.36	13.09	16.57	17.31	17.21	6.16	---	---	---
6	6.12	8.23	15.29	10.31	13.27	16.49	19.10	16.49	6.11	---	---	---
7	5.83	8.03	15.00	10.48	13.50	16.15	18.58	15.82	6.10	---	---	---
8	5.48	8.43	14.75	11.22	13.81	15.75	17.39	15.19	6.13	---	---	---
9	5.16	9.37	14.47	12.90	13.88	15.42	16.49	14.54	6.59	---	---	---
10	4.83	10.43	14.10	13.88	13.75	15.14	15.76	13.89	7.53	---	---	---
11	4.44	11.01	13.62	14.29	13.38	14.83	15.18	13.20	7.25	---	---	---
12	4.14	11.10	13.04	14.07	13.46	14.47	14.75	12.47	7.93	---	---	---
13	3.77	11.04	12.44	13.53	15.08	14.35	14.44	11.74	9.16	---	---	---
14	3.43	10.93	11.85	12.82	16.46	14.49	14.11	11.04	9.16	---	---	---
15	3.22	10.60	11.31	12.24	17.08	14.71	13.66	10.26	8.61	---	---	---
16	3.09	10.13	11.00	11.86	16.75	14.67	13.12	9.57	8.24	---	---	---
17	3.07	9.67	11.13	11.64	16.14	14.34	12.50	9.09	8.96	---	---	---
18	3.06	9.25	11.51	11.58	15.51	13.98	11.64	8.71	10.38	---	---	---
19	3.05	9.05	11.77	11.48	14.89	13.78	10.66	8.38	11.50	---	---	---
20	3.26	8.97	11.69	11.33	14.42	13.72	9.88	8.42	11.93	---	---	---
21	3.50	8.75	11.51	11.20	14.75	13.74	9.36	8.08	11.64	---	---	---
22	12.05	8.43	11.33	11.18	15.34	13.58	9.42	7.78	10.97	---	---	---
23	12.61	8.18	11.14	11.19	15.69	13.24	9.41	7.56	10.28	---	---	---
24	13.28	8.41	11.39	12.29	15.52	12.76	9.20	7.63	9.79	---	---	---
25	13.23	10.41	11.45	13.05	15.10	12.23	8.95	8.01	9.55	---	---	---
26	12.74	11.56	11.55	13.42	14.76	11.72	9.85	7.77	9.45	---	---	---
27	12.03	13.23	11.85	13.43	14.66	11.17	10.39	7.57	---	---	---	---
28	11.27	13.95	11.89	13.27	14.82	10.71	13.23	7.65	---	---	---	---
29	10.65	14.08	11.84	13.19	---	10.27	15.49	7.60	---	---	---	---
30	10.34	14.35	11.68	13.40	---	9.89	16.67	7.36	---	---	---	---
31	10.35	---	11.43	13.54	---	9.57	---	8.54	---	---	---	---
MAX	13.28	14.35	15.72	14.29	17.08	16.57	19.10	17.89	---	---	---	---
MIN	3.05	8.03	11.00	10.31	13.09	9.57	8.95	7.36	---	---	---	---

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA

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

DRAINAGE AREA.--980 mi².

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

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

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

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	639	1100	1770	1880	2120	3810	3240	5510	2850	1310	100	58
2	587	1120	1840	1860	2090	4870	3160	5560	2780	1270	93	63
3	565	1130	1870	1840	2070	5690	3080	5820	2710	1220	89	70
4	547	1120	1870	1820	2060	5620	3220	5910	2640	1160	85	78
5	525	1110	1870	1810	2040	5400	5620	5820	2560	1100	79	85
6	503	1100	1860	1780	2020	5240	6370	5670	2480	1050	71	81
7	486	1160	1870	1790	2170	5070	6190	5510	2410	1030	62	75
8	468	1140	1890	1880	2390	4890	6020	5340	2330	994	59	66
9	450	1140	1890	2090	2490	4730	5900	5150	2270	957	74	60
10	430	1130	1890	2120	2500	4650	5820	4950	2220	926	76	58
11	409	1120	1890	2140	2410	4560	5760	4740	2140	891	58	53
12	386	1110	1890	2090	2660	4460	5690	4530	2100	851	55	53
13	362	1070	1890	2050	3980	4620	5590	4350	2070	811	53	49
14	336	1060	1870	2020	4460	4700	5480	4200	2050	770	74	45
15	310	1040	1860	2000	4180	4690	5340	4070	2020	727	50	38
16	276	1030	1900	1990	3870	4580	5160	3950	1990	682	42	32
17	232	1020	1950	1970	3740	4440	4960	3850	1960	637	38	27
18	206	1010	1950	1950	3660	4340	4730	3760	1930	593	34	24
19	178	1020	1960	1930	3630	4270	4480	3670	1890	547	32	22
20	146	1010	1960	1910	3580	4130	4260	3590	1840	503	30	20
21	118	999	1950	1900	3880	4020	4080	3530	1780	464	31	19
22	169	977	1930	1890	3910	3920	4030	3450	1730	431	30	17
23	165	964	1920	1880	3900	3830	4020	3370	1680	392	37	20
24	366	991	1920	2120	3850	3730	3990	3330	1630	354	28	27
25	569	1130	1900	2170	3850	3680	4010	3280	1590	320	24	29
26	751	1150	1890	2210	3900	3680	4260	3200	1540	285	26	30
27	863	1210	1890	2210	3910	3620	4380	3130	1500	248	35	36
28	940	1260	1890	2280	3870	3560	5050	3100	1450	206	56	38
29	996	1330	1930	2220	---	3480	5410	3040	1410	166	66	35
30	1030	1550	1920	2170	---	3400	5520	2980	1360	134	64	30
31	1070	---	1900	2140	---	3320	---	2920	---	113	61	---
TOTAL	15078	33301	58780	62110	89190	135000	144820	131280	60910	21142	1712	1338
MEAN	486	1110	1896	2004	3185	4355	4827	4235	2030	682	55.2	44.6
MAX	1070	1550	1960	2280	4460	5690	6370	5910	2850	1310	100	85
MIN	118	964	1770	1780	2020	3320	3080	2920	1360	113	24	17
AC-FT	29910	66050	116600	123200	176900	267800	287300	260400	120800	41940	3400	2650

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1997, BY WATER YEAR (WY)

MEAN	153	451	994	1408	1868	2033	1797	1350	1036	744	277	115	
MAX	724	2001	2119	2991	3185	4355	4827	4244	2567	3288	2130	419	
(WY)	1985	1985	1992	1988	1997	1997	1997	1991	1989	1989	1989	1989	
MIN	6.97	22.0	47.0	68.8	79.8	44.6	152	71.7	14.5	21.8	14.1	4.24	
(WY)	1989	1981	1981	1981	1996	1996	1996	1982	1988	1988	1987	1987	
SUMMARY STATISTICS			FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1980 - 1997				
ANNUAL TOTAL			257139			754661							
ANNUAL MEAN			703			2068			1016				
HIGHEST ANNUAL MEAN									2068				
LOWEST ANNUAL MEAN									206				
HIGHEST DAILY MEAN			2260			Jul 14			6370			Apr 6	
LOWEST DAILY MEAN			17			Mar 13			17			Sep 22	
ANNUAL SEVEN-DAY MINIMUM			23			Mar 8			21			Sep 17	
INSTANTANEOUS PEAK FLOW									6410			Apr 6	
INSTANTANEOUS PEAK STAGE									37.53			Apr 6	
INSTANTANEOUS LOW FLOW									16			Sep 23	
INSTANTANEOUS LOW STAGE									15.66			Sep 23	
ANNUAL RUNOFF (AC-FT)			510000						1497000			736000	
10 PERCENT EXCEEDS			1890						4710			2640	
50 PERCENT EXCEEDS			364						1890			481	
90 PERCENT EXCEEDS			65						57			22	

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.37	23.94	26.95	27.43	28.38	32.59	31.28	35.94	30.33	24.96	17.03	16.45
2	21.04	24.04	27.28	27.35	28.28	34.72	31.09	36.04	30.15	24.74	16.93	16.52
3	20.91	24.06	27.37	27.26	28.18	36.28	30.90	36.51	29.97	24.49	16.88	16.62
4	20.79	24.03	27.39	27.18	28.13	36.15	31.23	36.66	29.78	24.20	16.83	16.73
5	20.64	23.96	27.38	27.12	28.08	35.75	36.11	36.51	29.58	23.92	16.75	16.83
6	20.49	23.91	27.34	27.02	27.99	35.45	37.47	36.24	29.39	23.69	16.64	16.78
7	20.38	24.19	27.38	27.04	28.46	35.13	37.16	35.95	29.19	23.56	16.51	16.69
8	20.25	24.10	27.45	27.41	29.15	34.79	36.87	35.64	28.99	23.37	16.46	16.57
9	20.13	24.11	27.48	28.25	29.41	34.48	36.65	35.29	28.84	23.18	16.68	16.47
10	19.99	24.08	27.47	28.39	29.43	34.33	36.51	34.90	28.69	23.02	16.71	16.44
11	19.84	24.04	27.48	28.45	29.19	34.14	36.40	34.49	28.46	22.83	16.44	16.37
12	19.66	23.95	27.48	28.28	29.82	33.94	36.27	34.09	28.30	22.61	16.39	16.36
13	19.48	23.79	27.46	28.10	32.94	34.27	36.10	33.73	28.19	22.38	16.36	16.31
14	19.28	23.69	27.38	27.97	33.94	34.43	35.89	33.41	28.12	22.15	16.67	16.23
15	19.08	23.63	27.35	27.90	33.38	34.41	35.64	33.14	28.00	21.90	16.32	16.11
16	18.79	23.55	27.51	27.86	32.72	34.19	35.31	32.89	27.85	21.64	16.19	16.00
17	18.40	23.50	27.70	27.79	32.43	33.90	34.92	32.67	27.74	21.36	16.10	15.90
18	18.17	23.47	27.69	27.70	32.25	33.70	34.48	32.46	27.62	21.08	16.04	15.84
19	17.88	23.52	27.73	27.61	32.18	33.55	33.98	32.27	27.46	20.78	15.99	15.79
20	17.55	23.48	27.73	27.56	32.06	33.27	33.54	32.08	27.25	20.49	15.95	15.74
21	17.24	23.40	27.70	27.50	32.73	33.03	33.16	31.95	27.01	20.23	15.97	15.71
22	17.78	23.29	27.64	27.46	32.80	32.83	33.05	31.77	26.79	19.99	15.95	15.68
23	17.74	23.22	27.57	27.42	32.77	32.62	33.03	31.58	26.58	19.71	16.09	15.74
24	19.50	23.36	27.58	28.40	32.66	32.40	32.97	31.50	26.38	19.42	15.93	15.91
25	20.92	24.09	27.51	28.55	32.68	32.30	33.01	31.37	26.18	19.15	15.84	15.95
26	22.04	24.16	27.46	28.67	32.78	32.30	33.53	31.18	26.00	18.87	15.88	15.95
27	22.67	24.48	27.47	28.68	32.80	32.16	33.78	31.02	25.79	18.55	16.06	16.08
28	23.09	24.70	27.45	28.87	32.72	32.03	35.09	30.95	25.57	18.16	16.40	16.11
29	23.39	25.04	27.63	28.69	---	31.84	35.77	30.80	25.38	17.77	16.57	16.05
30	23.58	26.03	27.59	28.57	---	31.65	35.98	30.66	25.18	17.43	16.54	15.96
31	23.76	---	27.50	28.47	---	31.47	---	30.50	---	17.18	16.48	---
MAX	23.76	26.03	27.73	28.87	33.94	36.28	37.47	36.66	30.33	24.96	17.03	16.83
MIN	17.24	23.22	26.95	27.02	27.99	31.47	30.90	30.50	25.18	17.18	15.84	15.68

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 1996 TO SEPTEMBER 1997

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOLOGICAL (5 DAY) (MG/L) (00310)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 UM-MF (COLS. PER 100 ML) (31625)
OCT 1996											
30...	1200	289	7.40	20.0	60	83	7.1	17	1.4	--	K66
DEC											
03...	1245	175	7.51	11.0	200	150	10.2	18	3.6	--	--
30...	1230	469	7.36	13.0	50	46	9.4	22	0.6	1100	330
JAN 1997											
29...	1220	319	7.49	8.0	--	--	11.0	23	2.5	1000	180
FEB											
26...	1200	236	7.80	13.0	120	200	9.1	20	1.8	4100	410
MAR											
24...	1240	344	7.59	16.0	70	55	8.6	24	1.0	920	K20
APR											
22...	1140	479	7.78	20.0	--	51	8.8	23	--	K400	K23
MAY											
28...	1345	907	7.73	23.0	30	45	8.0	19	2.0	K40	K13
JUN											
25...	1200	815	7.88	29.0	20	19	7.7	19	2.0	K60	<4
JUL											
22...	1045	871	7.82	31.5	15	1.4	6.5	19	1.8	<1	--
AUG											
26...	1200	1060	8.05	29.5	5	4.0	6.0	13	0.2	<4	K4
SEP											
18...	0930	1260	7.79	27.0	15	<1.0	--	25	--	K40	K16

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DISSOLVED (MG/L AS Ca) (00915)	MAGNESIUM DISSOLVED (MG/L AS Mg) (00925)	SODIUM DISSOLVED (MG/L AS Na) (00930)	POTASSIUM DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CaCO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE DISSOLVED (MG/L AS Cl) (00940)	FLUORIDE DISSOLVED (MG/L AS F) (00950)
OCT 1996										
30...	K25	83	24	5.5	21	3.1	60	30	32	0.1
DEC										
03...	K100	61	19	3.4	10	2.6	55	14	11	0.1
30...	400	120	32	8.6	41	3.1	58	64	64	0.1
JAN 1997										
29...	200	86	24	6.3	26	3.0	59	34	36	0.1
FEB										
26...	210	70	21	4.2	--	2.1	58	23	20	0.1
MAR										
24...	K50	96	27	6.9	26	2.3	55	44	40	0.1
APR										
22...	100	140	39	9.7	43	3.2	78	74	65	0.1
MAY										
28...	K100	230	62	18	86	3.8	98	140	130	0.2
JUN										
25...	K32	200	54	16	79	3.6	91	130	110	0.2
JUL										
22...	K16	240	62	20	82	4.2	131	130	120	0.2
AUG										
26...	K4	300	80	24	100	4.4	169	170	150	0.2
SEP										
18...	K16	330	86	29	120	5.2	172	200	170	0.3

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

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

07350500 RED RIVER AT COUSHATTA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 1996										
30...	184	152	140	0.04	0.15	0.06	0.85	0.14	0.13	9.7
DEC										
03...	126	93	310	0.02	0.16	0.07	0.99	0.29	0.10	13
30...	290	248	62	0.02	0.21	0.06	0.59	0.09	0.09	8.2
JAN 1997										
29...	218	165	39	0.01	0.20	0.09	0.65	0.10	0.05	9.8
FEB										
26...	128	119	510	0.04	0.19	0.07	1.0	0.23	0.12	13
MAR										
24...	190	179	86	0.01	0.20	0.03	0.60	0.10	0.06	9.6
APR										
22...	318	281	54	0.01	0.22	0.04	0.75	0.08	0.05	8.4
MAY										
28...	546	499	56	0.01	0.27	0.02	--	0.09	0.06	0.60
JUN										
25...	470	447	35	<0.01	0.11	0.04	0.65	0.03	0.03	8.3
JUL										
22...	536	497	10	<0.01	0.05	0.03	0.75	0.05	0.02	8.6
AUG										
26...	662	630	10	<0.01	<0.02	<0.01	0.57	0.02	--	6.4
SEP										
18...	782	714	9	<0.01	0.02	0.04	0.75	0.08	0.04	7.7

DATE	ARSENIC TOTAL (µG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (µG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
OCT 1996								
30...	3	<0.5	<1	4	5	3300	5	150
JAN 1997								
29...	<1	<0.5	<1	1	3	1500	2	56
APR								
22...	2	<0.5	<1	2	4	1800	2	92
JUL								
22...	2	<0.5	<1	<1	4	8	<1	6

DATE	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	SELE- NIUM, TOTAL (µG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (µG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)
OCT 1996							
30...	<0.1	6	<1	10	<0.01	<1	12
JAN 1997							
29...	<0.1	3	<1	8	<0.01	<1	3
APR							
22...	<0.1	3	<1	20	<0.01	<1	<1
JUL							
22...	<0.1	<1	1	1	<0.01	<2	<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.--Records fair above 50 ft³/s and poor below, except for periods of estimated record, which are poor. 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	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 13	0700	5,470	11.22	Apr. 5	1200	*26,100	*13.31
Mar. 2	1800	11,800	11.90	May 3	0300	4,620	11.08

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	e.45	914	35	18	96	13	37	20	8.9	e.00	e.60
2	.73	e.38	347	25	16	4510	12	480	15	4.5	e.00	e.30
3	.50	e.30	65	19	15	2150	10	2340	11	2.8	e.00	e.00
4	.41	e.60	34	17	64	414	145	348	9.7	1.9	e.00	e.00
5	e.35	e1.6	e20	29	54	185	13400	50	17	1.3	e.00	e.00
6	e.31	5.0	e12	26	27	410	1150	25	14	1.6	e.00	e.00
7	e.28	172	e7.0	108	226	108	159	17	9.5	6.1	e.00	e.00
8	e.25	375	e4.5	446	1080	62	45	12	7.7	4.1	e1.6	e.00
9	e.22	25	e3.0	1310	322	46	32	e8.0	27	1.8	103	e.00
10	e.20	6.3	e2.2	505	83	167	19	e5.8	84	1.0	283	e.00
11	e.18	3.1	e1.6	105	50	191	15	e4.0	75	e.00	18	e.00
12	e.14	1.5	e1.2	49	281	104	102	e3.0	23	e.00	6.7	e.00
13	e.12	e.90	e1.0	33	3710	1330	55	e2.3	44	e.00	5.1	e.00
14	e.20	e.50	e3.2	26	852	880	24	e1.8	389	e.00	3.6	e.00
15	e.29	e.35	10	24	193	175	16	e1.4	256	e.00	e2.5	e.00
16	e.40	e.25	121	34	84	69	e9.0	e1.1	35	e.00	e1.9	e.00
17	e.55	e.14	494	27	55	47	e6.5	e.90	44	e.00	e1.5	e.00
18	e.85	e.18	178	20	41	55	e4.5	e.70	59	e.00	e1.2	e.00
19	e1.3	e.27	49	17	36	282	e3.6	e1.4	23	e.00	e1.0	e.00
20	e2.2	e.40	27	15	74	104	e2.8	e4.5	14	e.00	e.80	e.00
21	4.2	e.90	21	15	1380	59	e5.0	21	10	e.00	e3.5	e.00
22	296	e1.8	18	52	554	40	98	16	7.9	e.00	e5.0	.09
23	227	3.5	15	78	106	29	226	8.3	6.8	e.00	6.2	.30
24	11	11	21	1390	60	22	34	103	5.8	e.00	8.0	.87
25	4.8	529	30	617	431	29	15	456	6.9	e.00	7.0	1.3
26	2.7	352	20	109	692	259	441	43	5.2	e.00	5.9	.75
27	e1.8	36	62	57	473	88	504	22	4.5	e.00	5.2	.53
28	e1.2	16	63	49	173	44	835	646	94	e.00	e3.5	.43
29	e.90	17	83	35	---	30	602	361	308	e.00	e2.3	.39
30	e.70	366	149	25	---	21	99	70	49	e.00	e1.6	.35
31	e.55	---	59	20	---	16	---	33	---	e.00	e.95	---
TOTAL	563.33	1927.42	2835.7	5317	11150	12022	18082.4	5123.20	1675.0	34.00	479.05	5.91
MEAN	18.2	64.2	91.5	172	398	388	603	165	55.8	1.10	15.5	.20
MAX	296	529	914	1390	3710	4510	13400	2340	389	8.9	283	1.3
MIN	.12	.14	1.0	15	15	16	2.8	.70	4.5	.00	.00	.00
AC-FT	1120	3820	5620	10550	22120	23850	35870	10160	3320	67	950	12
CFSM	.28	.97	1.39	2.60	6.03	5.88	9.13	2.50	.85	.02	.23	.00
IN.	.32	1.09	1.60	3.00	6.28	6.78	10.19	2.89	.94	.02	.27	.00

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1997, BY WATER YEAR (WY)

MEAN	27.9	52.2	101	152	195	133	126	117	56.9	16.7	21.1	4.17
MAX	370	437	534	649	452	388	603	517	436	196	454	106
(WY)	1950	1941	1941	1946	1990	1997	1997	1953	1986	1989	1955	1996
MIN	.000	.000	.000	3.26	5.73	4.57	5.19	1.84	.005	.000	.000	.000
(WY)	1940	1940	1957	1956	1943	1986	1943	1988	1988	1954	1943	1939

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1939 - 1997

ANNUAL TOTAL	13425.67	59215.01	
ANNUAL MEAN	36.7	162	83.8
HIGHEST ANNUAL MEAN			168
LOWEST ANNUAL MEAN			3.59
HIGHEST DAILY MEAN	1830	Aug 29	13400
LOWEST DAILY MEAN	.00	many days	.00
ANNUAL SEVEN-DAY MINIMUM	.00	many days	.00
INSTANTANEOUS PEAK FLOW			26100
INSTANTANEOUS PEAK STAGE			13.31
INSTANTANEOUS LOW FLOW			.00
INSTANTANEOUS LOW STAGE			0.87
ANNUAL RUNOFF (AC-FT)	26630	117500	60700
ANNUAL RUNOFF (CFSM)	.56	2.46	1.27
ANNUAL RUNOFF (INCHES)	7.57	33.38	17.25
10 PERCENT EXCEEDS	26	356	115
50 PERCENT EXCEEDS	5.5	13	4.8
90 PERCENT EXCEEDS	.44	.00	.00

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	2.55	9.62	3.02	2.49	4.08	2.12	3.07	2.25	2.08	2.05	1.95
2	2.00	2.57	6.59	2.72	2.43	9.47	2.04	5.49	2.02	1.79	2.14	1.95
3	1.88	2.60	3.68	2.54	2.37	10.26	1.97	10.37	1.85	1.64	2.12	1.93
4	1.82	2.59	2.98	2.47	3.60	7.19	3.61	6.53	1.75	1.54	2.11	1.91
5	1.86	2.59	2.66	2.82	3.45	5.24	11.97	3.37	2.10	1.46	2.09	1.90
6	1.93	2.59	2.50	2.76	2.79	7.25	9.49	2.73	1.96	1.47	2.08	1.91
7	2.05	4.74	2.38	4.21	4.92	4.25	4.92	2.46	1.74	1.91	2.11	1.89
8	2.14	6.96	2.26	7.48	9.78	3.46	3.27	2.26	1.63	1.76	2.23	1.87
9	2.22	3.38	2.17	10.02	6.45	3.10	2.94	2.12	2.40	1.52	3.90	1.87
10	2.31	2.67	2.11	7.79	4.01	5.01	2.55	1.99	3.54	1.39	6.07	1.92
11	2.37	2.42	2.12	4.34	3.39	5.34	2.39	1.93	3.57	1.36	2.58	1.91
12	2.40	2.23	2.12	3.37	5.35	4.14	4.23	1.86	2.34	1.42	2.08	1.89
13	2.39	2.12	2.12	2.98	10.86	9.74	3.48	1.81	2.98	1.41	1.97	1.86
14	2.44	2.08	2.13	2.78	9.14	9.22	2.70	1.83	6.78	1.44	1.84	1.85
15	2.46	2.26	2.17	2.71	5.33	5.09	2.40	1.81	5.61	1.50	1.96	1.85
16	2.44	2.39	4.23	2.99	3.88	3.60	2.23	1.80	2.72	1.53	1.96	1.84
17	2.45	2.44	7.90	2.81	3.31	3.12	2.09	1.83	2.91	1.52	1.96	1.81
18	2.51	2.49	5.17	2.55	2.99	3.26	2.00	1.78	3.32	1.55	1.98	1.77
19	2.50	2.52	3.36	2.44	2.86	6.27	1.94	1.77	2.35	1.61	1.96	1.75
20	2.50	2.52	2.79	2.38	3.54	4.21	1.94	1.84	1.96	1.68	1.96	1.72
21	2.52	2.51	2.59	2.36	9.81	3.38	1.92	2.60	1.79	1.73	1.99	1.70
22	6.03	2.49	2.48	3.39	7.98	2.95	3.55	2.40	1.65	1.77	1.98	1.68
23	5.63	2.46	2.40	3.83	4.23	2.66	5.62	2.05	1.57	1.81	2.05	1.82
24	2.94	2.70	2.59	9.64	3.40	2.45	2.98	3.44	1.50	1.83	2.16	2.07
25	2.56	8.05	2.89	8.30	7.20	2.59	2.36	7.49	1.57	1.83	2.12	2.23
26	2.38	6.72	2.57	4.38	9.04	6.05	7.25	3.17	1.45	1.86	2.08	2.11
27	2.38	3.51	3.60	3.53	7.74	3.92	7.95	2.54	1.39	1.90	2.05	2.02
28	2.44	2.82	3.64	3.37	5.13	3.06	9.39	8.66	3.44	1.92	2.04	2.00
29	2.52	2.71	3.91	3.03	---	2.69	8.28	6.73	6.49	1.93	2.03	2.00
30	2.57	6.78	4.93	2.73	---	2.41	4.22	3.54	3.23	1.94	2.01	2.00
31	2.58	---	3.58	2.59	---	2.22	---	2.67	---	1.97	1.97	---
MAX	6.03	8.05	9.62	10.02	10.86	10.26	11.97	10.37	6.78	2.08	6.07	2.23
MIN	1.82	2.08	2.11	2.36	2.37	2.22	1.92	1.77	1.39	1.36	1.84	1.68

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.--Records fair except for estimated discharge, which is poor. No base gage-height record December 8 to February 6, February 27 to March 12, July 13 to August 7, August 19-22, and August 29 to September 16.

AVERAGE DISCHARGE.--17 years, 1018 ft³/s, 737,500 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 daily discharge, e9,400 ft³/s, Mar. 7, gage height, not determined; minimum gage height 4.55 ft, Sep. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3240	455	2020	e575	e995	e3500	1220	3000	2380	678	e134	e199
2	2760	501	2100	e525	e805	e4250	1030	2360	1530	548	e120	e180
3	2360	554	1940	e470	e700	e5200	930	3850	1070	467	e128	e165
4	1980	553	1710	e430	e610	e6190	1020	5990	839	424	e110	e193
5	1620	535	1540	e400	e550	e7600	3060	6740	687	378	e114	e177
6	1370	532	1430	e395	e500	e8800	5630	6340	651	338	e118	e159
7	1150	561	1310	e420	1160	e9400	7490	5350	609	333	e155	e170
8	924	752	e1240	e430	2580	e9150	7640	3810	564	335	260	e150
9	741	842	e1130	e445	3460	e8120	6960	2660	513	390	339	e131
10	619	714	e1030	e525	3570	e7000	6100	2080	582	322	1120	e112
11	554	808	e920	e645	3070	e6300	5180	1760	838	287	2230	e130
12	491	884	e845	e840	3010	e5650	4420	1520	991	268	2660	e134
13	423	992	e770	e860	6030	5110	3890	1360	923	e240	2090	e113
14	392	877	e695	e845	7700	5310	3370	1250	880	e205	1260	e100
15	343	688	e640	e760	8380	5520	2930	1150	763	e181	753	e111
16	319	673	e575	e700	8190	5240	2590	1050	736	e168	494	e120
17	282	625	e540	e645	7450	4250	2350	920	798	e190	384	86
18	255	629	e675	e595	6490	3500	2270	825	831	e169	326	92
19	255	621	e965	e560	5120	3870	2230	712	837	e142	e250	86
20	253	631	e1140	e605	4010	3520	2030	721	831	e170	e271	83
21	251	687	e1200	e645	4140	3180	1800	1590	768	e145	e245	87
22	247	729	e1100	e670	4420	2830	1590	2400	679	e130	e214	86
23	384	751	e620	e615	4670	2460	1600	2010	624	e139	310	98
24	562	749	e580	e580	4120	2160	1710	1460	588	e141	385	89
25	565	1060	e560	e560	3810	1930	1640	1110	550	e129	403	108
26	642	1450	e670	e850	3900	2230	2110	980	564	e120	375	112
27	736	1320	e690	e1230	e4280	2640	2670	820	557	e160	328	103
28	785	1000	e605	e1460	e3880	2650	3080	892	525	e142	279	105
29	818	1060	e625	e1520	---	2320	3630	2000	888	e145	e230	96
30	686	1610	e650	e1400	---	1830	3620	2950	841	e145	e199	92
31	568	---	e650	e1200	---	1440	---	2960	---	e120	e218	---
TOTAL	26575	23843	31165	22400	107600	143150	95790	72620	24437	7749	16502	3667
MEAN	857	795	1005	723	3843	4618	3193	2343	815	250	532	122
MAX	3240	1610	2100	1520	8380	9400	7640	6740	2380	678	2660	199
MIN	247	455	540	395	500	1440	930	712	513	120	110	83
AC-FT	52710	47290	61820	44430	213400	283900	190000	144000	48470	15370	32730	7270

CAL YR 1996	TOTAL 215118	MEAN 588	MAX 5880	MIN 70	AC-FT 426700
WTR YR 1997	TOTAL 575498	MEAN 1577	MAX 9400	MIN 83	AC-FT 1142000

e Estimated

RED RIVER BASIN
07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued
GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.56	9.70	18.33	---	---	---	12.60	19.65	13.30	8.82	---	---
2	14.89	10.28	18.02	---	---	---	11.93	19.16	11.70	8.33	---	---
3	13.82	10.53	17.64	---	---	---	11.25	20.76	10.97	7.93	---	---
4	12.59	10.39	17.53	---	---	---	10.93	23.13	10.44	7.47	---	---
5	11.59	10.26	17.50	---	---	---	15.36	23.94	9.83	6.73	---	---
6	10.85	10.27	17.16	---	---	---	20.74	23.52	9.51	6.44	---	---
7	9.96	10.60	16.60	---	9.96	---	23.66	22.47	8.91	6.69	---	---
8	9.05	10.85	---	---	13.16	---	24.35	20.23	8.30	7.02	5.78	---
9	8.28	10.80	---	---	15.18	---	24.19	17.84	8.69	7.04	6.17	---
10	7.73	11.67	---	---	15.37	---	23.71	16.11	9.33	6.50	8.49	---
11	7.29	13.55	---	---	14.41	---	22.75	14.92	10.08	6.25	11.63	---
12	6.78	14.37	---	---	15.19	---	21.51	14.10	10.34	6.42	12.78	---
13	6.74	13.81	---	---	21.81	---	20.23	13.57	9.92	---	11.25	---
14	6.40	12.46	---	---	24.18	23.71	19.04	13.03	10.04	---	8.80	---
15	6.25	11.84	---	---	25.15	23.71	17.89	12.48	9.99	---	7.14	---
16	6.07	11.75	---	---	25.04	23.46	16.93	11.79	10.25	---	6.25	---
17	5.79	11.67	---	---	24.29	22.57	16.17	11.45	10.30	---	5.70	5.09
18	5.65	11.71	---	---	23.19	21.87	15.67	11.34	10.28	---	5.53	5.07
19	5.79	11.69	---	---	21.30	22.15	14.61	11.15	10.51	---	---	4.83
20	5.82	11.98	---	---	19.10	21.21	13.64	10.96	10.50	---	---	5.04
21	5.68	12.70	---	---	19.10	20.03	12.85	12.50	10.10	---	---	4.93
22	6.03	13.15	---	---	19.41	18.81	12.38	13.42	9.83	---	---	4.83
23	7.04	12.92	---	---	20.19	17.60	12.42	12.26	9.65	---	5.70	5.06
24	7.91	12.42	---	---	20.49	16.41	12.67	11.20	9.41	---	5.99	5.01
25	9.27	12.81	---	---	21.06	15.52	12.56	10.74	9.37	---	5.84	4.76
26	10.87	13.22	---	---	21.47	15.92	13.69	10.16	9.38	---	5.88	4.84
27	11.94	13.85	---	---	---	16.24	14.86	10.00	8.74	---	5.80	5.17
28	12.26	15.64	---	---	---	15.96	16.33	10.52	8.38	---	5.74	4.90
29	11.48	16.85	---	---	---	15.00	18.60	12.53	8.97	---	---	4.91
30	10.51	17.98	---	---	---	13.92	19.66	14.44	9.06	---	---	4.92
31	9.58	---	---	---	---	13.15	---	14.60	---	---	---	---
MAX	15.56	17.98	---	---	---	---	24.35	23.94	13.30	---	---	---
MIN	5.65	9.70	---	---	---	---	10.93	10.00	8.30	---	---	---

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 1996 TO SEPTEMBER 1997

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
OCT 1996											
30...	1325	318	7.30	20.0	80	80	7.0	--	1.5	K140	K110
DEC											
03...	1405	186	7.57	12.0	120	160	9.9	19	3.2	--	--
30...	1355	410	7.29	14.0	120	84	12.2	18	3.7	1600	1200
JAN 1997											
29...	1345	295	7.45	9.0	--	--	11.6	23	3.5	1000	580
FEB											
26...	1250	266	7.69	13.0	100	180	9.2	22	1.8	>6000	340
MAR											
24...	1400	330	7.55	18.5	60	50	8.8	24	2.0	480	K15
APR											
22...	1305	409	7.74	20.0	--	58	9.6	25	--	K40	K20
MAY											
28...	1550	887	7.50	23.0	30	38	8.1	22	2.1	<10	K10
JUN											
25...	1330	1060	7.83	29.0	15	21	7.7	17	2.0	<5	K4
JUL											
22...	1230	898	7.83	32.0	15	<1.0	7.5	22	2.3	<1	--
AUG											
26...	1330	1150	7.98	28.5	15	4.8	6.6	11	0.7	<4	<2
SEP											
18...	1100	1290	7.89	27.0	10	<1.0	--	19	--	<2	<1

DATE	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DISSOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DISSOLVED (MG/L AS Mg) (00925)	SODIUM, DISSOLVED (MG/L AS Na) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY, WAT WH TOT FET FIELD (MG/L AS CaCO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS Cl) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT 1996										
30...	K10	91	26	6.3	24	3.1	64	32	34	0.1
DEC										
03...	K30	62	19	3.5	9.1	2.7	58	14	12	0.1
30...	>2200	100	28	7.7	36	3.2	54	55	54	0.1
JAN 1997										
29...	300	80	22	6.1	24	3.1	55	32	34	0.1
FEB										
26...	410	80	22	6.0	17	2.3	60	26	23	0.1
MAR										
24...	K50	96	27	7.0	26	2.3	55	44	41	0.1
APR										
22...	100	120	35	8.2	34	3.0	73	58	51	0.1
MAY										
28...	K35	230	62	18	83	4.0	104	140	130	0.2
JUN										
25...	K16	270	72	21	100	4.0	104	180	150	0.2
JUL										
22...	K1	230	61	19	86	4.1	123	140	120	0.2
AUG										
26...	K4	310	81	26	110	4.6	148	180	160	0.2
SEP										
18...	K16	350	90	30	120	5.2	148	210	180	0.3

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

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

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

RED RIVER BASIN

07351930 RED RIVER AT GRAND ECOPE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L) AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L) AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 1996										
30...	186	164	160	0.05	0.16	0.06	0.85	0.16	0.14	9.4
DEC										
03...	136	95	320	0.02	0.16	0.07	0.98	0.26	0.10	13
30...	250	216	110	0.04	0.22	0.08	0.80	0.13	--	7.9
JAN 1997										
29...	--	154	65	0.01	0.13	0.09	0.65	0.14	0.06	10
FEB										
26...	146	132	320	0.03	0.19	0.07	1.0	0.22	0.10	13
MAR										
24...	194	180	81	0.01	0.20	0.02	0.62	0.08	0.05	9.4
APR										
22...	258	233	63	0.01	0.21	0.03	0.62	0.07	0.05	8.4
MAY										
28...	512	500	58	0.01	0.26	0.02	--	0.11	0.06	7.5
JUN										
25...	628	590	87	<0.01	0.15	0.03	0.65	0.04	0.03	8.5
JUL										
22...	536	504	7	<0.01	0.03	0.02	0.77	0.06	0.02	8.8
AUG										
26...	686	651	8	<0.01	<0.02	<0.01	0.55	<0.02	0.03	5.7
SEP										
18...	792	724	7	<0.01	<0.02	0.02	0.59	0.06	0.02	5.4

DATE	ARSENIC TOTAL (µG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (µG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)
OCT 1996								
30...	3	<0.5	<1	4	5	3800	4	170
JAN 1997								
29...	1	<0.5	<1	1	4	2100	3	69
APR								
22...	2	<0.5	<1	1	3	1600	2	80
JUL								
22...	3	<0.5	<1	<1	2	160	<1	93

DATE	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	SELE- NIUM, TOTAL (µG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (µG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)
OCT 1996							
30...	<0.1	6	<1	10	<0.01	5	7
JAN 1997							
29...	<0.1	4	<1	10	<0.01	<1	1
APR							
22...	0.1	2	<1	7	<0.01	<1	<1
JUL							
22...	<0.1	<1	1	3	<0.01	<4	<1

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

RED RIVER BASIN

07352000 SALINE BAYOU NEAR LUCKY, LA

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

DRAINAGE AREA.--154 mi².

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

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Water-stage recorder 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)
Jan. 25	1700	3,260	8.65	Apr. 7	1200	1,640	7.53
Feb. 14	1200	4,210	9.13	May 4	1300	3,620	8.84
Mar. 3	1700	*6,280	*10.01	May 29	0700	1,160	7.11

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	23	376	226	536	707	145	1270	456	40	23	11
2	70	22	440	181	372	1150	126	883	231	31	20	11
3	59	20	430	152	267	4760	112	818	150	25	16	11
4	84	19	322	135	242	3720	146	2700	113	21	14	11
5	67	18	195	127	228	1890	485	1990	93	18	12	9.6
6	46	18	141	138	220	1410	915	1160	79	22	10	8.9
7	34	57	118	248	269	951	1480	762	70	114	9.8	8.7
8	27	118	102	364	499	654	1130	439	64	135	13	8.4
9	22	100	89	610	613	463	757	251	60	116	40	8.4
10	19	71	81	759	772	402	407	185	61	93	77	9.3
11	17	56	75	791	799	520	241	151	57	53	79	9.8
12	15	40	72	751	710	506	220	127	62	34	99	9.3
13	14	30	68	544	1650	590	219	109	118	26	56	8.7
14	14	26	65	301	3750	637	212	97	143	21	32	8.2
15	13	23	75	224	2280	626	173	86	154	18	22	8.0
16	13	22	223	223	1290	626	142	75	123	18	17	7.7
17	13	34	461	273	865	504	122	68	111	17	15	7.4
18	37	85	517	318	593	351	107	63	134	17	13	7.2
19	33	118	475	249	388	321	97	61	120	20	12	7.1
20	29	82	364	193	304	270	93	63	93	21	10	7.2
21	23	60	214	172	521	243	87	344	70	23	11	7.2
22	28	48	159	196	621	217	124	766	54	27	12	7.3
23	49	40	136	251	635	191	255	598	45	23	17	9.3
24	47	52	125	1210	659	169	372	475	38	21	19	25
25	35	317	121	2610	652	171	365	281	40	24	18	36
26	47	471	114	2190	672	256	520	197	50	29	15	35
27	46	429	114	1300	692	330	786	211	56	23	13	26
28	39	332	163	949	714	406	1310	534	51	16	11	21
29	31	206	285	657	---	334	1740	1080	52	15	10	17
30	26	242	272	538	---	223	1800	866	51	27	9.4	15
31	24	---	247	567	---	173	---	737	---	28	9.6	---
TOTAL	1157	3179	6639	17447	21813	23771	14688	17447	2999	1116	734.8	376.7
MEAN	37.3	106	214	563	779	767	490	563	100	36.0	23.7	12.6
MAX	136	471	517	2610	3750	4760	1800	2700	456	135	99	36
MIN	13	18	65	127	220	169	87	61	38	15	9.4	7.1
AC-FT	2290	6310	13170	34610	43270	47150	29130	34610	5950	2210	1460	747
CFSM	.24	.69	1.39	3.65	5.06	4.98	3.18	3.65	.65	.23	.15	.08
IN.	.28	.77	1.60	4.21	5.27	5.74	3.55	4.21	.72	.27	.18	.09

RED RIVER BASIN

07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1997, BY WATER YEAR (WY)

MEAN	44.0	121	204	306	339	299	264	259	117	65.0	32.8	41.1
MAX	310	713	971	1116	925	767	999	1122	652	1010	177	280
(WY)	1946	1958	1983	1945	1983	1997	1991	1953	1959	1989	1955	1958
MIN	5.73	11.9	25.0	29.5	36.9	42.4	27.3	14.3	12.0	5.60	4.76	4.45
(WY)	1968	1944	1944	1967	1981	1996	1978	1988	1985	1966	1954	1982

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1941 - 1997

ANNUAL TOTAL	29476.4	111367.5	
ANNUAL MEAN	80.5	305	174
HIGHEST ANNUAL MEAN			371
LOWEST ANNUAL MEAN			34.7
HIGHEST DAILY MEAN	760	Sep 28	4760
LOWEST DAILY MEAN	6.1	May 28	7.1
ANNUAL SEVEN-DAY MINIMUM	7.6	May 23	7.3
INSTANTANEOUS PEAK FLOW			6280
INSTANTANEOUS PEAK STAGE			10.01
INSTANTANEOUS LOW FLOW			7.0
INSTANTANEOUS LOW STAGE			2.41
ANNUAL RUNOFF (AC-FT)	58470	220900	125700
ANNUAL RUNOFF (CFSM)	.52	1.98	1.13
ANNUAL RUNOFF (INCHES)	7.12	26.90	15.31
10 PERCENT EXCEEDS	210	760	430
50 PERCENT EXCEEDS	43	113	61
90 PERCENT EXCEEDS	13	13	11

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.65	3.16	5.93	5.36	6.27	6.57	4.76	7.20	6.10	3.35	2.95	2.58
2	3.90	3.15	6.08	5.06	5.91	7.05	4.58	6.81	5.37	3.15	2.87	2.60
3	3.71	3.10	6.06	4.82	5.59	9.32	4.43	6.72	4.80	3.00	2.76	2.60
4	4.10	3.07	5.76	4.66	5.45	8.86	4.72	8.24	4.44	2.90	2.68	2.57
5	3.86	3.06	5.15	4.58	5.37	7.73	6.11	7.81	4.20	2.82	2.61	2.52
6	3.50	3.06	4.72	4.68	5.32	7.33	6.85	7.11	4.03	2.90	2.56	2.49
7	3.25	3.75	4.49	5.48	5.52	6.89	7.39	6.64	3.89	4.42	2.53	2.48
8	3.10	4.56	4.31	5.89	6.20	6.48	7.08	6.06	3.78	4.66	2.63	2.47
9	2.98	4.39	4.16	6.41	6.42	6.13	6.64	5.49	3.73	4.47	3.31	2.47
10	2.91	4.06	4.05	6.64	6.66	5.99	5.99	5.08	3.74	4.20	4.00	2.51
11	2.85	3.84	3.97	6.69	6.70	6.25	5.45	4.81	3.67	3.59	4.02	2.53
12	2.80	3.57	3.92	6.63	6.57	6.22	5.32	4.58	3.74	3.21	4.27	2.51
13	2.78	3.39	3.86	6.28	7.52	6.37	5.31	4.39	4.49	3.02	3.64	2.48
14	2.78	3.29	3.80	5.70	8.90	6.46	5.27	4.25	4.74	2.90	3.16	2.46
15	2.77	3.23	3.95	5.35	8.02	6.44	4.99	4.12	4.84	2.83	2.92	2.45
16	2.77	3.19	5.26	5.34	7.23	6.44	4.73	3.96	4.54	2.83	2.78	2.44
17	2.78	3.44	6.12	5.60	6.79	6.21	4.53	3.86	4.42	2.79	2.72	2.43
18	3.39	4.21	6.24	5.77	6.37	5.86	4.37	3.77	4.65	2.78	2.66	2.42
19	3.31	4.56	6.16	5.49	5.95	5.78	4.26	3.74	4.51	2.87	2.61	2.42
20	3.23	4.20	5.89	5.14	5.73	5.61	4.21	3.77	4.21	2.89	2.56	2.42
21	3.09	3.90	5.28	4.99	6.24	5.46	4.14	5.55	3.89	2.95	2.56	2.42
22	3.22	3.71	4.88	5.16	6.43	5.30	4.51	6.65	3.62	3.05	2.63	2.42
23	3.65	3.57	4.67	5.45	6.45	5.13	5.49	6.39	3.45	2.94	2.80	2.51
24	3.63	3.73	4.56	7.11	6.49	4.96	5.92	6.15	3.30	2.90	2.85	2.99
25	3.40	5.72	4.52	8.24	6.48	4.97	5.90	5.60	3.35	2.99	2.81	3.27
26	3.62	6.15	4.45	7.96	6.51	5.53	6.24	5.17	3.55	3.09	2.72	3.24
27	3.62	6.05	4.45	7.24	6.54	5.80	6.68	5.26	3.65	2.96	2.66	2.98
28	3.49	5.80	4.89	6.89	6.58	6.00	7.24	6.20	3.56	2.77	2.60	2.79
29	3.33	5.22	5.65	6.49	---	5.81	7.61	7.03	3.57	2.71	2.55	2.69
30	3.22	5.43	5.61	6.28	---	5.33	7.66	6.79	3.56	3.04	2.51	2.63
31	3.19	---	5.48	6.33	---	4.99	---	6.61	---	3.08	2.52	---
MAX	4.65	6.15	6.24	8.24	8.90	9.32	7.66	8.24	6.10	4.66	4.27	3.27
MIN	2.77	3.06	3.80	4.58	5.32	4.96	4.14	3.74	3.30	2.71	2.51	2.42

RED RIVER BASIN

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.11 ft, Mar. 8; minimum 8.32 ft, Aug. 8.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.68	9.33	9.93	9.94	11.56	13.98	10.49	10.79	10.12	9.21	8.40	8.66
2	9.77	9.30	9.92	10.02	11.37	14.04	10.20	11.08	10.16	9.20	8.39	8.65
3	9.84	9.27	9.96	10.06	11.16	14.39	10.02	11.46	10.15	9.18	8.39	8.66
4	9.84	9.24	10.02	10.08	10.98	15.12	9.96	11.69	10.09	9.16	8.38	8.64
5	9.82	9.24	10.10	10.06	10.78	16.14	10.15	11.98	10.00	9.12	8.37	8.62
6	9.79	9.23	10.12	10.01	10.62	17.35	10.29	12.65	9.89	9.10	8.35	8.60
7	9.77	9.29	10.10	9.95	10.58	17.97	10.47	13.58	9.77	9.13	8.34	8.59
8	9.74	9.30	10.05	9.92	10.62	18.10	10.80	13.95	9.66	9.10	8.35	8.59
9	9.68	9.25	9.99	9.94	10.58	18.01	11.24	13.87	9.57	9.09	8.43	8.59
10	9.60	9.25	9.94	9.98	10.57	17.82	11.85	13.55	9.51	9.07	8.49	8.60
11	9.52	9.26	9.92	10.06	10.55	17.60	12.24	13.10	9.44	9.05	8.50	8.57
12	9.46	9.27	9.90	10.17	10.72	17.30	12.39	12.60	9.37	9.03	8.50	8.55
13	9.41	9.28	9.85	10.27	11.81	17.09	12.22	12.06	9.33	9.02	8.52	8.54
14	9.37	9.30	9.78	10.31	12.78	16.89	11.94	11.54	9.32	9.00	8.55	8.53
15	9.33	9.31	9.75	10.34	13.59	16.58	11.62	11.12	9.29	8.98	8.57	8.52
16	9.30	9.30	9.87	10.37	14.08	16.27	11.28	10.77	9.26	8.96	8.61	8.51
17	9.28	9.36	9.98	10.35	14.41	15.96	10.95	10.48	9.25	8.95	8.66	8.49
18	9.29	9.38	10.01	10.34	14.70	15.72	10.66	10.24	9.25	8.91	8.68	8.48
19	9.23	9.37	9.99	10.33	14.75	15.78	10.42	10.05	9.23	8.86	8.68	8.47
20	9.20	9.36	10.00	10.29	14.55	15.58	10.23	9.92	9.22	8.82	8.68	8.46
21	9.19	9.37	10.00	10.24	14.51	15.27	10.06	10.00	9.21	8.81	8.68	8.45
22	9.22	9.35	10.00	10.26	14.30	14.90	9.96	10.02	9.22	8.76	8.68	8.43
23	9.20	9.33	9.98	10.24	14.04	14.47	9.86	10.06	9.23	8.71	8.70	8.45
24	9.20	9.38	9.97	10.36	13.83	13.97	9.73	10.16	9.23	8.67	8.69	8.52
25	9.23	9.60	9.90	10.49	13.87	13.51	9.66	10.27	9.24	8.63	8.68	8.53
26	9.29	9.58	9.86	10.72	13.96	13.19	9.86	10.28	9.29	8.58	8.68	8.50
27	9.31	9.56	9.84	11.01	14.02	12.69	9.95	10.23	9.28	8.53	8.67	8.49
28	9.32	9.56	9.80	11.46	14.02	12.19	10.08	10.17	9.26	8.48	8.66	8.48
29	9.32	9.58	9.93	11.69	---	11.70	10.22	10.06	9.25	8.43	8.66	8.47
30	9.33	9.77	9.97	11.72	---	11.25	10.47	9.95	9.23	8.43	8.65	8.47
31	9.32	---	9.93	11.68	---	10.83	---	10.03	---	8.42	8.64	---
MAX	9.84	9.77	10.12	11.72	14.75	18.10	12.39	13.95	10.16	9.21	8.70	8.66
MIN	9.19	9.23	9.75	9.92	10.55	10.83	9.66	9.92	9.21	8.42	8.34	8.43

RED RIVER BASIN

07353520 NANTACHIE LAKE NEAR ALOHA, LA

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

DRAINAGE AREA.--80.4 mi².

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.29 ft, Mar. 8; minimim, 2.47 ft, Oct. 22.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.62	2.72	3.11	3.25	3.52	3.98	---	3.72	3.28	3.17	3.10	2.89
2	2.63	2.72	3.16	3.23	3.42	3.83	---	3.55	3.23	3.13	3.07	2.88
3	2.63	2.70	3.17	3.21	3.36	3.75	---	3.45	3.19	3.10	3.04	2.94
4	2.62	2.68	3.16	3.19	3.33	3.72	---	3.35	3.16	3.07	3.02	2.95
5	2.62	2.67	3.14	3.19	3.29	3.84	---	3.29	3.14	3.04	3.01	2.93
6	2.61	2.67	3.13	3.18	3.25	4.24	---	3.26	3.11	3.02	3.01	2.91
7	2.60	2.71	3.13	3.17	3.27	4.85	---	3.23	3.09	3.05	2.99	2.89
8	2.60	2.73	3.11	3.16	3.44	5.23	---	3.20	3.07	3.09	3.00	2.88
9	2.59	2.71	3.09	3.17	3.53	5.25	---	3.19	3.07	3.17	3.16	2.87
10	2.58	2.70	3.06	3.18	3.56	4.95	---	3.17	3.07	3.15	3.32	2.87
11	2.56	2.69	3.06	3.17	3.49	4.48	---	3.14	3.07	3.13	3.25	2.86
12	2.55	2.69	3.06	3.16	3.62	3.97	---	3.13	3.06	3.11	3.18	2.83
13	2.54	2.68	3.06	3.18	4.50	3.80	---	3.11	3.07	3.08	3.14	2.81
14	2.53	2.68	3.05	3.18	4.74	---	---	3.10	3.08	3.06	3.10	2.80
15	2.52	2.67	3.06	3.18	4.43	---	---	3.09	3.06	3.04	3.07	2.78
16	2.52	2.66	3.26	3.24	4.08	---	---	3.07	3.05	3.02	3.04	2.77
17	2.50	2.69	3.49	3.25	3.82	---	---	3.06	3.08	3.00	3.02	2.76
18	2.54	2.72	3.58	3.25	3.64	---	---	3.05	3.11	2.98	3.01	2.74
19	2.51	2.73	3.54	3.23	3.53	---	---	3.07	3.11	2.97	3.00	2.73
20	2.50	2.73	3.43	3.21	3.45	---	---	3.11	3.11	2.96	2.98	2.72
21	2.49	2.74	3.34	3.19	3.62	---	---	3.46	3.09	2.94	2.97	2.70
22	2.50	2.74	3.29	3.22	3.67	---	3.22	3.72	3.07	2.93	2.97	2.69
23	2.50	2.73	3.26	3.23	3.65	---	3.21	3.62	3.06	2.91	3.01	2.68
24	2.49	2.73	3.25	3.26	3.60	---	3.19	3.50	3.04	2.92	2.99	2.75
25	2.54	2.81	3.22	3.26	3.81	---	3.19	3.43	3.02	2.93	2.98	2.78
26	2.63	2.82	3.20	3.24	4.05	---	3.39	3.35	3.04	2.91	2.96	2.78
27	2.68	2.82	3.21	3.23	4.37	---	3.69	3.29	3.06	2.90	2.95	2.76
28	2.70	2.82	3.21	3.71	4.18	---	3.91	3.35	3.10	2.89	2.94	2.75
29	2.70	2.82	3.22	3.84	---	---	3.91	3.42	3.20	2.90	2.93	2.74
30	2.72	2.94	3.22	3.78	---	---	3.85	3.36	3.21	3.16	2.92	2.73
31	2.72	---	3.25	3.67	---	---	---	3.33	---	3.14	2.90	---
MAX	2.72	2.94	3.58	3.84	4.74	---	---	3.72	3.28	3.17	3.32	2.95
MIN	2.49	2.66	3.05	3.16	3.25	---	---	3.05	3.02	2.89	2.90	2.68

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, 10,500 ft³/s, Feb. 13, gage height, 16.98 ft; minimum gage height was 3.80 ft, Sep. 22, 23.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.57	8.07	6.03	6.51	8.85	5.75	6.43	7.40	4.47	4.62	3.98
2	---	4.47	6.39	5.77	6.27	8.71	5.62	6.03	5.74	4.33	4.34	3.96
3	4.28	4.35	5.66	5.60	6.08	8.76	5.51	5.79	5.18	4.25	4.17	3.96
4	4.24	4.27	5.31	5.47	5.98	7.82	5.62	5.57	4.93	4.18	4.07	3.99
5	4.20	4.23	5.12	5.34	5.92	7.33	11.78	5.42	4.78	4.13	4.01	4.00
6	4.17	4.20	5.00	5.19	5.71	7.06	10.50	5.33	4.71	4.13	4.24	3.97
7	4.15	4.20	4.90	5.16	6.24	6.79	7.47	5.26	4.67	6.80	4.61	3.96
8	4.12	4.25	4.81	5.27	10.02	6.59	6.63	5.18	4.62	5.59	4.38	3.94
9	4.10	4.29	4.71	5.80	7.48	6.47	6.31	5.11	5.32	5.01	7.95	3.93
10	4.08	4.29	4.65	6.05	6.70	6.37	6.07	5.05	5.40	6.61	10.48	3.92
11	4.06	4.26	4.62	5.59	6.38	6.29	5.94	4.98	4.89	5.61	7.53	3.92
12	4.04	4.22	4.59	5.29	9.26	6.30	11.88	4.90	4.71	4.85	5.79	3.91
13	4.02	4.19	4.57	5.29	16.86	12.47	8.54	4.86	4.64	4.67	6.47	3.89
14	4.01	4.16	4.55	5.49	12.18	10.38	6.99	4.80	4.59	4.51	5.46	3.88
15	4.00	4.14	4.64	6.07	8.94	7.90	6.43	4.76	4.55	4.35	4.94	3.88
16	4.00	4.13	9.81	9.48	8.01	7.11	6.11	4.73	4.51	4.27	4.74	3.87
17	4.00	4.27	12.10	7.31	7.49	6.77	5.89	4.71	4.64	4.20	4.64	3.86
18	4.03	6.51	7.88	6.39	7.17	6.60	5.71	4.70	5.64	4.14	4.51	3.85
19	4.05	5.50	6.60	5.98	6.95	7.07	5.60	4.78	5.10	4.10	4.40	3.84
20	4.05	5.00	6.05	5.76	7.42	6.99	5.54	5.19	4.92	4.06	4.33	3.83
21	4.04	4.76	5.77	5.62	14.31	6.55	5.46	6.09	4.87	4.03	4.27	3.82
22	4.04	4.59	5.62	7.50	10.11	6.28	5.42	6.70	4.64	5.75	4.21	3.81
23	4.04	4.47	5.53	8.13	8.02	6.08	5.52	5.59	4.49	4.64	4.30	3.84
24	4.04	4.50	5.52	9.25	7.50	5.92	5.44	5.26	4.40	4.37	4.81	4.23
25	4.25	8.82	5.53	7.32	15.51	6.09	5.33	5.77	4.37	4.20	4.54	5.11
26	6.54	6.56	5.53	6.31	13.75	11.38	10.70	5.45	4.43	4.10	4.31	4.62
27	6.10	5.62	7.68	5.98	13.02	8.31	11.36	5.02	4.43	4.03	4.18	4.30
28	5.18	5.20	7.03	13.46	9.81	7.03	11.22	4.98	5.19	3.97	4.11	4.10
29	4.76	4.99	6.75	9.81	---	6.50	8.36	5.88	5.04	3.94	4.06	3.99
30	4.61	7.73	7.56	7.55	---	6.14	7.10	5.16	4.70	5.51	4.02	3.91
31	4.57	---	6.52	6.87	---	5.92	---	7.60	---	5.06	4.00	---
MAX	---	8.82	12.10	13.46	16.86	12.47	11.88	7.60	7.40	6.80	10.48	5.11
MIN	---	4.13	4.55	5.16	5.71	5.92	5.33	4.70	4.37	3.94	4.00	3.81

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA

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

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

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

PERIOD OF DAILY RECORD.--

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

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

CHLORIDE: October 1974 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1982.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 μM-MF (COLS./100 ML) (31625)
OCT 1996											
30...	1530	390	7.65	20.5	240	170	7.0	19	2.0	--	K80
DEC											
03...	1550	211	7.62	12.0	60	100	9.4	21	2.9	--	--
30...	1555	417	7.33	--	30	52	8.5	17	0.8	860	400
JAN 1997											
29...	1550	275	7.45	9.0	--	--	10.8	26	3.0	2700	790
FEB											
26...	1455	293	7.72	13.0	100	180	9.1	17	1.4	4800	280
MAR											
24...	1600	293	7.51	17.0	70	55	7.8	29	1.0	230	K24
APR											
22...	1535	333	7.55	19.0	--	<1.0	9.1	23	--	240	K20
MAY											
29...	1100	819	7.45	23.0	30	34	7.0	20	--	<10	--
JUN											
25...	1530	868	7.57	28.0	15	15	7.1	17	1.5	K20	<4
JUL											
22...	1445	862	7.77	32.0	15	1.3	7.6	15	1.8	<1	--
AUG											
26...	1545	1020	7.95	29.0	5	<1.0	6.5	15	0.3	--	K12
SEP											
18...	1650	1270	7.82	29.0	10	<1.0	--	19	--	260	K16

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

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

RED RIVER BASIN
07355500 RED RIVER AT ALEXANDRIA, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT 1996										
30...	K10	100	29	7.8	32	3.2	70	43	47	0.1
DEC										
03...	K100	66	20	4.0	12	2.6	59	17	16	0.1
30...	350	100	29	7.7	37	3.0	55	56	55	0.1
JAN 1997										
29...	580	72	20	5.4	22	2.9	58	30	30	<0.1
FEB										
26...	400	81	24	5.0	--	2.2	58	33	30	0.1
MAR										
24...	K60	85	24	6.0	23	2.2	50	35	32	<0.1
APR										
22...	K40	100	29	6.6	27	2.8	63	44	38	0.1
MAY										
29...	84	220	60	18	77	3.8	96	130	110	0.2
JUN										
25...	K32	210	58	17	84	3.7	87	140	120	0.2
JUL										
22...	K2	220	57	18	81	3.8	108	130	120	0.2
AUG										
26...	K4	260	69	22	95	4.1	130	160	140	0.2
SEP										
18...	K1	320	83	28	120	4.8	152	210	180	0.3
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 1996										
30...	236	204	20	0.06	0.17	0.09	0.92	0.20	0.17	12
DEC										
03...	138	107	380	0.02	0.16	0.09	1.1	0.29	0.09	13
30...	248	221	64	0.02	0.21	0.06	0.57	0.10	0.10	8.0
JAN 1997										
29...	--	145	91	0.01	0.19	0.11	0.80	0.14	0.07	13
FEB										
26...	162	149	360	0.04	0.18	0.08	1.0	0.20	0.11	7.0
MAR										
24...	174	152	85	0.01	0.18	0.03	0.64	0.09	0.06	10
APR										
22...	210	185	82	0.02	0.21	0.03	0.67	0.09	0.05	8.2
MAY										
29...	484	457	50	0.01	0.25	0.01	E0.65	0.10	0.05	8.7
JUN										
25...	514	475	36	<0.01	0.25	0.03	0.57	0.08	0.03	7.4
JUL										
22...	512	475	6	<0.01	0.03	0.01	0.54	0.04	0.02	7.4
AUG										
26...	622	568	8	<0.01	<0.02	<0.01	0.45	<0.02	--	5.8
SEP										
18...	772	717	5	<0.01	<0.02	0.03	0.69	0.06	0.03	6.1

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.

E Estimated.

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

		ARSENIC TOTAL (µG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (µG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)		
OCT 1996 30...		4	<0.5	<1	5	6	4800	5	230		
JAN 1997 29...		1	<0.5	<1	2	2	2800	2	80		
APR 22...		3	<0.5	<1	2	6	2000	2	96		
JUL 22...		2	<0.5	<1	<1	1	190	<1	46		
DATE		MERCURY TOTAL RECOV- ERABLE (µG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	SELE- NIUM, TOTAL (µG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (µG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)			
OCT 1996 30...		<0.1	7	<1	20	<0.01	--	--			
JAN 1997 29...		<0.1	5	<1	10	<0.01	<1	2			
APR 22...		<0.1	3	<1	9	<0.01	<1	<1			
JUL 22...		<0.1	<1	1	2	<0.01	<4	<1			
DATE	CHLOR- PYRIFOS TOTAL RECOVER (µG/L) (38932)	DISUL- FOTON UNFILT RECOVER (µG/L) (39011)	PHORATE TOTAL (µG/L) (39023)	PER- THANE TOTAL (µG/L) (39034)	DEF TOTAL (µG/L) (39040)	PCNS UNFILT RECOVER (µG/L) (39250)	ALDRIN, TOTAL (µG/L) (39330)	LINDANE TOTAL (µG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (µG/L) (39350)	P,P'- DDD UNFILT RECOVER (µG/L) (39360)	P,P'- DDE, TOTAL (µG/L) (39365)
OCT 1996 30...	<0.01	--	--	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
FEB 1997 26...	<0.01	--	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
MAY 29...	<0.01	--	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
JUN 25...	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
AUG 26...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01
DATE	P,P'- DDT UNFILT RECOVER (µG/L) (39370)	DI- ELDRIN TOTAL (µG/L) (39380)	ENDO- SULFAN, I TOTAL (µG/L) (39388)	ENDRIN WATER UNFLTRD REC (µG/L) (39390)	ETHION, TOTAL (µG/L) (39398)	TOX- APHENE, TOTAL (µG/L) (39400)	HEPTA- CHLOR, TOTAL (µG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L) (39420)	METH- OXY- CHLOR, TOTAL (µG/L) (39480)	PCB, TOTAL (µG/L) (39516)	MALA- THION, TOTAL (µG/L) (39530)
OCT 1996 30...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	--
FEB 1997 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	<0.01
MAY 29...	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	<0.01
JUN 25...	<0.01	<0.01	<0.01	<0.01	<0.02	<1	<0.01	<0.01	<0.01	<0.1	<0.02
AUG 26...	<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 1996 TO SEPTEMBER 1997

DATE	PARA- THION, TOTAL (µG/L) (39540)	DI- AZINON, TOTAL (µG/L) (39570)	METHYL PARA- THION, TOTAL (µG/L) (39600)	2,4-D, TOTAL (µG/L) (39730)	2,4,5-T TOTAL (µG/L) (39740)	MIREX, TOTAL (µG/L) (39755)	SILVEX, TOTAL (µG/L) (39760)	TOTAL TRI- THION (µG/L) (39786)	2, 4-DP TOTAL (µG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (µG/L) (82614)
OCT 1996										
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01
FEB 1997										
26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY										
29...	<0.01	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN										
25...	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02
AUG										
26...	<0.01	<0.01	<0.01	0.03	<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

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

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

DRAINAGE AREA.--10,787 mi².

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

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

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

REMARKS.--Estimated daily discharges. Records fair except for periods of indefinite stage-discharge relationship, June 13-19, and a period of no base gage-height record Aug. 11-22, which are poor. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 35.88 ft, Mar. 21; minimum daily discharge, 979 ft³/s, Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8960	8350									1800	1320
2	6820	8750									1780	1360
3	5850	8420									2210	1360
4	4940	8490									1760	1850
5	4210	9250								16400	1170	2360
6	3680	9340								14800	1460	1520
7	3300	9370								12200	1890	2120
8	3270	9410								9660	2070	1540
9	2620	10400								8110	2450	2180
10	2110	12800								4690	2330	1460
11	1900	14100								4140	e2150	1390
12	1480	13600							14000	2770	e2350	1390
13	1640	13200							e11500	3180	e2090	1380
14	1530	12400							e9350	2500	e1890	1380
15	1560	11800							e7750	4030	e1630	1370
16	1610	10500							e5900	4230	e2100	1380
17	1580	9790							e4350	3050	e1800	1410
18	1420	9570							e6300	3500	e2120	1390
19	1530	9340							e10000	3200	e1700	1380
20	1550	9640								3770	e2210	1420
21	2130	10600								4100	e2000	1330
22	2930	10400								3190	e2700	1350
23	3080	10200								2450	2160	1450
24	5740	10500								3890	1800	1530
25	9040	11000								3270	1920	1530
26	10600	12200								2810	1490	1340
27	10500	14500								4230	1420	1640
28	10100	17200								3940	2070	1390
29	9240									4250	2480	1320
30	7990									4170	2260	1420
31	8500									3430	2350	
TOTAL	141410										61610	45260
MEAN	4562										1987	1509
MAX	10600										2700	2360
MIN	1420										1170	1320

e Estimated

RED RIVER BASIN

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

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.61	12.85	20.70	24.74	24.22	28.56	33.93	20.85	26.19	20.15	8.29	7.98
2	12.47	13.09	21.17	24.68	24.36	29.12	33.54	20.59	25.78	20.20	8.29	8.04
3	11.84	12.90	21.83	24.56	24.41	29.98	33.13	20.88	25.27	19.95	8.61	8.03
4	11.26	12.93	21.97	24.34	24.40	30.75	32.76	20.77	24.58	18.86	8.25	8.44
5	10.71	13.38	22.20	24.05	24.24	31.45	32.72	20.69	23.82	17.70	7.76	8.83
6	10.29	13.44	22.39	23.70	24.06	32.11	32.89	20.60	23.02	16.78	8.03	8.15
7	9.91	13.47	22.57	23.42	23.96	32.76	33.08	20.51	22.24	15.40	8.50	8.68
8	9.78	13.50	22.73	23.21	24.01	33.36	33.26	20.41	21.55	13.93	8.70	8.17
9	9.26	14.05	22.93	23.14	24.06	33.88	33.56	20.39	20.77	12.93	9.00	8.71
10	8.83	15.41	23.17	23.03	24.14	34.30	33.97	20.43	20.12	10.72	8.88	8.11
11	8.61	16.15	23.41	22.99	24.23	34.64	34.41	20.29	19.39	10.19	---	8.06
12	8.24	15.89	23.67	22.98	24.35	34.90	34.77	20.21	18.44	9.17	---	8.06
13	8.41	15.69	23.91	22.96	24.81	35.17	35.06	20.28	17.60	9.46	---	8.05
14	8.29	15.28	24.14	22.96	25.31	35.37	35.33	20.23	16.87	8.96	---	8.05
15	8.32	14.91	24.35	22.97	25.75	35.48	35.51	20.19	16.14	10.03	---	8.05
16	8.38	14.19	24.58	22.98	26.16	35.58	35.60	20.21	15.48	10.18	---	8.05
17	8.30	13.76	24.83	22.86	26.51	35.68	35.57	20.14	14.90	9.31	---	8.10
18	8.17	13.61	24.94	22.69	26.80	35.76	35.47	20.05	16.72	9.62	---	8.06
19	8.26	13.47	24.96	22.46	27.05	35.82	35.31	23.64	19.39	9.39	---	8.05
20	8.28	13.63	24.91	22.22	27.25	35.83	35.08	31.41	19.98	9.72	---	8.09
21	8.72	14.15	24.79	21.96	27.57	35.86	34.76	30.95	21.17	10.03	---	7.99
22	9.36	14.09	24.73	21.67	27.75	35.84	33.35	30.51	21.61	9.37	8.91	8.03
23	9.42	13.94	24.68	21.26	27.86	35.77	22.99	30.04	21.69	8.79	8.67	8.12
24	11.17	14.10	24.60	21.68	27.93	35.70	21.91	29.61	21.80	9.88	8.38	8.19
25	13.22	14.42	24.52	22.00	27.99	35.60	21.67	29.19	21.85	9.44	8.48	8.16
26	14.15	15.09	24.43	22.37	28.10	35.50	21.59	28.73	21.64	9.06	8.13	8.00
27	14.12	16.40	24.36	22.75	28.25	35.35	21.43	28.27	21.27	10.09	8.10	8.25
28	13.92	17.86	24.41	23.09	28.40	35.19	21.37	27.82	20.70	9.90	8.58	8.05
29	13.40	18.94	24.52	23.43	---	34.95	21.47	27.36	20.49	10.10	8.94	7.98
30	12.65	20.24	24.66	23.75	---	34.67	21.28	26.89	20.32	10.07	8.74	8.10
31	12.93	---	24.74	24.02	---	34.31	---	26.57	---	9.54	8.83	---
MAX	14.15	20.24	24.96	24.74	28.40	35.86	35.60	31.41	26.19	20.20	---	8.83
MIN	8.17	12.85	20.70	21.26	23.96	28.56	21.28	20.05	14.90	8.79	---	7.98

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

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

DRAINAGE AREA.--1,187 mi².

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

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

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

AVERAGE DISCHARGE.--40 years, 1,356 ft³/s, 982,400 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 6,450 ft³/s, Mar. 21, gage height not determined; maximum gage height, 26.08 ft, Mar. 22; minimum daily discharge, 56 ft³/s, Sep. 26, 28, 29, 30; minimum gage height, 1.10 ft, Sep. 26, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e400	352	844	1990	3520	4050	e5500	e4080	e2370	e1320	111	204
2	e1000	345	1000	2090	3490	4290	e5300	e4150	e2250	e1340	99	188
3	e1200	338	1230	2160	3480	4610	e5100	e4250	e2180	e1350	92	171
4	1210	350	1420	2190	3470	4750	e4900	e4330	e2080	e1360	82	159
5	1130	387	1560	2230	3480	5030	e4700	e4400	e1950	e1370	77	152
6	1040	453	1680	2200	3470	5360	e4550	e4450	e1900	e1360	87	144
7	914	545	1780	2220	3520	5570	e4300	e4500	e1820	e1350	94	134
8	773	645	1840	2200	3630	5710	e4200	e4550	e1750	e1320	108	127
9	622	716	1850	2230	3650	5830	e4000	e4600	e1700	e1280	131	127
10	487	781	1810	2230	3700	5960	e3920	e4620	e1650	e1230	157	134
11	390	840	1750	2260	3720	e6050	e3850	e4640	e1620	e1180	182	130
12	325	888	1690	2310	3800	e6100	e3800	e4620	e1600	e1100	192	117
13	278	917	1630	2400	4080	e6150	e3750	e4600	e1580	e1040	194	102
14	239	935	1530	2480	4190	e6200	e3700	e4550	e1540	e970	215	89
15	219	931	1460	2570	4190	e6250	e3720	e4500	e1500	e890	206	79
16	209	909	1460	2660	4230	e6270	e3770	e4400	e1430	e810	203	75
17	200	887	1490	2710	4270	e6300	e3780	e4250	e1400	e730	201	72
18	189	863	1470	2700	4270	e6320	e3790	e4200	e1350	e660	194	69
19	176	824	1460	2690	4250	e6370	e3800	e4150	e1280	e580	181	65
20	165	782	1490	2650	4180	e6400	e3810	e4190	e1220	e510	171	61
21	156	738	1520	2620	4250	e6450	e3840	e4100	e1160	e460	168	60
22	151	694	1560	2620	4190	e6400	e3880	e3950	e1100	e360	169	59
23	146	646	1590	2630	4110	e6380	e3870	e3750	e1040	e300	169	59
24	141	600	1630	2800	4000	e6300	e3790	e3550	e1020	e265	175	62
25	136	564	1630	2890	3960	e6280	e3780	e3340	e1060	e235	185	62
26	239	526	1630	2920	3950	e6240	e3750	e3100	e1100	201	198	58
27	299	496	1690	2980	4050	e6180	e3800	e3000	e1150	182	209	57
28	311	475	1690	3250	4060	e6050	e3900	e2900	e1190	164	212	57
29	341	459	1730	3460	---	e6000	e4000	e2800	e1240	143	214	56
30	358	613	1820	3500	---	e5920	e4000	e2650	e1280	133	214	56
31	360	---	1900	3520	---	e5700	---	e2470	---	124	213	---
TOTAL	13804	19499	48834	80360	109160	181470	122850	123640	45510	24317	5103	2985
MEAN	445	650	1575	2592	3899	5854	4095	3988	1517	784	165	99.5
MAX	1210	935	1900	3520	4270	6450	5500	4640	2370	1370	215	204
MIN	136	338	844	1990	3470	4050	3700	2470	1020	124	77	56
AC-FT	27380	38680	96860	159400	216500	359900	243700	245200	90270	48230	10120	5920
CAL YR 1996	TOTAL 245155		MEAN 670		MAX 2410		MIN 41		AC-FT 486300			
WTR YR 1997	TOTAL 777532		MEAN 2130		MAX 6450		MIN 56		AC-FT 1542000			

e Estimated

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.77	8.38	14.85	20.21	21.47	---	---	---	---	1.97	3.33
2	---	4.70	9.30	15.27	20.13	22.03	---	---	---	---	1.77	3.15
3		4.64	10.42	15.58	20.03	22.81	---	---	---	11.33	1.63	2.94
4	11.32	4.75	11.48	15.72	19.94	23.45	---	---	---	11.42	1.45	2.75
5	11.16	5.06	12.33	15.81	19.81	24.12	---	---	---	11.45	1.35	2.65
6	10.69	5.60	12.95	15.72	19.67	24.56	---	---	---	11.44	1.53	2.53
7	9.95	6.27	13.39	15.68	19.67	24.81	---	---	---	11.39	1.67	2.38
8	8.99	6.97	13.66	15.63	19.93	25.02	---	---	---	11.28	1.92	2.27
9	7.87	7.45	13.75	15.70	19.98	25.17	---	---	---	11.12	2.32	2.28
10	6.71	7.88	13.69	15.72	20.03	---	---	---	---	10.88	2.73	2.39
11	5.62	8.26	13.51	15.77	20.10	---	---	---	---	10.61	3.09	2.33
12	4.73	8.57	13.24	15.91	20.26	---	---	---	---	10.32	3.20	2.13
13	4.10	8.80	12.89	16.10	21.04	---	---	---	---	9.93	3.22	1.89
14	3.71	8.93	12.64	16.31	21.43	---	---	---	---	9.50	3.45	1.68
15	3.50	8.95	12.36	16.54	21.65	---	---	---	---	9.03	3.36	1.52
16	3.38	8.88	12.33	16.80	21.86	---	---	---	---	8.52	3.32	1.45
17	3.28	8.76	12.55	16.91	22.01	---	---	---	---	7.99	3.30	1.40
18	3.16	8.62	12.27	16.93	22.07	---	---	---	---	7.44	3.22	1.34
19	3.01	8.41	12.10	16.90	22.03	---	---	---	---	6.83	3.07	1.26
20	2.85	8.16	12.16	16.84	21.89	---	---	---	---	6.20	2.94	1.20
21	2.71	7.87	12.34	16.74	21.98	---	---	---	---	5.56	2.90	1.17
22	2.63	7.55	12.53	16.74	21.87	---	---	---	---	4.89	2.90	1.15
23	2.57	7.23	12.69	16.77	21.65	---	---	---	---	4.30	2.90	1.16
24	2.48	6.89	12.82	17.75	21.45	---	---	---	---	3.95	3.00	1.21
25	2.39	6.58	12.84	18.20	21.33	---	---	---	---	3.64	3.12	1.21
26	3.69	6.27	12.84	18.45	21.28	---	---	---	---	3.30	3.27	1.15
27	4.36	6.01	13.21	18.81	21.42	---	---	---	---	3.07	3.38	1.13
28	4.47	5.79	13.31	19.55	21.46	---	---	---	---	2.84	3.42	1.12
29	4.67	5.65	13.54	20.01	---	---	---	---	---	2.51	3.44	1.11
30	4.81	6.79	14.01	20.19	---	---	---	---	---	2.36	3.44	1.10
31	4.84	---	14.42	20.24	---	---	---	---	---	2.19	3.43	---
MAX	---	8.95	14.42	20.24	22.07	---	---	---	---	---	3.45	3.33
MIN	---	4.64	8.38	14.85	19.67	---	---	---	---	---	1.35	1.10

RED RIVER BASIN

07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

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

DRAINAGE AREA.--133 mi².

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

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

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft sluice gates in upstream face of drop inlet. Invert of sluice gates at -24.75 ft, gage datum, capacity, 100,000 acre-ft to 9.0 ft, gage datum. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates opened Oct. 1, 1996 to Jan. 21, 1997.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.10 ft, Mar 2; minimum, 1.55 ft, Oct. 21, 22.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.23	1.72	3.06	3.08	4.42	10.06	9.70	10.36	9.54	9.33	8.98	8.79
2	3.02	1.74	2.85	3.14	4.49	12.17	9.67	10.61	9.50	9.31	8.96	8.80
3	2.80	1.72	2.63	3.18	4.56	12.77	9.64	11.53	9.46	9.29	8.95	8.79
4	2.57	1.69	2.40	3.24	4.65	12.04	9.92	11.19	9.44	9.27	8.93	8.77
5	2.32	1.69	2.18	3.33	4.70	11.52	11.68	10.85	9.41	9.23	8.91	8.75
6	2.08	1.68	1.97	3.39	4.74	11.24	11.85	10.60	9.39	9.23	8.88	8.73
7	1.86	1.85	1.91	3.54	4.98	10.96	11.37	10.40	9.36	9.35	8.86	8.71
8	1.82	2.04	1.90	3.66	5.39	10.70	10.97	10.25	9.35	9.40	8.89	8.72
9	1.85	2.06	1.89	4.00	5.60	10.51	10.68	10.12	9.37	9.39	8.97	8.71
10	1.83	2.06	1.89	4.07	5.73	10.38	10.45	10.02	9.49	9.37	8.97	8.73
11	1.80	2.05	1.89	3.89	5.82	10.26	10.30	9.93	9.51	9.34	8.98	8.71
12	1.78	2.05	1.88	3.66	6.16	10.17	10.21	9.86	9.50	9.32	8.97	8.68
13	1.76	2.05	1.87	3.40	7.70	10.25	10.09	9.79	9.50	9.30	8.97	8.66
14	1.74	2.05	1.86	3.13	8.51	10.32	9.99	9.74	9.50	9.27	8.95	8.65
15	1.72	2.04	1.85	2.95	8.79	10.24	9.92	9.68	9.50	9.25	8.94	8.63
16	1.69	2.01	1.94	2.79	8.95	10.15	9.86	9.64	9.56	9.24	8.91	8.62
17	1.68	2.06	2.05	2.55	9.05	10.08	9.80	9.61	9.57	9.22	8.90	8.61
18	1.67	2.09	2.17	2.41	9.15	10.04	9.75	9.57	9.57	9.20	8.89	8.60
19	1.63	2.10	2.19	2.31	9.23	10.03	9.71	9.54	9.53	9.19	8.87	8.58
20	1.60	2.11	2.16	2.20	9.33	9.98	9.67	9.52	9.50	9.18	8.87	8.57
21	1.57	2.12	2.14	2.11	9.64	9.93	9.64	9.54	9.47	9.17	8.90	8.55
22	1.72	2.10	2.14	2.13	9.75	9.88	9.76	9.53	9.43	9.16	8.90	8.53
23	1.72	2.10	2.16	2.26	9.78	9.83	9.90	9.50	9.41	9.13	8.91	8.53
24	1.69	2.12	2.23	2.96	9.77	9.78	9.86	9.52	9.39	9.11	8.89	8.56
25	1.68	2.41	2.22	3.49	9.79	9.81	9.81	9.61	9.39	9.10	8.88	8.55
26	1.71	2.57	2.26	3.72	9.88	9.89	10.06	9.63	9.40	9.09	8.87	8.52
27	1.71	2.63	2.37	3.87	10.02	9.88	10.19	9.61	9.40	9.07	8.85	8.51
28	1.71	2.67	2.46	4.05	10.04	9.87	10.51	9.61	9.39	9.05	8.84	8.50
29	1.72	2.75	2.63	4.17	---	9.82	10.62	9.61	9.37	9.04	8.82	8.48
30	1.70	3.05	2.89	4.27	---	9.80	10.52	9.59	9.35	9.03	8.81	8.47
31	1.68	---	3.02	4.35	---	9.74	---	9.57	---	9.01	8.80	---
MAX	3.23	3.05	3.06	4.35	10.04	12.77	11.85	11.53	9.57	9.40	8.98	8.80
MIN	1.57	1.68	1.85	2.11	4.42	9.74	9.64	9.50	9.35	9.01	8.80	8.47

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in NW 1/4 sec. 1, T. 22 N., R. 3 W., Union Parish, Hydrologic Unit 08040206, left bank on downstream side of bridge on State Highway 15, 1.4 mi east of Lillie, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--208 mi².

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

REVISED RECORDS.--WDR LA-79-1: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft above sea level. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956 to May 31, 1978, water-stage recorder, at site 500 ft downstream at same datum.

REMARKS.--Records good above 100 cfs and fair below except for estimated discharge, which is poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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. 11	1200	1,400	7.57	Apr. 6	1100	*8,930	11.58
Jan. 26	0100	1,740	7.83	Apr. 28	2300	2,150	8.12
Feb. 15	0400	3,130	8.79	May 3	0200	1,430	7.57
Mar. 2	2300	7,100	10.82	June 2	0900	2,010	8.01

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	795	55	766	e380	221	696	91	1070	967	68	15	17
2	503	135	910	e280	160	5330	80	895	1890	51	14	76
3	190	140	1090	e220	129	6820	68	1390	1170	35	14	57
4	58	100	878	e170	133	4580	147	932	605	28	12	31
5	40	80	648	e210	158	2360	3490	1150	284	23	11	22
6	33	68	435	335	190	1830	8210	1000	150	20	10	18
7	28	100	232	459	338	931	4420	582	181	20	9.5	16
8	25	270	140	670	723	763	1690	311	214	24	10	15
9	23	330	112	1110	788	731	819	145	174	24	17	16
10	20	292	96	1340	956	549	511	98	399	21	27	18
11	20	285	83	1390	864	407	314	77	485	19	41	18
12	18	244	76	1130	717	313	191	64	264	17	61	16
13	14	125	71	684	1910	415	173	55	154	16	113	14
14	13	79	66	424	2520	673	161	49	133	15	218	13
15	13	65	64	269	2870	710	142	44	109	14	410	14
16	13	55	133	293	1610	836	111	41	78	14	176	13
17	12	52	332	297	841	722	93	39	68	14	71	12
18	31	62	392	289	547	523	80	38	103	13	40	12
19	60	75	386	277	367	390	70	38	129	12	29	11
20	40	92	384	213	256	333	63	39	96	15	25	11
21	30	99	366	158	499	356	59	72	62	16	23	10
22	44	86	239	180	738	512	134	162	46	13	22	10
23	140	73	144	211	650	461	295	160	37	12	29	10
24	158	70	147	946	656	305	298	111	32	11	34	11
25	204	274	186	1600	603	195	294	98	27	11	30	13
26	303	473	209	1660	478	258	482	178	31	12	27	15
27	373	566	394	1280	562	325	792	524	68	11	24	17
28	194	736	565	830	609	355	1740	749	42	10	21	17
29	88	808	e625	601	---	302	1880	459	64	9.9	18	16
30	62	739	e700	435	---	202	1390	224	62	15	16	17
31	51	---	e500	319	---	124	---	307	---	20	15	---
TOTAL	3596	6628	11369	18660	21093	33307	28288	11101	8124	603.9	1582.5	556
MEAN	116	221	367	602	753	1074	943	358	271	19.5	51.0	18.5
MAX	795	808	1090	1660	2870	6820	8210	1390	1890	68	410	76
MIN	12	52	64	158	129	124	59	38	27	9.9	9.5	10
AC-FT	7130	13150	22550	37010	41840	66060	56110	22020	16110	1200	3140	1100
CFSM	.56	1.06	1.76	2.89	3.62	5.17	4.53	1.72	1.30	.09	.25	.09
IN.	.64	1.19	2.03	3.34	3.77	5.96	5.06	1.99	1.45	.11	.28	.10

e Estimated

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1997, BY WATER YEAR (WY)

MEAN	56.7	150	251	327	414	383	412	252	164	76.1	32.1	43.6
MAX	660	977	1112	1140	1256	1074	2764	852	1391	985	202	464
(WY)	1985	1958	1983	1974	1975	1997	1991	1991	1974	1989	1996	1974
MIN	.45	8.88	20.7	40.7	58.5	48.3	49.8	11.5	3.40	1.19	1.49	.54
(WY)	1988	1996	1957	1967	1964	1966	1981	1988	1966	1988	1956	1987
SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1956 - 1997					
ANNUAL TOTAL	53083.2			144908.4								
ANNUAL MEAN	145			397								
HIGHEST ANNUAL MEAN							212					
LOWEST ANNUAL MEAN							502					
HIGHEST DAILY MEAN	1760			Sep 28			8210					
LOWEST DAILY MEAN	1.9			May 27			Apr 6					
ANNUAL SEVEN-DAY MINIMUM	2.4			May 25			20000					
INSTANTANEOUS PEAK FLOW							8930					
INSTANTANEOUS PEAK STAGE							11.58					
INSTANTANEOUS LOW FLOW							9.1					
INSTANTANEOUS LOW STAGE							2.03					
ANNUAL RUNOFF (AC-FT)	105300			287400			153700					
ANNUAL RUNOFF (CFSM)	.70			1.91			1.02					
ANNUAL RUNOFF (INCHES)	9.49			25.92			13.85					
10 PERCENT EXCEEDS	389			901			539					
50 PERCENT EXCEEDS	59			140			52					
90 PERCENT EXCEEDS	9.2			14			4.6					

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.82	3.47	6.77	---	5.32	6.68	4.39	7.22	6.99	3.84	2.50	2.43
2	6.21	4.57	7.00	---	4.99	9.93	4.25	6.99	7.93	3.53	2.45	3.76
3	4.99	4.64	7.23	---	4.77	10.70	4.07	7.54	7.31	3.17	2.43	3.45
4	3.85	4.17	6.95	---	4.80	9.61	4.59	7.05	6.49	2.96	2.35	2.91
5	3.50	3.89	6.55	---	4.98	8.27	8.78	7.30	5.57	2.80	2.29	2.63
6	3.31	3.71	6.03	5.79	5.17	7.88	11.28	7.13	4.85	2.71	2.22	2.47
7	3.17	4.12	5.27	6.17	5.74	7.08	9.50	6.45	5.10	2.71	2.18	2.39
8	3.09	5.45	4.64	6.65	6.76	6.85	7.76	5.69	5.30	2.85	2.22	2.35
9	3.01	5.71	4.32	7.29	6.89	6.79	6.89	4.78	5.04	2.86	2.56	2.35
10	2.92	5.56	4.13	7.51	7.13	6.40	6.29	4.27	5.97	2.74	2.94	2.48
11	2.93	5.53	3.94	7.56	7.00	6.02	5.71	3.98	6.22	2.66	3.32	2.45
12	2.86	5.35	3.83	7.31	6.74	5.71	5.16	3.78	5.51	2.60	3.72	2.37
13	2.74	4.46	3.75	6.69	7.94	6.02	5.04	3.62	4.88	2.53	4.44	2.29
14	2.69	3.88	3.68	6.06	8.39	6.67	4.95	3.50	4.67	2.47	5.28	2.24
15	2.67	3.65	3.65	5.54	8.62	6.75	4.77	3.40	4.40	2.41	5.99	2.25
16	2.67	3.48	4.47	5.63	7.71	6.97	4.43	3.32	4.00	2.43	4.84	2.24
17	2.67	3.41	5.71	5.65	6.95	6.76	4.20	3.28	3.84	2.42	3.74	2.19
18	3.24	3.61	5.91	5.62	6.39	6.33	4.03	3.24	4.33	2.38	3.14	2.16
19	3.91	3.83	5.89	5.57	5.89	5.97	3.87	3.25	4.63	2.36	2.85	2.12
20	3.51	4.07	5.89	5.28	5.48	5.78	3.77	3.28	4.24	2.48	2.71	2.09
21	3.25	4.17	5.83	4.98	6.25	5.86	3.69	3.86	3.73	2.55	2.66	2.07
22	3.57	3.99	5.31	5.11	6.80	6.31	4.47	4.94	3.44	2.38	2.63	2.07
23	4.74	3.80	4.68	5.27	6.63	6.17	5.65	4.93	3.24	2.34	2.83	2.05
24	4.88	3.74	4.70	6.99	6.64	5.67	5.66	4.43	3.09	2.28	3.01	2.09
25	5.16	5.44	5.05	7.73	6.52	5.19	5.65	4.27	2.96	2.29	2.87	2.25
26	5.60	6.14	5.17	7.77	6.22	5.49	6.21	5.04	3.04	2.35	2.80	2.34
27	5.85	6.37	5.91	7.46	6.43	5.76	6.85	6.25	3.83	2.29	2.70	2.43
28	5.00	6.71	6.37	6.95	6.54	5.86	7.81	6.78	3.35	2.23	2.57	2.40
29	4.01	6.85	---	6.52	---	5.67	7.92	6.15	3.77	2.21	2.46	2.39
30	3.60	6.73	---	6.10	---	5.22	7.53	5.31	3.73	2.45	2.39	2.43
31	3.40	---	---	5.73	---	4.72	---	5.65	---	2.70	2.31	---
MAX	6.82	6.85	---	---	8.62	10.70	11.28	7.54	7.93	3.84	5.99	3.76
MIN	2.67	3.41	---	---	4.77	4.72	3.69	3.24	2.96	2.21	2.18	2.05

RED RIVER BASIN

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW 1/4 NW 1/4 sec. 6, T. 20 N., R. 1 E., Union Parish, Hydrologic Unit 08040206, near right bank on downstream side of bridge on State Highway 33, 0.6 mi southwest of Farmerville, and 5.0 mi upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi² at dam, 1,470 mi² at site.

PERIOD OF RECORD.--December 1964 to current year (gage heights and miscellaneous discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg District. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

REVISED RECORDS.--WDR LA-71: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft above sea level (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft at spillway crest, 39.60 ft, gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft gage datum. Dam complete and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Satellite telemetry at station.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 45.05 ft, Mar. 4; minimum 39.67 ft, Sep 30.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41.45	40.33	---	41.26	41.43	41.37	40.23	42.12	40.83	40.17	39.83	39.86
2	41.34	40.32	---	41.29	41.25	42.15	40.13	42.14	40.78	40.15	39.82	39.88
3	41.23	40.29	41.16	41.27	41.10	43.87	40.09	43.02	40.81	40.13	39.81	39.90
4	41.10	40.28	41.19	41.20	41.00	44.97	40.28	43.57	40.90	40.10	39.79	39.88
5	40.96	40.27	41.22	41.12	40.88	44.61	40.88	43.33	40.96	40.06	39.78	39.86
6	40.80	40.26	41.24	41.01	40.79	43.83	41.52	42.49	40.86	40.05	39.75	39.85
7	40.67	40.32	41.25	41.00	40.84	43.18	42.86	42.09	40.71	40.09	39.73	39.84
8	40.58	40.34	41.18	41.09	41.05	42.64	43.67	41.75	40.57	40.09	39.74	39.84
9	40.50	40.34	41.05	41.30	41.21	42.21	43.50	41.45	40.49	40.08	40.01	39.92
10	40.40	40.37	40.90	41.42	41.32	41.90	42.91	41.16	40.56	40.08	40.16	39.94
11	40.31	40.38	40.77	41.50	41.32	41.65	42.30	40.88	40.65	40.07	40.20	39.92
12	40.26	40.40	40.66	41.56	41.41	41.43	41.79	40.63	40.70	40.05	40.19	39.90
13	40.21	40.41	40.56	41.59	42.15	41.32	41.36	40.42	40.69	40.03	40.17	39.88
14	40.18	40.40	40.50	---	42.58	41.26	41.05	40.24	40.65	40.01	40.13	39.87
15	40.15	40.38	40.46	---	42.74	41.21	40.80	40.08	40.60	40.01	40.11	39.85
16	40.13	40.35	40.56	41.51	42.74	41.18	40.61	39.98	40.55	40.00	40.10	39.84
17	40.11	40.36	40.71	41.39	42.52	41.15	40.44	40.05	40.51	39.98	40.09	39.83
18	40.09	40.34	40.80	41.28	42.16	41.13	40.30	40.11	40.47	39.96	40.06	39.81
19	40.06	40.32	40.80	41.18	41.75	41.09	40.17	40.17	40.43	39.94	40.03	39.80
20	40.06	40.30	40.77	41.08	41.42	41.02	40.04	40.20	40.39	39.93	40.01	39.78
21	40.06	40.29	40.75	40.99	41.38	40.92	39.94	40.29	40.35	39.91	39.99	39.76
22	40.09	40.26	40.74	40.96	41.20	40.81	39.89	40.39	40.31	39.91	39.98	39.75
23	40.07	40.26	40.74	40.96	41.09	40.71	40.00	40.46	40.28	39.89	39.99	39.75
24	40.08	---	40.71	41.35	41.01	40.63	40.10	40.49	40.24	39.87	39.98	39.76
25	40.11	---	40.66	41.56	40.95	40.59	40.17	40.50	40.20	39.86	39.96	39.75
26	40.17	---	40.67	41.68	40.97	40.57	40.46	40.51	40.20	39.85	39.95	39.72
27	40.20	---	40.74	41.80	41.07	40.55	40.77	40.53	40.20	39.84	39.94	39.71
28	40.22	---	40.79	41.95	41.26	40.52	41.83	40.59	40.20	39.82	39.92	39.71
29	40.24	---	40.91	41.92	---	40.45	42.18	40.72	40.19	39.82	39.90	39.69
30	40.27	---	41.07	41.80	---	40.38	42.17	40.84	40.18	39.86	39.89	39.68
31	40.30	---	41.18	41.63	---	40.31	---	40.89	---	39.85	39.88	---
MAX	41.45	---	---	---	42.74	44.97	43.67	43.33	40.96	40.17	40.20	39.94
MIN	40.06	---	---	---	40.79	40.31	39.89	39.98	40.18	39.82	39.73	39.68

RED RIVER BASIN

07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE 1/4 NE 1/4 sec. 43, T. 18 N., R. 4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi north of Sherrouse School at Monroe, and 4.0 mi upstream from mouth, and 1 mi north of Monroe.

DRAINAGE AREA.--Not determined.

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

GAGE.--Water-stage recorder. Datum of the gage is 31.17 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 42.32 ft, May 9, 1991; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 37.43 ft, Mar. 4; minimum, 30.62 ft, July 26, 27, 28, 29.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.77	30.71	31.99	31.38	34.97	36.78	36.62	37.06	36.18	30.95	30.64	30.69
2	30.74	30.70	31.41	31.49	34.84	37.10	36.64	36.98	35.90	30.93	30.64	30.68
3	30.71	30.69	31.19	31.55	34.69	37.38	36.65	37.05	35.59	30.89	30.64	30.68
4	30.70	30.67	31.14	31.55	34.78	37.42	36.69	37.02	35.30	30.85	30.63	30.68
5	30.70	30.67	31.05	31.62	34.64	37.42	36.91	36.96	35.24	30.79	30.63	30.68
6	30.71	30.66	30.96	31.48	34.37	37.38	36.94	36.89	34.81	30.77	30.63	30.68
7	30.69	30.77	30.88	31.79	34.36	37.32	36.75	36.80	34.18	30.90	30.63	30.68
8	30.84	30.91	30.83	31.89	34.56	37.03	36.59	36.69	33.45	30.87	30.63	30.68
9	30.86	30.77	30.80	32.14	34.26	37.29	36.49	36.56	32.88	30.80	30.77	30.71
10	30.74	30.72	30.76	31.84	34.05	37.10	36.54	36.50	32.34	30.72	30.83	30.81
11	30.68	30.70	30.75	31.62	33.86	36.75	36.58	36.57	31.73	30.69	30.74	30.74
12	30.66	30.68	30.74	31.48	34.08	36.65	36.63	36.63	31.38	30.68	30.71	30.71
13	30.64	30.68	30.73	31.41	35.15	36.61	36.66	36.67	31.23	30.67	30.71	30.69
14	30.63	30.67	30.71	31.35	35.22	36.57	36.67	36.71	31.22	30.67	30.71	30.69
15	30.63	30.66	30.75	31.49	35.33	36.63	36.68	36.74	31.24	30.66	30.70	30.69
16	30.63	30.65	32.28	31.73	35.52	36.68	36.69	36.76	31.30	30.66	30.70	30.69
17	30.68	30.68	33.28	31.58	35.85	36.74	36.69	36.78	31.42	30.65	30.70	30.69
18	30.74	30.90	32.78	31.42	36.11	36.79	36.64	36.74	31.27	30.64	30.70	30.69
19	30.88	30.76	32.29	31.34	36.24	36.85	36.59	36.71	31.18	30.65	30.69	30.68
20	30.86	30.72	31.84	31.28	36.29	36.89	36.53	36.68	31.19	30.68	30.69	30.68
21	30.72	30.70	31.51	31.25	36.43	36.92	36.49	36.87	31.17	30.64	30.70	30.68
22	30.70	30.69	31.33	31.35	36.44	36.94	36.55	36.80	31.14	30.65	30.70	30.68
23	30.70	30.67	31.25	31.78	36.45	36.96	36.60	36.61	31.14	30.64	30.70	30.68
24	30.70	30.68	31.26	35.26	36.46	36.94	36.60	36.64	31.05	30.64	30.70	30.76
25	30.70	30.89	31.19	35.21	36.51	36.77	36.60	36.73	31.03	30.63	30.70	30.78
26	31.44	30.78	31.17	35.07	36.61	36.65	36.82	36.71	31.03	30.63	30.70	30.71
27	31.14	30.74	31.17	34.98	36.78	36.48	36.98	36.69	31.16	30.62	30.69	30.69
28	30.89	30.74	31.17	35.29	36.77	36.53	37.32	36.84	31.07	30.63	30.69	30.68
29	30.78	30.97	31.19	35.20	---	36.56	37.26	36.77	31.02	30.62	30.69	30.68
30	30.75	32.18	31.20	35.07	---	36.59	37.16	36.57	30.96	30.74	30.69	30.68
31	30.73	---	31.26	35.04	---	36.61	---	36.40	---	30.68	30.69	---
MAX	31.44	32.18	33.28	35.29	36.78	37.42	37.32	37.06	36.18	30.95	30.83	30.81
MIN	30.63	30.65	30.71	31.25	33.86	36.48	36.49	36.40	30.96	30.62	30.63	30.68

RED RIVER BASIN

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

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

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

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

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

REMARKS.--Records fair except for estimated discharge and daily discharges below 200 cfs and above 3000 cfs, which are poor. No gage height recorded below 2.54 ft. Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow re-enters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, Feb. 11, 1966; maximum gage height, 26.39 ft, present datum, May 5, 1991; no flow at times most years as a result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 15, 1948, reached a stage of 24.8 ft present datum (from records of Corps of Engineers, Vicksburg District).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.81 ft, Mar. 4; minimum gage height not determined.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1520	e400	e2000	e1600	739	3050	e.00		e1050	e400	122	24
2	574	e1400		e700	542		e.00		e500	e100	149	30
3	371	e800		e200	451		e.00		e180	e30	73	95
4	e120	e400	e2500	310	928		e.00		e90	e.00	11	136
5	e35	e280	e700	1530	1880		e2000	e1600	e60	e.00	.00	107
6	e.00	e225	e300	2180	1240			e1200	e40	e.00	.00	61
7	e.00	e200	e170					e600	e30	e.00	.00	24
8	e.00	e1500	e200					e300	e24	e.00	.00	35
9	e.00	e1200	e90					e175	e95	e.00	412	118
10	e.00	e1000	e200		1420	2210	e2800	e85	e500	e.00	1480	317
11	e.00	e550	e700	2370	727	e1800	e2000	e.00	e600	e.00	1300	270
12	e.00	e200	e500	886	709	e350	e1400	e.00	e190	e.00	937	135
13	e.00	e125	e300	455		e175	e700	e.00	e120	e.00	869	80
14	e.00	e100	e250	307		e90	e360	e.00	e400	e200	821	43
15	e.00	e90	e200	472		e90	e130	e.00	e350	e120	873	15
16	e.00	e80	e1400	1570		e.00	e60	e.00	e250	85	684	e.00
17	e.00	e70		1110	770	e.00	e15	e.00	e190	13	470	e.00
18	e.00	e100		613	503	e.00	e.00	e.00	e120	.00	257	.00
19	e.00	e200	e1800	413	399	e1600	e.00	e.00	e500	.00	202	.00
20	e.00	e170	e400	323	325		e.00	e.00	e1600	.00	179	.00
21	e.00	e130	e120	271			e.00	e1400	e1200	.00	478	.00
22	e.00	e80	e50	1230		e1950	e.00	e1150	e550	.00	549	.00
23	e400	e60	e35			e800	e.00	e950	e500	.00	531	.00
24	e2000	e50	e30		1460	e400	e.00	e650	e100	.00	439	.00
25		e42	e70		645	e200	e.00	e250	e200	.00	289	.00
26		e40	e1400		608	e90	e.00	e70	e320	.00	180	353
27		e700				e45	e1400	e45	e250	.00	114	345
28	e3500	e1000				e10		e30	e140	.00	80	177
29	e1900	e700				e.00		e100	e100	.00	50	80
30	e900	e600				e.00		e2020	e490	.00	29	48
31	e550			1210		e.00		e1500		.00	45	
TOTAL		12492							10739	948.00	11623.00	2493.00
MEAN		416							358	30.6	375	83.1
MAX		1500							1600	400	1480	353
MIN		40							24	.00	.00	.00
CFSM		.53							.46	.04	.48	.11
IN.		.59							.51	.04	.55	.12

e Estimated

RED RIVER BASIN

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

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.39	---	---	---	6.40	9.22	---	---	---	---	4.82	5.03
2	6.15	---	---	---	6.12	14.77	---	---	---	---	5.31	5.05
3	5.83	---	---	---	5.97	22.17	---	---	---	---	5.17	5.21
4	---	---	---	5.72	6.63	22.75	---	---	---	---	4.88	5.28
5	---	---	---	7.42	7.85	22.26	---	---	---	---	4.20	5.24
6	---	---	---	8.22	7.05	21.15	---	---	---	---	3.65	5.14
7	---	---	---	9.96	7.42	17.94	---	---	---	---	3.25	5.03
8	---	---	---	9.70	14.24	13.86	---	---	---	---	3.19	5.06
9	---	---	---	11.37	10.86	10.70	---	---	---	---	4.80	5.25
10	---	---	---	10.84	7.28	7.93	---	---	---	---	7.06	5.55
11	---	---	---	8.43	6.38	---	---	---	---	---	6.85	5.48
12	---	---	---	6.59	6.32	---	---	---	---	---	6.39	5.28
13	---	---	---	5.97	15.83	---	---	---	---	---	6.30	5.19
14	---	---	---	5.71	19.45	---	---	---	---	---	6.24	5.09
15	---	---	---	5.96	15.73	---	---	---	---	---	6.31	5.00
16	---	---	---	7.47	7.91	---	---	---	---	5.20	6.07	4.93
17	---	---	---	6.89	6.44	---	---	---	---	4.96	5.76	4.90
18	---	---	---	6.22	6.05	---	---	---	---	4.68	5.46	4.86
19	---	---	---	5.90	5.88	---	---	---	---	4.27	5.39	4.79
20	---	---	---	5.74	5.75	---	---	---	---	3.68	5.35	4.77
21	---	---	---	5.65	10.96	---	---	---	---	3.29	5.77	4.74
22	---	---	---	6.99	13.40	---	---	---	---	3.18	5.88	4.69
23	---	---	---	8.01	9.83	---	---	---	---	3.16	5.85	4.69
24	---	---	---	19.73	7.32	---	---	---	---	3.15	5.72	4.71
25	---	---	---	22.61	6.27	---	---	---	---	3.87	5.51	4.74
26	---	---	---	22.36	6.22	---	---	---	---	4.81	5.36	5.57
27	---	---	---	19.29	9.93	---	---	---	---	4.68	5.25	5.58
28	---	---	---	18.53	11.24	---	---	---	---	4.41	5.19	5.35
29	---	---	---	17.46	---	---	---	---	---	3.77	5.11	5.18
30	---	---	---	11.18	---	---	---	---	---	3.23	5.04	5.10
31	---	---	---	7.02	---	---	---	---	---	3.17	5.09	---
MAX	---	---	---	---	19.45	---	---	---	---	---	7.06	5.58
MIN	---	---	---	---	5.75	---	---	---	---	---	3.19	4.69

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA

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

DRAINAGE AREA.--1,226 mi² (see REMARKS).

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

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

REMARKS.--Records fair except for days of estimated discharge which are poor. Indefinite stage discharge relationship, Mar. 5 - Nov. 29. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Low level dam of steel sheet piles with concrete cap located approximately 7 miles downstream, pool stage 55 ft, since Dec. 1991.

AVERAGE DISCHARGE.--59 years, 303 ft³/s, 219,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft³/s, May 2, 1958; maximum gage height, 21.51 ft, May 6, 1958, present datum; no flow at times after 1993; minimum gage height, 2.61 ft, June 25, 1981.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,530 ft³/s, Jan. 29, gage height, 15.20 ft; minimum gage height, 5.98 ft, Jul. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	43	534	298	769	515	6.4	1120	398	4.2	.76	2.3
2	141	26	678	159	389	514	5.0	1020	283	2.8	.42	2.8
3	87	16	768	67	147	631	4.4	808	152	1.9	e.00	3.0
4	50	11	772	29	81	832	6.3	618	68	.92	.00	2.6
5	30	e10	609	31	104	994	29	552	36	.46	.00	2.2
6	18	e10	333	49	103	1110	47	421	33	2.3	.00	1.9
7	12	e14	140	71	133	1120	88	211	20	24	.00	1.5
8	8.0	e20	57	125	323	1050	157	81	10	14	1.0	1.2
9	5.9	e24	26	252	486	878	170	32	8.8	7.8	11	1.3
10	4.6	e27	14	337	507	644	148	15	110	10	22	1.2
11	3.7	e24	9.2	332	345	376	129	8.9	185	6.0	38	1.1
12	3.0	e19	6.6	251	258	164	100	6.3	103	3.0	31	.66
13	2.8	e12	4.6	135	827	91	51	4.0	67	1.6	18	.29
14	2.8	e10	3.7	56	996	79	23	2.5	35	1.5	12	.00
15	2.8	e8.1	7.6	49	1080	60	11	2.6	20	1.4	8.2	.00
16	2.7	e6.4	175	106	1050	42	6.0	5.9	45	.93	5.4	.00
17	2.8	e5.1	444	140	832	31	4.0	3.4	36	.46	3.7	.00
18	2.9	e4.3	538	100	475	35	3.5	2.0	26	.25	2.7	.00
19	2.6	e3.3	558	53	192	27	4.1	3.4	18	e.00	2.1	.00
20	3.0	e2.8	437	28	78	44	3.4	72	18	.00	1.6	e.00
21	2.8	e2.3	236	16	174	156	2.8	368	32	.00	1.9	e.00
22	3.6	e2.0	101	18	189	157	7.6	453	46	e.00	2.0	.29
23	3.0	e2.0	45	56	330	82	7.9	275	36	.18	2.7	.54
24	2.4	e2.3	28	773	334	35	4.1	140	19	.00	2.4	5.7
25	3.7	e2.8	24	1040	221	31	3.3	79	12	.00	2.2	6.3
26	203	e2.5	24	1230	174	85	163	47	8.6	.00	2.0	4.8
27	261	e3.0	21	1320	269	80	489	35	5.7	.00	2.1	4.5
28	301	e3.0	69	1510	391	57	918	99	7.8	.48	2.1	4.4
29	251	e3.5	245	1510	---	32	1060	144	20	e.00	2.0	3.9
30	152	297	325	1380	---	17	1130	188	7.7	.54	2.1	3.2
31	79	---	361	1140	---	10	---	430	---	.98	2.2	---
TOTAL	1829.1	616.4	7593.7	12661	11257	9979	4781.8	7247.0	1866.6	85.70	181.58	55.68
MEAN	59.0	20.5	245	408	402	322	159	234	62.2	2.76	5.86	1.86
MAX	301	297	772	1510	1080	1120	1130	1120	398	24	38	6.3
MIN	2.4	2.0	3.7	16	78	10	2.8	2.0	5.7	.00	.00	.00
AC-FT	3630	1220	15060	25110	22330	19790	9480	14370	3700	170	360	110
CAL YR 1996	TOTAL 23584.40		MEAN 64.4		MAX 895		MIN .00		AC-FT 46780			
WTR YR 1997	TOTAL 58154.56		MEAN 159		MAX 1510		MIN .00		AC-FT 115300			

e Estimated

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.60	6.51	9.74	8.37	11.11	9.63	6.11	13.07	8.95	6.11	6.06	6.11
2	7.31	6.34	10.58	7.44	8.90	9.63	6.09	12.56	8.28	6.08	6.05	6.12
3	6.89	6.23	11.10	6.72	7.35	10.30	6.08	11.34	7.39	6.06	6.04	6.13
4	6.58	6.18	11.13	6.38	6.85	11.47	6.11	10.22	6.74	6.05	6.03	6.12
5	6.38	6.17	10.18	6.39	7.04	12.40	6.37	9.84	6.47	6.04	5.99	6.11
6	6.26	6.17	8.57	6.57	7.03	13.02	6.55	9.09	6.44	6.06	6.01	6.10
7	6.18	6.39	7.30	6.77	7.23	13.09	6.90	7.80	6.31	6.35	6.03	6.09
8	6.14	6.64	6.64	7.19	8.51	12.69	7.43	6.85	6.19	6.24	6.07	6.08
9	6.11	6.80	6.34	8.08	9.46	11.74	7.52	6.40	6.17	6.16	6.25	6.08
10	6.09	6.84	6.21	8.61	9.58	10.38	7.36	6.22	7.06	6.19	6.40	6.08
11	6.07	6.81	6.15	8.58	8.64	8.82	7.23	6.15	7.62	6.14	6.57	6.08
12	6.06	6.75	6.12	8.07	8.09	7.47	7.00	6.11	7.03	6.09	6.50	6.07
13	6.05	6.67	6.08	7.26	11.44	6.93	6.59	6.07	6.73	6.06	6.36	6.06
14	6.05	6.59	6.07	6.63	12.42	6.83	6.31	6.05	6.46	6.06	6.27	6.05
15	6.05	6.52	6.12	6.56	12.88	6.67	6.17	6.05	6.31	6.06	6.23	6.04
16	6.05	6.45	7.49	7.05	12.74	6.50	6.11	6.11	6.55	6.05	6.18	6.04
17	6.05	6.40	9.22	7.31	11.47	6.39	6.07	6.06	6.46	6.04	6.14	6.04
18	6.05	6.37	9.76	7.00	9.40	6.43	6.06	6.04	6.37	6.03	6.12	6.04
19	6.05	6.33	9.88	6.61	7.67	6.36	6.08	6.06	6.29	6.03	6.10	6.04
20	6.06	6.31	9.18	6.37	6.82	6.51	6.06	6.73	6.28	6.03	6.09	6.05
21	6.05	6.29	7.97	6.24	7.55	7.42	6.05	8.71	6.43	6.03	6.10	6.05
22	6.07	6.28	7.01	6.26	7.65	7.43	6.12	9.27	6.55	6.03	6.10	6.06
23	6.06	6.28	6.53	6.57	8.56	6.85	6.13	8.22	6.46	6.03	6.12	6.06
24	6.04	6.29	6.37	11.13	8.59	6.43	6.08	7.30	6.29	6.02	6.11	6.17
25	6.07	6.31	6.33	12.63	7.87	6.38	6.06	6.83	6.21	5.99	6.11	6.19
26	7.74	6.30	6.33	13.65	7.55	6.88	7.46	6.55	6.17	6.01	6.10	6.17
27	8.14	6.32	6.30	14.11	8.19	6.84	9.47	6.44	6.13	6.03	6.10	6.16
28	8.39	6.32	6.72	15.08	8.91	6.64	11.97	6.99	6.15	6.05	6.10	6.16
29	8.07	6.34	8.03	15.06	---	6.40	12.75	7.34	6.31	6.04	6.10	6.15
30	7.39	8.29	8.54	14.44	---	6.25	13.11	7.65	6.16	6.05	6.10	6.13
31	6.83	---	8.75	13.17	---	6.16	---	9.14	---	6.07	6.11	---
MAX	8.39	8.29	11.13	15.08	12.88	13.09	13.11	13.07	8.95	6.35	6.57	6.19
MIN	6.04	6.17	6.07	6.24	6.82	6.16	6.05	6.04	6.13	5.99	5.99	6.04

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in NW 1/4 SW 1/4 sec. 36, T. 18 N., R. 5 E., Ouachita - Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi upstream from Illinois Central Gulf Railroad bridge, and 2.5 mi west of town of Crew Lake.

DRAINAGE AREA.--361 mi² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938, monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft above sea level (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Estimated daily discharges. Records fair, except for estimated daily discharge, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station.

AVERAGE DISCHARGE.--59 years, 1,864 ft³/s, 1,350,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,700 ft³/s, Nov. 2, 1991, gage height, 30.18 ft; maximum gage height, 30.34 ft, May 9, 1991. Maximum daily reverse flow 210 ft³/s, Apr. 27, 1989; no flow at times in August, September, October 1952, and June 1984, result of pumping for irrigation. No flow Mar. 17, 1989, backwater from Ouachita River.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,100 ft³/s, Jan. 28, gage height, 26.26 ft; maximum gage height, 26.30 ft, Jan. 29; minimum not determined.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4600	586	11700	2960	6830	6570	e1100	13000	5660	805	71	201
2	e2600	688	13400	1480	3050	7210	e960	10400	3130	707	123	196
3	e1500	2100	12500	473	1300	13000	e850	8940	e2500	378	212	194
4	729	1660	7730	255	3180	14100	e790	10000	e1800	185	185	197
5	363	811	2650	1560	2790	14000	e2000	7970	e1300	115	105	186
6	239	399	1290	2940	2660	13800	4610	e6900	e1000	101	62	179
7	180	418	867	4040	2780	13100	5260	e6000	e800	193	53	161
8	146	1370	710	5610	9160	11200	4300	e5000	e660	193	53	158
9	132	2380	e620	6630	9470	8180	3690	e3600	e500	146	465	194
10	121	1850	e540	6480	5610	4960	3440	e2900	e600	115	1760	361
11	107	970	e490	5220	2500	e3400	e3300	e2000	1380	108	2140	461
12	100	463	e470	3010	2010	e2800	e2700	e1350	1090	96	2240	390
13	94	230	e440	1510	11700	e2300	e2200	e800	930	98	1700	264
14	80	154	e450	865	14300	e3100	e1650	e500	914	181	1420	201
15	e74	130	e470	1110	14500	e2800	e1000	e420	e750	300	1340	162
16	e71	115	2040	3560	12200	e2200	e750	e350	e1000	290	1090	128
17	e67	103	8450	2980	5610	e1800	e630	e300	e900	284	868	103
18	e62	173	10100	1670	e4200	e1400	e560	e280	810	189	618	88
19	e58	249	7010	1050	e2300	e2500	e490	e265	2310	126	422	83
20	e56	291	3080	919	e2000	5360	e450	e260	3250	111	362	81
21	e53	298	e1900	992	5050	3460	e430	e900	3460	104	517	79
22	e52	218	e1690	1520	9560	e2400	e410	3440	2120	89	762	78
23	e50	171	e1450	3780	7700	e1450	e390	e3500	955	77	829	78
24	716	163	e1300	13600	4480	e1100	e370	e3100	208	123	770	87
25	1600	166	e1250	16300	1510	e1000	e350	e2800	92	299	622	102
26	4290	207	1370	17200	2070	e3200	e340	e2500	259	206	480	87
27	7350	1160	3970	17500	5140	e2650	3960	e2300	534	146	417	190
28	5760	1600	7210	17800	7450	e2100	11700	e2800	339	105	346	207
29	2760	1040	6810	17400	---	e1800	13700	e4000	193	71	261	160
30	1390	4910	7810	16000	---	e1450	13900	4340	723	68	208	120
31	1070	---	5960	12500	---	e1250	---	5570	---	76	188	---
TOTAL	36470	25073	125727	188914	161110	155640	86280	116485	40167	6085	20689	5176
MEAN	1176	836	4056	6094	5754	5021	2876	3758	1339	196	667	173
MAX	7350	4910	13400	17800	14500	14100	13900	13000	5660	805	2240	461
MIN	50	103	440	255	1300	1000	340	260	92	68	53	78
AC-FT	72340	49730	249400	374700	319600	308700	171100	231000	79670	12070	41040	10270
CAL YR 1996	TOTAL 504253		MEAN 1382		MAX 13600		MIN 21		AC-FT 1000000			
WTR YR 1997	TOTAL 967816		MEAN 2652		MAX 17800		MIN 50		AC-FT 1920000			

e Estimated

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.17	3.01	21.09	12.16	22.24	20.24	18.73	25.08	17.64	3.64	.98	1.61
2	7.75	3.25	22.78	9.58	18.13	20.52	18.64	24.31	14.83	3.35	1.30	1.59
3	5.19	6.68	22.39	8.02	15.06	24.01	18.54	23.61	12.64	2.39	1.78	1.58
4	3.40	5.70	19.07	7.20	15.41	24.72	18.51	23.84	11.44	1.64	1.65	1.59
5	2.34	3.62	12.65	8.00	14.45	24.90	19.26	22.99	11.12	1.28	1.22	1.54
6	1.89	2.46	9.19	9.94	13.68	24.97	20.66	20.88	9.85	1.19	.91	1.50
7	1.63	2.49	7.57	11.41	13.66	24.79	20.88	19.13	8.81	1.68	.83	1.42
8	1.47	5.02	6.59	14.03	20.37	24.23	20.42	18.24	7.82	1.69	.83	1.41
9	1.38	7.24	5.67	15.74	21.15	22.95	20.02	17.72	6.56	1.46	2.43	1.57
10	1.32	6.19	5.05	16.05	17.89	21.20	19.83	17.39	6.80	1.28	5.95	2.22
11	1.23	4.04	4.73	14.64	14.24	19.23	19.44	17.11	8.11	1.24	6.76	2.55
12	1.18	2.65	4.45	11.57	13.68	18.25	18.61	16.77	7.31	1.16	6.97	2.31
13	1.14	1.85	4.24	8.79	22.92	18.26	18.25	16.45	6.54	1.17	5.82	1.87
14	1.05	1.50	4.28	7.20	24.68	18.58	18.10	16.15	5.77	1.61	5.16	1.61
15	---	1.38	4.31	6.99	24.95	18.35	17.99	15.77	4.52	2.13	4.98	1.42
16	---	1.28	8.70	11.08	24.31	18.05	17.87	15.42	5.33	2.09	4.35	1.24
17	---	1.20	18.88	10.57	21.19	17.94	17.69	15.08	4.06	2.07	3.77	1.08
18	---	1.59	21.04	8.19	17.39	17.96	17.59	14.72	3.62	1.67	3.04	.99
19	---	1.93	18.65	6.59	15.39	18.76	17.43	14.37	7.09	1.34	2.42	.95
20	---	2.09	14.04	5.69	14.65	20.37	17.27	14.01	9.08	1.25	2.22	.93
21	---	2.12	11.12	5.13	17.51	19.95	17.11	16.29	9.57	1.21	2.73	.92
22	---	1.80	9.99	5.76	21.22	18.90	16.90	17.82	7.19	1.11	3.47	.91
23	---	1.59	9.05	10.17	20.45	18.60	16.70	15.79	4.03	1.02	3.66	.91
24	3.24	1.55	8.28	22.77	17.69	18.65	16.44	14.70	2.03	1.30	3.49	.97
25	5.60	1.56	8.04	25.07	15.73	18.75	16.15	14.46	1.47	2.12	3.06	1.08
26	10.65	1.74	8.57	25.54	16.32	19.44	17.52	14.06	2.26	1.75	2.62	.98
27	15.65	4.51	11.47	25.76	18.67	19.17	19.67	13.42	3.02	1.46	2.40	1.54
28	14.75	5.59	16.16	26.18	20.49	19.06	23.92	14.33	2.49	1.22	2.17	1.63
29	10.43	4.22	16.34	26.23	---	18.90	24.98	15.77	2.02	.97	1.86	1.41
30	6.77	11.18	17.42	25.97	---	18.83	25.23	15.94	3.45	.95	1.64	1.19
31	4.43	---	16.03	24.93	---	18.79	---	18.05	---	1.02	1.55	---
MAX	---	11.18	22.78	26.23	24.95	24.97	25.23	25.08	17.64	3.64	6.97	2.55
MIN	---	1.20	4.24	5.13	13.66	17.94	16.15	13.42	1.47	.95	.83	.91

RED RIVER BASIN
07369500 TENSAS RIVER AT TENDAL, LA

LOCATION.--Lat 32°25'55", long 91°22'00", in NW 1/4 sec. 29, T. 17 N., R. 11 E., Madison Parish, Hydrologic Unit 08050003, near right bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft upstream from Illinois Central Gulf Railroad bridge, and 2.8 mi east of Waverly.

DRAINAGE AREA.--309 mi² (see REMARKS).

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

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft above sea level. Prior to July 11, 1944, nonrecording gage at site 1,000 ft upstream at same datum. July 11, 1944 to Sept. 14, 1954, nonrecording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Records good except for periods of estimated daily discharge, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--62 years (water years 1936-97), 352 ft³/s, 255,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft³/s, Nov. 19, 1948; maximum gage height, 27.21 ft, May 5, 1991; minimum discharge, 1.7 ft³/s, Oct. 5, 1981, but may have been less during period of indefinite stage-discharge relationship in October 1954.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, e2,630 ft³/s, Feb. 14; maximum gage height, 21.83 ft, Feb. 14; minimum discharge, 3.7 ft³/s, Sep. 1, gage height, 5.40 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	54	113	359	267	e1880	e2190	76	1480	e1240	213	35	4.2			
2	48	79	492	224	e1650	e2100	69	1200	e1050	143	34	5.4			
3	33	45	503	185	e1500	e2570	70	981	e850	91	30	7.3			
4	21	23	479	149	e1560	e2500	70	823	e650	63	24	7.5			
5	15	15	440	154	e1600	e2350	189	712	e465	e47	20	7.1			
6	e12	14	393	243	e1490	e2200	394	629	314	e40	19	7.7			
7	e9.8	29	347	311	e1360	e2000	364	555	206	e34	19	8.0			
8	e8.0	e259	301	506	e1450	e1800	326	484	133	e32	20	8.1			
9	e9.4	e342	262	1100	e1610	e1600	287	414	85	e34	32	8.0			
10	e11	e279	223	1150	e1480	e1400	228	353	e650	e42	75	8.0			
11	e10	e204	191	950	e1340	e1190	175	286	e1360	e35	101	7.6			
12	e9.8	145	160	743	e1290	e990	131	209	e1300	e30	92	7.0			
13	e9.4	93	130	594	e1820	e710	97	165	e1100	e40	82	7.0			
14	e9.2	55	96	486	e2630	e540	74	130	e950	e52	74	6.9			
15	e8.7	35	64	406	e2600	438	59	99	e775	e44	62	6.7			
16	e9.2	24	101	515	e2500	380	50	82	e620	39	52	6.3			
17	e9.5	18	955	521	e2410	328	44	70	e550	38	38	6.1			
18	e9.0	310	1180	416	e2230	293	41	52	e402	35	29	6.0			
19	e8.5	594	965	326	e2000	264	40	53	284	32	23	5.8			
20	e8.0	431	744	e262	e1850	233	39	66	214	29	17	5.9			
21	e8.5	266	589	e215	e1760	203	39	400	153	27	16	5.9			
22	e8.0	152	485	e173	e1620	183	42	e950	107	29	19	5.5			
23	e7.5	87	414	e156	e1500	162	74	e850	70	29	29	5.4			
24	e8.8	55	358	e1250	e1300	144	110	e700	54	27	37	7.6			
25	e13	349	309	e1700	e1120	130	109	e600	e47	25	35	8.9			
26	71	745	263	e1990	e1400	140	677	e500	e42	24	24	10			
27	e307	601	264	e1900	e2000	133	1680	e390	e37	26	17	12			
28	e324	435	260	e2080	e2210	123	2280	312	e67	26	12	11			
29	e252	326	256	e2240	---	113	2130	378	124	25	9.2	8.6			
30	e195	241	315	e2200	---	99	1810	447	247	26	7.0	7.4			
31	150	---	312	e2100	---	86	---	e910	---	31	5.5	---			
TOTAL	1657.3	6364	12210	25512	49160	27592	11774	15280	14146	1408	1088.7	218.9			
MEAN	53.5	212	394	823	1756	890	392	493	472	45.4	35.1	7.30			
MAX	324	745	1180	2240	2630	2570	2280	1480	1360	213	101	12			
MIN	7.5	14	64	149	1120	86	39	52	37	24	5.5	4.2			
AC-FT	3290	12620	24220	50600	97510	54730	23350	30310	28060	2790	2160	434			
CAL YR 1996	TOTAL		79646.0	MEAN		218	MAX		2180	MIN		5.9	AC-FT		158000
WTR YR 1997	TOTAL		166410.9	MEAN		456	MAX		2630	MIN		4.2	AC-FT		330100

e Estimated

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.25	7.22	9.49	8.77	18.54	19.40	6.74	18.78	15.11	8.27	6.09	5.42
2	6.17	6.77	10.48	8.37	17.58	19.18	6.64	17.61	14.20	7.56	6.06	5.46
3	5.93	6.26	10.56	8.00	16.57	20.67	6.66	16.51	12.88	6.94	5.99	5.52
4	5.69	5.83	10.39	7.63	16.87	20.68	6.66	15.52	11.53	6.55	5.85	5.52
5	5.64	5.64	10.11	7.67	17.65	20.06	7.91	14.57	10.29	---	5.77	5.51
6	---	5.61	9.77	8.55	16.67	19.74	9.82	13.63	9.15	---	5.74	5.53
7	---	5.89	9.42	9.12	15.78	19.00	9.78	12.67	8.20	---	5.74	5.53
8	---	8.66	9.06	10.66	17.80	17.98	9.39	11.68	7.44	---	5.77	5.54
9	---	9.38	8.72	14.41	18.11	16.95	8.94	10.71	6.86	---	6.02	5.53
10	---	8.86	8.37	15.15	17.17	16.03	8.41	9.78	11.77	---	6.72	5.54
11	---	8.19	8.06	14.22	16.04	15.14	7.90	8.93	15.95	---	7.07	5.52
12	---	7.58	7.74	13.05	15.42	14.22	7.42	8.24	15.74	---	6.95	5.51
13	---	6.96	7.42	11.90	20.21	13.36	7.01	7.80	14.80	---	6.83	5.51
14	---	6.41	7.00	10.86	21.76	12.74	6.71	7.42	13.80	---	6.72	5.51
15	---	6.07	6.56	10.03	21.79	12.00	6.49	7.04	12.74	6.24	6.56	5.50
16	---	5.85	6.92	10.63	21.52	11.16	6.34	6.82	11.74	6.16	6.42	5.49
17	---	5.72	13.26	10.68	20.96	10.28	6.24	6.61	10.76	6.13	6.18	5.48
18	---	8.89	15.20	9.94	20.10	9.51	6.18	6.37	9.83	6.07	6.03	5.47
19	---	11.18	14.48	9.25	19.06	8.95	6.16	6.39	8.99	6.02	5.90	5.47
20	---	10.15	13.24	8.72	17.92	8.46	6.15	6.60	8.28	5.96	5.79	5.47
21	---	8.75	12.02	8.30	17.41	8.18	6.15	9.40	7.67	5.91	5.76	5.48
22	---	7.65	10.96	7.89	17.20	7.99	6.20	13.22	7.14	5.96	5.83	5.46
23	---	6.88	10.10	7.70	16.21	7.77	6.70	12.90	6.65	5.97	6.02	5.46
24	---	6.42	9.50	14.30	15.17	7.58	7.18	12.12	6.41	5.91	6.18	5.53
25	---	9.19	9.12	18.96	14.31	7.42	7.18	11.63	---	5.87	6.13	5.58
26	6.53	12.20	8.73	19.10	15.73	7.53	11.40	10.88	---	5.86	5.94	5.61
27	9.09	11.57	8.74	18.28	18.65	7.45	17.31	9.87	---	5.89	5.78	5.66
28	9.24	10.30	8.71	19.36	19.67	7.34	20.63	9.14	---	5.89	5.66	5.63
29	8.63	9.26	8.67	20.32	---	7.22	20.73	9.65	7.27	5.88	5.57	5.58
30	8.10	8.53	9.17	20.15	---	7.05	19.90	10.17	8.59	5.89	5.51	5.55
31	7.64	---	9.15	19.47	---	6.87	---	13.05	---	6.00	5.46	---
MAX	---	12.20	15.20	20.32	21.79	20.68	20.73	18.78	---	---	7.07	5.66
MIN	---	5.61	6.56	7.63	14.31	6.87	6.15	6.37	---	---	5.46	5.42

RED RIVER BASIN

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in NE 1/4 SE 1/4 sec. 18, T. 17 N., R. 10 E., Madison - Richland Parish line, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi upstream from Illinois Central Gulf Railroad bridge, and 1.0 mi east of Delhi.

DRAINAGE AREA.--782 mi².

PERIOD OF RECORD.--Daily discharge and gage height records October 1935 to September 1992. October 1992 to current year, gage heights and annual maximum discharge only. Monthly discharge only for some periods published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg District; and since January 1932 in reports of Corps of Engineers, Vicksburg District.

REVISED RECORDS.--WDR LA-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 50.05 ft above sea level (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949 to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft downstream at same datum. Auxiliary water-stage recorder 7.7 mi downstream from base gage at datum 46.05 ft above sea level. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

REMARKS.--Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--57 years (water years 1935-1992), 975 ft³/s, 706,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft³/s, Apr. 29, 1991; maximum gage height, 26.86 ft, May 5, 1991; no flow observed, May 25, 26, 28, June 1, 1963, June 11, 1988, and June 12 to July 4, 1988 result of temporary dam; minimum gage height 4.13 ft, June 21, 1988.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,890 ft³/s, Jan. 28, gage height 19.50 ft; maximum gage height, 19.54 ft, Jan. 29; minimum gage height, 5.90 ft, Aug. 8.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.22	6.97	11.67	8.78	15.04	13.04	7.29	13.17	9.25	7.67	6.50	6.72
2	7.10	6.89	12.25	8.57	12.55	13.28	7.26	11.02	8.51	7.50	6.39	6.59
3	7.01	6.90	11.23	8.33	10.01	16.60	7.23	10.99	7.91	7.14	6.21	6.50
4	6.91	6.96	9.27	8.15	9.60	18.01	7.22	12.49	7.56	6.86	6.15	6.45
5	6.84	6.98	8.30	8.63	9.13	17.73	7.66	11.99	7.59	6.80	6.16	6.40
6	6.80	6.93	7.85	8.99	8.47	16.95	8.49	10.15	7.52	6.82	6.18	6.40
7	6.79	7.18	7.60	8.86	8.62	15.62	8.25	8.58	7.20	6.96	6.05	6.47
8	6.77	8.15	7.41	9.45	11.65	13.99	7.83	8.10	6.93	7.00	6.03	6.64
9	6.76	7.93	7.27	10.50	12.25	12.14	7.58	7.83	6.73	6.91	7.24	6.82
10	6.76	7.42	7.16	9.98	10.52	10.25	7.43	7.72	7.94	7.21	8.30	6.96
11	6.74	7.10	7.08	8.93	8.70	8.89	7.39	7.61	8.46	7.26	8.21	6.92
12	6.74	6.94	7.02	8.33	8.59	8.44	7.34	7.54	7.80	7.25	7.98	6.88
13	6.74	6.85	6.96	8.01	15.04	8.15	7.26	7.42	7.63	7.32	7.68	6.86
14	6.75	6.82	6.90	7.80	18.65	8.07	7.21	7.28	7.56	7.47	7.42	6.84
15	6.75	6.79	6.90	7.85	18.83	8.06	7.21	7.21	7.23	7.51	7.20	6.83
16	6.75	6.78	7.73	9.04	17.65	7.77	7.16	7.14	7.19	7.26	7.09	6.81
17	6.74	6.86	10.64	8.80	15.65	7.60	7.08	7.05	7.20	6.89	7.04	6.81
18	6.77	7.51	10.90	8.15	13.27	7.51	7.00	7.02	7.14	6.69	6.98	6.80
19	6.73	7.59	9.49	7.75	10.83	8.15	6.99	7.11	6.96	6.66	6.89	6.75
20	6.73	7.31	8.39	7.55	8.89	9.49	7.01	7.58	6.81	6.64	6.89	6.73
21	6.73	7.12	7.87	7.44	9.24	9.13	6.98	8.50	6.79	6.66	6.96	6.72
22	6.75	6.96	7.58	7.56	10.01	8.51	7.15	9.15	6.79	6.74	7.03	6.71
23	6.75	6.85	7.39	8.27	9.26	8.15	7.35	8.34	6.79	6.75	7.15	6.71
24	6.75	6.84	7.38	13.37	8.65	7.94	7.25	8.35	---	6.62	7.21	6.89
25	6.77	7.31	7.42	17.24	8.38	7.82	7.13	8.35	---	6.51	7.12	7.16
26	8.16	7.73	7.32	18.11	9.04	8.19	8.92	7.99	6.53	6.34	7.02	7.08
27	8.90	7.47	8.52	17.87	11.03	8.37	11.04	7.68	6.97	6.36	6.94	6.93
28	8.11	7.16	9.52	18.87	12.08	7.87	14.95	7.66	7.27	6.38	6.89	6.83
29	7.52	6.98	9.12	19.44	---	7.60	15.93	8.26	8.05	6.25	6.86	6.77
30	7.25	8.63	9.05	18.73	---	7.44	14.98	7.91	7.73	6.27	6.87	6.74
31	7.08	---	8.91	17.17	---	7.35	---	9.07	---	6.53	6.86	---
MAX	8.90	8.63	12.25	19.44	18.83	18.01	15.93	13.17	---	7.67	8.30	7.16
MIN	6.73	6.78	6.90	7.44	8.38	7.35	6.98	7.02	---	6.25	6.03	6.40

RED RIVER BASIN

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", Long 92°48'05", in SW 1/4, sec. 8, T. 14 N., R. 4 W., Bienville - Jackson Parish line, Hydrologic Unit 08040303, on left bank just upstream from bridge on State Highway 4, 200 ft downstream from Brush Creek, 1.5 mi downstream from McDonald Creek, and 5.4 mi west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to September 1996, continuous stage and discharge. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only), October 1996 to present, continuous stage and peak discharge only.

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

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft above sea level. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of missing gage heights due to recorder malfunction. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,500 ft³/s, Dec. 28, 1982; maximum gage height, 21.20 ft, from flood mark, Dec. 28, 1982; minimum discharge, 0.41 ft³/s, Aug. 31, 1954; minimum gage height, 2.67 ft, Sep. 26, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 9,840 ft³/s; gage height, 15.61 ft, Mar. 4; minimum gage height, 3.35 ft, Aug. 20.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.63	4.20	8.65	8.86	11.69	11.91	7.84	12.90	11.41	4.74	3.75	3.63
2	10.41	4.16	9.56	8.41	11.03	12.09	7.18	12.08	10.55	4.47	3.66	3.63
3	---	4.12	9.94	7.83	10.27	13.79	6.67	11.37	9.48	4.28	3.65	3.64
4	---	4.13	9.83	7.34	9.61	15.35	6.53	10.82	8.29	4.14	3.69	3.59
5	---	4.11	8.76	6.95	9.28	13.96	9.76	10.80	7.37	3.95	3.75	3.58
6	---	4.11	7.53	6.81	9.30	12.80	12.29	12.15	6.58	3.82	3.79	3.59
7	---	4.27	6.61	7.61	9.47	12.23	12.99	11.67	6.08	3.80	3.79	3.57
8	---	4.47	6.08	8.60	10.70	11.76	12.53	10.86	5.70	4.05	3.77	3.48
9	---	4.33	5.80	9.76	11.63	11.25	11.75	9.90	5.43	4.66	3.88	3.45
10	---	4.83	5.54	10.74	12.12	10.76	10.91	8.74	5.46	5.48	3.92	3.52
11	---	5.03	5.33	11.13	12.09	10.52	9.83	7.85	6.33	5.21	4.02	3.59
12	---	4.84	5.20	11.21	11.75	10.39	9.14	7.10	7.37	4.61	5.16	3.59
13	---	4.51	5.05	10.92	13.19	10.89	8.92	6.49	7.77	4.24	4.97	3.70
14	---	4.28	5.00	10.12	15.14	11.67	8.75	6.08	8.36	4.04	4.29	3.81
15	---	4.12	5.05	9.13	14.87	11.84	8.42	5.79	8.75	3.89	3.99	3.80
16	---	3.97	6.82	8.93	13.34	11.80	7.79	5.54	8.15	3.77	3.81	3.82
17	---	3.95	9.93	9.10	12.30	11.51	7.11	5.38	7.25	3.72	3.64	3.83
18	---	3.97	10.94	9.27	11.60	10.88	6.63	5.28	6.99	3.65	3.46	3.92
19	---	3.99	11.42	9.02	10.94	10.47	6.28	5.13	7.10	3.70	3.39	3.95
20	---	4.24	11.42	8.41	10.29	10.23	6.00	5.06	6.87	3.87	3.38	3.81
21	---	5.04	10.81	7.96	10.17	9.85	5.80	8.23	6.18	3.93	3.60	3.65
22	---	4.96	9.58	8.25	10.62	9.39	5.77	11.49	5.49	3.87	3.67	3.68
23	---	4.70	8.44	9.33	10.99	8.92	7.42	12.25	5.04	3.94	3.67	3.64
24	---	4.56	7.78	11.18	11.20	8.44	9.27	11.93	4.75	4.05	3.60	3.45
25	---	4.88	7.36	13.32	11.50	8.09	9.84	11.63	5.26	3.99	3.58	3.51
26	---	6.34	7.14	14.56	11.80	9.36	10.63	11.38	5.40	4.07	3.56	3.73
27	---	8.14	6.96	13.40	11.90	10.36	11.61	11.00	6.53	4.53	3.57	3.80
28	4.00	8.58	6.82	12.79	12.03	10.45	12.73	10.95	6.08	4.19	3.64	3.76
29	3.93	7.71	7.86	12.45	---	10.25	13.63	11.90	5.31	3.99	3.69	3.60
30	4.03	7.11	8.64	12.04	---	9.45	13.62	12.57	5.06	3.86	3.67	3.57
31	4.23	---	8.82	12.06	---	8.59	---	12.25	---	3.85	3.65	---
MAX	---	8.58	11.42	14.56	15.14	15.35	13.63	12.90	11.41	5.48	5.16	3.95
MIN	---	3.95	5.00	6.81	9.28	8.09	5.77	5.06	4.75	3.65	3.38	3.45

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.--Base gage records good. Auxiliary gage records poor or missing. As a result, discharge was not computed for the 1997 water year. Natural flow is supplemented by effluent from operation of several oil fields upstream from station.

AVERAGE DISCHARGE.--38 years, 2,338 ft³/s, 16.72 in/yr, 1,694,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft³/s, Dec. 29, 1982, gage height, 45.88 ft, from floodmark; minimum discharge, 9.6 ft³/s, Sept. 26, 27, 1980, gage height, 4.87 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height, 34.95 ft, Feb. 17; minimum daily gage height, 5.05 ft, Sep. 20-23.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.70	8.46	10.51	20.36	28.76	33.82	26.74	33.37	25.24	12.97	7.15	5.20
2	8.99	7.57	14.01	19.64	29.41	33.88	26.31	33.12	25.54	11.97	6.65	5.24
3	8.44	6.93	16.45	18.22	29.75	33.47	25.87	32.55	25.32	10.88	6.33	5.29
4	8.59	6.50	17.33	16.42	29.87	32.93	25.52	31.96	25.07	9.79	6.09	5.31
5	9.19	6.23	16.97	15.02	29.76	32.49	25.59	31.46	24.94	9.02	5.91	5.37
6	10.00	6.04	16.11	14.19	29.33	32.24	26.47	30.94	24.76	8.49	5.80	5.36
7	10.74	6.03	14.84	13.70	28.74	32.11	26.91	30.31	24.27	8.68	5.71	5.32
8	11.13	6.28	13.43	13.45	28.78	32.31	27.07	29.49	23.17	9.25	5.66	5.25
9	10.81	6.58	12.67	14.32	28.87	32.56	27.24	28.40	21.12	9.03	5.73	5.22
10	9.58	6.45	12.34	14.65	28.66	32.37	27.28	26.99	18.89	9.61	5.86	5.19
11	8.19	6.47	11.89	14.40	28.30	31.85	27.23	25.35	18.35	9.44	5.90	5.15
12	7.18	6.54	11.23	14.09	28.28	31.17	27.24	23.85	18.99	8.95	5.89	5.12
13	6.60	6.50	10.68	13.79	30.32	30.60	27.29	22.81	19.22	8.70	5.91	5.10
14	6.28	6.40	10.46	13.59	31.84	30.23	27.30	22.15	18.71	8.50	5.85	5.09
15	6.09	6.29	10.49	13.74	33.47	29.83	27.12	21.57	18.38	8.11	5.81	5.08
16	5.97	6.26	12.66	15.50	34.77	29.39	26.74	20.85	17.86	7.66	5.80	5.07
17	5.92	6.34	19.95	16.89	34.95	28.95	26.18	20.17	16.79	7.28	5.79	5.07
18	10.06	6.51	22.48	17.22	34.63	28.64	25.49	19.67	15.71	6.94	5.92	5.06
19	12.02	6.88	22.83	17.15	34.19	29.06	24.65	19.27	14.71	6.65	5.98	5.06
20	9.39	6.81	23.23	16.89	33.57	29.18	23.85	18.91	13.72	6.42	5.88	5.05
21	7.83	6.53	23.48	16.43	33.29	28.96	23.29	20.32	12.87	6.27	5.74	5.05
22	6.98	6.33	23.29	15.79	32.68	28.75	22.88	23.26	12.16	6.13	5.63	5.05
23	6.44	6.25	22.73	15.43	32.04	28.65	22.56	23.44	11.55	5.99	5.54	5.05
24	6.12	6.22	21.82	15.23	31.47	28.56	22.29	22.52	10.96	5.93	5.46	5.08
25	6.07	6.25	20.35	15.41	31.34	28.35	22.04	22.34	10.53	6.00	5.39	5.29
26	13.34	6.92	18.87	15.87	31.60	28.52	23.89	22.35	10.45	6.18	5.34	5.51
27	17.64	8.61	18.02	16.47	32.27	28.77	26.99	22.08	10.73	6.22	5.29	5.91
28	16.00	9.36	17.60	22.72	33.10	28.41	29.36	22.44	11.11	6.07	5.26	5.96
29	13.52	9.27	17.93	26.51	---	27.89	30.98	23.44	12.19	6.10	5.24	5.70
30	11.49	9.21	20.09	27.50	---	27.46	32.63	24.02	12.61	8.27	5.24	5.47
31	9.73	---	20.68	28.06	---	27.10	---	24.52	---	8.09	5.23	---
MAX	17.64	9.36	23.48	28.06	34.95	33.88	32.63	33.37	25.54	12.97	7.15	5.96
MIN	5.92	6.03	10.46	13.59	28.28	27.10	22.04	18.91	10.45	5.93	5.23	5.05

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW 1/4 SE 1/4 sec. 31, T. 7 N., R. 1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi upstream from Sugar Branch, 0.8 mi upstream from water-supply diversion dam, 0.8 mi north of Pollock, and 1.3 mi downstream from Dyson Creek.

DRAINAGE AREA.--51 mi², approximately.

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

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

GAGE.--Water-stage recorder with a 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.--Records good except for periods of estimated discharge, which are fair.

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)
Feb. 13	0500	*2,820	*11.76	Apr. 27	unknown	unknown	unknown

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	28	40	48	49	e101	e36	e45	31	27	23	32
2	18	25	31	42	45	e90	e27	e41	28	25	23	78
3	18	24	28	39	43	e77	e25	e39	27	24	21	46
4	18	23	27	37	178	e55	e23	37	26	22	20	49
5	17	23	27	34	87	e45	e178	35	26	21	20	27
6	17	23	26	32	55	e40	e102	34	25	38	19	22
7	16	82	25	44	99	e37	e60	33	25	193	18	21
8	16	77	24	81	191	e34	e45	32	25	52	22	19
9	16	36	23	101	80	e33	e32	31	31	36	55	19
10	15	30	23	56	66	e31	e23	31	30	31	80	20
11	17	27	26	43	57	e30	e20	29	28	27	55	19
12	17	25	24	38	490	e28	e92	28	31	25	29	18
13	17	24	23	41	2160	e210	e60	28	49	23	25	17
14	15	24	23	42	378	e625	e35	27	51	23	23	17
15	15	23	28	89	131	e120	e21	26	35	24	22	16
16	15	22	246	119	94	e44	e18	26	28	23	21	16
17	15	41	254	59	e78	e34	e17	25	35	22	21	16
18	73	109	80	47	e70	e115	e24	35	43	20	20	16
19	30	48	51	42	e66	e310	e18	50	30	20	19	16
20	19	37	43	40	e63	e130	e17	33	27	19	19	15
21	18	32	39	38	e242	e80	e16	198	26	19	18	15
22	19	28	37	51	e90	e58	e15	86	24	19	19	15
23	19	27	35	52	e64	e50	e26	46	23	24	22	17
24	24	28	36	48	e56	e44	e19	77	22	35	20	26
25	106	40	35	40	e435	e38	e17	129	32	26	18	22
26	535	33	40	35	e210	e69	e200	56	229	21	17	20
27	85	28	52	47	e322	e52	e1300	41	56	20	17	18
28	46	26	43	359	e137	e40	e350	42	39	20	16	17
29	37	27	133	131	---	e33	e108	37	34	21	16	17
30	40	39	115	69	---	e29	e56	33	30	31	16	16
31	35	---	60	56	---	e28	---	32	---	29	16	---
TOTAL	1366	1059	1697	2000	6036	2710	2980	1442	1146	960	750	682
MEAN	44.1	35.3	54.7	64.5	216	87.4	99.3	46.5	38.2	31.0	24.2	22.7
MAX	535	109	254	359	2160	625	1300	198	229	193	80	78
MIN	15	22	23	32	43	28	15	25	22	19	16	15
AC-FT	2710	2100	3370	3970	11970	5380	5910	2860	2270	1900	1490	1350
CFSM	.86	.69	1.07	1.27	4.23	1.71	1.95	.91	.75	.61	.47	.45
IN.	1.00	.77	1.24	1.46	4.40	1.98	2.17	1.05	.84	.70	.55	.50

e Estimated

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1997, BY WATER YEAR (WY)

MEAN	33.4	48.3	69.5	95.2	112	100	101	84.9	42.5	35.0	25.1	28.9
MAX	288	391	470	352	474	313	462	698	284	240	105	161
(WY)	1985	1988	1983	1990	1966	1995	1991	1953	1989	1969	1961	1985
MIN	7.87	12.4	15.7	19.4	25.1	23.5	21.5	15.4	10.1	9.22	6.85	5.82
(WY)	1964	1968	1955	1956	1964	1955	1956	1956	1963	1956	1963	1956

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1943 - 1997		
ANNUAL TOTAL	16506		22828				
ANNUAL MEAN	45.1		62.5		64.7		
HIGHEST ANNUAL MEAN					139		
LOWEST ANNUAL MEAN					22.7		
HIGHEST DAILY MEAN	776	Apr 15	2160	Feb 13	10100	May 17	1953
LOWEST DAILY MEAN	15	Aug 27	15	many days	3.9	Sep 28	1956
ANNUAL SEVEN-DAY MINIMUM	16	Oct 10	16	Sep 16	4.1	Sep 24	1956
INSTANTANEOUS PEAK FLOW			2820	Feb 13	23500	Apr 29	1953
INSTANTANEOUS PEAK STAGE			11.76	Feb 13	18.58	Nov 16	1987
INSTANTANEOUS LOW FLOW			14	many days	3.7	Sep 29	1956
INSTANTANEOUS LOW STAGE			2.85	Oct 17	1.08	Sep 29	1956
ANNUAL RUNOFF (AC-FT)	32740		45280		46910		
ANNUAL RUNOFF (CFSM)	.88		1.23		1.27		
ANNUAL RUNOFF (INCHES)	12.04		16.65		17.25		
10 PERCENT EXCEEDS	69		104		95		
50 PERCENT EXCEEDS	28		31		30		
90 PERCENT EXCEEDS	17		17		13		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.95	3.10	3.23	3.31	3.32	---	---	---	3.14	3.09	3.03	3.14
2	2.95	3.06	3.14	3.26	3.29	---	---	---	3.10	3.06	3.02	3.46
3	2.95	3.04	3.10	3.23	3.26	---	---	3.25	3.08	3.03	2.99	3.28
4	2.93	3.03	3.08	3.20	4.03	---	---	3.21	3.07	3.02	2.98	3.30
5	2.93	3.03	3.08	3.18	3.57	---	---	3.18	3.06	2.99	2.97	3.09
6	2.92	3.02	3.07	3.15	3.37	---	---	3.17	3.06	3.13	2.95	3.01
7	2.91	3.46	3.06	3.27	3.60	---	---	3.16	3.05	4.14	2.95	2.99
8	2.90	3.50	3.04	3.52	4.11	---	---	3.15	3.06	3.34	3.01	2.97
9	2.89	3.19	3.03	3.64	3.54	---	---	3.14	3.14	3.19	3.30	2.96
10	2.88	3.13	3.02	3.38	3.45	---	---	3.14	3.12	3.14	3.51	2.98
11	2.93	3.09	3.07	3.26	3.38	---	---	3.10	3.10	3.08	3.35	2.96
12	2.93	3.06	3.04	3.21	5.63	---	---	3.09	3.12	3.05	3.11	2.93
13	2.92	3.04	3.03	3.24	10.93	---	---	3.10	3.32	3.03	3.06	2.93
14	2.88	3.04	3.02	3.26	5.34	---	---	3.08	3.34	3.02	3.03	2.91
15	2.88	3.03	3.08	3.55	3.79	---	---	3.07	3.18	3.04	3.01	2.91
16	2.87	3.01	4.52	3.74	3.62	---	---	3.06	3.10	3.02	2.99	2.90
17	2.87	3.18	4.53	3.40	3.53	---	---	3.05	3.17	3.01	2.99	2.90
18	3.48	3.68	3.53	3.30	---	---	---	3.14	3.26	2.98	2.97	2.90
19	3.11	3.31	3.34	3.26	---	---	---	3.31	3.12	2.97	2.96	2.89
20	2.96	3.21	3.26	3.23	---	---	---	3.16	3.09	2.96	2.95	2.88
21	2.94	3.15	3.23	3.21	---	---	---	4.16	3.07	2.96	2.93	2.88
22	2.95	3.10	3.20	3.33	---	---	---	3.56	3.03	2.96	2.95	2.88
23	2.95	3.08	3.19	3.35	---	---	---	3.30	3.02	3.04	3.01	2.91
24	3.01	3.10	3.19	3.31	---	---	---	3.49	3.01	3.18	2.98	3.07
25	3.70	3.23	3.18	3.24	---	---	---	3.79	3.12	3.08	2.94	3.02
26	6.47	3.16	3.22	3.19	---	---	---	3.38	4.40	3.00	2.93	2.97
27	3.55	3.10	3.34	3.27	---	---	---	3.25	3.38	2.98	2.93	2.94
28	3.29	3.08	3.27	5.25	---	---	---	3.25	3.22	2.97	2.90	2.92
29	3.21	3.08	3.77	3.80	---	---	---	3.20	3.17	2.98	2.91	2.91
30	3.23	3.22	3.72	3.47	---	---	---	3.16	3.13	3.13	2.91	2.91
31	3.18	---	3.40	3.38	---	---	---	3.15	---	3.11	2.91	---
MAX	6.47	3.68	4.53	5.25	---	---	---	---	4.40	4.14	3.51	3.46
MIN	2.87	3.01	3.02	3.15	---	---	---	---	3.01	2.96	2.90	2.88

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

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

DRAINAGE AREA.--1,125,300 mi², contributing.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1954 to September 1972, October 1974 to April 17, 1990.

WATER TEMPERATURES: August 1954 to September 1972, October 1974 to April 17, 1990.

SULFATE: October 1974 to September 1978.

CHLORIDE: October 1974 to April 17, 1990.

DISSOLVED SOLIDS: October 1978 to April 17, 1990.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURES: Maximum daily, 32.0 °C July 24, 1983; minimum daily, 1.0 °C Jan. 29, 30, 1961, Dec. 25, 1989.

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

CHLORIDE: Maximum daily, 63 mg/L July 5, 1977; minimum daily, 7.2 mg/L Nov. 2, 1984.

DISSOLVED SOLIDS: Maximum, 321 mg/L Jan. 21-31, 1981; minimum, 125 mg/L Mar. 1-10, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUCT- ANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)
NOV 1996												
25...	1500	522000	345	7.64	11.5	20	<1.0	<1	9.6	13	--	680
JAN 1997												
15...	1000	602000	328	8.00	9.5	40	47	<1	10.3	--	1.2	230
FEB												
03...	1245	648000	323	7.87	6.0	30	95	<1	9.6	--	0.9	1400
20...	0945	846000	320	7.21	6.5	10	71	<1	9.0	--	1.1	780
MAR												
14...	1330	1180000	275	7.87	14.0	15	72	<1	10.0	--	1.6	460
26...	1130	1160000	256	7.75	13.0	15	47	<1	8.7	--	0.9	820
APR												
08...	1030	1370000	299	7.88	15.0	10	28	<1	8.6	<10	1.2	120
24...	1030	857000	345	7.84	15.0	10	40	<1	9.8	--	1.6	190
MAY												
06...	1030	812000	361	7.30	16.0	15	53	<1	8.1	--	1.1	K140
JUN												
09...	1200	676000	408	7.99	21.5	--	68	<1	6.8	--	1.1	320
19...	1300	763000	353	7.92	23.0	15	40	<1	6.7	--	0.4	150
JUL												
09...	1300	668000	379	7.98	28.5	5	22	<1	6.6	--	1.0	K50
AUG												
04...	1115	346000	460	8.00	30.5	10	20	<1	7.3	--	1.1	--
26...	1030	280000	473	8.29	28.0	10	16	<1	9.7	--	--	K28
SEP												
23...	1200	235000	503	7.80	27.0	0	15	<1	7.3	--	0.7	<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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	COLI-FORM, FECAL, 0.7 μ M-MF (COLS/100 ML) (31625)	STREP-TOCOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CaCO_3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO_3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO_4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV 1996											
25...	92	K49	130	34	10	18	3.5	87	48	19	0.20
JAN 1997											
15...	--	460	110	--	8.9	12	2.4	99	36	15	0.14
FEB											
03...	<2	--	130	36	10	15	2.8	94	41	16	0.17
20...	450	200	120	32	8.9	16	2.7	82	35	18	0.14
MAR											
14...	110	130	100	28	7.5	11	3.2	76	28	16	0.11
26...	K42	--	98	27	7.2	9.4	2.8	77	28	12	0.14
APR											
08...	K21	K47	110	31	8.5	9.6	2.6	82	33	12	0.18
24...	K44	K16	140	38	12	16	3.1	102	44	16	0.16
MAY											
06...	K23	K27	130	33	11	16	3.3	99	46	17	0.16
JUN											
09...	80	110	150	40	12	18	3.3	107	63	19	0.18
19...	K27	K38	130	36	11	15	3.2	97	51	16	0.18
JUL											
09...	K20	--	130	36	11	19	3.3	110	49	18	0.18
AUG											
04...	--	--	170	45	15	27	3.7	125	72	20	0.27
26...	K5	K30	170	42	15	29	3.5	122	70	21	0.24
SEP											
23...	K4	K7	180	44	17	32	3.6	122	84	18	0.32
DATE	SILICA, DIS-SOLVED (MG/L AS SiO_2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO_2+NO_3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV 1996											
25...	6.0	214	196	0.010	0.730	<0.015	0.40	0.20	0.20	0.06	0.05
JAN 1997											
15...	5.9	191	173	0.028	1.28	0.030	0.66	0.24	0.20	0.03	0.04
FEB											
03...	6.9	195	192	0.033	1.37	0.040	0.55	0.20	0.16	0.04	0.03
20...	6.3	186	174	0.030	1.16	0.043	0.61	0.29	0.20	0.06	0.04
MAR											
14...	5.7	161	150	0.030	1.10	0.030	0.40	0.30	0.06	<0.01	0.04
26...	6.1	153	141	0.026	1.25	<0.015	0.46	<0.20	0.15	0.04	0.04
APR											
08...	5.7	175	158	0.017	1.34	0.025	0.36	0.21	0.09	0.03	0.05
24...	6.9	211	204	0.014	1.37	<0.015	0.62	0.29	0.23	0.05	0.06
MAY											
06...	6.7	224	200	0.028	1.43	<0.015	0.57	0.24	0.20	0.04	0.05
JUN											
09...	4.1	243	228	<0.010	1.28	<0.015	0.64	<0.20	0.24	0.05	0.05
19...	5.2	223	205	<0.010	2.01	0.015	0.33	<0.20	0.10	0.05	0.06
JUL											
09...	5.2	235	210	<0.010	1.27	<0.015	0.40	0.21	0.15	0.07	0.08
AUG											
04...	5.6	296	276	<0.010	1.22	<0.015	0.50	<0.20	0.15	0.06	0.09
26...	2.6	280	261	<0.010	0.792	<0.015	0.64	<0.20	0.13	0.04	0.06
SEP											
23...	5.7	299	288	<0.010	0.664	<0.020	0.45	0.24	0.15	0.07	0.08

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

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

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

				RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)				
DATE				NOV 1996 25...	120	--	--	--	--			
APR 1997 08...				30	0.02	1.3	0.02	0.06				
DATE	ALUM- INUM, DIS- SOLVED (µG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (µG/L AS SB) (01095)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	BARIUM, DIS- SOLVED (µG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE) (01010)	BORON, DIS- SOLVED (µG/L AS B) (01020)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	COBALT, DIS- SOLVED (µG/L AS CO) (01035)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)
NOV 1996 25...	2.0	<1.0	1	48	<1.0	37	<1.0	<1.0	<1.0	2.0	4.0	<1.0
JAN 1997 15...	5.4	<1.0	<1	42	<1.0	28	<1.0	<1.0	<1.0	--	13	<1.0
FEB 03...	4.7	<1.0	<1	47	<1.0	33	<1.0	<1.0	<1.0	2.8	8.3	<1.0
20...	3.7	<1.0	<1	43	<1.0	27	<1.0	<1.0	<1.0	1.6	11	<1.0
MAR 14...	3.4	<1.0	<1	43	<1.0	22	<1.0	<1.0	<1.0	2.3	5.1	<1.0
26...	3.0	<1.0	<1	47	<1.0	23	<1.0	<1.0	<1.0	1.5	16	<1.0
APR 08...	2.9	<1.0	<1	46	<1.0	24	<1.0	1.7	<1.0	1.1	11	<1.0
24...	2.4	<1.0	1	56	<1.0	35	<1.0	2.2	<1.0	2.1	<3.0	<1.0
MAY 06...	4.0	<1.0	1	53	<1.0	30	<1.0	1.5	<1.0	6.5	5.6	<1.0
JUN 09...	7.1	<1.0	1	61	<1.0	38	<1.0	1.2	<1.0	2.2	3.9	<1.0
19...	8.0	<1.0	1	57	<1.0	29	<1.0	<1.0	<1.0	2.1	<3.0	<1.0
JUL 09...	3.3	<1.0	2	57	<1.0	43	<1.0	2.1	<1.0	1.7	<3.0	<1.0
AUG 04...	6.4	<1.0	2	71	<1.0	56	<1.0	2.5	<1.0	2.5	<3.0	1.9
26...	4.8	<1.0	2	63	<1.0	57	<1.0	1.6	<1.0	1.5	<3.0	<1.0
SEP 23...	3.8	<1.0	1	69	<1.0	73	<1.0	1.0	<1.0	2.2	<3.0	<1.0
DATE	LITHIUM DIS- SOLVED (µG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO) (01060)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (µG/L AS SE) (01145)	SILVER, DIS- SOLVED (µG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (µG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (µG/L AS V) (01085)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (µG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
NOV 1996 25...	5	1.0	2.0	2.0	<1	<1.0	160	<1	3.0	<1.0	3.9	1.8
JAN 1997 15...	<4	3.0	<1.0	--	<1	<1.0	131	<6	--	<1.0	3.6	1.7
FEB 03...	4	2.2	1.2	2.3	<1	<1.0	149	<6	1.8	<1.0	3.1	2.4
20...	<4	2.5	1.0	1.3	<1	<1.0	140	<6	1.9	<1.0	3.6	1.4
MAR 14...	<4	4.4	<1.0	1.1	<1	<1.0	120	<6	1.5	<1.0	3.6	2.3
26...	<4	7.3	<1.0	1.2	<1	<1.0	108	<6	2.0	<1.0	3.3	0.9
APR 08...	<4	3.7	1.0	1.6	<1	<1.0	122	<6	2.9	<1.0	3.2	0.5
24...	8	2.2	1.3	1.3	<1	<1.0	159	<6	2.7	1.2	3.9	1.9
MAY 06...	6	4.8	1.2	1.6	<1	<1.0	148	<6	6.3	1.2	4.0	1.4
JUN 09...	12	<1.0	2.0	1.3	<1	<1.0	180	<6	<1.0	1.5	3.3	2.7
19...	8	1.3	1.5	1.7	<1	<1.0	168	<6	<1.0	<1.0	3.3	1.2
JUL 09...	8	<1.0	1.7	1.0	<1	<1.0	169	<6	<1.0	1.1	3.4	0.9
AUG 04...	14	<1.0	2.5	1.8	<1	<1.0	232	<6	3.9	1.9	3.1	1.1
26...	15	<1.0	2.5	1.5	<1	<1.0	226	<6	2.8	1.9	3.2	1.0
SEP 23...	17	<1.0	2.7	1.3	<1	<1.0	251	<6	2.3	2.1	--	0.7

< 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 1996 TO SEPTEMBER 1997

DATE	ARSENIC TOTAL (μG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (μG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (μG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (μG/L AS CR) (01034)	CHRO- MIUM, HEXA- VALENT, DIS. (μG/L AS CR) (01032)	COPPER, TOTAL RECOV- ERABLE (μG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (μG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (μG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (μG/L AS MN) (01055)
NOV 1996 25...	2	<0.5	<1	3	<1	8	4200	5	240
APR 1997 08...	2	<0.5	<1	<1	<5	2	1300	<1	59

DATE	MERCURY TOTAL RECOV- ERABLE (μG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (μG/L AS NI) (01067)	SELE- NIUM, TOTAL (μG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (μG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (μG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)
NOV 1996 25...	<0.1	7	<1	20	6.5	<0.01	8	<1
APR 1997 08...	<0.1	1	<1	6	4.7	--	<1	<1

DATE	PROP- CHLOR, WATER, DISS, REC (μG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (μG/L) (04028)	SI- MAZINE, WATER, DISS, REC (μG/L) (04035)	PRO- METON, WATER, DISS, REC (μG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (μG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (μG/L) (04041)	FONOFOS WATER, DISS, REC (μG/L) (04095)	ALPHA BHC DIS- SOLVED (μG/L) (34253)	P,P' DDE DISSOLV (μG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (μG/L) (38933)	LINDANE DIS- SOLVED (μG/L) (39341)
NOV 1996 25...	<0.007	<0.002	0.029	E0.006	E0.011	0.013	<0.003	<0.002	<0.006	<0.004	<0.004
JAN 1997 15...	<0.007	<0.002	0.020	<0.018	E0.037	0.027	<0.003	<0.002	<0.006	<0.004	<0.004
FEB 03...	<0.007	<0.002	0.024	E0.004	E0.024	0.015	<0.003	<0.002	<0.006	<0.004	<0.004
20...	<0.007	<0.002	0.018	E0.007	E0.012	0.016	<0.003	<0.002	<0.006	<0.004	<0.004
MAR 14...	<0.007	<0.002	0.022	E0.006	E0.029	0.024	<0.003	<0.002	<0.006	<0.004	<0.004
26...	<0.007	<0.002	0.011	E0.004	E0.011	0.014	<0.003	<0.002	<0.006	<0.004	<0.004
APR 08...	<0.007	<0.002	0.011	E0.006	E0.010	0.009	<0.003	<0.002	E0.002	<0.004	<0.004
24...	<0.007	<0.002	0.055	E0.006	E0.031	0.064	<0.003	<0.002	<0.006	<0.004	<0.004
MAY 06...	<0.007	<0.002	0.048	E0.009	E0.054	0.102	<0.003	<0.002	<0.006	0.005	<0.004
JUN 09...	<0.007	E0.002	0.144	E0.011	E0.089	0.285	<0.003	<0.002	E0.002	<0.004	<0.004
19...	<0.007	<0.002	0.408	E0.013	E0.173	0.739	<0.003	<0.002	<0.006	0.018	<0.004
JUL 09...	<0.007	<0.002	0.101	E0.013	E0.088	0.266	<0.003	<0.002	<0.006	<0.004	<0.004
AUG 04...	<0.007	<0.002	0.032	E0.011	E0.050	0.077	<0.003	<0.002	<0.006	<0.004	<0.004
26...	<0.007	<0.002	0.031	E0.010	E0.053	0.060	<0.003	<0.002	<0.006	<0.004	<0.004
SEP 23...	<0.007	<0.002	0.020	E0.017	E0.017	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004

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

E Estimated.

LOWER MISSISSIPPI RIVER BASIN
07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	DI- ELDRIN DIS- SOLVED (µG/L) (39381)	METO- LACHLOR WATER DISSOLV (µG/L) (39415)	MALA- THION, DIS- SOLVED (µG/L) (39532)	PARA- THION, DIS- SOLVED (µG/L) (39542)	DI- AZINON, DIS- SOLVED (µG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (µG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (µG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (µG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (µG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (µG/L) (82660)	TRI- FLUR- ALIN 0.7 U GF, REC (µG/L) (82661)
NOV 1996											
25...	<0.001	0.044	<0.005	<0.004	<0.002	0.161	0.004	E0.004	E0.002	<0.003	E0.002
JAN 1997											
15...	<0.001	0.049	<0.005	<0.004	<0.002	0.104	0.006	0.006	<0.004	<0.003	<0.002
FEB											
03...	<0.001	0.045	<0.005	<0.004	<0.002	0.092	0.005	0.016	<0.004	<0.003	<0.002
20...	<0.001	0.071	<0.005	<0.004	<0.002	0.075	0.005	0.011	<0.004	<0.003	<0.002
MAR											
14...	<0.001	0.086	<0.005	<0.004	<0.002	0.104	0.005	0.009	<0.004	<0.003	0.008
26...	<0.001	0.073	<0.005	<0.004	<0.002	0.074	0.004	0.009	<0.004	<0.003	E0.004
APR											
08...	<0.001	0.110	<0.005	<0.004	<0.002	0.087	0.005	0.011	<0.004	<0.003	<0.002
24...	<0.001	0.344	<0.005	<0.004	E0.004	0.727	0.036	0.078	<0.010	<0.003	E0.003
MAY											
06...	<0.001	0.572	<0.005	<0.004	0.012	1.41	0.039	0.124	0.065	<0.003	0.005
JUN											
09...	<0.001	0.990	<0.005	<0.004	0.006	2.30	0.113	0.292	0.048	<0.003	E0.004
19...	<0.001	2.43	<0.005	<0.004	0.005	4.71	0.170	0.492	0.080	<0.003	E0.003
JUL											
09...	<0.001	0.571	<0.005	<0.004	0.005	1.49	0.030	0.066	0.021	<0.003	E0.003
AUG											
04...	<0.001	0.206	<0.005	<0.004	<0.002	0.570	0.011	0.024	0.007	<0.003	<0.002
26...	<0.001	0.140	0.007	<0.004	<0.002	0.342	0.006	0.007	<0.004	<0.003	<0.002
SEP											
23...	<0.001	0.068	<0.005	<0.004	0.005	0.228	0.005	0.014	<0.004	<0.003	<0.002
DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (µG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (µG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (µG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (µG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (µG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (µG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (µG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (µG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (µG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (µG/L) (82672)	
NOV 1996											
25...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.007	<0.004	<0.003	
JAN 1997											
15...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.014	<0.004	<0.003	
FEB											
03...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.008	<0.004	<0.003	
20...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.012	<0.004	<0.003	
MAR											
14...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.013	<0.004	<0.003	
26...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.006	<0.004	<0.003	
APR											
08...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.011	<0.004	<0.003	
24...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.007	<0.004	<0.003	
MAY											
06...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.016	<0.004	<0.003	
JUN											
09...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.009	0.016	<0.003	
19...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.011	0.038	<0.003	
JUL											
09...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.016	0.129	<0.003	
AUG											
04...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.010	0.017	<0.003	
26...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.011	<0.004	<0.003	
SEP											
23...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.007	<0.004	<0.003	

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

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (µG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (µG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (µG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (µG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (µG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (µG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (µG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (µG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (µG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (µG/L) (82682)
NOV 1996										
25...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
JAN 1997										
15...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
FEB										
03...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
20...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
MAR										
14...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	--
26...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	E0.003	<0.002	<0.002
APR										
08...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	--
24...	<0.002	E0.015	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
MAY										
06...	<0.002	E0.024	<0.013	<0.003	<0.017	E0.003	<0.004	<0.003	0.007	<0.002
JUN										
09...	<0.002	E0.014	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	E0.003	E0.001
19...	<0.002	E0.014	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	E0.002	<0.002
JUL										
09...	<0.002	E0.009	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
AUG										
04...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
26...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
SEP										
23...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (µG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (µG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (µG/L) (82685)	METHYL- AZIN- PHOS WAT FLT 0.7 U GF, REC (µG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (µG/L) (82687)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (µG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (µG/L) (70954)	SEDI- MENT, SUS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1996										
25...	<0.004	<0.003	<0.013	<0.001	<0.005	--	--	308	434000	60
JAN 1997										
15...	<0.004	<0.003	<0.013	<0.001	<0.005	<0.10	<0.10	183	297000	77
FEB										
03...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.10	<0.10	387	677000	69
20...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.35	<0.10	244	557000	69
MAR										
14...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.12	<0.10	195	520000	75
26...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.10	<0.10	242	774000	89
APR										
08...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.14	<0.10	103	321000	57
24...	<0.004	<0.003	<0.013	<0.001	<0.005	0.55	<0.10	173	400000	75
MAY										
06...	0.012	<0.003	<0.013	<0.001	<0.005	0.49	<0.10	229	502000	88
JUN										
09...	0.008	<0.003	<0.013	<0.001	<0.005	0.81	E0.05	218	398000	100
19...	0.007	<0.003	<0.013	<0.001	<0.005	1.8	0.12	82	169000	99
JUL										
09...	<0.004	<0.003	<0.013	<0.001	<0.005	0.92	<0.10	191	344000	93
AUG										
04...	<0.004	<0.003	<0.013	<0.001	<0.005	3.0	0.29	83	78000	81
26...	<0.004	<0.003	<0.013	<0.001	<0.005	12	<0.10	64	48000	97
SEP										
23...	<0.004	<0.003	<0.013	<0.001	<0.005	4.9	<0.10	47	30000	98

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

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TRI- FLUR- ALIN, WATER, DISS, REC (µG/L) (04023)	HEXA- ZINONE, WATER, DISS, REC (µG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (µG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (µG/L) (04027)	BRO- MACIL, WATER, DISS, REC (µG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (µG/L) (04030)	SI- CLOATE, WATER, DISS, REC (µG/L) (04031)	TER- BACIL, WATER, DISS, REC (µG/L) (04032)	DIPHEN- AMID, WATER, DISS, REC (µG/L) (04033)	VERNO- LATE, WATER, DISS, REC (µG/L) (04034)	PRO- METRYN, WATER, DISS, REC (µG/L) (04036)
NOV 1996 25...	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
APR 1997 08...	<0.05	<0.05	<0.05	<0.05	<0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
DATE	DEISO- PROPYL ATRAZIN WATER, DISS, REC (µG/L) (04038)	AMETRYN WATER, DISS, REC, (µG/L) (38401)	PROP- AZINE WATER DISS REC (µG/L) (38535)	CHLOR- PYRIFOS TOTAL RECOVER (µG/L) (38932)	PER- THANE TOTAL (µG/L) (39034)	DEF TOTAL (µG/L) (39040)	PCNS UNFILT RECOVER (µG/L) (39250)	ALDRIN, TOTAL (µG/L) (39330)	LINDANE TOTAL (µG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (µG/L) (39350)	P,P'- DDD UNFILT RECOVER (µG/L) (39360)
NOV 1996 25...	<0.10	<0.10	<0.10	--	--	--	--	--	--	--	--
APR 1997 08...	E0.03	<0.05	<0.05	<0.01	<0.10	<0.01	<0.10	<0.01	<1	<0.1	<0.01
DATE	P,P'- DDE, TOTAL (µG/L) (39365)	P,P'- DDT UNFILT RECOVER (µG/L) (39370)	DI- ELDRIN TOTAL (µG/L) (39380)	ENDO- SULFAN, I TOTAL (µG/L) (39388)	ENDRIN WATER UNFLTRD REC (µG/L) (39390)	ETHION, TOTAL (µG/L) (39398)	TOX- APHENE, TOTAL (µG/L) (39400)	HEPTA- CHLOR, TOTAL (µG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L) (39420)	METH- OXY- CHLOR, TOTAL (µG/L) (39480)	PCB, TOTAL (µG/L) (39516)
NOV 1996 25...	--	--	--	--	--	--	--	--	--	--	--
APR 1997 08...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1
DATE	MALA- THION, TOTAL (µG/L) (39530)	PARA- THION, TOTAL (µG/L) (39540)	DI- AZINON, TOTAL (µG/L) (39570)	METHYL PARA- THION, TOTAL (µG/L) (39600)	2,4-D, TOTAL (µG/L) (39730)	2,4,5-T TOTAL (µG/L) (39740)	MIREX, TOTAL (µG/L) (39755)	SILVEX, TOTAL (µG/L) (39760)	TOTAL TRI- THION (µG/L) (39786)	2, 4-DP TOTAL (µG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (µG/L) (82614)
NOV 1996 25...	--	--	--	--	<0.01	<0.01	--	<0.01	--	<0.01	--
APR 1997 08...	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.02	<0.01	<0.02	<0.01

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

E Estimated.

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)

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

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

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

PERIOD OF DAILY RECORD.--

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

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

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

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

DISSOLVED SOLIDS: October 1978 to April 19, 1990.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

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

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	SETTLABLE MATTER (ML/L/HR) (50086)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI-FORM, FECAL, 0.7 μM-MF (COLS./100 ML) (31625)
APR 1997												
09...	1130	299	7.51	15.5	10	--	<1	8.8	12	1.7	300	28
AUG												
05...	1045	524	7.76	32.0	5	20	<1	7.0	--	1.0	280	1000
SEP												
24...	1035	523	7.86	27.5	0	3.9	<1	6.5	--	0	220	K130

DATE	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)	ALKALINITY WATER WHOLE FIELD (MG/L AS CaCO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
APR 1997											
09...	120	32	9.0	86	33	14	0.2	180	73	--	0.020
AUG											
05...	190	48	16	136	73	32	0.3	318	43	--	<0.010
SEP											
24...	180	45	16	132	82	27	0.4	300	--	12	<0.010

DATE	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
APR 1997											
09...	0.019	1.3	1.3	0.030	0.033	0.44	0.52	0.12	0.05	0.07	0.05
AUG											
05...	<0.010	1.4	1.4	--	0.020	0.49	0.32	0.12	0.06	0.10	0.10
SEP											
24...	<0.010	0.71	0.71	0.010	0.014	0.32	<0.20	0.08	0.06	0.09	0.09

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

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

LOWER MISSISSIPPI RIVER BASIN
07374400 MISSISSIPPI RIVER AT LULING, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

		ARSENIC TOTAL (μG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (μG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (μG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (μG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (μG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (μG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (μG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (μG/L AS MN) (01055)		
APR 1997 09...		2	<0.5	<1	2	3	2600	3	110		
DATE		MERCURY TOTAL RECOV- ERABLE (μG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (μG/L AS NI) (01067)	SELE- NIUM, TOTAL (μG/L AS SE) (01147)	VANA- DIUM, DIS- SOLVED (μG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (μG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (μG/L) (32730)			
APR 1997 09...		<0.1	4	<1	<1	10	<0.01	<1			
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TRI- FLUR- ALIN, WATER, DISS, REC (μG/L) (04023)	PROP- CHLOR, WATER, DISS, REC (μG/L) (04024)	HEXA- ZINONE, WATER, DISS, REC (μG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (μG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (μG/L) (04027)	BUTYL- ATE, WATER, DISS, REC (μG/L) (04028)	BRO- MACIL, WATER, DISS, REC (μG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (μG/L) (04030)	SI- CLOATE, WATER, DISS, REC (μG/L) (04031)	TER- BACIL, WATER, DISS, REC (μG/L) (04032)
APR 1997 09...	4.9	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05	<0.05
AUG 05...	5.5	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05	<0.05
SEP 24...	3.4	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05	<0.05
DATE	DIPHEN- AMID, WATER, DISS, REC (μG/L) (04033)	VERNO- LATE, WATER, DISS, REC (μG/L) (04034)	SI- MAZINE, WATER, DISS, REC (μG/L) (04035)	PRO- METRYN, WATER, DISS, REC (μG/L) (04036)	PRO- METON, WATER, DISS, REC (μG/L) (04037)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (μG/L) (04038)	DEETHYL ATRA- ZINE, WATER, DISS, REC (μG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (μG/L) (04041)	AMETRYN WATER, DISS, REC (μG/L) (38401)	PROP- AZINE WATER DISS REC (μG/L) (38535)	METO- LACHLOR WATER DISSOLV (μG/L) (39415)
APR 1997 09...	<0.05	<0.05	E0.030	<0.050	<0.050	E0.031	E0.043	E0.037	<0.050	<0.050	0.118
AUG 05...	<0.05	<0.05	0.050	<0.050	<0.050	0.059	0.157	E0.196	<0.050	E0.029	0.259
SEP 24...	<0.05	<0.05	E0.025	<0.050	<0.050	<0.050	0.074	E0.067	<0.050	<0.050	0.090
DATE	ATRA- ZINE, WATER, DISS, REC (μG/L) (39632)	2,4-D, TOTAL (μG/L) (39730)	2,4,5-T TOTAL (μG/L) (39740)	SILVEX, TOTAL (μG/L) (39760)	ALA- CHLOR, WATER, DISS, REC, (μG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (μG/L) (49260)	2, 4-DP TOTAL (μG/L) (82183)	METRI- BUZIN SENCOR WATER DISSOLV (μG/L) (82630)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (μG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (μG/L) (70954)	
APR 1997 09...	0.098	<0.02	<0.02	<0.02	<0.050	<0.050	<0.02	<0.050	--	--	
AUG 05...	0.652	<0.01	<0.01	<0.01	<0.050	E0.041	<0.01	<0.050	2.2	<0.1	
SEP 24...	0.219	<0.01	<0.01	<0.01	<0.050	E0.034	<0.01	<0.050	1.1	<0.1	

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

LOWER MISSISSIPPI RIVER BASIN
07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA

(National stream-quality accounting network station)

LOCATION.--Lat 29°51'25", long 89°58'40", in lot 20, T.14 S., R.12 E., Plaquemines Parish, Hydrologic Unit 08090100, at ferry crossing at Belle Chasse and at mile 76.0.

DRAINAGE AREA.--1,125,930 mi², arbitrarily determined.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to May 1990.

WATER TEMPERATURES: October 1975 to May 1990.

CHLORIDE: October 1974 to May 1990.

SULFATE: October 1974 to September 1978.

DISSOLVED SOLIDS: October 1978 to May 1990.

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 1.5 °C was observed on Feb. 9, 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 692 microsiemens Jan. 31, 1981; minimum daily, 223 microsiemens Mar. 7, 1989.

WATER TEMPERATURES: Maximum daily, 38.0 °C June 9, 1984; minimum daily, 2.0 °C Feb. 7, 1984.

CHLORIDE: Maximum daily, 85 mg/L June 26, 27, 1977; minimum daily, 11 mg/L Apr. 21, May 12, 1975, May 12, 1984, Mar. 7, 1989.

SULFATE: Maximum daily, 93 mg/L Oct. 30, 1976; minimum daily, 28 mg/L Feb. 3, 1975.

DISSOLVED SOLIDS: Maximum, 415 mg/L Nov. 1-10, 1988; minimum, 145 mg/L Feb. 21-28, 1989, Mar. 1-10, 1990.

WATER-QUALITY DATA

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 μM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)		
		MAY 1997 07... JUN 20...	1320 1230	682000 676000	364 357	7.28 7.90	16.0 23.5	-- 20	8.6 6.4	1.4 0.3	800 K2200	1100 150	420 420
DATE		ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	
MAY 1997 07... JUN 20...	95 98	0.017 <0.010	1.23 1.81	<0.015 <0.015	0.59 0.49	0.21 <0.20	0.19 0.17	0.05 0.09	0.04 0.07	3.8 3.6	1.4 1.3		
DATE		PROP- CHLOR, WATER, DISS, REC (μG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (μG/L) (04028)	SI- MAZINE, WATER, DISS, REC (μG/L) (04035)	PRO- METON, WATER, DISS, REC (μG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (μG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (μG/L) (04041)	FONOFOS WATER DISS REC (μG/L) (04095)	ALPHA BHC DIS- SOLVED (μG/L) (34253)	P,P' DDE DISSOLV (μG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (μG/L) (38933)	LINDANE DIS- SOLVED (μG/L) (39341)	DI- ELDRIN DIS- SOLVED (μG/L) (39381)
		MAY 1997 07...	<0.007	<0.002	0.044	<0.018	E0.039	0.079	<0.003	<0.002	<0.006	<0.004	<0.004

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

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

E Estimated.

LOWER MISSISSIPPI RIVER BASIN
07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	METO- LACHLOR WATER DISSOLV (μG/L) (39415)	MALA- THION, DIS- SOLVED (μG/L) (39532)	PARA- THION, DIS- SOLVED (μG/L) (39542)	DI- AZINON, DIS- SOLVED (μG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (μG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (μG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (μG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (μG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 μ GF, REC (μG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 μ GF, REC (μG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 μ GF, REC (μG/L) (82663)	PHORATE WATER FLTRD 0.7 μ GF, REC (μG/L) (82664)
MAY 1997 07...	0.422	0.005	<0.004	0.010	0.803	0.022	0.056	0.029	<0.003	0.004	<0.004	<0.002
DATE	TER- BACIL WATER FLTRD 0.7 μ GF, REC (μG/L) (82665)	LIN- URON WATER FLTRD 0.7 μ GF, REC (μG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 μ GF, REC (μG/L) (82667)	EPTC WATER FLTRD 0.7 μ GF, REC (μG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 μ GF, REC (μG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 μ GF, REC (μG/L) (82670)	MOL- INATE WATER FLTRD 0.7 μ GF, REC (μG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 μ GF, REC (μG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 μ GF, REC (μG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 μ GF, REC (μG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 μ GF, REC (μG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 μ GF, REC (μG/L) (82676)
MAY 1997 07...	<0.007	<0.002	<0.006	<0.002	<0.004	E0.011	<0.004	<0.003	<0.002	E0.015	<0.013	<0.003
DATE	DISUL- FOTON WATER FLTRD 0.7 μ GF, REC (μG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 μ GF, REC (μG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 μ GF, REC (μG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 μ GF, REC (μG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 μ GF, REC (μG/L) (82681)	DCPA WATER FLTRD 0.7 μ GF, REC (μG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 μ GF, REC (μG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 μ GF, REC (μG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 μ GF, REC (μG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 μ GF, REC (μG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 μ GF, REC (μG/L) (82687)	
MAY 1997 07...	<0.017	<0.001	<0.004	<0.003	0.004	<0.002	0.008	<0.003	<0.013	<0.001	<0.005	
DATE					SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)					
MAY 1997 07...					138	254000	99					
JUN 20...					95	173000	94					

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

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to Oct. 1, 1995, datum of gage was 8.4 ft below sea level. (Levels determined by Global Positioning System).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.66 ft, Oct. 5, 1996; minimum, -3.06 ft, revised, Mar. 13, 1993.

REVISIONS.--Minimum elevation has been revised to reflect the datum used prior to Oct. 1, 1995.

EXTREMES FOR CURRENT PERIOD.--Maximum elevation, 5.66 ft, Oct. 5; minimum, -1.17 ft, Jan. 19.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.51	1.33	1.95	1.97	.47	1.13	2.54	.45	1.18	1.15	.51	.82
2	2.76	1.46	2.10	1.66	.32	.79	1.64	1.06	1.36	1.09	.36	.68
3	2.97	2.04	2.49	1.98	.71	1.39	1.28	.45	.83	1.32	.30	.80
4	4.63	2.74	3.17	1.92	.81	1.41	1.57	.72	1.16	1.59	.05	.86
5	5.66	4.14	4.86	1.99	1.33	1.68	1.40	.80	.98	1.79	-.11	.88
6	5.50	4.83	5.18	1.87	1.46	1.66	1.43	.15	.78	2.98	.39	1.70
7	5.21	3.45	4.50	1.85	.99	1.52	1.14	-.04	.60	3.08	1.36	2.20
8	3.50	1.43	2.41	1.00	-.28	.32	1.14	-.47	.53	2.84	.99	1.78
9	2.25	1.45	1.71	1.39	.34	.77	1.33	-.75	.32	1.81	-.57	.08
10	1.51	.72	.99	1.38	-.58	.39	1.59	-.70	.45	1.25	-.79	.12
11	1.91	1.43	1.68	1.98	.07	.99	1.80	-.56	.66	1.77	.23	.80
12	2.19	1.24	1.66	2.15	.38	1.13	1.80	-.45	.71	1.81	.76	1.26
13	2.19	1.30	1.79	2.15	.45	1.23	1.80	-.20	.92	1.70	.85	1.33
14	2.17	.96	1.64	2.35	.19	1.16	1.78	.35	1.13	1.64	.78	1.15
15	2.51	.79	1.57	4.59	1.72	2.61	1.78	.35	1.08	1.77	.53	1.25
16	2.63	.79	1.74	4.94	3.01	3.87	1.78	-.73	.77	.53	-.56	.10
17	2.61	1.03	1.84	3.92	2.16	2.77	1.44	-.47	.79	.98	-.29	.35
18	2.50	.63	1.45	2.46	1.63	2.05	1.27	.24	.93	.76	-.89	-.02
19	2.49	.60	1.61	2.07	1.41	1.74	.53	-.77	-.19	1.05	-1.17	.00
20	1.80	.80	1.37	1.95	1.60	1.82	1.23	-.61	.35	1.30	-1.07	.19
21	1.89	1.15	1.60	1.72	1.12	1.43	1.54	-.18	.69	1.54	-.37	.67
22	2.02	.35	1.54	2.28	.94	1.69	1.60	-.05	.84	1.50	-.24	.70
23	1.92	.31	1.33	2.30	.74	1.61	1.93	-.22	.92	1.72	-.17	.87
24	2.12	1.08	1.69	3.05	.75	1.85	1.84	-.11	.81	1.64	-.18	.75
25	2.68	1.28	2.05	2.65	-.21	.76	1.85	.70	1.25	1.69	.25	.94
26	2.66	1.21	2.01	1.85	-.24	.72	1.82	.21	1.06	1.92	.87	1.41
27	2.58	.96	1.84	2.09	.49	1.24	1.78	.20	.90	1.92	.54	1.16
28	2.47	.67	1.53	2.22	.33	1.24	1.47	-.02	.85	1.66	.84	1.16
29	2.15	.53	1.35	2.96	.73	1.67	1.46	.24	.95	1.34	.95	1.14
30	2.03	.09	1.01	3.03	1.31	2.03	1.30	.40	.83	.95	.30	.65
31	2.12	.57	1.33	---	---	---	1.13	.43	.85	.84	-.02	.35
MONTH	5.66	.09	2.03	4.94	-.58	1.49	2.54	-.77	.82	3.08	-1.17	.84

MISSISSIPPI RIVER DELTA

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

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.22	-.27	.53	1.72	.71	1.31	1.91	-.30	1.05	1.46	-.01	.76
2	1.36	-.19	.65	1.75	.28	1.11	1.85	.25	1.11	1.62	.77	1.19
3	1.56	.02	.90	1.67	-.46	.64	1.78	.42	1.25	1.25	.67	.89
4	2.03	-.05	1.13	1.58	-.24	.79	2.52	1.22	1.83	2.15	.37	1.32
5	1.96	.07	.92	1.30	-.15	.73	2.58	1.43	1.99	1.74	.19	1.16
6	1.97	.66	1.28	1.82	-.14	.88	2.02	1.00	1.47	1.44	.02	.84
7	1.95	.35	1.12	1.80	1.30	1.52	2.16	.93	1.51	1.53	-.08	.89
8	1.48	-.36	.45	1.70	.07	.95	2.61	.82	1.90	1.79	-.06	.97
9	1.26	.09	.60	1.70	.41	.92	2.43	.43	1.70	1.60	-.21	.86
10	.97	-.05	.32	1.43	.35	.90	2.77	.30	1.78	3.04	-.21	1.71
11	.92	.17	.63	1.16	.31	.82	2.79	.79	1.81	2.32	.50	1.50
12	3.26	.46	1.61	1.51	.36	1.07	2.61	.69	1.64	1.91	.48	1.19
13	3.55	.98	2.09	2.11	.38	1.37	2.00	.36	1.22	1.63	-.05	.77
14	1.82	.63	1.33	1.72	.36	1.01	2.13	.90	1.47	1.02	.21	.60
15	1.70	.17	.90	2.08	.66	1.42	1.49	.48	.97	.80	.09	.47
16	.92	-.25	.38	1.93	.71	1.41	1.14	.17	.71	1.75	.37	1.10
17	.88	-.74	.20	1.70	.35	1.13	.66	-.11	.28	1.29	.75	.99
18	1.21	-.41	.47	1.53	.45	1.08	1.34	.20	.74	1.16	.33	.82
19	1.62	-.07	.81	1.30	.37	.93	.52	-.11	.18	1.41	.07	.86
20	1.96	.59	1.21	1.22	.26	.73	1.00	.19	.53	1.36	-.14	.71
21	1.85	.62	1.02	1.20	.70	.91	.93	-.15	.52	1.58	-.21	.80
22	1.66	-.20	.76	.70	.12	.41	1.22	-.21	.66	2.01	.02	1.09
23	1.86	1.23	1.51	1.66	.34	1.05	1.27	-.29	.64	1.81	-.07	1.05
24	1.88	1.05	1.51	1.57	.70	1.14	1.84	-.07	1.21	2.22	-.14	1.12
25	2.04	1.28	1.58	1.46	.59	1.05	3.10	.45	2.28	1.88	.19	1.07
26	1.58	.95	1.38	1.62	.42	1.04	4.07	1.02	2.88	1.63	.06	.97
27	1.43	.84	1.09	1.70	.47	1.17	2.67	.60	2.15	1.59	-.04	.82
28	1.66	.71	1.20	1.16	.05	.80	.84	-.26	.28	1.49	-.16	.84
29	---	---	---	1.09	-.26	.49	1.73	-.49	.78	1.80	.55	1.51
30	---	---	---	1.33	-.47	.47	1.43	.06	.82	1.86	.94	1.50
31	---	---	---	2.63	-.47	1.18	---	---	---	1.45	.61	1.05
MONTH	3.55	-.74	.99	2.63	-.47	.98	4.07	-.49	1.25	3.04	-.21	1.01

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.51	.33	1.03	---	---	---	2.62	.31	1.66	1.78	1.01	1.39
2	1.57	.02	.89	---	---	---	2.27	.92	1.68	2.02	1.00	1.55
3	1.93	-.06	1.09	---	---	---	2.21	.41	1.53	1.95	.92	1.32
4	1.90	.06	1.03	---	---	---	1.66	.15	1.00	1.76	1.16	1.60
5	1.94	.11	1.22	---	---	---	1.51	.20	.86	3.24	1.61	2.42
6	2.42	.41	1.64	---	---	---	1.63	.27	1.05	3.03	2.26	2.52
7	2.06	.24	1.22	---	---	---	1.38	.59	1.07	2.51	1.68	2.12
8	2.21	.23	1.31	1.28	.05	.91	1.36	.62	1.03	2.26	1.41	1.80
9	2.68	.73	1.92	1.03	-.05	.62	1.42	.70	1.05	2.15	.98	1.62
10	3.58	2.02	2.74	.87	-.05	.61	1.55	.40	.95	2.01	.69	1.41
11	2.30	1.53	1.88	.93	.31	.63	1.42	.66	.98	2.36	.88	1.69
12	1.89	1.09	1.62	1.10	.35	.76	1.66	.52	1.13	2.26	.96	1.72
13	1.42	.84	1.16	1.30	.56	.96	1.58	.22	.98	2.22	.99	1.73
14	1.26	.31	.85	2.24	.40	1.13	1.62	.15	.93	2.15	.81	1.61
15	1.30	.45	.87	1.71	.38	1.16	1.62	-.07	.90	2.22	1.03	1.59
16	1.43	.04	.84	1.72	-.05	1.03	1.99	.13	1.15	2.10	1.10	1.57
17	1.33	-.23	.66	2.34	.39	1.25	1.97	.12	1.14	2.10	1.17	1.63
18	---	---	---	5.33	-.20	2.10	1.84	.20	1.11	1.91	1.08	1.58
19	---	---	---	.99	-.71	.46	1.76	.22	1.10	2.22	1.00	1.67
20	---	---	---	1.48	-.71	.45	1.38	.26	.79	2.26	1.05	1.64
21	---	---	---	1.54	-.69	.66	1.53	.56	1.05	1.99	.74	1.36
22	---	---	---	1.48	-.39	.71	1.56	1.06	1.37	1.86	.56	1.26
23	---	---	---	1.37	-.03	.89	1.93	1.00	1.43	2.20	.80	1.52
24	---	---	---	1.20	.33	.92	1.98	.96	1.46	2.10	.55	1.38
25	---	---	---	.94	.51	.76	2.10	1.34	1.66	1.63	.31	1.03
26	1.30	.54	.98	.94	.41	.69	2.28	.96	1.64	---	---	---
27	---	---	---	1.42	.32	.90	1.90	.60	1.32	---	---	---
28	---	---	---	1.52	.11	.90	1.64	.55	1.15	---	---	---
29	---	---	---	1.45	-.38	.79	1.78	.49	1.27	---	---	---
30	---	---	---	1.83	.08	1.00	1.68	.59	1.20	---	---	---
31	---	---	---	1.92	-.16	1.01	1.70	.83	1.32	---	---	---
MONTH	---	---	---	---	---	---	2.62	-.07	1.19	---	---	---

MISSISSIPPI RIVER DELTA
07374526 BLACK BAY NEAR SNAKE ISLAND NEAR POINTE A LA HACHE, LA--Continued
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--The specific conductance values above 32,800 microsiemens were calculated from salinity values.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURE: Maximum daily, 33.5° C, Aug. 19, 1995; minimum daily, 2.1° C Jan. 18, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 43,600 microsiemens, Oct. 7; minimum daily, 1,750 microsiemens, Jan. 10.

WATER TEMPERATURE: Maximum daily, 32.6° C, Aug. 19; minimum daily, 2.1° C Jan. 18.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	32600	27700	30400	28800	24900	27000	31600	26300	28400	6050	3590	4470
2	32400	30300	31300	29200	24500	26400	29500	27300	29000	6730	2310	4440
3	34100	31100	33200	34900	29200	32700	27500	21700	24300	8420	4300	6440
4	35500	32700	34800	32700	30300	31800	28700	23800	26900	10400	5350	7530
5	40100	33900	36600	33400	31100	32700	28700	23600	26600	11000	3230	7440
6	43000	36500	39800	33100	31900	32500	25400	20500	24000	21500	7580	12300
7	43600	32900	38800	32700	30100	31800	25400	21200	23100	24200	14500	19200
8	33700	29500	31700	30100	22800	25200	25300	20800	23500	22200	11300	16300
9	31600	27800	29900	33900	24500	28300	24900	18000	21100	14000	2130	5100
10	28000	24900	26000	34200	17700	25300	24800	19300	21700	3410	1750	2390
11	29800	26300	29000	33600	25600	28500	25200	19300	21700	11100	3050	5360
12	30100	25600	27700	34500	30000	32000	25400	19400	21700	15400	11100	13400
13	31300	26800	29400	35200	30500	32500	25100	19000	22200	20300	9080	15200
14	35600	26700	30300	34700	30100	32200	26200	22000	24400	16000	3410	8840
15	38000	24900	30500	35100	29000	33800	26200	22600	24600	19100	3230	9500
16	39900	27700	32400	31200	28500	29500	25900	16700	23300	16500	3240	7930
17	37300	28700	32300	31600	30300	31100	24700	15900	22000	19000	7070	13800
18	35700	25300	30200	31600	31200	31400	24900	23000	24100	14600	4650	8480
19	37200	27700	33200	31300	30800	31100	---	---	---	14800	8420	10400
20	30400	25600	28000	31500	30800	31200	26700	16000	22600	22800	11300	15200
21	31100	29000	30100	31300	29700	30600	27200	19300	24100	26200	12200	19400
22	31700	25300	30200	31600	28800	30400	25900	18800	23100	26000	13200	18100
23	31300	24900	28800	31600	30400	31100	24000	17600	20800	22800	13000	17800
24	35000	27500	31200	33000	30500	31300	21700	19000	20900	22800	15200	17600
25	35700	34000	35000	32600	25600	28800	24600	20000	21500	23200	13600	16900
26	35600	31500	34400	30900	24800	26900	21200	15900	20200	---	---	---
27	34900	32000	33400	32600	30500	31600	21000	9920	17300	---	---	---
28	34400	30300	32400	31900	30100	31400	17100	6560	12100	---	---	---
29	33300	28000	30100	33000	31200	31700	15900	6220	11800	---	---	---
30	30300	25900	27600	33100	30100	31600	15100	5530	8340	---	---	---
31	29300	26500	27800	---	---	---	6900	2690	4880	---	---	---
MONTH	43600	24900	31500	35200	17700	30400	31600	2690	21300	26200	1750	11300

MISSISSIPPI RIVER DELTA

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

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	14300	8750	11400	13800	8580	11400	16000	11000	13300
2	---	---	---	11300	7750	9500	15700	10200	12000	16200	13500	15400
3	---	---	---	11500	3230	6980	14600	11500	13300	14900	11900	13300
4	---	---	---	10700	4470	7830	23200	14600	17700	17300	12400	15500
5	---	---	---	9250	5530	6950	23200	15200	18600	18500	14100	16800
6	20300	17000	18600	15200	6050	10000	15900	12400	14400	16500	12700	15100
7	20700	15200	17800	17400	12400	15100	15200	12200	13700	16400	12500	14600
8	18200	4470	9690	17100	10500	12600	18800	13000	16300	16200	12500	14400
9	18200	11900	15600	18200	10500	12700	18800	14500	16200	15200	12700	13900
10	18200	6220	12200	13200	7410	9980	18800	12700	16400	20200	12700	17200
11	23600	8920	18000	10100	7410	9410	18300	14900	16600	20000	15900	18500
12	32400	10400	20200	13800	8250	11500	16200	13000	14700	18800	16200	17700
13	31700	19100	26900	14100	10800	12900	16000	10100	13300	16800	12800	15100
14	24200	17900	21500	13200	9750	11000	16500	13600	15400	15400	12000	13900
15	24900	10400	16700	14900	9750	13200	14500	10500	12600	12800	11000	12100
16	15200	6730	11100	16700	12400	14700	10500	7750	9080	17000	12200	14800
17	19100	5180	13500	15400	11500	14000	10500	7070	8220	16000	14900	15400
18	20800	5180	13000	15200	12000	13400	14800	9080	11900	15900	14000	15200
19	22600	10700	17800	12800	8580	10200	10400	8420	9500	15400	12500	14100
20	22800	19000	21000	12200	8420	10500	11100	8250	9190	15200	12000	13900
21	22800	11500	16600	12700	8420	10100	10500	6220	8870	15700	11900	13500
22	20800	8420	13200	9420	6900	8420	10200	6050	8620	15600	12000	14300
23	24400	20800	23200	12200	8920	10700	10700	6050	8780	15900	13200	14600
24	22600	17600	20100	12700	10500	11700	19300	7750	15300	16100	12800	14500
25	23200	19100	21200	12700	10700	11800	34900	13800	25800	14300	12200	13300
26	21500	11900	18900	12000	10700	11300	34400	24700	32000	14000	11600	12900
27	14000	8750	11600	12500	10700	11700	32400	24100	29900	13300	11000	11900
28	12000	7410	10100	11300	8920	10500	24100	11000	16000	13000	10700	11900
29	---	---	---	10200	6900	8880	20300	9750	14800	14700	11300	13400
30	---	---	---	9750	5530	7560	16400	12800	14500	14700	13000	14300
31	---	---	---	12200	5880	10200	---	---	---	14200	11500	12800
MONTH	32400	4470	16900	18200	3230	10900	34900	6050	14800	20200	10700	14400
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	13100	11600	12300	---	---	---	27600	18400	24500	26400	24900	25600
2	13200	11000	12200	---	---	---	30600	25000	27000	26900	24800	26400
3	14800	11300	12900	---	---	---	30400	22700	26900	27700	23600	25800
4	15500	11400	13300	---	---	---	29300	20100	25300	29100	25900	27800
5	15500	12200	13600	---	---	---	27500	19300	23200	35100	28200	32000
6	17900	13300	15500	---	---	---	24800	19500	22700	34700	31600	33800
7	15600	13700	14600	---	---	---	24200	21300	23200	33900	31000	32400
8	15700	12800	14400	---	---	---	23300	21300	22500	32800	28900	30800
9	17800	13700	15700	17600	13200	16100	22500	20400	21500	31000	27300	29400
10	21400	17200	19400	20000	14200	16900	23400	18900	21700	29700	25500	27900
11	19300	16800	17500	19800	14500	17000	23100	20000	21300	29900	25500	28400
12	17000	14600	16100	18200	15400	17100	23400	20500	22100	30200	27600	28800
13	14800	13000	14200	19600	15700	18100	23400	19900	21700	30100	27800	28900
14	13500	11300	12700	22200	16800	19700	23100	19000	21100	30100	26900	28600
15	14500	11300	12600	21000	16600	19300	21700	18400	20300	30100	26200	28500
16	14300	11700	13200	20700	17300	19200	23100	19000	20900	29500	26500	28400
17	13500	12300	12700	21000	17300	20000	23000	19000	20900	29600	27400	28400
18	---	---	---	20800	15500	17700	22400	19000	20700	29200	27000	28100
19	---	---	---	15700	13000	14900	22700	19300	20700	29400	26900	28300
20	---	---	---	15800	12000	14200	21100	18600	19600	29600	27100	28400
21	---	---	---	16000	12400	14400	22500	18600	20100	28500	26000	27200
22	---	---	---	16400	12100	14400	24500	20800	23000	26900	25000	26100
23	---	---	---	16600	13400	15300	25700	21700	24600	27700	25500	26800
24	---	---	---	16300	13600	15300	26000	21700	24500	27300	24600	26200
25	---	---	---	15500	13900	15100	27200	22900	25700	26100	23300	24700
26	15200	13600	14600	15800	13300	14300	28600	24000	26300	---	---	---
27	---	---	---	20000	13100	16000	26100	21800	24700	---	---	---
28	---	---	---	19600	14300	16200	26400	21800	23400	---	---	---
29	---	---	---	18800	13100	16200	28600	22000	25700	---	---	---
30	---	---	---	20700	13800	17500	28500	22600	26200	---	---	---
31	---	---	---	24900	16100	21000	28700	24500	26200	---	---	---
MONTH	---	---	---	---	---	---	30600	18400	23200	35100	23300	28300

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.8	23.6	24.2	25.9	24.5	25.2	16.9	15.2	16.3	19.4	16.6	17.8
2	26.1	24.6	25.2	25.2	20.5	22.8	15.2	14.1	14.7	19.2	17.4	18.4
3	25.7	24.9	25.2	20.5	18.1	19.1	16.1	14.1	15.0	19.5	18.5	19.0
4	25.3	24.5	24.9	18.9	17.5	18.4	15.1	14.2	14.6	19.7	18.9	19.3
5	24.7	22.7	23.7	21.5	18.7	20.1	15.6	14.3	14.8	20.9	19.3	20.2
6	23.0	21.2	22.1	22.0	20.0	21.1	16.6	15.0	15.9	19.7	15.1	18.2
7	21.3	20.0	20.7	22.7	21.7	22.1	18.5	16.4	17.6	15.7	13.5	14.8
8	20.6	19.4	20.0	21.7	18.5	20.2	17.2	15.5	16.3	14.7	13.4	14.1
9	21.9	20.4	21.1	18.5	16.7	17.5	16.2	12.4	15.2	14.1	10.6	12.6
10	22.6	21.1	21.8	17.9	15.7	17.1	16.9	15.2	16.1	11.1	9.4	10.5
11	21.7	20.4	20.9	18.6	16.8	17.5	17.7	16.1	17.0	10.7	9.1	9.7
12	21.3	20.0	20.7	17.8	16.9	17.4	18.8	17.0	17.9	9.5	7.9	8.6
13	22.2	20.7	21.5	18.1	16.6	17.4	19.0	18.0	18.4	8.0	6.7	7.4
14	23.1	21.5	22.2	18.9	17.2	18.0	19.1	17.8	18.3	7.2	6.0	6.6
15	23.7	21.9	22.8	19.1	18.0	18.6	19.1	17.6	18.3	9.3	6.5	7.7
16	25.3	22.6	23.8	18.7	18.2	18.5	18.3	16.2	17.8	9.0	7.2	8.1
17	26.3	23.4	24.6	19.2	18.5	18.9	16.3	14.9	15.6	7.4	6.0	6.6
18	24.7	22.5	24.0	20.6	19.0	19.7	14.9	10.6	13.1	7.3	2.1	5.8
19	22.5	20.4	21.3	21.4	20.1	20.6	10.6	7.4	8.7	8.5	5.7	7.0
20	21.6	19.5	20.6	21.7	20.5	21.1	8.4	4.7	7.2	9.8	7.0	8.4
21	23.0	20.7	21.6	22.8	21.5	22.2	8.5	6.8	7.8	10.3	8.4	9.5
22	22.9	21.3	22.0	22.4	19.9	21.2	10.5	8.1	9.4	12.5	9.4	11.2
23	21.3	19.2	20.1	20.5	19.7	20.1	12.7	9.9	11.1	13.7	11.8	12.6
24	20.3	18.6	19.5	20.8	19.8	20.4	12.9	11.7	12.3	14.9	12.1	13.9
25	20.9	20.1	20.5	20.6	17.0	19.2	12.2	10.6	11.2	15.5	14.3	14.9
26	22.8	20.8	21.7	17.0	13.9	15.6	12.2	10.8	11.4	---	---	---
27	24.1	22.2	23.2	14.0	12.7	13.2	12.9	11.6	12.3	---	---	---
28	25.5	23.1	24.4	13.9	12.4	13.2	14.6	12.4	13.4	---	---	---
29	25.9	24.2	25.0	15.1	13.7	14.3	14.8	13.0	14.0	---	---	---
30	26.2	24.6	25.5	16.4	15.1	15.8	16.3	13.8	15.3	---	---	---
31	26.2	24.8	25.4	---	---	---	17.8	15.8	16.8	---	---	---
MONTH	26.3	18.6	22.6	25.9	12.4	18.9	19.1	4.7	14.3	20.9	2.1	12.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	19.9	18.2	19.1	19.5	18.1	18.8	23.9	21.5	22.5
2	---	---	---	21.1	19.9	20.5	19.5	17.8	18.6	24.3	22.8	23.4
3	---	---	---	21.8	20.2	20.9	19.6	18.7	19.2	25.3	23.5	24.2
4	---	---	---	21.0	20.0	20.4	20.5	19.4	20.0	23.8	22.2	22.9
5	---	---	---	21.8	20.4	21.0	20.9	20.1	20.5	23.5	21.7	22.5
6	15.5	14.3	14.8	21.5	18.2	19.4	22.5	20.5	21.4	24.6	21.9	23.0
7	15.0	14.1	14.6	18.2	17.0	17.5	22.2	21.0	21.7	25.7	22.7	23.8
8	14.7	12.4	13.5	18.7	16.9	17.9	21.0	19.5	20.2	25.7	23.2	24.3
9	12.4	11.3	11.8	20.0	18.0	19.2	20.2	18.9	19.5	26.2	24.3	25.2
10	11.9	10.5	11.2	22.1	19.4	20.6	20.1	19.0	19.6	25.5	22.6	23.7
11	11.5	10.1	10.7	22.7	20.7	21.7	19.8	19.4	19.6	22.6	21.7	22.2
12	11.4	10.1	10.6	22.2	21.4	21.8	20.0	19.2	19.5	23.3	21.7	22.4
13	12.7	11.4	11.9	21.4	20.1	20.7	19.7	17.4	18.4	24.1	21.9	23.0
14	12.0	11.0	11.7	21.7	20.0	20.8	17.4	16.2	16.6	25.1	23.0	24.1
15	11.6	10.4	11.1	21.0	18.4	19.5	17.3	15.5	16.5	26.0	24.2	25.0
16	13.1	11.0	12.0	18.4	17.2	17.5	19.2	16.8	17.9	25.8	24.5	25.1
17	13.7	11.6	12.8	17.7	16.9	17.3	20.1	18.0	19.0	26.0	24.3	25.1
18	15.0	12.5	13.8	19.3	17.5	18.5	19.2	17.1	18.1	26.7	24.8	25.8
19	15.6	14.1	15.1	20.4	18.9	19.7	19.6	17.2	18.4	26.4	25.4	25.9
20	17.0	15.4	16.3	19.5	17.4	18.4	21.0	18.5	19.6	27.7	25.5	26.5
21	18.9	16.7	17.8	19.4	16.7	18.0	23.1	20.5	21.6	27.8	26.5	27.1
22	18.5	16.6	17.4	19.7	17.4	18.8	23.5	22.0	22.7	28.1	26.4	27.1
23	16.6	14.7	15.6	20.0	18.7	19.4	23.0	21.4	22.1	29.3	27.2	28.1
24	14.7	14.1	14.4	20.7	19.0	19.9	21.4	20.4	20.9	28.5	27.2	28.0
25	14.4	13.8	14.1	22.1	19.9	21.0	20.4	19.2	19.7	27.4	26.1	26.7
26	16.8	14.4	15.6	22.8	21.4	22.0	19.2	18.4	18.7	28.6	26.3	27.4
27	17.3	16.4	16.9	23.4	22.0	22.7	20.1	18.5	19.0	29.4	27.2	28.3
28	18.5	17.3	17.9	23.9	22.8	23.4	19.7	18.8	19.3	29.3	27.8	28.6
29	---	---	---	24.4	23.3	23.8	20.7	18.5	19.5	28.5	27.2	27.7
30	---	---	---	23.7	21.8	23.2	22.2	19.7	21.0	27.2	26.0	26.6
31	---	---	---	21.8	19.5	20.2	---	---	---	26.8	25.6	25.9
MONTH	18.9	10.1	14.0	24.4	16.7	20.2	23.5	15.5	19.6	29.4	21.5	25.2

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.0	24.6	25.4	---	---	---	30.0	28.0	29.1	31.7	29.8	30.6
2	26.3	25.1	25.7	---	---	---	29.1	27.6	28.2	31.4	30.1	30.6
3	27.2	25.3	26.1	---	---	---	29.4	28.3	28.8	31.5	29.8	30.6
4	27.8	25.8	26.7	---	---	---	30.0	28.6	29.2	30.8	29.9	30.3
5	27.6	26.4	26.9	---	---	---	31.1	28.8	29.5	30.0	28.8	29.4
6	27.7	26.2	26.8	---	---	---	31.3	29.5	30.1	28.8	27.7	28.4
7	26.9	26.1	26.5	---	---	---	31.2	29.5	30.4	28.3	26.8	27.6
8	26.7	25.8	26.2	---	---	---	30.9	29.5	30.0	29.5	27.3	28.1
9	26.8	25.6	26.2	30.3	28.2	29.2	30.4	29.0	29.6	29.1	27.7	28.3
10	26.6	25.8	26.2	31.5	28.7	29.6	30.2	29.3	29.7	29.1	27.8	28.4
11	27.5	26.1	26.8	31.3	29.3	30.1	31.6	29.6	30.4	29.1	27.7	28.4
12	29.3	26.7	27.8	31.7	29.8	30.6	31.9	30.1	31.0	29.4	28.1	28.7
13	29.6	27.9	28.7	31.2	30.0	30.5	32.5	30.7	31.5	30.0	28.5	29.1
14	30.0	27.9	29.0	31.2	29.3	30.1	31.9	30.8	31.2	30.6	29.1	29.6
15	31.4	28.7	29.8	31.3	30.0	30.6	31.9	30.4	31.1	30.7	29.2	29.8
16	31.1	29.6	30.2	31.6	30.1	30.7	32.0	30.6	31.2	30.5	29.2	29.8
17	30.2	28.1	29.3	30.1	28.3	29.5	31.6	30.3	30.9	30.9	29.0	29.8
18	---	---	---	28.3	25.2	26.5	31.9	30.0	30.7	30.6	29.2	30.0
19	---	---	---	26.6	24.9	25.6	32.6	30.2	31.1	30.3	29.3	29.8
20	---	---	---	27.6	25.9	26.6	32.3	30.3	31.2	30.2	28.8	29.5
21	---	---	---	29.2	26.6	27.5	31.8	30.1	30.9	30.6	28.9	29.7
22	---	---	---	29.7	27.9	28.7	31.1	29.5	30.3	31.3	29.2	30.0
23	---	---	---	30.0	28.6	29.2	30.0	28.7	29.4	30.2	29.1	29.6
24	---	---	---	32.0	29.0	29.9	29.4	28.1	28.8	29.4	28.6	29.0
25	---	---	---	31.7	29.9	30.6	29.6	27.9	28.6	28.8	26.3	27.7
26	29.3	27.9	28.6	31.6	29.8	30.5	29.7	28.1	28.8	---	---	---
27	---	---	---	31.9	29.6	30.5	30.2	28.4	29.2	---	---	---
28	---	---	---	32.0	30.3	31.0	30.3	28.5	29.4	---	---	---
29	---	---	---	31.2	30.2	30.7	30.8	29.4	29.9	---	---	---
30	---	---	---	31.3	29.7	30.3	31.4	29.9	30.5	---	---	---
31	---	---	---	30.9	29.7	30.2	32.0	30.4	30.8	---	---	---
MONTH	---	---	---	---	---	---	32.6	27.6	30.0	31.7	26.3	29.3

MISSISSIPPI RIVER DELTA

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

LOCATION.--Lat 29°35'04", long 89°36'23", Plaquemines Parish, Hydrologic Unit 08090203, on a three-pile platform 13.0 mi east southeast of Point-A-La-Hache.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to May 2, 1996, datum of gage was 8.1 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.86 ft, July 18, 1997; minimum recorded, -2.64 ft, Mar. 19, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.86 ft, July 18; minimum, -1.28 ft, Jan. 19.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.38	1.27	1.88	1.76	.28	.96	2.24	.28	1.15	.85	.23	.54
2	2.58	1.39	1.99	1.57	.35	.81	1.70	.91	1.30	.79	.10	.40
3	2.92	2.01	2.45	1.94	.63	1.30	1.19	.33	.73	1.01	.01	.50
4	4.58	2.67	3.17	1.74	.73	1.27	1.55	.71	1.15	1.25	-.22	.54
5	5.74	4.31	5.00	1.83	1.17	1.53	1.37	.61	.87	1.50	-.40	.59
6	5.70	5.02	5.39	1.69	1.31	1.50	1.19	.03	.61	2.81	.33	1.48
7	5.44	3.42	4.65	1.68	.94	1.35	1.06	-.18	.45	2.91	1.43	2.14
8	3.42	1.33	2.35	.95	-.23	.29	.95	-.40	.45	2.74	.80	1.61
9	2.14	1.35	1.62	1.22	.33	.68	1.16	-.83	.11	1.55	-.82	-.14
10	1.40	.64	.92	1.16	-.66	.24	1.38	-.79	.28	1.04	-1.01	-.16
11	1.88	1.37	1.65	1.83	-.02	.85	1.60	-.67	.50	1.54	.10	.68
12	2.11	1.25	1.64	2.06	.36	1.05	1.60	-.58	.52	1.66	.80	1.23
13	2.11	1.34	1.77	2.06	.36	1.14	1.56	-.29	.73	1.70	.83	1.28
14	2.05	.96	1.60	2.12	.12	1.07	1.57	.25	.98	1.55	.67	1.05
15	2.35	.81	1.52	4.46	1.64	2.46	1.57	.22	.91	1.47	.44	1.04
16	2.51	.76	1.66	4.93	2.98	3.88	1.54	-1.05	.45	.48	-.54	.04
17	2.45	.91	1.69	3.78	2.09	2.65	1.12	-.87	.46	.80	-.22	.23
18	2.25	.62	1.36	2.33	1.51	1.93	.97	.21	.75	.51	-.94	-.19
19	2.37	.42	1.48	1.98	1.28	1.61	.23	-.91	-.38	.80	-1.28	-.20
20	1.58	.66	1.17	1.68	1.37	1.57	.96	-.78	.12	1.06	-1.22	-.05
21	1.69	.95	1.40	1.51	.91	1.19	1.25	-.39	.45	1.28	-.52	.48
22	1.78	.41	1.37	2.13	.95	1.59	1.27	-.28	.56	1.24	-.43	.45
23	1.73	.34	1.18	2.10	.61	1.47	1.60	-.44	.62	1.44	-.35	.63
24	1.93	.94	1.52	2.74	.63	1.61	1.67	-.35	.62	1.38	-.39	.51
25	2.46	1.26	1.88	2.71	-.45	.71	1.66	.60	1.09	1.54	.23	.79
26	2.46	1.08	1.84	1.90	-.23	.73	1.56	-.05	.79	1.67	.74	1.22
27	2.39	.84	1.68	2.00	.42	1.20	1.49	-.08	.64	1.67	.32	.93
28	2.23	.54	1.37	2.03	.28	1.16	1.17	-.30	.56	1.53	.68	1.04
29	1.93	.35	1.16	2.70	.63	1.49	1.14	-.02	.67	1.22	.80	1.00
30	1.88	-.09	.86	2.79	1.17	1.83	1.05	.13	.57	.80	.10	.47
31	1.95	.47	1.19	---	---	---	.86	.17	.59	.67	-.21	.17
MONTH	5.74	-.09	1.95	4.93	-.66	1.37	2.24	-1.05	.62	2.91	-1.28	.65

MISSISSIPPI RIVER DELTA

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

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.00	-.43	.29	1.92	.94	1.51	2.07	-.09	1.22	1.57	.10	.85
2	1.22	-.30	.53	1.87	.75	1.31	2.04	.43	1.29	1.62	.84	1.26
3	1.43	-.07	.78	1.79	-.19	.83	1.90	.61	1.38	1.31	.74	.99
4	2.11	-.06	1.05	1.74	.02	.99	2.61	1.35	1.93	2.30	.55	1.51
5	2.19	.43	1.15	1.43	.10	.87	2.57	1.52	2.01	1.86	.34	1.32
6	2.22	1.01	1.56	2.13	.47	1.25	2.12	1.18	1.61	1.56	.16	.98
7	2.22	.63	1.42	2.10	1.64	1.79	2.39	1.16	1.72	1.63	.02	1.02
8	1.82	.18	.89	1.81	.37	1.17	2.72	1.07	2.11	1.90	.02	1.08
9	1.54	.56	.97	1.86	.66	1.15	2.65	.76	1.93	1.69	.08	.98
10	1.32	.36	.77	1.61	.53	1.09	2.92	.54	1.97	3.21	.04	1.93
11	1.28	.61	1.03	1.35	.49	1.01	2.73	1.05	1.93	2.41	.71	1.63
12	3.57	.79	1.97	1.63	.52	1.22	2.68	.86	1.80	2.02	.63	1.33
13	3.71	1.31	2.35	1.98	.52	1.41	2.17	.76	1.51	1.77	.11	.91
14	2.19	1.19	1.75	1.85	.45	1.16	2.33	1.18	1.72	1.14	.35	.72
15	1.98	.72	1.28	2.25	1.00	1.66	1.64	.76	1.17	.93	.22	.60
16	1.26	.21	.76	2.08	1.03	1.61	1.27	.36	.87	1.94	.53	1.27
17	1.25	-.18	.60	1.83	.51	1.26	.83	.07	.49	1.48	.95	1.17
18	1.55	.05	.85	1.65	.61	1.22	1.50	.41	.94	1.36	.56	1.02
19	1.99	.31	1.16	1.40	.49	1.05	.65	.04	.30	1.61	.24	1.01
20	2.23	.98	1.57	1.39	.43	.96	1.13	.30	.65	1.51	-.19	.79
21	2.23	.82	1.22	1.28	.84	1.02	.98	-.09	.57	1.47	-.18	.74
22	2.02	.42	1.20	.84	.23	.51	1.22	.00	.70	1.96	-.03	1.06
23	2.09	1.74	1.92	1.81	.56	1.22	1.44	.03	.85	1.77	-.03	1.00
24	2.23	1.43	1.90	1.71	.87	1.28	1.97	.13	1.37	2.14	-.15	1.05
25	2.31	1.56	1.91	1.57	.72	1.19	3.35	.62	2.46	1.81	.12	.99
26	1.82	1.18	1.62	1.72	.56	1.17	4.31	2.03	3.15	1.56	.15	.92
27	1.69	1.13	1.36	1.81	.60	1.30	2.72	.77	2.25	1.59	-.05	.80
28	1.86	.95	1.45	1.16	.14	.87	.77	-.14	.30	1.55	-.11	.87
29	---	---	---	1.17	-.08	.60	1.79	-.38	.84	1.89	.68	1.56
30	---	---	---	1.41	-.22	.61	1.44	.15	.88	1.89	1.03	1.56
31	---	---	---	2.88	.09	1.50	---	---	---	1.47	1.04	1.19
MONTH	3.71	-.43	1.26	2.88	-.22	1.15	4.31	-.38	1.40	3.21	-.19	1.10
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	1.36	-.50	.65	2.76	.31	1.78	1.73	.96	1.35
2	---	---	---	1.28	-.33	.52	2.38	1.02	1.77	1.98	.92	1.51
3	1.99	.03	1.17	1.35	-.28	.56	2.26	.44	1.60	1.87	.89	1.25
4	1.94	.09	1.09	1.67	-.13	.90	1.75	.21	1.04	1.77	1.06	1.57
5	1.98	.13	1.26	2.20	-.02	1.01	1.55	.22	.89	3.16	1.56	2.38
6	2.45	.55	1.70	2.00	.23	1.14	1.71	.28	1.08	2.94	2.24	2.50
7	2.13	.38	1.28	1.52	.22	.92	1.45	.58	1.12	2.41	1.68	2.09
8	2.23	.31	1.35	1.31	.14	.79	1.37	.76	1.06	2.14	1.36	1.73
9	2.83	.78	1.99	1.10	.02	.68	1.46	.73	1.07	2.04	.91	1.52
10	3.67	2.15	2.83	.92	.02	.66	1.58	.48	1.00	1.89	.54	1.30
11	2.37	1.63	1.97	.96	.35	.67	1.43	.70	1.01	2.30	.81	1.62
12	1.93	1.12	1.68	1.16	.42	.82	1.70	.58	1.18	2.16	.92	1.64
13	1.45	.83	1.16	1.37	.53	1.01	1.60	.24	1.01	2.12	.90	1.65
14	1.25	.32	.85	2.06	.46	1.18	1.63	.11	.94	2.05	.71	1.52
15	1.34	.46	.89	1.75	.47	1.21	1.62	-.04	.90	2.11	.88	1.48
16	1.43	.00	.83	1.76	.02	1.08	1.98	.14	1.15	2.01	.98	1.48
17	1.19	-.08	.63	2.06	.36	1.26	1.97	.17	1.17	1.96	1.03	1.51
18	1.50	-.48	.72	5.86	.21	2.52	1.86	.23	1.14	1.82	1.02	1.48
19	1.81	-.37	.79	1.01	-.62	.54	1.76	.23	1.11	2.06	.95	1.55
20	1.56	-.41	.64	1.49	-.62	.49	1.25	.36	.81	2.09	.96	1.52
21	1.86	-.38	.86	1.53	-.56	.67	1.58	.54	1.12	1.84	.67	1.24
22	1.74	-.32	.84	1.50	-.31	.72	1.63	1.19	1.44	1.72	.46	1.12
23	1.58	-.28	.81	1.32	.02	.91	1.97	1.05	1.47	2.03	.64	1.35
24	1.82	.02	1.12	1.23	.38	.95	2.03	.98	1.49	1.90	.32	1.18
25	1.26	.42	.90	.99	.59	.80	2.13	1.37	1.68	1.40	.24	.91
26	1.20	.53	.92	1.02	.42	.74	2.27	.95	1.65	1.93	.67	1.35
27	1.23	.64	.90	1.45	.37	.93	1.87	.59	1.31	1.75	1.03	1.42
28	1.22	.50	.91	1.53	.11	.92	1.61	.53	1.11	1.53	.44	1.14
29	1.48	.28	1.00	1.48	-.26	.83	1.74	.46	1.23	.96	.28	.57
30	1.44	.01	.88	1.86	.13	1.04	1.66	.56	1.15	.92	.31	.56
31	---	---	---	1.94	-.05	1.07	1.66	.78	1.28	---	---	---
MONTH	---	---	---	5.86	-.62	.91	2.76	-.04	1.22	3.16	.24	1.45

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1992 to current year.

WATER TEMPERATURES: January 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--The specific conductance values above 32,800 microsiemens were calculated from salinity values.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 37,600 microsiemens, Oct. 4, 1995; minimum daily, 1,300 microsiemens, Feb. 3, 1994.

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 35,600 microsiemens, Nov. 15; minimum daily, 1,400 microsiemens, Jan. 16.

WATER TEMPERATURE: Maximum daily, 32.7 °C, Aug. 13; minimum daily, 5.0 °C, Jan. 19.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28700	26200	27200	27000	23700	25400	31000	26400	28100	12200	5790	7760
2	29400	25900	28000	25500	23100	24300	27800	26700	27200	9130	3680	5020
3	31700	27600	30100	28300	23700	25900	27000	21800	24700	9620	3530	6080
4	34800	30100	33000	27600	25600	26600	26600	24600	26000	14000	3710	8520
5	34800	33100	33400	30400	26400	28300	26700	24000	25200	13100	3630	8410
6	35600	33400	34600	28100	26700	27400	25400	22000	23200	15100	6340	11100
7	35100	33100	34300	28400	26300	27500	25400	20000	22600	15800	12100	13700
8	33100	30500	32100	26400	22800	23900	24900	19500	21600	16300	12200	13500
9	30600	28300	29700	26300	22900	23700	22500	18000	20300	13100	3380	6360
10	28300	24700	26300	26300	19100	23100	23400	18000	20700	4530	1530	2900
11	26900	25600	26100	29500	22900	24800	24300	19400	22200	5670	3170	3810
12	29000	25400	26800	30400	24900	27100	25500	19800	22500	5140	3830	4450
13	29800	26900	28400	31400	26200	28300	25500	21200	23600	8750	3200	5570
14	29600	26000	27700	30000	26500	28200	26200	23600	24800	4670	3330	4000
15	29000	26200	27400	35600	29200	32000	25600	23400	24600	6480	3950	4720
16	29300	26700	27800	35100	29400	31700	26400	19400	23800	4310	1400	2920
17	29700	27300	28200	33700	30600	32200	24900	19900	22700	6950	1790	3160
18	30200	25300	27900	33900	29600	33000	24900	20700	23300	3680	1790	2320
19	30400	26200	27600	32100	29200	30400	21800	15000	17400	9150	1990	4670
20	28500	24900	26700	31400	27800	29200	19300	17400	18200	10700	2020	6850
21	29200	25600	27300	30100	27700	28200	21600	17900	19200	15000	7710	10400
22	32300	24000	28900	30200	27900	28800	22700	18600	20300	18000	8170	11900
23	28400	23600	25900	30200	28900	29500	22700	17000	19800	18200	7630	13100
24	30100	25300	27400	30300	29300	29700	21800	16700	19400	18400	9810	13200
25	30800	29200	30000	30800	27200	29200	20800	18200	19400	15500	10400	12800
26	32000	28900	29800	28600	24400	26600	20700	17300	19000	18500	14100	16000
27	29800	27500	28800	29500	27100	28300	19200	13100	16100	18500	11200	14100
28	29400	26400	27800	29000	27800	28500	17000	10200	13700	13900	10300	12400
29	28700	24900	26500	29200	28000	28600	15900	9280	12800	13600	9410	11100
30	27800	23000	25300	32400	28900	30300	14200	7380	10400	10200	3900	6320
31	27300	25200	26100	---	---	---	13400	5910	9910	6970	2390	3930
MONTH	35600	23000	28600	35600	19100	28000	31000	5910	20700	18500	1400	8100

MISSISSIPPI RIVER DELTA

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

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CMAT}$ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11400	1960	6510	15700	7090	11400	9720	7030	8540	13200	8830	11100
2	18100	5890	10900	15100	5880	10900	9940	8170	8970	15900	11600	13700
3	16200	8260	11900	12500	7290	9510	9940	8900	9570	11800	9960	11100
4	18000	7660	13100	12600	7940	9880	12900	9370	10300	15300	10900	13100
5	18000	9380	12800	12200	7980	9460	16200	8770	11800	14900	12700	14300
6	16700	10800	13800	12700	4690	7240	11500	8840	9810	14100	11300	13400
7	17100	11700	13800	14400	7460	11300	10400	8750	9520	13800	11300	12900
8	14900	4840	8120	11900	7160	9310	12400	9550	11100	15300	11800	13200
9	9750	5070	6970	11700	7590	9300	13200	10600	11600	14500	12500	13500
10	8250	3310	5630	10900	6800	8980	13600	10700	12000	18600	13000	15700
11	8380	4080	5880	10600	6770	8860	12600	11000	12000	18000	15500	17100
12	30500	4840	13300	14300	6760	11300	12000	10300	11500	17800	15300	16700
13	31800	19300	24800	17800	11500	16100	11500	9880	10700	15900	13100	14600
14	21600	14400	19700	13000	7970	10400	13700	9730	11300	15300	12400	14100
15	16600	7850	12200	15300	8870	12700	10600	8660	9870	12400	11300	11900
16	11700	5240	8440	17500	10500	13800	10100	7460	8520	15200	12100	13300
17	9770	3030	6510	14700	11000	12300	8220	5600	6840	15300	13600	14300
18	11000	3410	6930	13300	10600	11900	9620	6520	7720	14800	12700	13900
19	12600	6240	8890	12600	9300	10800	7230	5890	6620	16400	11700	13800
20	15900	9640	11700	11200	8300	9440	7970	6580	6990	13800	10700	12500
21	18200	6820	11600	9690	8510	9010	7980	5370	6840	13700	10600	12100
22	9230	4050	6910	9650	7190	8190	9120	5330	6580	14000	10600	12600
23	15500	9230	14100	11900	7600	9710	7380	5410	6200	14400	12300	13300
24	23400	14700	18800	11800	10400	11100	12200	5430	9770	14000	12000	13200
25	23500	14100	21600	12500	10200	11600	29800	8930	18700	13600	11400	12700
26	17400	9950	13200	11500	10000	10900	34600	26700	30500	13600	11400	12400
27	13300	8050	11100	11900	10000	11200	32100	18400	27000	12700	10300	11500
28	14100	7790	10200	11100	7900	9820	19000	9720	14500	12500	9340	11200
29	---	---	---	7990	6810	7430	16800	7740	11800	13000	11800	12400
30	---	---	---	7320	2650	6360	15500	11000	12900	13200	12400	12900
31	---	---	---	9840	6530	8220	---	---	---	13000	12300	12600
MONTH	31800	1960	11800	17800	2650	10300	34600	5330	11300	18600	8830	13300
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	17200	12000	15200	21300	17400	19300	27200	20800	23600
2	---	---	---	17500	11800	14000	23600	20400	22000	29200	23000	24800
3	12800	10800	12200	17100	11300	14100	25300	20800	23000	27300	22200	24700
4	12700	11400	12100	20000	12500	16500	23700	21500	22200	27700	24000	25400
5	13000	11900	12400	22400	15400	18000	24100	19000	21100	30700	24900	27400
6	15000	12500	13500	22600	17200	19400	25200	19200	22300	33700	28700	31400
7	15200	12600	13400	19600	16800	18200	23100	20900	22200	34000	28500	30700
8	15000	12200	13400	18600	14900	17200	22100	19700	21200	32200	26700	29500
9	16900	13400	14800	17000	14000	15400	21800	18700	20500	29800	26200	27700
10	18500	16700	17600	17700	13300	15700	24800	16000	20200	30100	23800	26600
11	18100	16500	17400	17600	13200	15400	23300	18700	21000	31200	23800	26300
12	16500	14000	15400	19100	14600	16800	24000	20100	21700	29400	25000	27100
13	14000	12400	13300	18700	14900	17100	22600	14700	19400	29500	23900	26900
14	12900	11100	12400	21500	15700	18500	20200	13500	17500	28500	23100	26800
15	12300	10700	11600	21500	16900	19300	18900	14100	16600	28700	22700	26800
16	12700	10800	11600	20700	17600	19400	20500	14900	17600	29300	25200	27100
17	12500	9620	11100	20900	16600	19500	22500	15800	18800	29800	24600	27000
18	12100	9150	10900	21000	18100	19600	21900	16900	19000	28600	23400	26900
19	13200	8990	11100	19700	13900	17500	22200	16900	19000	29700	23800	26600
20	14400	9560	11600	17200	14000	15800	19300	17000	18200	29400	22700	26500
21	17000	9510	12900	16000	13600	14700	20700	16400	17700	27100	24700	25900
22	17100	11100	13900	15900	13500	14700	20500	18400	19800	26900	23300	25300
23	17600	11600	14100	17000	13800	14900	22800	18100	20500	27900	20800	24900
24	17900	12500	15200	16000	14100	14900	25100	16900	20900	27100	23600	25100
25	17600	13700	15500	17200	12400	14800	23900	18600	21300	26400	22500	24700
26	16800	13600	15400	17200	12400	14700	25900	20100	22500	27100	23300	24700
27	19800	12700	15300	17400	12700	15700	27500	19900	22700	27100	23200	24700
28	18500	14100	16500	18300	13100	16200	24000	18900	21100	26000	23300	24600
29	19100	15100	16700	19900	14600	17800	27400	18900	22800	25000	21700	23800
30	19300	13700	16700	20000	16600	18300	29300	20000	22500	24700	22700	23500
31	---	---	---	20100	17800	18700	26400	21300	23100	---	---	---
MONTH	19800	8990	13900	22600	11300	16700	29300	13500	20600	34000	20800	26200

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.1	23.4	24.1	25.9	24.8	25.3	17.1	15.1	16.5	18.4	16.0	17.4
2	26.3	24.6	25.4	25.2	19.2	22.5	15.2	14.4	14.8	19.3	17.2	18.5
3	26.0	25.1	25.4	19.4	17.4	18.4	16.1	14.2	15.0	20.2	18.7	19.3
4	25.8	24.6	25.1	19.0	17.1	18.0	15.1	14.2	14.6	20.4	19.0	19.7
5	25.0	22.9	24.0	20.9	18.6	19.5	15.5	14.3	14.8	21.2	20.2	20.7
6	22.9	21.6	22.3	21.8	19.8	20.9	16.9	15.0	16.0	20.3	16.9	18.9
7	21.6	20.3	20.9	22.6	21.3	22.0	19.2	16.7	18.0	16.9	14.3	15.4
8	21.2	19.6	20.4	21.6	18.2	20.1	17.7	15.9	16.9	14.9	14.1	14.4
9	22.0	20.4	21.1	18.2	16.6	17.1	16.8	15.2	15.9	14.6	10.9	12.9
10	22.8	21.1	21.8	17.5	15.6	16.7	17.4	15.4	16.4	11.6	10.0	10.9
11	21.8	20.5	21.0	18.3	16.3	17.3	18.2	16.6	17.4	10.9	8.8	9.6
12	21.6	19.9	20.6	18.1	16.7	17.4	19.6	17.6	18.5	8.8	7.4	8.1
13	22.3	20.6	21.4	18.2	16.6	17.5	19.6	18.9	19.1	7.6	6.2	7.0
14	23.1	21.6	22.3	19.2	17.3	18.2	19.5	18.3	18.8	6.9	5.8	6.4
15	23.4	22.0	22.7	19.3	17.9	18.6	19.2	18.0	18.6	8.4	6.7	7.6
16	24.6	22.7	23.6	18.9	18.3	18.7	18.7	16.0	18.2	8.7	7.7	8.1
17	25.2	23.9	24.5	19.3	18.8	19.1	16.0	15.0	15.5	7.8	5.6	6.4
18	24.8	22.0	24.0	20.7	19.1	19.9	15.4	10.4	13.1	7.3	5.4	6.4
19	22.0	20.2	20.9	21.3	20.2	20.7	10.4	7.1	8.4	8.6	5.0	6.9
20	21.4	19.7	20.5	22.7	20.7	21.6	7.9	6.5	7.2	10.0	7.2	8.6
21	22.3	20.3	21.3	22.8	21.7	22.4	9.0	6.9	8.0	10.7	8.7	9.8
22	22.6	21.3	21.8	22.4	20.3	21.3	10.1	8.4	9.3	12.6	10.0	11.4
23	21.3	18.4	19.5	20.8	19.6	20.2	11.5	9.7	10.6	13.5	11.7	12.8
24	20.1	18.3	19.4	21.1	19.8	20.4	12.7	11.1	11.9	15.5	12.8	14.4
25	20.8	20.0	20.3	20.9	16.7	19.2	11.5	10.1	10.8	16.1	14.6	15.5
26	22.5	20.4	21.6	16.7	13.3	14.9	11.6	10.3	11.0	15.1	13.7	14.6
27	24.2	22.1	23.2	13.6	12.4	12.8	12.6	11.5	12.2	17.0	14.5	16.0
28	25.4	23.4	24.4	13.7	12.2	12.9	14.4	12.4	13.3	16.7	14.9	16.1
29	25.8	24.0	24.9	14.7	13.3	14.0	14.7	13.3	14.2	14.9	12.7	13.6
30	26.0	24.7	25.4	17.3	14.7	15.7	16.3	14.2	15.3	13.2	12.6	12.9
31	26.2	25.1	25.5	---	---	---	16.8	15.0	16.0	13.5	12.2	12.7
MONTH	26.3	18.3	22.6	25.9	12.2	18.8	19.6	6.5	14.4	21.2	5.0	12.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.2	12.7	13.5	20.5	19.0	19.7	19.5	18.0	18.5	23.7	21.3	22.4
2	15.8	14.0	14.7	22.0	20.3	21.2	19.8	17.4	18.6	24.1	22.7	23.5
3	16.5	15.0	15.9	22.1	20.5	21.3	20.0	18.6	19.3	25.3	23.7	24.3
4	16.6	15.0	16.2	21.1	20.5	20.8	20.8	19.4	20.2	24.0	21.8	22.8
5	16.6	15.4	16.0	22.8	20.8	21.7	21.0	20.4	20.7	23.2	21.0	22.1
6	15.4	14.3	14.7	22.0	17.9	19.5	23.0	20.7	21.6	24.2	21.6	22.7
7	15.0	13.8	14.4	18.0	16.7	17.4	22.3	21.0	21.8	24.9	22.7	23.7
8	14.6	12.0	13.4	19.2	17.1	18.1	21.3	19.5	20.1	25.4	23.5	24.3
9	12.1	11.1	11.6	20.2	18.3	19.2	20.3	18.7	19.5	26.3	24.2	25.2
10	11.6	10.5	11.0	21.7	19.5	20.3	20.6	18.7	19.6	25.6	22.6	23.7
11	11.2	9.5	10.4	22.6	20.6	21.5	19.9	19.4	19.5	22.7	21.4	22.1
12	10.9	9.9	10.4	22.2	21.6	21.9	20.1	19.0	19.5	23.1	21.5	22.2
13	13.0	10.9	11.9	21.6	20.2	20.7	19.8	17.2	18.1	24.2	21.8	23.0
14	12.0	11.1	11.7	22.0	20.2	21.1	17.2	15.8	16.2	25.0	23.0	24.1
15	11.6	10.3	11.0	21.1	18.1	19.4	17.1	15.1	16.1	26.3	23.9	25.0
16	13.0	10.9	11.9	18.1	16.7	17.3	19.5	16.5	17.8	25.7	24.3	25.1
17	13.9	11.9	12.9	17.6	16.8	17.2	20.0	18.2	19.0	26.0	24.4	25.1
18	15.4	13.1	14.2	19.9	17.4	18.5	18.9	16.4	17.6	26.7	24.9	25.7
19	15.9	14.4	15.2	20.1	19.1	19.6	19.6	17.1	18.3	26.5	25.4	25.9
20	17.8	15.4	16.6	19.8	17.1	18.4	20.9	19.0	19.8	27.8	25.2	26.4
21	19.0	16.9	18.2	19.2	16.6	17.9	23.1	20.3	21.4	27.8	26.4	27.0
22	18.8	16.3	17.6	20.4	17.8	19.2	23.7	22.2	22.8	28.1	26.3	27.1
23	16.3	14.5	15.3	19.9	19.0	19.5	23.0	20.9	22.0	29.1	27.1	28.0
24	14.5	14.2	14.3	21.2	19.1	20.1	21.5	20.5	20.9	28.5	27.1	27.8
25	14.6	14.1	14.3	22.2	20.0	21.2	20.5	19.1	19.7	27.2	25.7	26.5
26	16.7	14.6	15.7	22.9	21.6	22.2	19.2	18.4	18.7	28.4	26.3	27.4
27	17.7	16.6	17.1	23.5	21.9	22.8	20.2	18.4	19.1	29.6	27.3	28.3
28	19.0	17.6	18.2	23.8	22.8	23.3	19.9	19.0	19.4	29.9	27.9	28.7
29	---	---	---	24.7	23.3	23.8	20.9	18.6	19.6	28.6	26.8	27.6
30	---	---	---	23.8	22.2	23.4	22.1	20.2	21.2	26.9	25.9	26.5
31	---	---	---	22.2	18.5	19.7	---	---	---	26.5	25.6	26.1
MONTH	19.0	9.5	14.2	24.7	16.6	20.3	23.7	15.1	19.6	29.9	21.0	25.2

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	31.5	29.4	30.3	30.3	28.3	29.4	31.4	29.8	30.6
2	---	---	---	31.9	29.1	30.3	29.1	27.4	28.1	31.2	29.9	30.5
3	27.4	25.1	26.0	31.9	29.7	30.6	29.9	28.1	28.8	31.4	30.0	30.7
4	28.2	25.5	26.7	32.1	30.5	31.2	30.2	28.8	29.4	30.9	29.6	30.2
5	27.6	26.5	27.0	31.9	30.4	31.3	31.0	28.7	29.6	30.0	28.7	29.2
6	27.4	25.9	26.6	30.7	29.7	30.2	30.8	29.8	30.2	28.9	28.0	28.4
7	26.6	26.0	26.3	30.0	28.9	29.5	31.5	29.7	30.3	28.4	27.1	27.7
8	27.0	25.5	26.2	29.7	28.7	29.3	30.6	29.5	30.1	29.1	27.2	28.0
9	27.0	25.5	26.3	30.6	28.1	29.2	30.6	29.1	29.7	29.1	27.7	28.4
10	26.8	25.8	26.2	30.6	28.7	29.4	31.0	29.3	29.9	29.5	28.1	28.7
11	27.5	26.1	26.8	31.3	29.7	30.4	31.8	29.5	30.5	29.4	28.0	28.6
12	29.0	26.8	27.8	31.6	29.7	30.6	32.0	30.4	31.1	29.5	28.2	28.7
13	29.5	27.8	28.6	31.4	30.1	30.7	32.7	28.3	31.3	30.0	28.4	29.1
14	29.8	28.3	29.0	31.2	29.2	30.3	31.4	30.7	31.1	30.4	28.8	29.5
15	31.5	28.7	29.8	31.8	30.0	30.7	32.0	30.0	31.0	30.6	29.3	29.9
16	31.0	29.0	30.0	31.4	30.2	30.7	32.3	30.3	31.2	30.8	29.2	29.9
17	29.9	27.9	29.3	30.3	27.7	29.2	31.8	30.5	31.0	30.9	29.2	30.0
18	27.9	27.1	27.6	27.7	25.4	26.4	32.3	30.1	31.0	30.8	29.3	30.1
19	28.0	26.9	27.3	26.7	24.8	25.6	32.6	30.7	31.5	30.5	29.3	29.9
20	29.2	26.9	27.9	27.7	26.0	26.8	32.6	30.9	31.6	30.3	29.0	29.6
21	30.3	27.8	28.9	29.2	26.7	27.7	31.7	30.1	31.0	30.5	29.0	29.7
22	30.8	28.5	29.5	29.3	28.2	28.8	31.7	29.6	30.4	31.2	29.3	30.1
23	30.6	29.3	29.9	29.7	28.6	29.0	30.1	28.7	29.3	30.2	29.3	29.7
24	30.3	28.9	29.7	30.5	28.7	29.4	29.2	27.9	28.6	29.7	28.7	29.1
25	30.0	28.2	28.8	32.4	29.7	30.7	29.3	27.6	28.5	28.7	26.1	27.8
26	29.0	27.7	28.3	32.5	29.8	31.0	29.5	28.2	28.8	26.7	25.3	25.9
27	30.0	27.9	28.8	32.0	29.9	30.8	29.9	28.5	29.1	26.3	25.1	25.7
28	30.4	28.5	29.4	32.5	30.0	31.0	30.5	28.5	29.3	27.3	25.3	26.0
29	30.5	28.8	29.5	31.3	30.0	30.7	31.1	29.5	30.1	27.6	25.7	26.6
30	31.2	29.0	29.8	31.1	29.7	30.2	32.5	30.2	30.8	28.2	26.3	27.1
31	---	---	---	31.0	30.1	30.4	31.7	30.4	31.0	---	---	---
MONTH	31.5	25.1	28.1	32.5	24.8	29.8	32.7	27.4	30.1	31.4	25.1	28.8

MISSISSIPPI RIVER DELTA

07374528 NORTH CALIFORNIA BAY NEAR POINTE A LA HACHE, LA

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

DRAINAGE AREA.-- Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 9.37 ft (revised) below sea level (levels determined by Global Positioning System). Prior to Oct. 1, 1995, datum of gage was 9.23 ft below sea level (levels determined by GPS). Prior to Oct. 1, 1994, published wrong datum.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.39 ft, Oct. 4, 1996; minimum, -2.63 ft, revised, Mar. 13, 1993.

REVISIONS.--Minimum gage height has been revised to reflect the datum used prior to Oct. 1, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.68 ft, Oct. 6 ; minimum recorded, -0.66 ft, Dec. 10.

GAGE HEIGHT, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.47	1.40	1.99	1.93	.51	1.14	2.45	.57	1.33	4.38	.38	1.44
2	2.78	1.54	2.12	1.99	.74	1.22	1.84	1.16	1.47	3.79	2.08	3.30
3	3.09	2.19	2.61	2.18	.89	1.58	1.36	.54	.93	3.52	1.64	2.32
4	4.74	2.84	3.31	1.96	.99	1.50	1.68	.95	1.33	2.17	1.22	1.73
5	5.63	4.29	4.97	2.02	1.37	1.72	1.45	.86	1.02	2.20	.39	1.31
6	5.68	5.06	5.40	1.82	1.49	1.67	1.37	.26	.82	4.91	.91	2.77
7	5.52	3.59	4.78	1.80	1.28	1.49	1.44	.03	.68	3.83	2.19	2.92
8	3.59	1.47	2.44	1.31	.15	.62	1.21	-.08	.73	3.41	1.53	2.37
9	2.25	1.51	1.75	1.39	.65	.96	1.33	-.60	.39	---	---	---
10	1.64	.86	1.10	1.33	-.41	.45	1.54	-.66	.46	---	---	---
11	1.99	1.56	1.80	2.01	.20	1.05	1.76	-.49	.63	---	---	---
12	2.21	1.38	1.76	2.23	.52	1.22	1.79	-.43	.73	---	---	---
13	2.21	1.47	1.87	2.23	.56	1.30	1.79	-.08	.98	---	---	---
14	2.17	1.12	1.71	2.36	.30	1.24	1.79	.45	1.19	---	---	---
15	2.18	.98	1.56	4.32	1.75	2.58	1.78	.44	1.12	---	---	---
16	---	---	---	4.78	2.93	3.78	1.74	-.63	.75	---	---	---
17	2.55	1.11	1.85	3.80	2.15	2.74	1.50	-.26	.91	---	---	---
18	2.45	.96	1.66	2.43	1.62	2.03	1.38	.66	1.21	---	---	---
19	2.65	.68	1.72	2.04	1.46	1.73	.66	-.39	.10	---	---	---
20	1.81	.83	1.36	1.89	1.60	1.78	1.30	-.39	.51	---	---	---
21	1.85	1.08	1.56	1.75	1.14	1.43	1.39	-.05	.65	---	---	---
22	1.87	.78	1.49	2.31	1.30	1.86	1.53	.02	.81	---	---	---
23	1.92	.74	1.46	2.28	.80	1.62	1.87	-.07	.96	---	---	---
24	2.12	1.23	1.74	2.81	.83	1.81	2.12	-.02	1.04	---	---	---
25	2.57	1.45	2.04	2.46	-.21	.79	2.10	.98	1.46	---	---	---
26	2.57	1.22	1.95	2.35	.08	1.08	1.84	.31	1.13	---	---	---
27	2.51	.99	1.83	2.35	.70	1.48	1.76	.15	.91	---	---	---
28	2.33	.74	1.52	2.25	.56	1.40	1.51	.09	.91	---	---	---
29	2.09	.57	1.34	2.89	.83	1.65	1.49	.44	1.04	---	---	---
30	2.02	.07	1.04	2.89	1.34	2.00	1.49	.52	.97	---	---	---
31	2.10	.69	1.38	---	---	---	1.21	.60	.96	---	---	---
MONTH	---	---	---	4.78	-.41	1.56	2.45	-.66	.91	---	---	---

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	1.73	.75	1.31	2.11	-.41	1.13	1.44	-.03	.77
2	---	---	---	1.73	.48	1.11	2.02	.24	1.18	1.55	.69	1.18
3	---	---	---	1.65	-.32	.67	1.84	.40	1.30	1.52	.75	1.03
4	---	---	---	---	---	---	2.59	1.25	1.83	2.53	.52	1.65
5	---	---	---	---	---	---	2.47	1.36	1.89	1.96	.25	1.32
6	2.05	.83	1.42	---	---	---	2.16	1.15	1.60	1.63	.02	.98
7	1.98	.46	1.22	---	---	---	2.60	1.09	1.79	1.78	-.18	1.03
8	1.83	.13	.78	---	---	---	2.87	1.01	2.16	2.00	-.11	1.09
9	1.41	.34	.77	---	---	---	2.79	.40	1.94	1.84	-.17	1.00
10	1.14	.26	.55	---	---	---	3.07	.29	2.00	3.65	-.17	2.24
11	.96	.40	.75	---	---	---	2.86	.78	1.90	2.67	.65	1.74
12	3.06	.46	1.74	---	---	---	2.85	.74	1.81	2.13	.44	1.35
13	3.16	1.14	2.10	---	---	---	2.33	.77	1.62	1.73	-.02	.84
14	2.01	.95	1.53	---	---	---	2.48	1.05	1.78	1.00	.17	.55
15	1.72	.51	1.12	2.42	.95	1.77	1.65	.62	1.10	.80	.05	.49
16	.95	-.02	.52	2.12	.92	1.59	1.17	.20	.75	1.97	.43	1.24
17	.94	-.44	.33	1.87	.33	1.21	.80	-.11	.39	1.42	.78	1.05
18	1.24	-.25	.59	1.64	.48	1.14	1.46	.22	.87	1.16	.28	.79
19	1.58	.09	.88	1.41	.37	1.01	.45	-.17	.11	1.50	.22	.91
20	1.89	.63	1.22	1.72	.34	1.02	.98	.17	.50	1.58	-.07	.89
21	1.88	.64	1.02	1.40	.77	1.01	.84	-.32	.41	1.63	-.06	.88
22	1.81	.36	1.09	.77	.12	.38	1.15	-.25	.56	2.11	.14	1.23
23	1.88	1.55	1.71	1.81	.48	1.15	1.53	-.18	.85	1.86	-.10	1.08
24	1.95	1.19	1.66	1.65	.73	1.18	2.05	.25	1.36	2.16	-.15	1.07
25	2.04	1.28	1.66	1.49	.55	1.09	3.42	.42	2.58	1.94	-.01	1.02
26	1.59	1.00	1.39	1.74	.41	1.08	4.64	.00	3.30	1.61	.02	.95
27	1.49	.92	1.20	1.76	.40	1.20	2.89	.17	2.24	1.58	-.04	.80
28	1.60	.78	1.24	1.10	-.18	.71	.80	-.45	.18	1.48	-.11	.96
29	---	---	---	1.01	-.40	.36	1.86	-.58	.82	---	---	---
30	---	---	---	1.29	-.59	.40	1.47	-.06	.81	---	---	---
31	---	---	---	3.16	.13	1.63	---	---	---	1.39	.65	1.05
MONTH	---	---	---	---	---	---	4.64	-.58	1.36	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.66	.43	1.15	1.30	-.62	.53	2.71	.32	1.78	1.64	.92	1.29
2	1.59	.03	.95	1.21	-.37	.49	2.32	1.00	1.73	1.90	.89	1.43
3	1.96	-.04	1.13	1.30	-.26	.55	2.21	.43	1.53	1.78	.89	1.23
4	1.89	.07	1.06	1.61	-.13	.85	1.71	.20	1.01	1.75	1.08	1.56
5	1.95	.15	1.22	2.20	-.02	.93	1.48	.27	.86	3.00	1.70	2.32
6	2.37	.35	1.59	1.86	.13	1.03	1.57	.33	1.05	2.72	2.12	2.35
7	2.11	.22	1.17	1.46	.12	.84	1.39	.66	1.09	2.33	1.63	2.00
8	2.13	.22	1.27	1.37	.16	.80	1.33	.76	1.03	2.10	1.30	1.67
9	2.77	.70	1.96	1.15	.14	.73	1.39	.70	1.03	2.01	.93	1.49
10	3.58	2.00	2.78	1.00	.14	.72	1.51	.49	.96	1.89	.43	1.26
11	2.29	1.55	1.88	1.16	.50	.76	1.41	.66	.98	2.33	.78	1.60
12	1.90	1.07	1.62	1.25	.57	.89	1.64	.53	1.12	2.15	.90	1.61
13	1.41	.80	1.11	1.48	.77	1.12	1.56	.26	.96	2.09	.82	1.60
14	1.23	.29	.82	2.23	.56	1.22	1.61	.06	.89	2.02	.66	1.48
15	1.30	.46	.87	1.81	.52	1.24	1.58	-.18	.81	2.05	.86	1.46
16	1.38	-.07	.76	1.79	-.04	1.05	1.88	-.01	1.01	1.99	.98	1.46
17	1.11	-.21	.55	2.21	.49	1.26	1.87	.02	1.06	1.94	1.11	1.51
18	1.51	-.54	.62	5.38	.24	2.26	1.77	.13	1.04	1.78	1.07	1.48
19	1.72	-.53	.71	---	---	---	1.64	.20	1.00	2.00	.96	1.54
20	1.50	-.52	.54	---	---	---	1.18	.23	.71	2.04	.96	1.49
21	1.76	-.46	.76	---	---	---	1.60	.60	1.01	1.85	.70	1.24
22	1.67	-.45	.75	1.39	-.05	.99	1.55	1.09	1.33	1.74	.48	1.14
23	1.53	-.43	.78	1.23	-.05	.85	1.82	.89	1.31	2.03	.59	1.33
24	1.78	-.05	1.10	1.11	.33	.88	1.92	.86	1.37	1.92	.31	1.17
25	1.21	.36	.85	.92	.48	.72	2.04	1.23	1.57	1.43	.39	1.01
26	1.16	.47	.89	1.01	.41	.68	2.13	.78	1.50	2.07	.74	1.47
27	1.17	.63	.87	1.39	.30	.86	1.76	.49	1.18	1.84	1.11	1.51
28	1.17	.52	.87	1.45	.06	.84	1.50	.44	1.02	1.60	.51	1.18
29	1.42	.26	.92	1.45	-.38	.73	1.64	.39	1.12	.98	.34	.63
30	1.37	-.08	.76	1.80	.11	1.01	1.49	.48	1.04	.95	.42	.63
31	---	---	---	1.86	-.10	1.02	1.58	.80	1.20	---	---	---
MONTH	3.58	-.54	1.08	---	---	---	2.71	-.18	1.14	3.00	.31	1.44

MISSISSIPPI RIVER DELTA

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

WATER-QUALITY RECORD

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Feb. 1992 to current year.

WATER TEMPERATURE: June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--The specific conductance values above 32,800 microsiemens were calculated from salinity values.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 43,400 microsiemens, Sep. 6, 1997; minimum daily, 2,690 microsiemens, Feb. 4, 1995.

WATER TEMPERATURE: Maximum daily, 34.3 °C, Aug. 19, 1995; minimum daily, 2.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 43,400 microsiemens, Sep.6; minimum daily, 4,250 microsiemens, Jan. 17.

WATER TEMPERATURE: Maximum daily, 33.9 °C, Aug. 19; minimum daily, 4.7 °C Jan. 18

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28500	27200	27600	27100	23300	24600	28600	23400	26300	16600	15200	15900
2	28000	27200	27700	27500	23200	25700	29200	26600	28300	16300	13600	15500
3	34200	28000	31800	30000	26600	28700	28300	26300	27500	15100	14300	14800
4	36000	34200	35400	30100	28100	29300	28200	26900	27700	20500	14700	16500
5	36200	35500	35800	29400	27400	28500	28300	24400	27100	20500	17900	19500
6	43000	35600	39800	27500	25100	26100	26800	23300	25000	20800	16400	18700
7	42100	34400	37300	29100	25500	27100	25700	23200	24700	21300	16800	18800
8	35100	34800	34900	27300	23400	25500	27100	25200	26300	21300	16200	18000
9	34900	30700	32400	24300	22500	23400	26500	18700	25000	---	---	---
10	31000	28000	29800	24500	23300	23800	25600	22800	24400	---	---	---
11	32600	28200	30000	25800	23900	24600	26100	23100	24100	15700	11400	14200
12	32300	30100	31200	29700	25300	26500	26700	23300	24500	17500	10600	14000
13	32100	31300	31700	30900	27200	29000	26200	23800	24900	22900	13000	18000
14	34100	30400	32000	30900	26900	29100	27300	24400	25300	19600	10500	14300
15	34500	30300	32500	30000	19700	25400	27500	19400	25600	12300	9710	10900
16	---	---	---	24100	19900	22400	25200	19400	23100	15600	8210	10700
17	31200	25100	27400	22700	21900	22400	25400	24100	24500	10100	4250	7070
18	30400	25000	27800	23500	19300	22000	25600	24400	25100	9480	5230	7640
19	32500	29100	30500	28800	20700	24100	25200	24400	24800	13500	7100	9310
20	31900	27500	28900	25900	25200	25600	24900	22700	23800	14900	9850	12200
21	29400	26800	28500	25900	25100	25500	24300	9090	19600	16500	12900	14800
22	28200	26400	27400	28300	25000	26900	22500	9760	14900	26300	13000	16600
23	28200	25800	27200	28700	26500	27600	22000	11400	15200	26300	17900	21200
24	29100	26600	28200	29700	27000	27800	21900	13700	19000	22400	15500	20600
25	29500	26800	28700	28200	26200	27300	23000	21500	22200	22100	16200	18800
26	28900	26300	27300	28500	26900	27600	22900	16900	21600	21600	18400	19900
27	28000	25500	26800	31500	28400	29300	19900	14500	18600	21700	18700	20000
28	28400	26000	27300	31700	28300	29800	19000	11700	16000	20700	17900	19200
29	28600	25200	27400	31000	24400	29500	16300	12900	14800	19600	16700	18100
30	27700	23800	26200	28800	23500	26100	18400	13900	16400	17700	14100	15100
31	26600	23100	24900	---	---	---	16700	15300	16100	16000	12000	14300
MONTH	43000	23100	30100	31700	19300	26400	29200	9090	22700	26300	4250	15700

MISSISSIPPI RIVER DELTA

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

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	22600	14900	18200	---	---	---	12400	8040	10200	18000	15200	16500
2	24600	18900	22000	---	---	---	12300	8980	10700	22200	16300	18400
3	23500	18300	21900	---	---	---	13300	10200	12000	22300	14900	20300
4	23400	20100	22200	---	---	---	16600	11500	13900	21300	14900	17900
5	23000	17300	19100	---	---	---	16200	6290	9660	23000	18500	20700
6	24300	18900	21400	---	---	---	9160	6170	7190	19600	15300	17500
7	24300	19300	22200	---	---	---	10600	6100	8070	17700	15200	16400
8	22600	15400	17400	---	---	---	12600	9950	11700	17600	16000	17000
9	16800	14600	15800	---	---	---	14000	10500	12100	17000	14200	15900
10	16100	12000	14000	---	---	---	17500	10500	14800	21900	15700	18700
11	12900	10900	11700	---	---	---	18400	14300	16600	20600	16800	18400
12	29200	11100	17300	---	---	---	14900	11400	13100	19200	17100	18200
13	29100	19700	24600	---	---	---	12800	7440	9190	17800	16600	17300
14	20800	17500	19000	---	---	---	14600	9630	12200	16900	15700	16300
15	20100	15500	17100	15300	14500	14800	13800	11200	12500	15800	15300	15600
16	21200	15800	18300	16600	15300	16000	12900	11200	12000	19100	15300	17100
17	16500	14400	15200	16900	15900	16300	11800	9510	10500	19100	17900	18400
18	16300	12800	14600	16500	9580	14100	12100	9410	11100	18600	15200	16900
19	---	---	---	13300	11200	12100	10800	5750	8070	15900	13800	14500
20	---	---	---	15000	12100	14200	9130	5740	6910	14200	8820	11000
21	---	---	---	14400	10100	12500	9410	7550	8770	12400	9040	10300
22	---	---	---	10100	7500	8430	16300	8100	12400	12000	9570	10700
23	---	---	---	14000	7550	10600	14200	8280	10300	14000	11300	12300
24	---	---	---	13700	10500	12500	23200	12400	19100	15600	11800	13000
25	---	---	---	13000	11800	12200	31200	21400	25700	14000	12100	13100
26	---	---	---	12200	10500	11300	32400	24400	28800	14800	11800	13300
27	---	---	---	11800	10400	11100	30700	21300	25900	15700	11900	14000
28	---	---	---	11400	7700	9570	26100	11900	19500	17100	12800	15300
29	---	---	---	9660	7570	8720	18000	12000	14700	---	---	---
30	---	---	---	10700	7200	8820	16900	13800	15100	---	---	---
31	---	---	---	11500	8040	9550	---	---	---	21200	14300	18300
MONTH	---	---	---	---	---	---	32400	5740	13400	23000	8820	16000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	15400	13200	14300	23400	21400	22700	38800	21600	26800	29000	20000	26200
2	14700	13200	14000	23700	21500	22400	33200	22400	28200	34600	21600	28600
3	15600	13600	14400	24200	21800	23000	34700	20300	28600	37600	23600	29400
4	17400	14200	16000	24800	22100	23600	30500	18800	26300	33900	22100	28300
5	17000	14500	15500	25200	20300	23200	37100	21300	27200	34400	17700	30200
6	19000	15300	17700	24000	18300	21000	33200	17400	27000	43400	28000	33500
7	17400	15400	16500	---	---	---	31900	19600	27400	36500	29200	33000
8	16800	15500	16200	---	---	---	34900	22200	27400	34200	28100	31500
9	16800	13800	15100	24300	19600	21500	30700	21100	26500	34600	20100	26900
10	14500	13400	14000	23600	18200	21400	30000	17300	26400	34900	19700	26600
11	14300	13400	13900	24500	15200	21500	39500	16300	27300	31200	26200	27800
12	14800	10800	13000	24300	14500	20900	37400	19200	27700	37000	21100	27600
13	12600	10700	11800	23500	11500	20100	33000	23100	25900	35600	17800	27800
14	11700	10600	11100	23500	17800	21000	33500	16900	24400	37100	21300	26500
15	13000	11300	12300	23400	13800	17400	31400	18500	24200	27100	15600	25000
16	22700	12700	17700	21300	12700	15800	31500	15500	24300	34000	15700	25000
17	32900	20400	25800	19100	11800	15500	32000	20200	24100	31100	15700	22700
18	34000	25100	30400	23600	15500	20100	30600	18300	24500	31100	15500	22100
19	30700	20200	26800	---	---	---	31600	13600	24500	30800	15500	23100
20	27700	26100	26800	---	---	---	32800	16500	24400	25600	16000	23200
21	26900	24900	25900	---	---	---	33600	17400	22900	30300	20800	23800
22	26900	23900	25600	---	---	---	31600	18100	24600	25100	14600	23100
23	26200	24000	25100	17300	10000	14100	36500	22300	25000	31500	15300	22600
24	26000	23500	24500	21600	10200	15400	31400	16000	25500	25100	18600	22900
25	25500	23700	24700	21200	12400	17000	31000	23700	27200	31700	15600	23500
26	25300	21100	23000	26500	16000	18600	39000	28700	30400	31700	21700	24600
27	22600	21500	22300	26000	15600	20800	34700	23000	28400	34900	22300	25600
28	22400	22200	22400	29500	19200	23700	32300	18500	25500	29500	16000	25100
29	23100	22000	22600	29500	15200	24000	31300	22000	26100	31200	19100	25100
30	23200	22500	22900	31400	15200	26600	32700	21600	26100	28900	12900	23300
31	---	---	---	29900	12100	25600	36300	18100	26000	---	---	---
MONTH	34000	10600	19400	31400	10000	20700	39500	13600	26200	43400	12900	26200

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.6	23.8	24.6	26.3	24.7	25.4	17.7	15.9	17.0	18.0	16.5	17.2
2	26.6	25.0	25.7	25.5	19.4	22.8	15.9	14.3	14.9	18.4	17.5	17.8
3	26.0	25.0	25.4	19.7	17.6	18.8	16.1	13.6	15.1	18.7	17.1	17.9
4	25.7	24.5	25.1	19.2	17.3	18.3	15.5	14.4	14.8	18.0	15.7	17.3
5	24.8	23.0	23.9	21.1	19.0	19.9	15.9	14.3	15.0	17.9	15.8	17.1
6	23.0	21.8	22.4	22.0	20.0	21.0	16.9	15.3	16.2	18.4	15.1	16.8
7	21.8	20.4	21.2	22.6	21.7	22.1	20.5	16.8	19.1	15.2	13.7	14.5
8	21.7	19.7	20.7	22.3	17.8	19.9	18.3	15.2	16.5	15.1	13.6	14.3
9	22.7	20.4	21.5	17.8	16.2	17.0	16.1	14.2	15.2	---	---	---
10	23.1	21.0	21.8	17.8	15.2	16.5	16.9	14.4	15.9	---	---	---
11	21.5	20.1	20.8	18.7	16.7	17.6	18.0	16.4	17.1	11.2	9.1	9.8
12	21.9	19.7	20.8	18.8	17.0	17.8	19.7	16.4	18.1	9.1	7.9	8.6
13	23.0	20.8	21.7	18.9	16.6	17.7	19.9	17.5	18.6	7.9	6.7	7.5
14	23.4	21.7	22.4	19.8	17.6	18.6	19.6	17.6	18.5	7.4	6.2	6.9
15	23.8	21.8	22.9	19.6	18.0	18.6	19.4	16.8	18.0	9.4	6.9	7.9
16	---	---	---	19.0	18.3	18.7	18.0	14.5	17.1	9.4	7.2	8.5
17	26.6	24.1	24.9	19.7	18.8	19.3	15.1	13.4	14.3	7.2	5.9	6.4
18	25.2	21.7	24.3	21.0	19.5	20.0	13.5	10.5	12.7	7.6	4.7	5.9
19	21.7	19.3	20.5	21.7	20.3	21.1	10.5	4.8	7.8	8.3	5.1	6.7
20	21.2	19.2	20.1	22.0	20.7	21.3	8.0	4.8	7.2	11.1	7.4	9.1
21	22.5	20.6	21.4	22.4	21.1	21.7	9.1	6.9	8.1	10.9	9.2	10.1
22	23.1	21.2	22.3	22.5	19.6	21.0	11.6	8.6	9.9	12.7	10.4	11.5
23	21.2	18.4	19.3	20.4	18.7	19.7	12.8	10.6	11.7	13.4	10.8	12.5
24	20.5	18.1	19.3	20.7	19.2	20.0	14.0	11.6	12.9	15.9	12.5	14.1
25	21.7	19.9	20.8	20.1	15.7	18.4	11.9	10.5	11.1	16.1	14.4	15.5
26	23.2	21.5	22.3	15.8	13.4	14.7	12.0	10.5	11.4	15.2	13.7	14.6
27	25.0	22.9	24.1	13.8	12.9	13.2	13.3	11.7	12.7	17.0	14.5	15.8
28	26.4	24.3	25.2	14.3	12.2	13.4	15.0	12.1	13.5	16.5	14.6	15.9
29	26.1	24.6	25.4	15.5	13.8	14.8	14.9	13.7	14.4	14.6	12.9	13.6
30	26.5	24.8	25.6	17.1	15.0	16.2	16.4	14.2	15.1	13.2	12.2	12.7
31	26.5	25.2	25.7	---	---	---	16.8	15.2	16.1	13.3	11.8	12.5
MONTH	26.6	18.1	22.7	26.3	12.2	18.9	20.5	4.8	14.4	18.7	4.7	12.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.8	12.5	13.3	---	---	---	18.7	17.5	18.2	23.3	20.9	21.9
2	15.3	13.6	14.4	---	---	---	19.7	16.9	18.4	23.4	21.6	22.5
3	16.2	15.0	15.7	---	---	---	20.1	18.6	19.5	24.8	22.3	23.3
4	16.7	15.9	16.2	---	---	---	20.9	19.7	20.3	23.6	20.6	22.2
5	16.7	15.4	16.1	---	---	---	20.7	19.4	20.1	23.0	20.3	21.5
6	15.7	13.9	14.5	---	---	---	22.3	19.9	21.0	24.8	20.5	22.7
7	15.2	13.6	14.5	---	---	---	22.2	20.5	21.4	25.4	22.4	23.9
8	15.0	12.0	13.4	---	---	---	20.9	19.0	19.7	25.6	23.4	24.4
9	12.0	11.1	11.6	---	---	---	20.3	18.4	19.3	26.7	24.0	25.3
10	12.0	10.4	11.1	---	---	---	20.6	18.5	19.6	25.8	21.6	23.0
11	11.4	9.5	10.5	---	---	---	19.9	19.2	19.7	22.2	20.7	21.5
12	11.3	9.9	10.4	---	---	---	20.4	19.0	19.6	23.1	21.0	21.9
13	13.3	11.3	12.1	---	---	---	19.8	17.2	18.1	24.4	21.6	23.1
14	12.2	11.0	11.8	---	---	---	17.2	15.9	16.4	25.5	23.3	24.4
15	12.0	10.5	11.2	20.6	17.6	18.7	17.6	15.3	16.5	26.2	23.8	24.9
16	13.1	10.5	12.1	17.8	16.5	17.3	20.4	16.6	18.2	25.5	24.1	24.8
17	14.2	11.6	13.1	17.5	16.6	17.1	20.5	17.9	19.4	25.7	23.6	24.6
18	15.8	12.9	14.5	20.6	17.4	18.8	18.7	16.0	17.4	26.9	24.5	25.6
19	---	---	---	20.5	19.4	19.7	20.4	17.0	18.5	26.2	25.0	25.5
20	---	---	---	20.6	17.5	18.6	20.8	18.6	19.6	28.6	24.6	26.0
21	---	---	---	19.4	16.6	17.7	23.7	19.9	21.5	27.8	25.6	26.7
22	---	---	---	20.8	17.5	19.1	22.6	20.5	21.5	28.1	25.8	27.0
23	---	---	---	20.5	18.9	19.7	22.9	20.9	21.9	29.8	26.8	28.0
24	---	---	---	20.7	18.8	19.8	21.2	19.4	20.3	29.3	26.7	27.8
25	---	---	---	22.2	19.3	20.7	20.8	18.8	19.3	27.0	25.3	26.2
26	---	---	---	22.9	21.1	21.9	18.8	18.4	18.6	29.2	26.4	27.4
27	---	---	---	23.9	21.9	22.9	20.4	18.5	19.1	29.6	27.6	28.5
28	---	---	---	24.1	23.0	23.6	20.5	18.9	19.6	29.5	28.3	29.0
29	---	---	---	24.2	23.1	23.5	22.2	18.4	19.8	---	---	---
30	---	---	---	23.7	22.0	22.9	21.7	20.1	21.0	---	---	---
31	---	---	---	22.0	18.7	19.8	---	---	---	26.6	24.9	25.5
MONTH	---	---	---	---	---	---	23.7	15.3	19.5	29.8	20.3	24.8

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.5	24.1	25.4	31.6	29.2	30.4	30.7	28.1	29.3	31.8	29.3	30.3
2	27.2	24.9	26.0	32.1	29.2	30.5	29.6	27.1	28.2	31.7	29.6	30.6
3	28.3	25.2	26.4	32.1	29.1	30.6	30.7	28.1	29.0	31.4	29.5	30.6
4	28.6	25.2	27.0	32.9	30.1	31.4	30.3	28.9	29.5	31.1	29.5	30.3
5	28.1	26.8	27.5	31.9	29.4	30.9	31.2	28.7	29.7	30.0	28.7	29.3
6	27.9	26.0	26.9	31.0	29.1	30.0	31.4	29.8	30.5	29.1	27.9	28.4
7	27.1	25.9	26.4	30.8	29.1	30.0	32.2	29.4	30.4	28.6	26.6	27.7
8	27.0	25.5	26.2	33.2	28.6	29.6	31.1	29.6	30.3	29.3	27.1	28.2
9	27.4	25.5	26.4	31.2	28.3	29.5	31.0	29.0	29.8	29.6	28.1	28.8
10	26.8	25.7	26.0	32.5	29.1	30.5	30.6	29.4	30.1	30.1	28.3	29.0
11	27.5	25.4	26.4	33.1	29.9	31.3	32.1	29.7	30.8	29.9	27.8	28.8
12	29.2	26.5	27.7	32.8	30.4	31.5	32.3	30.3	31.2	30.0	28.0	28.9
13	30.1	27.7	28.7	32.5	30.3	31.2	33.8	30.7	32.0	30.4	28.6	29.3
14	30.2	27.4	28.7	31.8	29.2	30.4	32.1	30.9	31.6	31.1	29.2	30.0
15	31.1	28.0	29.2	32.2	29.3	30.7	32.8	30.3	31.3	31.0	29.6	30.3
16	30.3	28.2	29.1	31.7	30.1	30.7	32.3	30.4	31.3	31.2	29.5	30.3
17	29.1	27.6	28.3	30.1	27.5	29.0	32.6	30.3	31.3	31.4	29.5	30.3
18	27.6	26.3	26.7	27.5	25.5	26.4	33.7	30.8	32.1	31.1	29.5	30.3
19	27.9	25.5	26.7	---	---	---	33.9	31.6	32.7	30.8	29.2	30.0
20	29.8	26.3	27.9	---	---	---	33.4	31.1	32.4	30.4	28.6	29.5
21	30.8	27.6	29.0	---	---	---	32.0	29.9	31.0	31.2	28.7	29.8
22	31.2	28.7	29.9	---	---	---	31.3	29.3	30.4	31.6	29.1	30.2
23	32.1	29.3	30.3	29.6	28.4	29.1	30.2	28.3	29.2	30.5	29.2	29.7
24	30.8	28.8	29.7	31.4	28.7	29.8	29.6	27.5	28.5	29.9	28.6	29.1
25	29.6	28.1	28.7	32.8	30.3	31.1	29.7	27.4	28.6	28.9	25.9	27.6
26	28.9	27.7	28.1	31.9	29.5	30.7	30.0	28.0	28.9	26.7	24.9	25.7
27	29.9	27.9	28.8	31.7	29.5	30.3	31.0	28.3	29.4	26.5	24.9	25.7
28	31.1	28.2	29.5	31.1	29.3	30.1	31.3	28.4	29.8	27.3	25.2	26.1
29	31.4	28.6	29.7	30.8	29.6	30.2	32.0	29.2	30.5	28.8	25.5	26.9
30	31.4	28.9	30.0	31.3	29.0	30.0	32.4	29.9	31.1	29.3	26.5	27.7
31	---	---	---	31.4	29.5	30.5	32.3	30.1	31.1	---	---	---
MONTH	32.1	24.1	27.9	33.2	25.5	30.2	33.9	27.1	30.4	31.8	24.9	29.0

LOWER MISSISSIPPI RIVER BASIN

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)

LOCATION.--Lat 29°16'26", long 89°21'00", T.21 S., R.31 E., Plaquemines Parish, Hydrologic Unit 08090100, cross section of river at Venice and at mile 10.7.

DRAINAGE AREA.--Not determined.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	SETTLABLE MATTER (ML/L/HR) (50086)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 μM-MF (COLS./100 ML) (31625)
NOV 1996												
19...	1400	536	7.54	13.5	-20	98	<1	9.7	19	1.6	760	88
APR 1997												
10...	1100	302	7.75	15.5	10	--	<1	--	12	--	1100	130
AUG 06...	0830	546	8.08	31.5	5	8.8	<1	5.9	--	0.2	1200	610
SEP 25...	0930	2020	7.94	27.0	10	2.9	<1	7.7	--	0.5	280	K62

DATE	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)	ALKALINITY WATER WHOLE FIELD (MG/L AS CaCO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
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NOV 1996											
19...	140	35	12	94	58	66	0.2	312	240	--	<0.01
APR 1997											
10...	120	32	9.0	79	33	14	0.2	182	85	--	0.03
AUG 06...	190	49	16	137	71	36	0.4	324	18	--	<0.01
SEP 25...	300	51	41	130	130	430	0.4	1080	--	12	<0.01

DATE	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
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NOV 1996											
19...	<0.01	0.80	0.79	0.01	0.01	0.45	<0.20	0.17	0.07	0.09	0.08
APR 1997											
10...	0.02	1.3	1.3	0.02	0.03	0.76	0.46	0.15	0.07	0.08	0.05
AUG 06...	<0.01	1.5	1.5	0.02	0.02	0.38	0.25	0.14	0.11	0.11	0.11
SEP 25...	0.01	0.67	0.67	<0.01	0.02	0.30	0.30	0.06	0.04	0.06	0.06

DATE	ARSENIC TOTAL (μG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (μG/L AS BE) (01012)	CADMIUM, TOTAL UNFLTRD (μG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (μG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (μG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (μG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (μG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (μG/L AS MN) (01055)
NOV 1996								
19...	4	<0.5	<1	6	9	6700	6	320
APR 1997								
10...	1	<0.5	<1	3	<1	2700	3	130

< 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 1996 TO SEPTEMBER 1997

		MERCURY TOTAL RECOV- ERABLE (µG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	SELE- NIUM, TOTAL (µG/L AS SE) (01147)	VANA- DIUM, DIS- SOLVED (µG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (µG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)		
DATE		NOV 1996 19...	<0.1	9	<1	2	30	<0.01	<1	<1	
		APR 1997 10...	<0.1	<1	<1	<1	20	<0.01	<1	<1	
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TRI- FLU- ALIN, WATER, DISS, REC (µG/L) (04023)	PROP- CHLOR, WATER, DISS, REC (µG/L) (04024)	HEXA- ZINONE, WATER, DISS, REC (µG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (µG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (µG/L) (04027)	BUTYL- ATE, WATER, DISS, REC (µG/L) (04028)	BRO- MACIL, WATER, DISS, REC (µG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (µG/L) (04030)	SI- CLOATE, WATER, DISS, REC (µG/L) (04031)	TER- BACIL, WATER, DISS, REC (µG/L) (04032)
NOV 1996 19...	7.4	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05	<0.05
APR 1997 10...	5.2	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05	<0.05
AUG 06...	4.5	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05	<0.05
SEP 25...	3.6	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05	<0.05
DATE	DIPHEN- AMID, WATER, DISS, REC (µG/L) (04033)	VERNO- LATE, WATER, DISS, REC (µG/L) (04034)	SI- MAZINE, WATER, DISS, REC (µG/L) (04035)	PRO- METRYN, WATER, DISS, REC (µG/L) (04036)	PRO- METON, WATER, DISS, REC (µG/L) (04037)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (µG/L) (04038)	DEETHYL ATRA- ZINE, WATER, DISS, REC (µG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (µG/L) (04041)	AMETRYN WATER, DISS, REC, (µG/L) (38401)	PROP- AZINE WATER, DISS, REC (µG/L) (38535)	METO- LACHLOR WATER DISSOLV (µG/L) (39415)
NOV 1996 19...	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.200	<0.050	<0.050	0.075
APR 1997 10...	<0.05	<0.05	E0.030	<0.050	<0.050	E0.029	E0.044	E0.040	<0.050	<0.050	0.121
AUG 06...	<0.05	<0.05	0.063	E0.032	<0.050	0.103	0.205	0.235	<0.050	E0.027	0.315
SEP 25...	<0.05	<0.05	E0.030	<0.050	<0.050	<0.050	0.078	E0.088	<0.050	<0.050	0.121
DATE	ATRA- ZINE, WATER, DISS, REC (µG/L) (39632)	2,4-D, TOTAL (µG/L) (39730)	2,4,5-T TOTAL (µG/L) (39740)	SILVEX, TOTAL (µG/L) (39760)	ALA- CHLOR, WATER, DISS, REC, (µG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (µG/L) (49260)	2, 4-DP TOTAL (µG/L) (82183)	METRI- BUZIN SENCOR WATER DISSOLV (µG/L) (82630)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (µG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (µG/L) (70954)	
NOV 1996 19...	0.160	0.02	<0.01	<0.01	<0.050	<0.050	<0.01	<0.050	<0.1	<0.1	
APR 1997 10...	0.098	<0.01	<0.01	<0.01	<0.050	E0.013	<0.01	<0.050	--	--	
AUG 06...	0.779	0.02	<0.01	<0.01	E0.033	E0.043	<0.01	<0.050	2.0	<0.1	
SEP 25...	0.261	<0.01	<0.01	<0.01	<0.050	E0.048	<0.01	<0.050	2.6	<0.1	

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

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'57", long 90°14'55", on line between SE 1/4 NE 1/4 and SW 1/4 NE 1/4 sec. 13, T. 5 S., R. 9 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08090201, near center of span on downstream side of bridge on State Highway 40, 1.2 mi upstream from Bull Branch, and 3.6 mi southwest of Folsom.

DRAINAGE AREA.--95.5 mi², not including Bull Branch which has a drainage area of 7.5 mi² at State Highway 40. Total drainage area for extreme floods is 103 mi².

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

REVISED RECORDS.--WSP 1057: 1944(M), 1945. WDR LA-83-2: 1948(M), 1953(M), 1961(M), 1962(M), 1973(M), 1977(M).

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft. above sea level. Prior to June 9, 1944, non-recording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0500	*7,810	*19.94	Apr. 13	0600	2,430	16.01
Feb. 5	1700	1,420	13.96	Apr. 29	0100	1,460	14.06
Feb. 26	0900	5,770	19.03	Jul. 15	0900	1,620	14.45
Mar. 14	1200	1,590	14.39				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	126	686	161	176	451	123	205	471	167	88	61
2	87	112	903	129	150	319	103	154	213	128	83	58
3	81	106	333	116	133	316	96	196	125	110	77	57
4	62	99	171	106	263	306	93	172	104	98	73	57
5	57	94	137	99	1200	218	107	124	95	93	72	56
6	59	91	129	92	969	192	324	109	92	167	80	56
7	82	89	119	112	319	167	342	102	100	151	72	55
8	81	115	107	243	214	146	146	97	226	135	69	56
9	64	150	95	354	189	132	115	93	286	354	141	55
10	58	109	89	289	154	126	102	90	347	196	120	54
11	54	94	85	174	137	126	163	87	166	180	105	55
12	52	88	82	135	127	124	900	85	159	128	90	53
13	52	84	84	120	398	333	2010	84	244	135	114	52
14	51	81	84	117	1030	1380	834	83	158	394	81	52
15	50	80	80	110	695	874	281	82	108	1290	72	52
16	50	79	79	199	278	317	175	88	94	510	69	52
17	50	77	90	273	197	207	135	115	116	178	67	51
18	50	78	96	151	161	173	113	88	428	175	65	51
19	50	80	85	123	144	163	99	90	548	129	65	50
20	49	86	80	111	144	189	92	194	357	105	65	50
21	49	81	77	102	248	506	87	141	174	117	66	50
22	49	78	76	99	736	744	82	183	130	130	61	50
23	50	78	75	306	463	299	79	139	110	110	61	49
24	50	80	75	350	237	188	76	109	116	284	60	50
25	68	83	74	404	2060	151	72	329	236	284	59	52
26	1610	107	73	229	4660	135	162	490	577	136	58	56
27	5520	91	80	155	1570	135	580	246	795	121	58	55
28	1540	82	93	231	690	125	1060	144	794	95	57	53
29	434	80	99	597	---	116	1140	118	292	88	57	52
30	185	89	160	587	---	108	398	126	218	89	57	52
31	145	---	218	237	---	120	---	159	---	82	57	---
TOTAL	10893	2767	4714	6511	17742	8886	10089	4522	7879	6359	2319	1602
MEAN	351	92.2	152	210	634	287	336	146	263	205	74.8	53.4
MAX	5520	150	903	597	4660	1380	2010	490	795	1290	141	61
MIN	49	77	73	92	127	108	72	82	92	82	57	49
CFSM	3.68	.97	1.59	2.20	6.64	3.00	3.52	1.53	2.75	2.15	.78	.56
IN.	4.24	1.08	1.84	2.54	6.91	3.46	3.93	1.76	3.07	2.48	.90	.62

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1997, BY WATER YEAR (WY)

MEAN	70.6	121	187	243	305	258	254	166	102	95.2	97.7	89.8
MAX	351	800	866	1630	1257	621	1227	853	373	302	426	419
(WY)	1997	1962	1954	1993	1961	1973	1983	1953	1959	1949	1983	1977
MIN	32.0	39.5	51.3	57.7	57.7	53.6	50.6	44.8	35.5	36.8	34.3	31.1
(WY)	1969	1982	1970	1957	1968	1955	1963	1963	1968	1968	1968	1968

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1944 - 1997

ANNUAL TOTAL	55654	84283	
ANNUAL MEAN	152	231	165
HIGHEST ANNUAL MEAN			313
LOWEST ANNUAL MEAN			62.5
HIGHEST DAILY MEAN	5520	Oct 27	15100
LOWEST DAILY MEAN	49	Oct 20	.00
ANNUAL SEVEN-DAY MINIMUM	50	Oct 16	28
INSTANTANEOUS PEAK FLOW			29800
INSTANTANEOUS PEAK STAGE			19.94
INSTANTANEOUS LOW FLOW			48
INSTANTANEOUS LOW STAGE			5.10
ANNUAL RUNOFF (CFSM)	1.59	2.42	1.73
ANNUAL RUNOFF (INCHES)	21.68	32.83	23.46
10 PERCENT EXCEEDS	211	441	302
50 PERCENT EXCEEDS	81	112	73
90 PERCENT EXCEEDS	54	55	44

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.21	6.49	10.82	6.94	7.12	9.50	6.45	7.42	9.62	7.01	6.02	5.59
2	5.75	6.30	12.07	6.54	6.82	8.50	6.17	6.86	7.46	6.52	5.95	5.55
3	5.67	6.21	8.53	6.35	6.60	8.47	6.06	7.32	6.49	6.26	5.85	5.53
4	5.35	6.11	7.06	6.20	7.80	8.38	6.01	7.06	6.19	6.10	5.80	5.51
5	5.25	6.03	6.66	6.10	13.17	7.57	6.22	6.46	6.04	6.01	5.79	5.49
6	5.30	5.98	6.53	6.01	12.28	7.29	8.48	6.25	6.01	6.93	5.90	5.49
7	5.69	5.95	6.40	6.29	8.46	7.02	8.62	6.15	6.12	6.79	5.78	5.49
8	5.68	6.33	6.22	7.79	7.52	6.77	6.76	6.08	7.60	6.58	5.74	5.50
9	5.39	6.81	6.05	8.77	7.26	6.59	6.33	6.02	8.18	8.76	6.68	5.47
10	5.27	6.25	5.95	8.21	6.86	6.49	6.15	5.97	8.69	7.30	6.43	5.47
11	5.21	6.04	5.89	7.09	6.65	6.50	6.84	5.91	7.00	7.15	6.23	5.47
12	5.17	5.94	5.85	6.62	6.51	6.47	11.60	5.89	6.92	6.52	6.04	5.45
13	5.17	5.87	5.87	6.40	8.96	8.34	15.24	5.88	7.79	6.57	6.34	5.43
14	5.15	5.83	5.88	6.36	12.64	13.80	11.66	5.85	6.89	8.99	5.91	5.42
15	5.14	5.81	5.82	6.27	10.95	11.89	8.23	5.85	6.23	13.49	5.78	5.41
16	5.13	5.79	5.80	7.30	8.13	8.44	7.30	5.94	6.03	9.72	5.73	5.41
17	5.13	5.77	5.97	8.08	7.34	7.44	6.86	6.33	6.31	7.13	5.69	5.40
18	5.13	5.78	6.07	6.82	6.95	7.08	6.55	5.93	9.31	7.11	5.67	5.39
19	5.12	5.81	5.90	6.45	6.74	6.98	6.35	5.96	10.16	6.56	5.66	5.39
20	5.11	5.91	5.80	6.28	6.75	7.25	6.24	7.31	8.74	6.26	5.66	5.38
21	5.11	5.83	5.76	6.15	7.73	9.83	6.16	6.70	7.09	6.41	5.68	5.38
22	5.12	5.79	5.75	6.11	11.26	11.30	6.09	7.18	6.56	6.58	5.61	5.37
23	5.13	5.78	5.73	8.29	9.49	8.29	6.03	6.65	6.26	6.32	5.59	5.37
24	5.13	5.81	5.73	8.75	7.74	7.25	5.98	6.25	6.33	8.11	5.58	5.37
25	5.45	5.87	5.71	9.15	14.15	6.83	5.93	8.50	7.73	8.14	5.57	5.42
26	12.43	6.22	5.69	7.66	18.23	6.62	7.00	9.77	10.33	6.64	5.55	5.48
27	18.68	5.98	5.80	6.88	14.14	6.63	10.30	7.80	11.60	6.45	5.55	5.45
28	14.01	5.84	6.02	7.62	10.99	6.49	12.70	6.73	11.55	6.13	5.53	5.42
29	9.26	5.80	6.10	10.44	---	6.35	12.99	6.38	8.23	6.03	5.53	5.41
30	7.21	5.95	6.92	10.36	---	6.24	9.04	6.49	7.56	6.04	5.53	5.40
31	6.76	---	7.56	7.75	---	6.41	---	6.88	---	5.94	5.53	---
MAX	18.68	6.81	12.07	10.44	18.23	13.80	15.24	9.77	11.60	13.49	6.68	5.59
MIN	5.11	5.77	5.69	6.01	6.51	6.24	5.93	5.85	6.01	5.94	5.53	5.37

MISSISSIPPI RIVER DELTA
07375500 TANGIPAHOA RIVER AT ROBERT, LA

LOCATION.--Lat 30°30'23", long 90°21'42", on line between secs. 39 and 40, T. 6 S., R. 8 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chappelpeela Creek, and 6.0 mi east of Hammond.

DRAINAGE AREA.--646 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 6.87 ft above sea level. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good. Several measurements of water temperature were made during the year.

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)
Oct. 27	1130	13,100	18.81	Apr. 13	0930	8,420	17.11
Feb. 26	1500	*13,700	*18.99	Apr. 30	0513	12,100	18.49

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	872	2780	872	1660	5380	1510	5840	1480	1360	714	529
2	478	798	2400	908	1230	3230	1070	2390	1300	1150	716	573
3	530	784	1190	736	1050	2540	901	1960	968	1020	703	554
4	495	708	842	654	1380	2490	814	1780	818	946	e685	542
5	470	656	729	606	4060	1910	1090	1310	742	906	e665	528
6	486	624	665	573	4050	1600	2620	1120	702	1680	e649	515
7	504	613	628	730	1860	1390	3700	1030	741	1200	625	506
8	499	846	595	1320	1330	1240	3070	952	897	1820	618	497
9	488	1080	573	1640	1230	1130	1850	891	1360	2090	664	492
10	462	843	558	1380	1100	1070	1170	842	1330	1420	703	494
11	451	774	537	1060	1000	1020	1770	801	1580	1140	671	510
12	446	744	545	878	928	983	6020	776	3140	977	793	505
13	444	716	584	782	2880	2400	7920	748	4220	1000	836	491
14	440	693	609	741	5930	5390	4860	730	1820	1260	690	483
15	438	662	601	701	6500	5240	2210	705	1080	1960	636	476
16	436	571	585	1140	4680	2780	1510	765	895	1240	607	473
17	436	526	651	1500	2150	1740	1240	799	954	1030	591	469
18	443	515	755	1030	1440	1400	1090	703	2440	882	615	466
19	432	512	657	851	1200	1270	990	723	5300	824	634	462
20	431	508	594	758	1080	1410	911	812	5650	798	586	460
21	428	496	529	708	1500	2490	852	986	2660	871	578	456
22	428	482	504	687	2440	2830	809	1140	1570	810	566	454
23	435	469	491	1120	2170	2230	778	842	1310	859	559	453
24	441	467	484	2070	2150	1570	779	777	1430	984	551	454
25	626	507	477	2110	5770	1210	760	1380	1920	1110	539	473
26	4350	563	482	1680	12700	1080	1080	1320	3320	1030	531	487
27	11600	541	519	1080	11100	1050	2660	980	3680	834	526	482
28	7010	491	512	1710	8310	1010	5600	800	3690	764	522	471
29	2320	471	686	4110	---	927	8810	719	2590	733	518	466
30	1210	544	807	5110	---	874	10800	777	1990	724	515	460
31	999	---	989	3720	---	992	---	1120	---	710	526	---
TOTAL	39153	19076	23558	42965	92878	61876	79244	36518	61577	34132	19332	14681
MEAN	1263	636	760	1386	3317	1996	2641	1178	2053	1101	624	489
MAX	11600	1080	2780	5110	12700	5390	10800	5840	5650	2090	836	573
MIN	428	467	477	573	928	874	760	703	702	710	515	453
CFSM	1.96	.98	1.18	2.15	5.13	3.09	4.09	1.82	3.18	1.70	.97	.76
IN.	2.25	1.10	1.36	2.47	5.35	3.56	4.56	2.10	3.55	1.97	1.11	.85

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1997, BY WATER YEAR (WY)

MEAN	578	772	1309	1620	2030	1848	1832	1206	829	784	724	718
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1939 - 1997		
ANNUAL TOTAL	335544		524990				
ANNUAL MEAN	917		1438		1183		
HIGHEST ANNUAL MEAN					2258		
LOWEST ANNUAL MEAN					525		
HIGHEST DAILY MEAN	11600	Oct 27	12700	Feb 26	78500	Apr 7	1983
LOWEST DAILY MEAN	428	Oct 21	428	Oct 21	245	Oct 30	1968
ANNUAL SEVEN-DAY MINIMUM	433	Oct 17	433	Oct 17	246	Oct 28	1968
INSTANTANEOUS PEAK FLOW			13700	Feb 26	85000	Apr 7	1983
INSTANTANEOUS PEAK STAGE			18.99	Feb 26	25.87	Apr 7	1983
INSTANTANEOUS LOW FLOW			423	Oct 22	245	Oct 30	1968
INSTANTANEOUS LOW STAGE			6.16	Oct 22	2.95	Oct 30	1939
ANNUAL RUNOFF (CFSM)	1.42		2.23		1.83		
ANNUAL RUNOFF (INCHES)	19.32		30.23		24.88		
10 PERCENT EXCEEDS	1400		2850		2110		
50 PERCENT EXCEEDS	631		842		650		
90 PERCENT EXCEEDS	465		482		385		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.42	7.95	11.98	7.95	9.97	15.06	9.64	15.34	9.58	9.13	7.23	6.65
2	6.36	7.73	11.37	8.05	8.95	12.63	8.53	11.34	9.14	8.57	7.23	6.80
3	6.53	7.69	8.82	7.54	8.46	11.66	8.03	10.59	8.22	8.18	7.19	6.74
4	6.42	7.46	7.86	7.31	9.22	11.57	7.79	10.22	7.80	7.95	---	6.69
5	6.33	7.31	7.52	7.16	13.63	10.50	8.50	9.17	7.56	7.83	---	6.65
6	6.39	7.22	7.34	7.04	13.61	9.86	11.71	8.68	7.44	9.90	---	6.60
7	6.45	7.18	7.23	7.52	10.37	9.36	13.22	8.39	7.56	8.69	6.98	6.57
8	6.43	7.86	7.12	9.17	9.21	8.98	12.43	8.17	8.02	10.13	6.96	6.54
9	6.39	8.55	7.04	9.95	8.95	8.70	10.33	8.01	9.26	10.82	7.09	6.53
10	6.30	7.87	6.99	9.34	8.63	8.52	8.79	7.87	9.20	9.27	7.19	6.53
11	6.26	7.66	6.92	8.49	8.31	8.38	9.85	7.74	9.62	8.53	7.11	6.59
12	6.24	7.56	6.95	7.97	8.11	8.26	15.59	7.66	12.52	8.04	7.47	6.57
13	6.24	7.48	7.08	7.68	11.84	10.98	16.86	7.58	13.82	8.12	7.61	6.52
14	6.22	7.41	7.17	7.55	15.59	15.10	14.48	7.52	10.26	8.84	7.16	6.50
15	6.21	7.33	7.14	7.44	16.05	14.94	11.05	7.45	8.56	10.55	7.01	6.47
16	6.21	7.03	7.08	8.66	14.34	11.96	9.66	7.63	8.02	8.79	6.92	6.46
17	6.21	6.88	7.29	9.60	10.92	10.14	8.98	7.73	8.18	8.20	6.86	6.45
18	6.23	6.84	7.60	8.41	9.49	9.37	8.57	7.44	11.34	7.76	6.94	6.44
19	6.19	6.83	7.31	7.89	8.89	9.07	8.28	7.50	15.02	7.59	7.01	6.42
20	6.19	6.82	7.12	7.61	8.54	9.38	8.06	7.77	15.31	7.50	6.85	6.42
21	6.18	6.78	6.89	7.45	9.54	11.57	7.90	8.25	11.71	7.73	6.82	6.40
22	6.18	6.73	6.80	7.40	11.49	12.11	7.77	8.69	9.64	7.54	6.78	6.39
23	6.20	6.69	6.76	8.65	10.98	11.11	7.67	7.87	8.99	7.69	6.75	6.39
24	6.22	6.68	6.74	10.79	10.92	9.77	7.67	7.67	9.31	8.07	6.73	6.39
25	6.84	6.82	6.72	10.88	15.07	8.92	7.61	9.30	10.38	8.45	6.68	6.46
26	13.26	7.01	6.73	9.99	18.66	8.55	8.51	9.18	12.77	8.21	6.66	6.51
27	18.32	6.93	6.86	8.54	18.14	8.46	11.65	8.26	13.20	7.62	6.64	6.49
28	16.13	6.76	6.83	9.94	17.02	8.32	15.29	7.74	13.21	7.39	6.63	6.45
29	11.12	6.69	7.39	13.70	---	8.11	17.21	7.49	11.70	7.29	6.61	6.44
30	8.91	6.92	7.76	14.86	---	7.96	18.01	7.67	10.60	7.26	6.60	6.42
31	8.31	---	8.28	13.18	---	8.29	---	8.64	---	7.21	6.64	---
MAX	18.32	8.55	11.98	14.86	18.66	15.10	18.01	15.34	15.31	10.82	---	6.80
MIN	6.18	6.68	6.72	7.04	8.11	7.96	7.61	7.44	7.44	7.21	---	6.39

MISSISSIPPI RIVER DELTA

07375800 TICKFAW RIVER AT LIVERPOOL, LA

LOCATION.--Lat 30°55'50", long 90°40'24", on line between secs. 46 and 47, T. 1 S., R. 5 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on State Highway 38, 0.2 mi east of intersection of State Highways 38 and 441, 0.5 mi upstream from Cotton Patch Branch, and 1.0 mi north of Liverpool.

DRAINAGE AREA.--89.7 mi².

PERIOD OF RECORD.--March 1956 to September 1968, October 1979 to September 1981 (published as "near Liverpool"). October 1968 to September 1979 (annual maximums only), October 1981 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 204.44 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Oct. 1, 1982 altitude of gage, 206 ft, from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi west at same datum. Oct. 1, 1963, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at same site 0.2 mi west at same datum.

REMARKS.--Recording rain gage, satellite telemetry at station.

AVERAGE DISCHARGE.--14 years (1957-68, 1980-81), 116 ft³/s, 17.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s, Apr. 6, 1983, maximum gage height, 13.30 ft; minimum gage height, 1.62 ft, July 22, 23, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,200 ft³/s, Apr. 27; gage height, 12.29 ft; minimum gage height, 1.68 ft, Oct. 15, 16, 17, 18, 19, 20, 21.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.88	2.37	2.06	2.85	4.56	3.82	---	2.82	2.43	2.62	2.02
2	1.75	1.98	2.22	2.00	2.60	3.57	2.61	2.73	2.46	2.20	2.13	1.97
3	1.75	1.86	2.07	1.98	2.44	3.62	2.27	2.52	2.25	2.10	2.02	1.96
4	1.74	1.84	2.00	1.95	4.36	3.38	2.12	2.36	2.16	2.06	2.01	1.93
5	1.74	1.85	2.00	1.93	6.25	2.86	4.25	2.26	2.11	2.05	1.99	1.91
6	1.82	1.84	1.98	1.90	4.21	2.61	8.20	2.21	2.11	2.04	1.99	1.91
7	1.81	2.10	1.97	2.16	2.97	2.43	6.93	2.18	2.14	2.30	1.96	1.90
8	1.76	2.34	1.93	2.51	2.80	2.30	3.29	2.16	2.20	2.31	2.03	1.89
9	1.74	2.09	1.91	2.78	2.78	2.23	2.68	2.14	2.21	2.15	2.03	1.90
10	1.73	1.95	1.90	2.46	2.55	2.18	2.38	2.12	2.18	2.12	2.03	1.91
11	1.69	1.91	1.89	2.26	2.41	2.14	2.33	2.10	2.45	2.09	2.95	1.90
12	1.70	1.89	1.89	2.13	2.54	2.12	2.95	2.10	3.05	2.13	2.76	1.87
13	1.70	1.87	1.89	2.09	7.33	2.96	3.02	2.08	2.58	3.42	2.29	1.86
14	1.69	1.86	1.89	2.13	8.87	4.71	2.55	2.08	2.29	3.42	2.08	1.85
15	1.69	1.85	1.88	2.18	5.98	3.88	2.27	2.10	2.18	2.30	2.03	1.84
16	1.69	1.84	2.01	2.92	3.62	2.86	2.14	2.68	2.13	2.12	2.00	1.85
17	1.69	1.83	2.21	2.59	3.00	2.50	2.05	2.28	2.96	2.08	2.00	1.84
18	1.69	1.86	2.17	2.27	2.70	2.32	1.96	2.16	5.50	2.06	2.01	1.83
19	1.69	1.88	2.02	2.13	2.51	2.28	1.93	2.12	5.39	2.05	1.97	1.82
20	1.68	1.86	1.95	2.06	2.47	2.66	1.91	2.11	3.36	2.04	1.96	1.82
21	1.69	1.85	1.93	2.01	4.02	3.38	1.90	2.23	2.78	2.15	1.96	1.82
22	1.72	1.84	1.92	2.07	4.65	3.07	1.90	2.17	2.45	2.09	1.95	1.83
23	1.71	1.85	1.92	3.26	3.08	2.55	1.90	2.37	2.27	2.36	1.93	1.83
24	1.71	1.85	2.00	2.86	2.81	2.28	1.90	2.56	2.19	2.27	1.92	1.84
25	2.22	2.01	1.96	4.22	8.04	2.13	1.90	2.76	2.16	2.09	1.91	1.93
26	3.21	1.98	1.93	2.86	9.83	2.21	2.99	2.47	3.34	2.10	1.90	1.91
27	2.60	1.91	1.96	2.42	7.85	2.24	8.51	2.29	3.62	2.05	1.89	1.87
28	2.08	1.89	1.95	4.38	5.41	2.14	10.14	2.20	3.80	2.02	1.89	1.86
29	1.93	1.90	2.02	8.31	---	2.05	7.68	2.21	3.22	2.01	1.89	1.86
30	1.89	2.23	2.10	6.56	---	2.28	---	2.22	2.77	2.03	1.88	1.84
31	1.87	---	2.15	3.35	---	5.10	---	2.34	---	2.53	1.98	---
MAX	3.21	2.34	2.37	8.31	9.83	5.10	---	---	5.50	3.42	2.95	2.02
MIN	1.68	1.83	1.88	1.90	2.41	2.05	---	---	2.11	2.01	1.88	1.82

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.--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)
Oct. 28	1230	3,770	11.85	Apr. 13	0630	2,850	10.57
Feb. 16	0100	2,790	10.67	Apr. 30	0930	6,290	15.73
Feb. 27	1400	*6,550	*15.96	June 20	1736	3,100	11.13

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	257	477	261	1480	4020	304	3960	209	620	154	120
2	108	220	1020	778	643	2430	497	1920	207	366	171	120
3	106	204	558	435	369	1190	379	949	224	294	205	127
4	105	235	353	312	378	841	277	756	200	248	168	122
5	104	193	286	265	1040	667	360	434	186	220	154	122
6	111	177	253	236	1520	522	713	341	179	225	148	120
7	114	172	236	244	1210	427	1210	295	179	238	146	118
8	117	196	219	451	626	371	1180	268	274	202	150	115
9	115	519	204	814	408	330	1300	251	478	237	146	116
10	108	358	192	602	348	302	680	236	855	250	170	115
11	103	252	184	455	299	283	906	223	525	261	180	115
12	101	204	179	351	267	266	2360	213	1420	230	150	115
13	99	180	175	300	796	471	2660	204	973	222	185	114
14	98	166	172	284	1740	1270	1180	198	471	329	201	112
15	97	157	169	288	2470	1460	531	193	318	887	171	111
16	97	152	172	436	2590	909	374	191	255	1080	151	110
17	97	148	188	830	2160	557	307	193	262	374	143	110
18	102	145	200	532	803	399	266	226	660	261	138	109
19	97	144	209	381	413	357	238	218	1790	217	135	108
20	95	144	199	315	340	343	217	195	2900	194	135	107
21	94	144	186	278	428	422	201	187	2060	181	133	108
22	95	141	177	257	632	466	190	220	692	216	130	107
23	95	138	173	632	610	428	182	230	440	203	128	107
24	97	137	170	1290	613	357	176	303	377	297	127	107
25	197	156	168	820	1650	299	169	451	347	350	126	114
26	2080	168	169	561	3460	281	241	393	499	324	124	112
27	3290	161	184	528	6020	275	633	287	760	227	123	113
28	3690	152	187	747	5600	298	1390	232	646	206	121	112
29	2160	146	237	1310	---	267	2490	202	749	189	121	111
30	482	190	285	1530	---	246	5680	195	1040	168	120	109
31	318	---	270	1210	---	234	---	212	---	158	122	---
TOTAL	14682	5756	7851	17733	38913	20988	27291	14376	20175	9474	4576	3406
MEAN	474	192	253	572	1390	677	910	464	673	306	148	114
MAX	3690	519	1020	1530	6020	4020	5680	3960	2900	1080	205	127
MIN	94	137	168	236	267	234	169	187	179	158	120	107
CFSM	1.92	.78	1.03	2.32	5.63	2.74	3.68	1.88	2.72	1.24	.60	.46
IN.	2.21	.87	1.18	2.67	5.86	3.16	4.11	2.17	3.04	1.43	.69	.51

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1997, BY WATER YEAR (WY)

MEAN	158	234	438	597	733	661	636	401	241	202	210	209
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 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1941 - 1997		
ANNUAL TOTAL	103829			185221					
ANNUAL MEAN	284			507			392		
HIGHEST ANNUAL MEAN							707		
LOWEST ANNUAL MEAN							148		
HIGHEST DAILY MEAN	3690	Oct	28	6020	Feb	27	19200	Apr	7 1983
LOWEST DAILY MEAN	94	Oct	21	94	Oct	21	65	Oct	3 1968
ANNUAL SEVEN-DAY MINIMUM	96	Oct	17	96	Oct	17	66	Sep	27 1968
INSTANTANEOUS PEAK FLOW				6550	Feb	27	22500	Apr	7 1983
INSTANTANEOUS PEAK STAGE				15.96	Feb	27	21.04	Apr	7 1983
INSTANTANEOUS LOW FLOW				94	Oct	20-22	65	Oct	1 1969
INSTANTANEOUS LOW STAGE				0.39	Oct	20-22	0.39	Oct	20-22 1996
ANNUAL RUNOFF (CFSM)	1.15			2.05			1.59		
ANNUAL RUNOFF (INCHES)	15.64			27.90			21.54		
10 PERCENT EXCEEDS	444			1200			812		
50 PERCENT EXCEEDS	174			237			168		
90 PERCENT EXCEEDS	115			113			100		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	1.90	3.29	1.72	7.27	12.91	2.24	12.77	1.56	4.06	1.21	.84
2	.50	1.64	5.62	4.60	4.32	9.55	3.53	8.16	1.55	2.74	1.35	.84
3	.49	1.53	3.58	2.90	2.91	6.21	2.78	5.40	1.67	2.25	1.63	.91
4	.48	1.74	2.37	2.08	2.97	5.03	2.05	4.66	1.49	1.93	1.32	.86
5	.47	1.44	1.89	1.75	5.85	4.32	2.63	3.15	1.37	1.74	1.21	.85
6	.54	1.29	1.66	1.53	7.44	3.66	4.49	2.51	1.31	1.78	1.15	.84
7	.57	1.25	1.53	1.59	6.50	3.12	6.28	2.18	1.31	1.86	1.13	.81
8	.60	1.45	1.41	2.95	4.36	2.72	6.19	1.98	2.01	1.62	1.17	.79
9	.59	3.59	1.31	4.78	3.28	2.43	6.57	1.86	3.25	1.85	1.13	.80
10	.52	2.63	1.20	3.82	2.88	2.23	4.25	1.75	5.04	1.94	1.35	.79
11	.47	1.87	1.14	3.06	2.56	2.09	4.90	1.66	3.68	2.02	1.42	.79
12	.45	1.52	1.09	2.36	2.35	1.97	9.42	1.59	6.89	1.80	1.17	.78
13	.43	1.32	1.06	2.00	5.13	3.27	10.14	1.53	5.47	1.75	1.45	.77
14	.43	1.19	1.03	1.88	8.23	6.45	6.10	1.49	3.34	2.49	1.59	.75
15	.42	1.12	1.01	1.91	9.97	7.03	3.76	1.44	2.35	5.12	1.34	.74
16	.42	1.07	1.03	2.87	10.23	5.27	2.89	1.42	1.89	5.81	1.17	.73
17	.42	1.03	1.17	4.85	9.27	3.81	2.44	1.44	1.94	2.79	1.09	.73
18	.47	1.00	1.28	3.48	5.18	2.92	2.17	1.68	4.07	2.02	1.04	.72
19	.42	.99	1.34	2.57	3.44	2.62	1.98	1.63	7.92	1.72	1.01	.71
20	.40	.99	1.26	2.11	2.93	2.53	1.83	1.45	10.68	1.55	1.01	.70
21	.39	.99	1.15	1.84	3.51	3.08	1.73	1.38	8.60	1.44	.99	.70
22	.40	.96	1.08	1.68	4.59	3.37	1.64	1.64	4.39	1.70	.95	.69
23	.40	.93	1.04	3.23	4.48	3.12	1.57	1.71	3.21	1.61	.93	.69
24	.42	.92	1.01	7.25	4.50	2.62	1.51	2.23	2.82	2.26	.92	.69
25	1.32	1.10	.99	7.73	7.82	2.21	1.46	3.27	2.61	2.63	.91	.76
26	8.08	1.22	1.00	6.32	11.97	2.08	1.98	2.87	3.52	2.46	.89	.74
27	10.96	1.15	1.13	6.22	15.45	2.03	4.10	2.12	4.73	1.78	.88	.75
28	11.72	1.07	1.16	6.87	15.05	2.20	6.83	1.72	4.23	1.64	.86	.74
29	8.38	1.01	1.54	6.49	---	1.98	9.62	1.51	4.69	1.50	.86	.73
30	3.39	1.40	1.88	7.33	---	1.82	15.11	1.45	5.72	1.32	.85	.71
31	2.35	---	1.78	6.45	---	1.74	---	1.58	---	1.24	.87	---
MAX	11.72	3.59	5.62	7.73	15.45	12.91	15.11	12.77	10.68	5.81	1.63	.91
MIN	.39	.92	.99	1.53	2.35	1.74	1.46	1.38	1.31	1.24	.85	.69

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA.

LOCATION.--Lat 30°30'15", long 90°32'45", in NE 1/4 NW 1/4 sec. 30, T. 6 S., R. 7 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070203, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi downstream from Still Branch, and 0.7 mi west of Baptist.

DRAINAGE AREA.--79.5 mi².

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

REVISED RECORDS.--WSP 1057: 1943.

GAGE.--Water-stage recorder. Datum of gage is 10.79 ft above sea level. Prior to July 29, 1994, the datum of gage was 11.28 ft above sea level. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft upstream at same datum.

REMARKS.--Records good. 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)
Oct. 26	1730	*3,660	*15.41	Apr. 12	1300	2,860	14.29
Feb. 26	0730	3,170	14.75				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	53	656	54	96	269	47	89	125	82	25	19
2	9.2	45	403	41	80	191	47	65	45	55	24	15
3	8.7	39	128	34	68	313	47	432	30	44	23	15
4	8.4	33	74	31	385	207	48	147	27	37	28	15
5	8.3	31	56	28	598	132	643	64	27	35	26	15
6	13	29	50	26	223	110	672	47	28	105	26	15
7	20	33	44	139	115	83	174	41	65	61	24	14
8	12	86	37	311	93	69	77	38	112	474	23	13
9	9.4	80	31	338	81	59	57	35	419	246	27	13
10	8.6	50	28	161	69	53	55	33	149	90	23	14
11	8.2	36	26	87	59	49	1100	31	142	54	22	13
12	8.0	30	24	60	72	45	2690	31	288	41	21	12
13	8.1	27	24	55	1280	987	2300	30	84	44	21	12
14	8.0	26	26	56	855	1380	486	29	52	54	24	13
15	7.8	25	23	68	305	434	177	31	39	39	20	12
16	7.6	24	27	438	158	154	114	31	32	62	20	12
17	8.0	23	76	188	113	100	85	29	83	48	20	12
18	12	23	57	91	90	81	71	28	674	31	27	12
19	8.8	23	38	64	77	104	66	29	1120	28	23	11
20	7.8	22	30	51	69	285	e63	28	1170	27	20	11
21	7.5	22	27	42	374	389	e58	28	251	33	20	11
22	7.7	21	25	85	366	141	e42	33	112	38	19	11
23	8.0	20	23	468	132	82	39	29	164	30	18	11
24	7.9	20	22	798	400	61	36	41	137	166	18	11
25	329	42	21	339	2050	52	34	251	171	115	17	15
26	2530	57	20	134	2960	55	289	127	416	118	16	13
27	2650	36	40	84	1570	53	859	52	550	48	17	11
28	1040	28	34	808	465	52	1110	35	231	33	17	11
29	208	25	221	640	---	49	349	30	316	29	16	11
30	95	127	141	224	---	48	139	30	146	27	16	11
31	67	---	79	127	---	47	---	73	---	26	22	---
TOTAL	7141.2	1136	2511	6070	13203	6134	11974	2017	7205	2320	663	384
MEAN	230	37.9	81.0	196	472	198	399	65.1	240	74.8	21.4	12.8
MAX	2650	127	656	808	2960	1380	2690	432	1170	474	28	19
MIN	7.5	20	20	26	59	45	34	28	27	26	16	11
CFSM	2.90	.48	1.02	2.46	5.93	2.49	5.02	.82	3.02	.94	.27	.16
IN.	3.34	.53	1.17	2.84	6.18	2.87	5.60	.94	3.37	1.09	.31	.18

e Estimated

MISSISSIPPI RIVER DELTA
07376500 NATALBANY RIVER AT BAPTIST, LA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1997, BY WATER YEAR (WY)

MEAN	38.0	78.5	140	182	252	213	207	119	61.6	54.5	59.8	57.9
MAX	356	750	710	582	1026	563	821	791	412	230	378	586
(WY)	1986	1949	1954	1993	1966	1995	1983	1953	1950	1946	1992	1977
MIN	2.61	3.47	6.97	9.48	19.3	15.2	8.36	5.60	5.88	4.55	4.94	5.86
(WY)	1964	1966	1959	1957	1968	1955	1963	1963	1955	1947	1948	1969

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1944 - 1997		
ANNUAL TOTAL	34355.0		60758.2				
ANNUAL MEAN	93.9		166		121		
HIGHEST ANNUAL MEAN					234		
LOWEST ANNUAL MEAN					25.0		
HIGHEST DAILY MEAN	2650	Oct 27	2960	Feb 26	9700	Apr	7 1983
LOWEST DAILY MEAN	7.5	Oct 21	7.5	Oct 21			
ANNUAL SEVEN-DAY MINIMUM	8.0	Oct 11	8.0	Oct 11	2.1	Dec	11 1962
INSTANTANEOUS PEAK FLOW			3660	Oct 26	9810	Apr	7 1983
INSTANTANEOUS PEAK STAGE			15.41	Oct 26	20.80	Apr	7 1983
INSTANTANEOUS LOW FLOW			7.3	Oct 16, 21, 22	1.8	Nov	2 1963
INSTANTANEOUS LOW STAGE			3.23	Oct 16, 21, 22	2.78	Oct	14-18 1980
ANNUAL RUNOFF (CFSM)	1.18		2.09		1.53		
ANNUAL RUNOFF (INCHES)	16.08		28.43		20.73		
10 PERCENT EXCEEDS	153		401		255		
50 PERCENT EXCEEDS	25		45		26		
90 PERCENT EXCEEDS	9.6		12		7.4		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.31	4.38	8.07	4.40	4.77	6.07	4.30	4.79	5.07	4.71	3.77	3.58
2	3.31	4.26	6.78	4.19	4.60	5.62	4.30	4.51	4.20	4.37	3.74	3.46
3	3.29	4.16	5.16	4.06	4.45	6.32	4.30	6.79	3.93	4.19	3.72	3.45
4	3.27	4.05	4.66	3.99	6.46	5.70	4.30	5.26	3.84	4.08	3.83	3.47
5	3.27	3.99	4.43	3.90	7.78	5.21	7.58	4.50	3.83	4.02	3.79	3.45
6	3.45	3.93	4.33	3.86	5.71	5.02	8.11	4.24	3.88	4.90	3.80	3.45
7	3.67	4.02	4.25	4.97	4.96	4.76	5.47	4.14	4.30	4.44	3.73	3.43
8	3.42	4.75	4.12	6.31	4.74	4.60	4.68	4.08	5.00	7.03	3.72	3.41
9	3.31	4.72	3.99	6.46	4.62	4.47	4.44	4.04	6.82	5.91	3.82	3.40
10	3.28	4.33	3.90	5.40	4.47	4.39	4.41	3.99	5.27	4.79	3.70	3.43
11	3.27	4.11	3.84	4.80	4.33	4.32	8.76	3.96	5.11	4.35	3.68	3.41
12	3.26	3.97	3.79	4.48	4.44	4.26	14.02	3.94	6.14	4.14	3.66	3.36
13	3.26	3.89	3.80	4.42	10.78	9.35	13.29	3.92	4.73	4.16	3.64	3.36
14	3.26	3.85	3.85	4.43	8.99	11.10	7.17	3.91	4.32	4.35	3.75	3.39
15	3.25	3.81	3.75	4.53	6.20	6.93	5.51	3.94	4.10	4.11	3.63	3.36
16	3.24	3.79	3.87	6.98	5.30	5.36	5.04	3.95	3.97	4.32	3.60	3.35
17	3.26	3.77	4.64	5.57	4.94	4.94	4.75	3.88	4.55	4.24	3.61	3.36
18	3.41	3.77	4.43	4.84	4.72	4.74	4.59	3.87	8.12	3.94	3.84	3.35
19	3.29	3.75	4.13	4.54	4.56	4.97	4.52	3.90	10.19	3.87	3.70	3.34
20	3.25	3.74	3.96	4.35	4.47	6.03	---	3.88	10.27	3.83	3.61	3.34
21	3.24	3.72	3.88	4.21	6.45	6.71	---	3.86	5.94	3.97	3.60	3.33
22	3.25	3.70	3.82	4.53	6.54	5.26	4.16	3.99	5.01	4.08	3.58	3.32
23	3.26	3.68	3.75	7.14	5.10	4.74	4.10	3.90	5.22	3.91	3.57	3.32
24	3.25	3.68	3.72	8.71	6.57	4.49	4.05	4.11	5.16	5.28	3.54	3.33
25	5.80	4.19	3.69	6.45	12.67	4.36	4.02	5.91	5.42	4.93	3.52	3.46
26	13.14	4.44	3.68	5.21	14.43	4.41	5.99	5.11	6.73	5.01	3.51	3.39
27	13.90	4.11	4.17	4.77	11.46	4.39	8.81	4.32	7.48	4.26	3.51	3.33
28	9.70	3.93	4.05	8.69	7.12	4.37	10.08	4.02	5.76	4.00	3.51	3.32
29	5.70	3.82	5.54	7.96	---	4.33	6.49	3.91	6.30	3.89	3.51	3.32
30	4.88	4.63	5.26	5.72	---	4.31	5.23	3.91	5.28	3.84	3.49	3.32
31	4.57	---	4.71	5.06	---	4.30	---	4.31	---	3.81	3.65	---
MAX	13.90	4.75	8.07	8.71	14.43	11.10	---	6.79	10.27	7.03	3.84	3.58
MIN	3.24	3.68	3.68	3.86	4.33	4.26	---	3.86	3.83	3.81	3.49	3.32

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA

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

DRAINAGE AREA.--580 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above sea level. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 14	1630	10,900	13.19	Apr. 7	0300	11,800	13.59
Feb. 26	1600	17,400	15.56	Apr. 28	1040	*39,300	*18.80

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	350	367	793	715	1060	e5810	874	1500	949	606	639	407
2	320	390	682	563	863	e3970	655	1130	737	558	549	398
3	312	352	563	500	739	e2460	571	952	618	522	513	443
4	302	332	425	461	2470	1340	565	831	551	497	498	417
5	295	326	383	429	3220	1090	5910	748	532	478	487	390
6	295	324	365	407	1480	921	10600	696	530	499	478	375
7	298	356	351	470	1040	799	9400	661	600	658	471	369
8	295	613	337	1080	1100	722	3590	636	784	934	471	366
9	290	528	327	1280	1270	670	1410	611	821	1610	997	363
10	284	397	322	1090	1010	631	1070	588	704	1120	961	382
11	278	354	320	842	821	606	942	570	984	851	707	385
12	275	335	322	657	865	656	1240	549	1030	698	955	360
13	276	325	319	569	6990	885	1310	535	684	1240	816	349
14	275	323	334	519	10100	1830	1180	523	574	1620	629	345
15	273	316	323	545	6570	2220	917	519	520	982	551	337
16	272	310	376	1200	2020	1320	791	611	489	1030	518	330
17	272	308	1010	1100	1260	953	713	545	709	743	496	327
18	271	313	919	796	1030	799	653	501	2260	641	610	323
19	263	317	652	627	900	899	612	504	1950	606	706	318
20	261	317	485	550	857	2710	590	498	1700	577	550	313
21	266	319	420	505	2270	3450	570	490	1170	555	507	310
22	268	304	392	707	6260	2960	551	508	827	539	488	310
23	270	299	377	1180	4370	1560	559	534	690	543	464	303
24	268	301	381	1480	1740	1080	607	574	625	601	451	304
25	474	317	385	1270	7570	875	562	613	589	585	438	316
26	1410	333	366	885	16200	806	1580	664	668	540	431	316
27	1900	317	366	688	11600	803	12000	549	624	526	425	308
28	1030	307	367	4660	e8020	713	31100	502	585	509	415	298
29	570	311	395	6020	---	665	15100	706	818	501	407	296
30	435	419	1250	3420	---	889	4250	924	775	499	401	290
31	386	---	1060	1500	---	1490	---	861	---	662	397	---
TOTAL	13034	10430	15367	36715	103695	46582	110472	20633	25097	22530	17426	10348
MEAN	420	348	496	1184	3703	1503	3682	666	837	727	562	345
MAX	1900	613	1250	6020	16200	5810	31100	1500	2260	1620	997	443
MIN	261	299	319	407	739	606	551	490	489	478	397	290
CFM	.72	.60	.85	2.04	6.39	2.59	6.35	1.15	1.44	1.25	.97	.59
IN.	.84	.67	.99	2.35	6.65	2.99	7.09	1.32	1.61	1.45	1.12	.66

e Estimated

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1997, BY WATER YEAR (WY)

MEAN	452	575	1079	1501	1815	1604	1572	990	643	525	448	477
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	347	257	264	261	218	220
(WY)	1964	1970	1967	1957	1970	1955	1963	1965	1969	1960	1954	1963

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR			WATER YEARS 1951 - 1997		
ANNUAL TOTAL	217825		432329					
ANNUAL MEAN	595		1184			972		
HIGHEST ANNUAL MEAN						1924		
LOWEST ANNUAL MEAN						380		
HIGHEST DAILY MEAN	10700	Jan 28	31100	Apr 28	66400	Jan 25	1990	
LOWEST DAILY MEAN	261	Oct 20	261	Oct 20	188	Oct 18	1956	
ANNUAL SEVEN-DAY MINIMUM	267	Oct 18	267	Oct 18	190	Oct 26	1963	
INSTANTANEOUS PEAK FLOW			39300	Apr 28	104000	Jan 25	1990	
INSTANTANEOUS PEAK STAGE			18.80	Apr 28	22.05	Jan 25	1990	
INSTANTANEOUS LOW FLOW			260	Oct 19,20	188	Oct 18	1956	
INSTANTANEOUS LOW STAGE			2.22	Oct 19,20	0.39	Sep 6-9	1990	
ANNUAL RUNOFF (CFSM)	1.03		2.04		1.68			
ANNUAL RUNOFF (INCHES)	13.97		27.73		22.78			
10 PERCENT EXCEEDS	891		1720		1680			
50 PERCENT EXCEEDS	418		574		436			
90 PERCENT EXCEEDS	291		312		259			

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.48	2.49	3.47	3.29	4.12	---	3.49	4.96	3.96	3.15	3.03	2.59
2	2.40	2.54	3.22	2.95	3.71	---	3.00	4.30	3.51	3.04	2.83	2.57
3	2.38	2.45	2.95	2.80	3.44	---	2.79	3.96	3.26	2.96	2.75	2.68
4	2.35	2.39	2.63	2.71	6.04	4.59	2.77	3.71	3.10	2.90	2.72	2.63
5	2.33	2.38	2.53	2.64	7.29	4.14	9.32	3.54	3.06	2.86	2.69	2.57
6	2.33	2.37	2.48	2.59	4.87	3.78	13.02	3.42	3.06	2.91	2.67	2.54
7	2.33	2.45	2.44	2.73	4.07	3.51	12.24	3.35	3.21	3.25	2.65	2.53
8	2.32	3.06	2.41	4.07	4.18	3.33	7.41	3.30	3.61	3.86	2.65	2.53
9	2.30	2.87	2.38	4.45	4.50	3.21	4.48	3.24	3.69	4.97	3.75	2.52
10	2.29	2.56	2.37	4.11	4.01	3.11	3.85	3.19	3.44	4.05	3.72	2.58
11	2.27	2.45	2.36	3.58	3.62	3.05	3.57	3.15	3.98	3.49	3.18	2.59
12	2.26	2.40	2.36	3.17	3.69	3.16	4.15	3.10	4.11	3.16	3.71	2.53
13	2.26	2.38	2.36	2.97	10.66	3.64	4.27	3.07	3.40	4.27	3.41	2.51
14	2.26	2.37	2.40	2.85	12.75	5.34	4.02	3.04	3.16	4.97	3.01	2.50
15	2.25	2.35	2.37	2.91	10.42	5.96	3.48	3.03	3.04	3.77	2.83	2.49
16	2.25	2.33	2.50	4.30	5.72	4.48	3.19	3.24	2.97	3.86	2.76	2.48
17	2.25	2.32	3.92	4.11	4.49	3.76	3.01	3.09	3.43	3.26	2.71	2.47
18	2.25	2.34	3.74	3.48	4.05	3.43	2.87	2.99	6.09	3.04	2.96	2.47
19	2.23	2.35	3.15	3.10	3.79	3.61	2.77	3.00	5.65	2.96	3.18	2.46
20	2.22	2.35	2.77	2.92	3.70	6.65	2.71	2.99	5.24	2.89	2.84	2.45
21	2.24	2.36	2.62	2.82	5.86	7.56	2.65	2.97	4.32	2.84	2.75	2.45
22	2.24	2.31	2.55	3.26	10.25	6.96	2.60	3.01	3.63	2.81	2.71	2.45
23	2.25	2.30	2.51	4.26	8.56	4.84	2.61	3.07	3.33	2.82	2.67	2.44
24	2.24	2.30	2.52	4.79	5.29	3.97	2.72	3.16	3.19	2.95	2.64	2.45
25	2.76	2.35	2.53	4.44	10.60	3.54	2.60	3.25	3.11	2.91	2.62	2.49
26	4.68	2.40	2.49	3.67	15.19	3.38	4.51	3.36	3.28	2.81	2.61	2.49
27	5.54	2.35	2.49	3.23	13.34	3.37	12.69	3.10	3.19	2.78	2.60	2.47
28	3.95	2.32	2.49	8.38	---	3.16	17.93	2.99	3.10	2.74	2.58	2.45
29	2.97	2.33	2.55	10.05	---	3.05	14.55	3.44	3.60	2.72	2.57	2.45
30	2.65	2.61	4.36	7.56	---	3.49	8.26	3.90	3.52	2.72	2.56	2.45
31	2.53	---	4.02	4.91	---	4.67	---	3.78	---	3.08	2.55	---
MAX	5.54	3.06	4.36	10.05	---	---	17.93	4.96	6.09	4.97	3.75	2.68
MIN	2.22	2.30	2.36	2.59	---	---	2.60	2.97	2.97	2.72	2.55	2.44

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in sec. 41, T. 3 S., R. 2 E., St. Helena Meridian, East Feliciana Parish Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67, 1,000 ft downstream from Knighton Bayou, and 1.3 mi northeast of Olive Branch.

DRAINAGE AREA.--145 mi².

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

REVISED RECORDS.--WSP 1177: 1948, 1949(M). WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft above sea level. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft upstream. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records fair except for estimated daily discharge, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 14	0830	4,020	7.58	Apr. 28	0312	*22,200	*17.81
Feb. 26	0700	10,900	12.09	Jun. 18	----	e6,200	Unknown
Apr. 6	----	e6,270	Unknown				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	77	116	87	175	391	179	260	156	114	122	58
2	63	93	84	80	149	e228	96	205	140	92	71	58
3	61	122	72	77	133	e218	74	340	120	85	66	61
4	59	80	67	74	460	e181	67	202	114	81	64	59
5	58	72	67	73	1230	142	e6080	160	148	78	63	52
6	60	70	68	70	766	124	e6270	148	120	77	64	51
7	60	97	68	154	203	109	e2120	141	329	87	59	50
8	59	233	65	340	183	98	e452	136	480	80	61	50
9	57	144	63	261	190	94	169	133	1170	168	82	50
10	56	93	63	165	149	92	136	129	345	253	85	50
11	55	79	63	114	135	87	154	126	326	119	67	51
12	54	74	62	94	191	84	346	123	188	88	189	50
13	54	70	63	92	2780	152	247	121	131	101	76	49
14	54	67	62	87	3110	270	151	119	115	565	63	48
15	54	66	64	106	688	203	119	120	107	116	62	48
16	53	64	81	352	249	118	103	160	105	94	59	47
17	54	63	304	193	188	91	95	197	e2430	99	58	47
18	101	65	159	119	158	83	88	134	e6200	77	57	47
19	56	66	98	97	142	86	83	189	345	71	94	46
20	53	66	81	88	133	275	81	194	156	69	66	46
21	51	65	74	81	597	238	78	136	119	75	58	46
22	51	63	72	224	1420	155	76	127	103	68	56	45
23	52	63	71	476	822	100	75	131	95	120	55	46
24	52	63	70	413	328	82	75	138	90	209	54	46
25	670	67	77	425	4570	73	73	250	89	89	53	47
26	1630	67	74	161	7870	103	536	178	402	75	52	48
27	949	66	72	118	1790	83	10200	138	359	85	52	48
28	419	64	72	1470	729	74	14300	124	119	69	52	47
29	130	64	73	2400	---	70	2280	334	169	64	51	46
30	96	86	128	930	---	126	411	232	252	67	51	45
31	82	---	112	231	---	1020	---	185	---	87	51	---
TOTAL	5368	2429	2665	9652	29538	5250	45214	5310	15022	3522	2113	1482
MEAN	173	81.0	86.0	311	1055	169	1507	171	501	114	68.2	49.4
MAX	1630	233	304	2400	7870	1020	14300	340	6200	565	189	61
MIN	51	63	62	70	133	70	67	119	89	64	51	45
CFSM	1.19	.56	.59	2.15	7.28	1.17	10.4	1.18	3.45	.78	.47	.34
IN.	1.38	.62	.68	2.48	7.58	1.35	11.60	1.36	3.85	.90	.54	.38

e Estimated.

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1997, BY WATER YEAR (WY)

MEAN	112	154	282	405	465	424	409	220	141	124	119	109
MAX	774	758	1137	1506	1454	1266	1507	1232	609	570	512	623
(WY)	1986	1978	1983	1990	1966	1961	1997	1953	1975	1989	1975	1977
MIN	38.4	35.7	53.1	62.8	77.2	77.2	46.2	47.5	47.4	49.3	42.5	38.5
(WY)	1969	1969	1967	1957	1970	1955	1963	1963	1977	1956	1957	1972

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1943 - 1997		
ANNUAL TOTAL	47384		127565				
ANNUAL MEAN	129		349		246		
HIGHEST ANNUAL MEAN					527		
LOWEST ANNUAL MEAN					83.1		
HIGHEST DAILY MEAN	3350	Jan 28	14300	Apr 28	16200	Apr	6 1983
LOWEST DAILY MEAN	51	Oct 21	45	Sep 22			
ANNUAL SEVEN-DAY MINIMUM	54	Jul 17	46	Sep 18	31	Oct	12 1972
INSTANTANEOUS PEAK FLOW			22200	Apr 28	22400	Apr	22 1977
INSTANTANEOUS PEAK STAGE			17.81	Apr 28	23.37	Mar	18 1961
INSTANTANEOUS LOW FLOW			44	Sep 22,29,30			
INSTANTANEOUS LOW STAGE			.16	Sep 22	0.04	Oct	* 1995
ANNUAL RUNOFF (CFSM)	.89		2.41		1.70		
ANNUAL RUNOFF (INCHES)	12.16		32.73		23.04		
10 PERCENT EXCEEDS	179		415		440		
50 PERCENT EXCEEDS	80		92		81		
90 PERCENT EXCEEDS	55		53		47		

* many days

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.58	.84	.65	1.05	1.95	1.05	1.35	.83	.68	.72	.27
2	.29	.69	.64	.60	.90	---	.56	1.09	.73	.53	.36	.28
3	.28	.88	.54	.58	.80	---	.39	1.64	.60	.47	.32	.31
4	.26	.60	.50	.56	1.91	---	.33	1.07	.56	.44	.30	.29
5	.25	.54	.50	.55	3.93	.86	---	.85	.77	.42	.29	.24
6	.27	.52	.51	.52	2.78	.75	---	.78	.60	.41	.31	.23
7	.27	.70	.50	1.01	1.20	.64	---	.73	1.56	.49	.27	.22
8	.26	1.47	.48	1.88	1.09	.57	---	.70	2.10	.44	.29	.22
9	.25	1.01	.47	1.59	1.13	.54	1.02	.68	3.63	.88	.45	.21
10	.24	.70	.47	1.13	.91	.53	.83	.66	1.65	1.36	.48	.22
11	.23	.60	.46	.84	.81	.50	.91	.64	1.55	.71	.34	.22
12	.22	.55	.46	.70	1.03	.47	1.79	.62	1.00	.50	1.09	.22
13	.22	.52	.46	.69	6.08	.90	1.40	.61	.67	.54	.41	.20
14	.22	.50	.46	.65	6.49	1.51	.91	.59	.56	2.35	.31	.20
15	.22	.49	.47	.77	2.62	1.20	.71	.60	.51	.69	.30	.19
16	.22	.48	.60	1.91	1.42	.70	.61	.83	.50	.54	.27	.19
17	.22	.47	1.72	1.27	1.12	.52	.55	1.04	---	.58	.26	.19
18	.56	.48	1.09	.87	.96	.46	.50	.69	---	.41	.26	.18
19	.24	.49	.73	.73	.86	.49	.46	.99	1.76	.36	.55	.18
20	.21	.49	.61	.66	.80	1.44	.44	1.02	.94	.35	.34	.18
21	.20	.48	.56	.62	2.33	1.37	.42	.70	.71	.40	.28	.17
22	.20	.46	.54	1.32	4.17	.93	.40	.64	.61	.34	.26	.17
23	.20	.46	.53	2.26	2.84	.58	.39	.67	.55	.71	.25	.17
24	.20	.47	.53	2.01	1.64	.45	.39	.71	.51	1.16	.24	.18
25	2.52	.50	.58	2.07	7.67	.38	.38	1.29	.50	.51	.23	.19
26	4.47	.50	.55	1.11	10.08	.60	2.18	.95	1.72	.39	.23	.20
27	3.38	.49	.54	.86	4.62	.46	11.04	.71	1.71	.48	.23	.20
28	2.02	.47	.54	3.87	2.85	.38	13.68	.62	.71	.35	.22	.18
29	.93	.47	.55	5.57	---	.35	5.27	1.60	.94	.31	.22	.18
30	.72	.63	.92	3.09	---	.59	1.91	1.22	1.37	.33	.22	.18
31	.62	---	.82	1.34	---	3.48	---	.99	---	.49	.22	---
MAX	4.47	1.47	1.72	5.57	10.08	---	---	1.64	---	2.35	1.09	.31
MIN	.20	.46	.46	.52	.80	---	---	.59	---	.31	.22	.17

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E 1/2 sec. 39, T. 5 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.--45 mi², approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above sea level (levels by Corps of Engineers).

REMARKS.--Records fair, except for periods of estimated daily discharge, which are poor. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1000	1,810	17.04	Apr. 5	1715	1,990	17.67
Feb. 13	0645	1,760	16.89	Apr. 28	Unknown	*Unknown	*Unknown
Feb. 25	2000	2,920	20.34	Jun. 17	1930	1,850	17.17

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	2.3	14	8.2	12	68	4.5	e221	33	e6.9	e12	.24
2	2.8	3.6	4.9	5.8	9.7	31	3.3	e160	12	e3.3	e2.0	.18
3	1.9	1.4	1.8	4.9	8.2	65	8.4	e1050	5.7	e2.9	e1.9	.16
4	1.5	1.0	.96	3.4	123	26	19	e350	3.4	e2.7	e1.7	.14
5	1.3	.89	1.9	2.9	108	14	1490	e34	2.4	e2.5	e1.7	.11
6	4.1	1.0	2.2	2.5	20	10	1110	e11	2.1	e2.5	e1.7	.11
7	7.2	77	2.6	40	12	7.9	100	e4.4	8.6	e3.4	e1.5	.10
8	3.3	150	2.9	194	13	6.4	15	e3.9	95	e2.7	e1.6	.15
9	2.4	20	2.7	79	13	5.5	9.6	e2.9	1090	e13	e2.7	.15
10	1.8	6.7	3.1	23	11	5.1	7.3	e2.5	350	e25	e3.3	.10
11	1.5	3.5	3.5	10	8.0	4.5	42	e2.4	150	e12	e6.4	.07
12	1.4	2.2	3.8	7.9	89	4.2	602	e2.3	14	e2.9	e13	.05
13	1.4	1.3	3.7	12	1410	152	139	e2.2	6.2	e3.4	e2.5	.05
14	.95	1.0	3.8	13	570	102	19	e2.1	3.9	e45	e1.7	.05
15	.71	.79	4.2	65	62	19	11	e2.2	2.8	e6.9	e.76	.03
16	.66	.68	12	202	24	10	7.4	e33	2.7	e3.4	e.54	.03
17	.80	.70	89	31	14	7.0	5.5	e224	709	e3.6	e.46	.04
18	1.5	.76	16	12	10	6.5	4.4	e274	1050	e2.5	e.46	.03
19	1.4	.83	6.6	7.8	8.4	18	3.7	e155	144	e2.0	.50	.03
20	.92	.78	3.6	5.5	8.0	81	3.4	e159	14	e2.0	.33	.06
21	2.4	1.0	2.4	4.6	405	105	2.9	e11	e12	e2.4	4.0	.08
22	1.7	1.4	1.7	278	172	21	e2.5	e6.4	e6.4	e1.9	.66	.07
23	1.3	1.7	1.9	524	21	11	e2.2	e7.5	e4.5	e12	.48	.06
24	.99	2.2	1.3	69	121	7.3	e2.0	e12	e3.3	e18	.27	.12
25	609	2.5	1.1	67	2420	5.4	e1.9	e45	e3.1	e3.4	.17	.34
26	1320	1.4	1.6	17	1720	32	e15	e34	e118	e2.4	.19	.19
27	734	1.0	2.8	9.8	151	11	e3060	13	e100	e3.3	.19	.08
28	63	1.4	3.5	731	228	7.3	e4010	8.1	e12	e2.0	.14	.09
29	13	2.0	8.4	611	---	5.4	e1530	306	e14	e1.8	.13	.07
30	5.8	4.7	24	47	---	7.2	e290	153	e25	e1.9	.19	.07
31	3.5	---	13	18	---	8.0	---	78	---	e3.4	.21	---
TOTAL	2796.13295	73244.96	3106.3	7771.3	863.7	12521.0	3369.9	3997.1	201.1	63.38	3.05	
MEAN	90.2	9.86	7.90	100	278	27.9	417	109	133	6.49	2.04	.10
MAX	1320	150	89	731	2420	152	4010	1050	1090	45	13	.34
MIN	.66	.68	.96	2.5	8.0	4.2	1.9	2.1	2.1	1.8	.13	.03
CFSM	2.00	.22	.18	2.23	6.17	.62	9.27	2.42	2.96	.14	.05	.00
IN.	2.31	.24	.20	2.57	6.42	.71	10.35	2.79	3.30	.17	.05	.00

e Estimated

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1997, BY WATER YEAR (WY)

MEAN	39.1	48.7	89.2	157	157	117	148	70.1	52.9	38.0	46.2	34.9
MAX	372	209	369	426	378	335	423	260	519	282	203	226
(WY)	1985	1978	1983	1990	1988	1980	1983	1991	1989	1975	1987	1988
MIN	.16	.60	7.90	2.52	15.1	13.4	1.11	1.50	.45	.68	1.15	.016
(WY)	1991	1982	1997	1981	1989	1982	1981	1988	1995	1995	1976	1990

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1973 - 1997

ANNUAL TOTAL	11585.58	35233.65	
ANNUAL MEAN	31.7	96.5	82.8
HIGHEST ANNUAL MEAN			142 1983
LOWEST ANNUAL MEAN			32.2 1976
HIGHEST DAILY MEAN	1320 Oct 26	4010 Apr 28	4270 Apr 22 1977
LOWEST DAILY MEAN	.66 Oct 16	.03 Sep 15	.00 Aug 20 1974
ANNUAL SEVEN-DAY MINIMUM	.79 Nov 14	.04 Sep 13	.00 Oct 3 1974
INSTANTANEOUS PEAK FLOW		----- Apr 28	4730 Apr 6 1983
INSTANTANEOUS PEAK STAGE		----- Apr 28	23.24 Apr 6 1983
INSTANTANEOUS LOW FLOW		.02 Sep 19	.00 Oct 1 1983
INSTANTANEOUS LOW STAGE		1.83 Sep 19	
ANNUAL RUNOFF (CFSM)	.70	2.15	1.84
ANNUAL RUNOFF (INCHES)	9.58	29.13	172
50 PERCENT EXCEEDS	3.0	4.5	4.5
90 PERCENT EXCEEDS	1.1	.26	.43

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.26	2.26	3.01	2.66	2.81	4.46	2.33	---	3.76	---	---	1.93
2	2.15	2.39	2.51	2.49	2.66	3.57	2.23	---	2.94	---	---	1.92
3	2.05	2.15	2.20	2.42	2.56	4.44	2.53	---	2.60	---	---	1.91
4	1.99	2.08	2.07	2.29	5.22	3.42	2.62	---	2.40	---	---	1.90
5	1.96	2.06	2.20	2.24	5.20	2.92	15.63	---	2.29	---	---	1.89
6	2.23	2.08	2.25	2.19	3.14	2.72	13.84	---	2.25	---	---	1.89
7	2.51	3.87	2.28	3.50	2.79	2.58	4.83	---	2.61	---	---	1.89
8	2.21	6.07	2.32	6.77	2.80	2.48	2.99	---	3.81	---	---	1.90
9	2.11	3.27	2.30	4.70	2.79	2.41	2.70	---	13.75	---	---	1.90
10	2.04	2.64	2.33	3.31	2.68	2.38	2.56	---	8.12	---	---	1.89
11	1.99	2.39	2.37	2.77	2.52	2.33	3.56	---	5.69	---	---	1.88
12	1.98	2.24	2.40	2.60	3.85	2.30	10.22	---	3.05	---	---	1.87
13	1.97	2.13	2.39	2.83	15.51	5.72	5.60	---	2.63	---	---	1.87
14	1.90	2.08	2.39	2.88	9.86	5.07	3.17	---	2.45	---	---	1.86
15	1.85	2.04	2.42	3.93	4.32	3.14	2.75	---	2.34	---	---	1.85
16	1.84	2.01	2.84	6.80	3.31	2.70	2.56	---	2.32	---	---	1.85
17	1.87	2.02	4.94	3.57	2.90	2.52	2.43	---	8.75	---	---	1.86
18	1.98	2.03	3.08	2.81	2.70	2.48	2.34	---	13.54	---	---	1.85
19	1.97	2.04	2.60	2.58	2.58	3.13	2.28	---	5.60	---	1.94	1.84
20	1.89	2.03	2.35	2.42	2.55	4.61	2.25	---	3.04	---	1.93	1.87
21	2.11	2.08	2.22	2.34	8.43	5.20	2.20	---	---	---	2.42	1.88
22	2.03	2.14	2.14	5.96	6.08	3.22	---	---	---	---	2.03	1.88
23	1.97	2.18	2.15	9.81	3.19	2.75	---	---	---	---	1.98	1.87
24	1.91	2.24	2.06	4.48	4.86	2.54	---	---	---	---	1.94	1.90
25	10.29	2.27	2.03	4.39	18.75	2.41	---	---	---	---	1.91	1.95
26	14.87	2.14	2.11	3.03	15.92	3.54	---	---	---	---	1.92	1.92
27	11.48	2.08	2.25	2.68	5.99	2.75	---	2.97	---	---	1.92	1.88
28	4.32	2.15	2.32	10.67	7.19	2.53	---	2.73	---	---	1.90	1.89
29	2.99	2.22	2.62	10.53	---	2.40	---	7.92	---	---	1.90	1.88
30	2.58	2.43	3.39	3.97	---	2.51	---	5.89	---	---	1.92	1.87
31	2.39	---	2.94	3.07	---	2.58	---	4.73	---	---	1.92	---
MAX	14.87	6.07	4.94	10.67	18.75	5.72	---	---	---	---	---	1.95
MIN	1.84	2.01	2.03	2.19	2.52	2.30	---	---	---	---	---	1.84

MISSISSIPPI RIVER DELTA
07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", on line between secs. 24 and 44, T. 6 S., R. 1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near left bank on downstream side of bridge on State Highway 946, 0.5 mi downstream from Blackwater Bayou, and 2.6 mi west of Comite.

DRAINAGE AREA.--284 mi².

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

REVISED RECORDS.--WSP 1920: Drainage area. WDR LA-85-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 21.85 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 5.00 ft higher. Prior to Oct. 1, 1978, at datum 2.00 ft higher. Prior to Oct. 1, 1996, at datum 2.00 ft higher.

REMARKS.-- Indefinite stage-discharge relationship. Oct. 27, Feb. 13, 27, Apr. 6, 29, Jun. 18. Records fair. Several measurements of water temperature were made during the year. Satellite telemetry at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	136	204	182	381	1300	580	1580	433	195	157	73
2	109	131	141	123	314	701	198	866	327	142	144	93
3	98	154	109	109	273	642	144	2730	266	124	112	97
4	92	141	96	102	652	502	136	1300	239	116	104	83
5	90	114	93	96	1570	360	8110	647	231	115	102	76
6	112	106	94	94	1280	291	e8760	530	257	114	102	71
7	126	208	91	825	429	248	4580	474	256	126	98	69
8	98	456	88	816	339	221	1570	440	648	127	119	68
9	89	304	86	680	321	203	574	413	3730	123	181	68
10	86	165	84	323	273	191	293	391	1180	259	141	68
11	84	127	82	194	240	181	365	373	866	202	117	67
12	84	111	81	151	480	170	2440	364	470	144	137	67
13	83	104	80	169	e7280	422	848	347	320	151	168	67
14	82	98	80	147	6490	567	337	336	250	514	110	65
15	81	94	80	315	2520	379	223	372	220	352	100	65
16	82	92	99	754	1070	246	180	421	205	161	94	65
17	87	90	243	436	503	174	157	398	3180	148	99	65
18	153	88	322	205	364	153	141	356	e7130	131	88	65
19	149	87	160	150	316	211	131	386	1500	120	92	64
20	99	88	123	127	291	271	122	420	393	117	113	63
21	87	86	108	115	1830	415	117	342	246	116	233	63
22	83	83	100	410	1920	297	112	589	194	120	94	63
23	83	83	97	1280	1570	185	106	751	169	133	87	62
24	81	90	94	497	1100	145	102	1250	177	285	82	63
25	3860	111	95	766	10200	127	100	896	439	219	79	66
26	9290	92	101	282	12000	208	755	539	173	152	77	64
27	e4470	89	107	175	e5830	190	7470	361	481	134	75	64
28	1020	86	100	2920	2760	137	18900	289	222	138	74	64
29	327	84	115	4900	---	120	e10000	611	201	147	73	62
30	202	116	129	2090	---	251	4650	825	276	143	72	61
31	158	---	212	642	---	1010	---	508	---	146	71	---
TOTAL	21663	3814	3694	20075	62596	10518	72201	20105	24679	5214	3395	2051
MEAN	699	127	119	648	2236	339	2407	649	823	168	110	68.4
MAX	9290	456	322	4900	12000	1300	18900	2730	7130	514	233	97
MIN	81	83	80	94	240	120	100	289	169	114	71	61
CFSM	2.46	.45	.42	2.28	7.87	1.19	8.47	2.28	2.90	.59	.39	.24
IN.	2.84	.50	.48	2.63	8.20	1.38	9.46	2.63	3.23	.68	.44	.27

e Estimated

MISSISSIPPI RIVER DELTA
07378000 COMITE RIVER NEAR COMITE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1997, BY WATER YEAR (WY)

MEAN	231	272	561	876	969	813	874	492	270	236	239	209
MAX	1753	1230	3042	3690	3419	2435	3531	3261	2158	1139	1243	1460
(WY)	1965	1949	1983	1990	1966	1980	1983	1953	1989	1989	1975	1977
MIN	32.2	45.9	67.2	79.0	113	109	58.5	53.3	63.3	80.0	53.8	52.0
(WY)	1964	1957	1967	1957	1968	1955	1963	1963	1964	1948	1954	1952

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1945 - 1997

ANNUAL TOTAL	95721		250005									
ANNUAL MEAN	262		685							501		
HIGHEST ANNUAL MEAN										1096		1983
LOWEST ANNUAL MEAN										125		1963
HIGHEST DAILY MEAN	9290	Oct 26	18900	Apr 28	34400	Apr 7	1983					
LOWEST DAILY MEAN	59	Feb 26	61	Sep 30								
ANNUAL SEVEN-DAY MINIMUM	61	Feb 21	63	Sep 18	29	Oct 28	1963					
INSTANTANEOUS PEAK FLOW			20500	Apr 28	37000	Apr 7	1983					
INSTANTANEOUS PEAK STAGE			27.22	Apr 28	30.64	May 19	1953					
INSTANTANEOUS LOW FLOW			61	Sep 29,30								
INSTANTANEOUS LOW STAGE			1.92	Sep *20								
ANNUAL RUNOFF (CFMS)	.92		2.41							1.76		
ANNUAL RUNOFF (INCHES)	12.54		32.75							23.98		
10 PERCENT EXCEEDS	354		1260							1000		
50 PERCENT EXCEEDS	106		157							126		
90 PERCENT EXCEEDS	78		80							60		

*Occurred Sep. 20, 21, 22, 23

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.63	2.60	3.12	2.95	3.52	7.40	4.91	7.52	3.56	2.71	2.45	1.96
2	2.56	2.56	2.64	2.48	3.12	5.57	3.08	5.31	3.00	2.28	2.37	2.18
3	2.46	2.75	2.36	2.36	2.86	5.35	2.66	9.99	2.65	2.13	2.12	2.23
4	2.41	2.64	2.23	2.29	4.69	4.76	2.59	6.66	2.48	2.06	2.09	2.10
5	2.39	2.41	2.20	2.23	7.82	4.06	16.21	4.49	2.43	2.05	2.08	2.02
6	2.59	2.33	2.20	2.20	6.99	3.68	19.01	4.01	2.59	2.03	2.09	1.97
7	2.71	2.99	2.17	5.53	3.77	3.42	13.01	3.76	2.58	2.15	2.05	1.95
8	2.46	4.55	2.14	5.99	3.28	3.25	8.06	3.59	4.42	2.16	2.26	1.94
9	2.39	3.74	2.12	5.46	3.17	3.12	5.01	3.46	11.89	2.12	2.78	1.94
10	2.35	2.83	2.10	3.85	2.86	3.04	3.69	3.35	6.20	3.12	2.48	1.95
11	2.34	2.52	2.08	3.05	2.64	2.96	4.04	3.25	5.31	2.77	2.26	1.95
12	2.33	2.38	2.07	2.72	3.57	2.88	9.67	3.21	3.73	2.30	2.42	1.95
13	2.32	2.31	2.06	2.87	16.47	4.34	5.98	3.12	2.96	2.35	2.71	1.94
14	2.31	2.25	2.06	2.69	15.27	5.03	3.93	3.05	2.55	4.33	2.23	1.93
15	2.31	2.21	2.06	3.52	9.82	4.16	3.26	3.22	2.36	3.68	2.13	1.93
16	2.31	2.18	2.25	5.77	6.39	3.40	2.95	3.48	2.25	2.45	2.07	1.93
17	2.36	2.16	3.29	4.41	4.15	2.91	2.77	3.38	8.87	2.34	2.14	1.93
18	2.97	2.14	3.83	3.13	3.42	2.74	2.64	3.16	16.73	2.19	2.03	1.93
19	2.93	2.14	2.80	2.72	3.13	3.18	2.56	3.32	7.53	2.09	2.08	1.93
20	2.47	2.14	2.49	2.53	2.97	3.52	2.48	3.49	3.98	2.07	2.28	1.93
21	2.36	2.12	2.35	2.42	7.99	4.34	2.43	3.09	3.09	2.06	3.11	1.92
22	2.32	2.09	2.27	3.70	8.69	3.70	2.38	4.19	2.72	2.09	2.12	1.92
23	2.32	2.09	2.24	7.35	7.76	2.99	2.33	4.55	2.51	2.20	2.05	1.92
24	2.30	2.15	2.21	4.71	6.36	2.68	2.28	6.60	2.57	3.30	2.01	1.93
25	11.93	2.38	2.21	5.77	19.11	2.52	2.27	5.43	3.85	2.88	1.98	1.97
26	19.47	2.19	2.28	3.61	22.00	3.13	5.53	4.02	2.54	2.36	1.97	1.95
27	13.25	2.15	2.34	2.91	15.68	3.02	15.04	3.19	4.45	2.22	1.96	1.95
28	6.57	2.12	2.27	9.80	10.51	2.61	25.82	2.79	2.92	2.25	1.95	1.95
29	3.87	2.10	2.41	13.50	---	2.46	21.41	---	2.76	2.31	1.95	1.93
30	3.11	2.38	2.54	8.99	---	3.25	13.03	5.14	3.26	2.29	1.94	1.93
31	2.78	---	3.16	4.77	---	6.33	---	3.92	---	2.32	1.95	---
MAX	19.47	4.55	3.83	13.50	22.00	7.40	25.82	---	16.73	4.33	3.11	2.23
MIN	2.30	2.09	2.06	2.20	2.64	2.46	2.27	---	2.25	2.03	1.94	1.92

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in sec. 2, T. 7 S., R. 2 E., St. Helena Meridian, East Baton Rouge-Livingston Parish line, Hydrologic Unit 08070202, on downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 mi southwest of town of Denham Springs, and 15 mi east of Baton Rouge.

DRAINAGE AREA.--1,280 mi².

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

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is sea level. Sept. 1, 1938, to Aug. 8, 1939, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station from October 1945 to September 1983.

REMARKS.--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. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 12,000 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0330	17,800	27.38	Apr. 7	1050	26,100	29.26
Jan. 30	0420	13,600	26.07	Apr. 29	1515	*59,300	*35.05
Feb. 15	0100	21,100	28.18	Jun. 18	2130	13,200	25.91
Feb. 27	0410	39,900	31.77				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	618	1030	2130	1840	3770	15200	3160	16200	2250	2000	1090	654
2	491	948	1670	1240	1970	8290	1830	6550	1940	1450	1130	682
3	436	961	1210	1010	1570	4550	1750	6960	1580	1260	949	745
4	412	933	979	902	2190	3360	1750	5680	1330	1160	879	685
5	395	829	829	843	5750	2700	5360	2770	1200	1110	856	645
6	495	784	724	780	7570	2210	17800	2130	1180	1080	846	622
7	578	875	689	1890	3700	1880	25200	1880	1180	1080	916	597
8	437	2110	673	2970	2110	1650	19600	1710	1730	1570	1190	569
9	401	2010	661	3160	2010	1480	11000	1600	4670	1770	1120	555
10	380	1310	655	2720	2010	1370	4180	1500	4890	2500	1490	556
11	369	989	639	1950	1640	1280	2380	1430	2620	2100	1370	552
12	365	859	645	1450	1540	1200	5400	1380	2190	1540	1230	551
13	357	789	715	1340	8720	1970	5360	1310	2120	1500	1590	533
14	350	748	640	1230	17600	3120	3000	1260	1590	3010	1250	519
15	345	722	643	1220	20000	3470	2120	1230	1320	3710	981	511
16	340	704	724	2880	14900	3280	1670	1460	1190	2030	871	500
17	360	685	666	2970	7670	2170	1410	1350	2980	1790	841	493
18	565	675	1580	1980	3050	1620	1250	1310	10400	1420	798	485
19	520	668	1360	1450	2030	1570	1140	1250	11100	1190	853	476
20	418	667	1060	1190	1720	1750	1060	1290	6930	1100	1120	470
21	365	660	879	1050	2880	3740	1000	1220	3950	1070	1560	466
22	364	650	791	1060	6510	4390	957	1400	2540	1030	830	463
23	369	630	746	3680	9580	4060	917	1420	1900	1000	765	460
24	348	626	725	3580	10200	2440	896	2790	1610	1940	721	460
25	5760	841	711	3030	13900	1700	909	2560	2340	1650	698	471
26	13300	720	719	2360	31000	1760	2330	1890	2350	1280	681	469
27	16200	675	813	1640	37800	1830	6950	1560	2030	1150	668	461
28	9320	651	802	3880	26900	1510	25800	1290	1870	1020	652	456
29	3560	631	828	10400	---	1270	54900	1550	2060	1040	640	446
30	1610	818	870	13200	---	1170	40700	2530	2500	1250	625	439
31	1210	---	1530	9250	---	2300	---	2670	---	977	619	---
TOTAL	61038	26198	28306	88145	250290	90290	251779	81130	87540	47777	29829	15991
MEAN	1969	873	913	2843	8939	2913	8393	2617	2918	1541	962	533
MAX	16200	2110	2130	13200	37800	15200	54900	16200	11100	3710	1590	745
MIN	340	626	639	780	1540	1170	896	1220	1180	977	619	439
CFSM	1.54	.68	.71	2.22	6.98	2.28	6.56	2.04	2.28	1.20	.75	.42
IN.	1.77	.76	.82	2.56	7.27	2.62	7.32	2.36	2.54	1.39	.87	.46

MISSISSIPPI RIVER DELTA
07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1997, BY WATER YEAR (WY)

MEAN	907	1195	2375	3345	3969	3626	3572	2210	1308	1202	1095	1006
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 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1938 - 1997

ANNUAL TOTAL	494724		1058313									
ANNUAL MEAN	1352		2899							2142		
HIGHEST ANNUAL MEAN										4433		1983
LOWEST ANNUAL MEAN										669		1963
HIGHEST DAILY MEAN	17600	Jan 29	54900	Apr 29	105000	Apr 8	1983					
LOWEST DAILY MEAN	340	Oct 16	340	Oct 16	271	Oct 17	1956					
ANNUAL SEVEN-DAY MINIMUM	355	Oct 11	355	Oct 11	275	Oct 29	1963					
INSTANTANEOUS PEAK FLOW			59300	Apr 29	112000	Apr 8	1983					
INSTANTANEOUS PEAK STAGE			35.05	Apr 29	41.50	Apr 8	1983					
INSTANTANEOUS LOW FLOW			338	Oct 16	271	Oct 17	1956					
INSTANTANEOUS LOW STAGE			10.40	Oct 16								
ANNUAL RUNOFF (CFMS)	1.06		2.27		1.67							
ANNUAL RUNOFF (INCHES)	14.38		30.76		22.74							
10 PERCENT EXCEEDS	2620		5750		4640							
50 PERCENT EXCEEDS	805		1290		870							
90 PERCENT EXCEEDS	446		516		433							

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.45	12.15	14.66	14.03	18.21	26.50	17.23	26.67	14.61	14.07	12.10	11.13
2	11.05	11.93	13.65	12.70	14.83	23.15	14.54	21.22	13.96	12.87	12.21	11.23
3	10.83	11.97	12.63	12.10	13.96	19.59	14.35	21.65	13.15	12.43	11.72	11.43
4	10.73	11.89	12.02	11.80	15.26	17.64	14.35	20.31	12.59	12.19	11.53	11.26
5	10.65	11.58	11.58	11.63	20.88	16.37	19.28	15.67	12.29	12.06	11.47	11.15
6	11.03	11.45	11.27	11.44	22.69	15.36	27.26	14.35	12.25	11.99	11.45	11.08
7	11.33	11.70	11.16	13.93	18.11	14.64	29.08	13.81	12.25	11.99	11.63	11.01
8	10.83	14.61	11.11	16.37	15.15	14.14	27.80	13.45	13.48	13.12	12.39	10.93
9	10.68	14.40	11.08	16.74	14.93	13.77	24.72	13.19	18.85	13.56	12.25	10.90
10	10.58	12.86	11.06	15.88	14.92	13.51	18.83	12.98	19.26	15.12	13.10	10.91
11	10.54	12.05	11.01	14.27	14.12	13.31	15.70	12.81	15.37	14.29	12.87	10.91
12	10.52	11.67	11.03	13.18	13.89	13.13	20.31	12.71	14.49	13.06	12.54	10.92
13	10.48	11.46	11.24	12.93	23.10	14.82	20.63	12.56	14.32	12.98	13.37	10.87
14	10.45	11.34	11.01	12.67	27.26	17.18	16.94	12.43	13.17	16.08	12.61	10.83
15	10.43	11.26	11.02	12.62	27.92	17.84	15.15	12.35	12.57	17.37	11.94	10.82
16	10.41	11.21	11.27	16.18	26.46	17.49	14.18	12.88	12.25	14.15	11.63	10.79
17	10.50	11.15	12.09	16.38	22.54	15.26	13.61	12.65	15.59	13.62	11.55	10.78
18	11.29	11.12	13.46	14.34	17.01	14.08	13.23	12.55	24.29	12.79	11.43	10.76
19	11.15	11.10	12.97	13.17	14.97	13.96	12.96	12.41	24.86	12.27	11.60	10.74
20	10.75	11.09	12.23	12.56	14.29	14.34	12.76	12.50	21.77	12.05	12.30	10.73
21	10.52	11.07	11.73	12.22	16.58	18.34	12.61	12.34	17.81	11.97	13.34	10.72
22	10.51	11.04	11.47	12.22	21.80	19.41	12.48	12.74	15.21	11.86	11.57	10.72
23	10.54	10.98	11.33	17.74	24.04	18.87	12.36	12.78	13.85	11.77	11.38	10.71
24	10.44	10.97	11.27	17.56	24.45	15.82	12.30	15.70	13.23	13.93	11.26	10.72
25	19.63	11.62	11.23	16.49	25.96	14.25	12.34	15.25	14.76	13.32	11.20	10.78
26	25.76	11.26	11.26	15.15	30.15	14.38	15.51	13.84	14.80	12.50	11.16	10.78
27	26.91	11.12	11.54	13.60	31.39	14.54	21.25	13.10	14.13	12.20	11.13	10.76
28	23.74	11.05	11.50	17.70	29.38	13.83	29.01	12.49	13.79	11.87	11.09	10.75
29	17.41	10.98	11.58	24.46	---	13.27	34.32	13.07	14.19	11.89	11.06	10.71
30	13.53	11.54	11.71	25.89	---	13.04	31.89	15.18	15.12	12.44	11.02	10.69
31	12.62	---	13.32	23.77	---	15.47	---	15.48	---	11.78	11.01	---
MAX	26.91	14.61	14.66	25.89	31.39	26.50	34.32	26.67	24.86	17.37	13.37	11.43
MIN	10.41	10.97	11.01	11.44	13.89	13.04	12.30	12.34	12.25	11.77	11.01	10.69

MISSISSIPPI RIVER DELTA

07380101 BAYOU MANCHAC NEAR LITTLE PRAIRIE, LA

LOCATION.--Lat 30°20'25", long 90°55'02", in sec. 39, T. 8 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070202, 4.6 mi northwest of Port Vincent, and 3.0 mi downstream from Clay Cut Bayou, on the right bank 1,000 ft upstream from mouth of Muddy Creek.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--June 1989 to current year (elevations only).

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

REMARKS.--Gage is tide affected. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

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 recorded elevation, 11.37 ft, Feb. 28; minimum recorded elevation, 1.19 ft Jan. 21.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.64	3.37	3.45	2.14	4.02	10.09	2.96	---	2.59	2.48	2.09	1.56
2	2.90	2.98	3.05	1.88	2.34	8.13	2.87	---	1.92	1.96	2.30	1.78
3	2.98	2.76	2.75	1.71	2.00	---	2.99	---	1.68	1.67	2.34	1.73
4	3.04	2.90	2.42	1.68	2.52	---	3.13	---	1.63	1.54	2.20	1.66
5	3.52	2.99	2.55	1.65	2.95	---	4.33	---	1.69	1.59	1.83	2.15
6	4.05	3.03	2.24	1.85	3.60	---	5.37	---	2.13	2.22	1.56	2.84
7	4.42	3.10	2.05	2.75	3.51	---	6.93	---	2.34	2.23	1.66	2.92
8	4.29	2.91	1.86	3.33	2.38	2.93	8.40	---	2.43	2.33	1.88	2.54
9	3.77	2.43	1.80	3.15	1.96	2.85	7.85	---	2.92	2.29	1.88	2.13
10	3.14	2.12	1.79	2.47	1.85	2.40	6.09	2.21	3.61	2.15	1.77	1.90
11	2.75	1.99	1.83	1.97	1.60	2.04	4.39	2.40	3.44	2.07	1.77	1.76
12	2.94	2.38	1.86	1.89	2.06	2.00	4.82	2.42	3.06	1.89	1.69	1.96
13	3.04	2.45	1.93	2.09	4.68	3.07	5.00	2.11	2.68	1.79	1.74	2.06
14	3.06	2.47	2.10	2.05	5.26	3.16	4.29	1.85	2.08	2.32	1.60	2.03
15	2.95	2.63	2.34	2.08	6.66	3.01	3.50	1.63	1.64	2.67	1.44	1.95
16	2.94	3.59	2.55	2.36	7.33	3.01	2.94	1.59	1.59	2.36	1.41	1.90
17	3.02	4.07	2.17	2.08	6.44	2.76	2.41	1.74	3.82	2.24	1.58	1.84
18	2.92	4.06	2.19	1.62	4.10	2.56	1.95	1.81	7.15	2.38	1.60	1.86
19	2.68	3.63	1.94	1.28	2.47	2.60	1.65	1.87	7.10	2.61	1.52	1.97
20	2.50	3.21	1.86	1.22	2.41	2.31	1.43	1.84	6.42	2.03	1.45	2.19
21	2.53	3.05	2.01	1.28	3.18	2.48	1.46	1.66	4.81	1.55	2.36	2.03
22	2.69	2.86	2.44	1.73	3.39	2.67	1.49	1.85	3.45	1.51	1.77	1.77
23	2.40	2.99	2.50	2.08	3.80	2.74	1.40	2.10	2.94	1.49	1.98	1.75
24	2.31	3.19	2.49	3.48	5.42	2.76	1.37	2.49	2.67	1.52	1.94	1.89
25	5.17	3.12	2.43	2.75	6.75	2.85	1.97	2.98	2.82	1.60	1.86	1.66
26	8.14	2.53	2.68	2.67	7.60	2.79	3.50	2.48	3.10	1.38	2.05	1.37
27	8.22	2.22	2.97	2.68	10.39	2.76	5.43	2.18	3.20	1.42	1.89	1.51
28	8.15	2.29	2.83	3.58	11.23	2.69	6.30	2.00	3.00	1.63	1.59	1.68
29	6.67	2.59	3.00	4.06	---	2.47	8.35	2.16	2.65	1.72	1.53	1.51
30	4.61	3.14	2.47	4.66	---	2.34	---	2.77	2.73	1.80	1.54	1.24
31	3.81	---	2.29	5.02	---	2.42	---	3.20	---	1.97	1.52	---
MAX	8.22	4.07	3.45	5.02	11.23	---	---	---	7.15	2.67	2.36	2.92
MIN	2.31	1.99	1.79	1.22	1.60	---	---	---	1.59	1.38	1.41	1.24

MISSISSIPPI RIVER DELTA
07380120 AMITE RIVER AT PORT VINCENT, LA

LOCATION.--Lat 30°19'57", long 90°51'07", in sec. 19, T. 8 S., R. 4 E. Livingston Parish, Hydrologic Unit 08070202, on downstream side of bridge on State Highway 42, 0.1 mi east of intersection of State Highway 42 and 431, 0.2 mi west of intersection of State Highway 42 and 16. 0.5 mi downstream from mouth of Grays Creek.

DRAINAGE AREA.--1,596 mi².

PERIOD OF RECORD.--Oct. 25, 1983 to Sept. 30, 1984 (elevations only) October 1984 to current year. Prior to Oct. 24, 1983, elevations only in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is sea level . Prior to Oct. 25, 1983, operated by Corps of Engineers, same site and location.

REMARKS.--No estimated daily discharges. Records poor. No velocity record: Nov. 26-Dec. 23, Jan. 26-29, Feb. 11-12, Mar. 9, 12-16, Apr. 3-6, 12-16, 23-24, May 10-14, 17-18, May 20-Jun. 24, Jul. 3-6, 16-17, 21-28, Sep. 15-17, 20-23. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 14.65 ft, Apr. 9, 1983; minimum elevation, -1.04 ft, Jan. 19, 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 69,500 ft³/s, Jan. 28, 1990; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge, 45,300 ft³/s, Apr. 30, but could have been greater during periods of missing record. elevation, 9.43 ft; minimum daily discharge, 78 ft³/s, Sept. 26; minimum elevation, 0.35 ft, Jan. 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	2.11	2.53	1.52	2.50	7.26	2.56	8.75	2.00	1.61	1.84	1.38
2	2.64	1.64	2.23	1.36	1.53	5.81	2.60	6.67	1.47	1.10	2.08	1.62
3	2.72	1.63	1.86	1.25	1.46	4.30	2.77	4.75	1.39	.86	2.15	1.46
4	2.78	1.90	1.59	1.33	1.88	2.97	2.92	3.84	1.39	.88	1.98	1.54
5	3.27	2.09	1.73	1.33	2.22	2.32	3.56	2.89	1.50	1.12	1.58	1.97
6	3.79	2.14	1.33	1.65	2.53	1.87	4.12	2.27	1.97	1.54	1.41	2.61
7	4.16	2.19	1.22	2.28	2.50	2.11	4.66	1.83	2.10	1.73	1.55	2.69
8	4.04	1.74	.89	2.78	1.72	2.17	5.51	1.75	2.07	1.68	1.64	2.31
9	3.51	1.07	.79	2.53	1.37	1.97	5.44	1.68	2.46	1.52	1.57	1.91
10	2.88	.86	.84	1.81	1.27	1.74	4.54	1.74	2.99	1.38	1.58	1.68
11	2.32	1.02	.97	1.33	1.03	1.42	3.77	2.02	3.06	1.33	1.49	1.58
12	2.29	1.63	---	1.46	1.60	1.55	4.01	2.02	2.77	1.21	1.54	1.78
13	2.39	1.69	---	1.70	3.21	2.39	4.07	1.64	2.39	1.18	1.57	1.86
14	2.42	1.67	1.47	1.69	3.69	2.55	3.60	1.39	1.75	1.69	1.39	1.83
15	2.31	1.95	1.66	1.75	4.25	2.36	3.02	1.12	1.37	2.06	1.21	1.75
16	2.30	2.92	1.66	1.86	4.59	2.41	2.53	1.17	1.37	1.90	1.30	1.71
17	2.37	3.41	1.15	1.43	4.10	2.30	1.91	1.50	2.11	1.86	1.47	1.65
18	2.26	3.37	1.33	1.03	2.67	2.21	1.30	1.59	4.08	2.13	1.45	1.71
19	2.02	2.91	.74	.57	1.75	2.08	1.04	1.64	4.56	2.36	1.35	1.82
20	1.86	2.49	.52	.58	1.91	1.74	.80	1.54	4.23	1.50	1.18	1.98
21	1.88	2.35	1.11	.86	2.37	1.90	1.05	1.42	3.06	1.02	1.39	1.81
22	2.04	2.14	1.56	1.26	2.47	1.94	1.05	1.56	2.12	.91	1.32	1.57
23	1.67	2.33	1.58	1.61	2.62	2.01	.89	1.64	1.74	1.16	1.78	1.58
24	1.74	2.52	1.54	2.37	3.37	2.29	1.15	1.84	1.60	---	1.73	1.69
25	2.89	2.34	1.45	2.07	4.51	2.53	1.94	2.19	1.92	---	1.67	1.29
26	4.72	1.63	1.69	2.15	5.23	2.43	2.90	1.90	2.02	---	1.86	1.04
27	5.39	1.44	1.85	2.32	7.20	2.43	3.93	1.66	1.82	---	1.66	1.34
28	5.49	1.59	1.67	---	8.09	2.41	4.50	1.49	1.78	---	1.35	1.51
29	4.53	1.94	1.94	2.90	---	2.20	6.15	1.88	1.69	1.46	1.33	1.14
30	3.12	2.42	1.87	3.03	---	2.05	9.12	2.42	1.79	1.56	1.33	.71
31	2.47	---	1.70	3.07	---	2.16	---	2.53	---	1.65	1.31	---
MAX	5.49	3.41	---	---	8.09	7.26	9.12	8.75	4.56	---	2.15	2.69
MIN	1.67	.86	---	---	1.03	1.42	.80	1.12	1.37	---	1.18	.71

MISSISSIPPI RIVER DELTA
07380200 AMITE RIVER AT FRENCH SETTLEMENT, LA

LOCATION.--Lat 30°16'31", long 90°46'45", in sec. 11, T. 9 S., R. 4 E., Livingston Parish, Hydrologic Unit 08070202, at bridge on State Highway 16, 2.0 mi south of French Settlement High School.

DRAINAGE AREA.--About 1,750 mi².

PERIOD OF RECORD.--Annual maximums, water years 1995-96; current year. Previous stage data was collected at a nearby site (Station number 8522509) by the U.S. Army Corps of Engineers, New Orleans District, from 1949 to 1992.

GAGE.--Water-stage recorder. Datum of gage is sea level (referenced to 1988 NAVD).

REMARKS.--Stage affected by wind and tide. Gage was destroyed during flood on May 6 and rebuilt on August 12. Recording rain gage, satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 4.52 ft., Apr 14, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.99 ft., May 1; minimum recorded, -0.23 ft, Jan. 19, but could be lower during period of missing year.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.93	1.59	1.96	.93	1.18	3.67	1.92	3.93	---	---	---	.90
2	2.19	1.11	1.67	.80	.83	3.38	2.03	3.64	---	---	---	1.14
3	2.26	1.10	1.33	.72	.88	2.81	2.23	2.97	---	---	---	.98
4	2.32	1.39	1.07	.80	1.22	2.07	2.39	2.41	---	---	---	1.05
5	2.79	1.60	1.24	.80	1.44	1.61	2.85	1.96	---	---	---	1.48
6	3.30	1.66	.83	1.08	1.56	1.20	3.04	---	---	---	---	2.13
7	3.70	1.70	.74	1.64	1.65	1.51	3.02	---	---	---	---	2.20
8	3.60	1.17	.39	2.10	1.10	1.59	3.11	---	---	---	---	1.83
9	3.06	.41	.30	1.85	.77	1.39	3.21	---	---	---	---	1.43
10	2.43	.30	.33	1.09	.66	1.17	3.05	---	---	---	---	1.20
11	1.86	.53	.46	.64	.44	.86	3.05	---	---	---	---	1.10
12	1.83	1.12	.66	.85	1.01	.98	3.16	---	---	---	1.02	1.30
13	1.93	1.19	.81	1.12	2.15	1.71	3.06	---	---	---	1.08	1.39
14	1.95	1.18	---	1.13	2.35	1.82	2.76	---	---	---	.89	1.35
15	1.84	1.44	---	1.18	2.35	1.59	2.37	---	---	---	.72	1.28
16	1.83	2.38	1.17	1.22	2.33	1.71	1.93	---	---	---	.81	1.23
17	1.91	2.89	.64	.67	2.07	1.69	1.32	---	---	---	.99	1.17
18	1.78	2.90	.80	.38	1.42	1.65	.71	---	---	---	.96	1.22
19	1.55	2.44	.18	-.01	1.08	1.49	.46	---	---	---	.87	1.34
20	1.38	2.01	-.04	.03	1.31	1.15	.25	---	---	---	.69	1.49
21	1.42	1.87	.55	.34	1.68	1.20	.51	---	---	---	.72	1.33
22	1.58	1.65	1.03	.72	1.51	1.14	.52	---	---	---	.81	1.08
23	1.20	1.83	1.05	.95	1.56	1.24	.35	---	---	---	1.29	1.11
24	1.27	2.01	1.02	1.42	2.00	1.66	.61	---	---	---	1.24	1.21
25	1.94	1.86	.92	1.33	2.58	1.98	1.32	---	---	---	1.18	.81
26	2.93	1.15	1.15	1.49	2.94	1.87	2.22	---	---	---	1.38	.56
27	3.25	.94	1.32	1.77	3.28	1.85	2.90	---	---	---	1.18	.86
28	3.30	1.10	1.13	1.81	3.62	1.87	3.03	---	---	---	.88	1.04
29	3.03	1.43	1.31	1.82	---	1.67	3.09	---	---	---	.85	.66
30	2.39	1.90	1.29	1.69	---	1.51	3.59	---	---	---	.85	.23
31	1.91	---	1.12	1.48	---	1.58	---	---	---	---	.83	---
MEAN	2.25	1.53	---	1.09	1.68	1.70	2.14	---	---	---	---	1.20
MAX	3.70	2.90	---	2.10	3.62	3.67	3.59	---	---	---	---	2.20
MIN	1.20	.30	---	-.01	.44	.86	.25	---	---	---	---	.23

MISSISSIPPI RIVER DELTA
073802245 BLACK BAYOU EAST OF GONZALES, LA

LOCATION.--Lat 30°14'25", long 90°52'38", in sec. 26, T. 9 S., R. 3E. Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on Churchpoint Rd, approximately 2.2 mi north of Hwy. 61 in Gonzales.

DRAINAGE AREA.--Less than 18.30 sq. mi.

PERIOD OF RECORD.--May 1997 to September 1997 (elevations only).

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

REMARKS.--Stage affected by wind and tide. Recording rain gage, satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.59 ft, June 18, 1997; minimum elevation, 0.28 ft, Sept. 30, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.59 ft, June 18; minimum elevation, 0.28 ft, Sept. 30.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR APRIL 1997 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									1.81	1.22	1.63	1.15
2								2.66	1.17	.73	1.83	1.39
3								2.63	1.14	.51	1.91	1.24
4								2.41	1.18	.58	1.78	1.30
5								2.14	1.29	.82	1.37	1.70
6								1.92	1.84	1.25	1.17	2.21
7								1.52	2.04	1.54	1.32	2.39
8								1.48	2.63	1.43	1.40	2.10
9								1.42	4.80	1.12	1.32	1.72
10								1.51	2.79	.73	1.34	1.47
11								1.78	2.53	.78	1.23	1.36
12								1.80	2.53	.86	1.30	1.56
13								1.40	2.23	.84	1.32	1.64
14								1.13	1.61	1.26	1.13	1.61
15								.87	1.16	1.43	.96	1.53
16								.92	1.14	1.53	1.04	1.49
17								1.27	2.84	1.50	1.28	1.43
18								1.36	6.20	1.54	1.25	1.48
19								1.42	5.68	1.73	1.15	1.58
20								1.31	3.48	1.32	.94	1.74
21								1.58	2.07	.77	1.18	1.60
22								1.74	1.59	.76	1.04	1.35
23								1.54	1.40	1.06	1.53	1.34
24								1.84	1.29	1.09	1.51	1.46
25								2.14	1.62	1.06	1.44	1.11
26								1.63	1.55	.81	1.63	.80
27								1.41	1.73	.97	1.45	1.13
28								1.27	1.96	1.29	1.13	1.29
29								1.66	1.91	1.35	1.10	.93
30								2.12	1.92	1.68	1.10	.49
31								2.55	---	1.73	1.11	---
MEAN								---	2.24	1.14	1.32	1.45
MAX								---	6.20	1.73	1.91	2.39
MIN								---	1.14	.51	.94	.49

MISSISSIPPI RIVER DELTA
073802273 BAYOU FRANCOIS AT HIGHWAY 61 NEAR GONZALES, LA

LOCATION.--Lat 30°13'38", long 90°53'58", in sec. 27, T. 9 S., R. 33 E. Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on Highway 61, 1.7 mi from the intersection of Highway 61 and Highway 44 in Gonzales.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1997 to September 1997 (elevations only).

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

REMARKS.--Stage affected by wind and tide. Recording rain gage, satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.15 ft., June 18, 1997; minimum, -0.50 ft, July 3, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.15 ft., June 18.; minimum, -0.50 ft, July 3.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR APRIL 1997 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								1.85	1.16	.44	1.00	.43
2								1.92	.43	-.04	1.18	.68
3								1.86	.40	-.25	1.25	.53
4								1.66	.43	-.18	1.10	.60
5								1.39	.55	.08	.67	1.00
6								1.15	1.02	.52	.49	1.51
7								.75	1.26	1.05	.64	1.68
8								.66	3.15	.46	.65	1.00
10								.76	1.66	.00	.65	.75
11								1.04	1.82	.04	.55	.64
12								1.06	1.81	.12	.62	.84
13								.65	1.49	.11	.64	.92
14								.38	.86	.57	.43	.90
15								.12	.42	.71	.25	.82
16								.22	.39	.80	.35	.77
17								.54	2.11	.79	.56	.70
18								.62	4.65	.82	.53	.76
19								.68	3.83	1.02	.43	.87
20								.57	1.92	.58	.24	1.03
21								.73	1.32	.02	.35	.88
22								.89	.84	-.10	.35	.63
23								.84	.65	.09	.84	.62
24								1.12	.55	.36	.81	.74
25								1.52	.88	.32	.74	.37
26								.93	.80	.07	.92	.11
27								.67	.55	.24	.73	.40
28								.53	.53	.57	.41	.56
29							1.64	.93	.58	.57	.39	.21
30							1.74	1.48	.69	.88	.39	---
31							---	2.17	---	.85	.39	---
MEAN								.98	1.30	.40	.62	---
MAX								2.17	4.65	1.05	1.25	---
MIN								.12	.39	-.25	.24	---

MISSISSIPPI RIVER DELTA

073802282 NEW RIVER CANAL NEAR SORRENTO, LA

LOCATION.--Lat 30°11'21", long 90°47'10", in sec. 10, T. 10 S., R. 4 E. Ascension Parish, Hydrologic Unit 08070204, located on the inside and outside of pumping station, on gravel road to the Sorrento Gas & Oil Field, 3.6 miles south of Sorrento and 3.4 miles from Hwy. 61.

DRAINAGE AREA.--93.86 sq. mi.

PERIOD OF RECORD.--April 1997 to September 1997 (elevations only).

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

REMARKS.--Stage affected by wind and tide. Recording rain gage, satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum inside elevation, 2.04 ft, May 1, 1997; minimum inside, -0.39 ft, June 18, 1997; maximum outside elevation, 2.96 ft, Apr. 28, 1997; minimum outside, -0.37 ft, July 3, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum inside elevation, 2.04 ft, May 1; minimum inside, -0.39 ft, June 18; maximum outside elevation, 2.96 ft, Apr. 28; minimum outside, -0.37 ft, June 18.

INSIDE ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR APRIL 1997 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								1.97	1.11	.53	.99	.51
2								2.02	.51	.07	1.21	.76
3								1.97	.49	-.15	1.29	.61
4								1.74	.52	-.08	1.15	.68
5								1.45	.62	.16	.73	1.06
6								1.23	1.08	.59	.55	1.58
7								.84	1.26	.86	.70	1.76
8								.81	1.28	.75	.76	1.47
9								.75	1.30	.45	.69	1.09
10								.83	1.34	.08	.71	.83
11								1.10	1.86	.12	.60	.73
12								1.12	1.87	.21	.67	.92
13								.72	1.56	.18	.70	1.00
14								.46	.95	.58	.50	.98
15								.21	.50	.76	.32	.90
16								.27	.48	.85	.41	.86
17								.61	.61	.82	.60	.79
18								.70	.28	.88	.59	.85
19								.75	.31	1.07	.50	.95
20								.61	.24	.66	.30	1.10
21								.64	1.33	.11	.22	.97
22								.85	.91	-.02	.41	.71
23								.84	.72	.17	.90	.70
24								.94	.62	.42	.88	.83
25								1.26	.94	.39	.81	.47
26								.97	.85	.14	1.00	.18
27								.75	.62	.29	.82	.50
28								.69	.61	.58	.61	.66
29								1.28	.98	.63	.58	.47
30								1.84	1.44	.75	.73	-.14
31								1.60	---	.82	.46	---
MEAN								1.00	.87	.44	.67	.82
MAX								2.02	1.87	1.07	1.29	1.76
MIN								.21	.24	-.15	.22	-.14

MISSISSIPPI RIVER DELTA

073802282 NEW RIVER CANAL NEAR SORRENTO, LA--Continued

OUTSIDE ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR APRIL 1997 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								2.08	1.10	.51	.99	.52
2								2.05	.51	.06	1.21	.77
3								2.02	.48	-.16	1.29	.62
4								1.79	.51	-.09	1.15	.68
5								1.50	.62	.15	.73	1.07
6								1.27	1.07	.58	.55	1.59
7								.87	1.26	.84	.69	1.77
8								.82	1.28	.74	.75	1.48
9								.77	1.90	.44	.69	1.09
10								.85	1.86	.06	.70	.84
11								1.12	1.96	.11	.60	.73
12								1.15	1.86	.19	.67	.93
13								.74	1.55	.17	.69	1.01
14								.48	.94	.57	.49	.99
15								.21	.49	.75	.32	.91
16								.61	1.13	.90	.60	.80
18								.69	2.65	1.22	.58	.85
19								.74	2.60	1.46	.49	.95
20								.60	2.08	.64	.27	1.11
21								.63	1.26	.10	.22	.97
22								.84	.90	-.03	.42	.72
23								.82	.71	.16	.91	.71
24								.92	.61	.41	.89	.83
25								1.25	.93	.38	.82	.48
26								.96	.84	.13	1.01	.18
27								.74	.60	.28	.83	.50
28								2.84	.60	.57	.51	.66
29								2.39	.98	.62	.48	.30
30								2.13	1.44	.74	.48	-.14
31								1.59	---	.81	.47	---
MEAN								1.01	1.14	.46	.67	.83
MAX								2.08	2.65	1.46	1.29	1.77
MIN								.21	.47	-.16	.22	-.14

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA

LOCATION.-- Lat. 30°09'59", long 89°43'03", sec. 37, T. 10 S, R. 15 E, St. Tammany Parish, Hydrologic Unit 08090201, on the east side of U.S. Coast Guard Navigational Aid No. 4 structure, located on the north side of Bayou Rigolets and 0.8 miles east of U.S. Hwy 90 bridge over Bayou Rigolets and 9.0 mi. southeast of Slidell.

DRAINAGE AREA.-- Indeterminate.

WATER-STAGE RECORDS

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

GAGE.-- Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.-- Stage affected by wind and tide. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.-- Maximum elevation, 5.35 ft, Oct. 6, 1996; minimum recorded, -4.91 ft, Aug. 26, 1992.

EXTREMES FOR CURRENT YEAR.-- Maximum elevation, 5.35 ft, Oct. 6; minimum, -1.71 ft, Feb. 13.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.96	.93	2.13	1.48	.54	1.06	1.22	-.11	.67	.55	.03	.32
2	3.33	2.25	2.80	1.80	.36	1.18	1.68	.18	.98	.51	-.06	.20
3	3.25	2.26	2.79	2.48	.78	1.77	1.10	-.60	.31	.72	-.17	.25
4	3.51	2.76	3.06	2.33	.89	1.65	1.23	.54	.78	.85	-.13	.34
5	4.56	2.33	3.53	1.80	1.19	1.52	1.21	.59	.79	.86	-.22	.36
6	5.35	4.42	4.95	1.37	1.12	1.26	.96	.10	.50	1.23	.25	.67
7	5.30	3.80	4.64	1.41	1.01	1.26	.96	-.05	.41	2.23	1.10	1.63
8	4.25	2.67	3.40	1.21	.12	.60	.86	-.41	.27	2.29	1.06	1.70
9	3.26	2.45	2.94	1.07	.25	.72	.97	-.60	.11	1.95	.39	1.00
10	3.17	1.33	2.15	1.11	-.60	.28	.65	-.46	.14	.88	-.68	.10
11	3.07	2.10	2.56	1.61	.09	.93	.73	-.29	.30	1.64	.21	1.03
12	3.32	1.95	2.62	2.10	.43	1.33	.91	-.16	.44	2.11	1.08	1.61
13	3.15	1.97	2.58	2.19	.04	1.18	.99	-.05	.52	2.31	1.39	1.85
14	3.09	1.69	2.38	1.81	-.18	.84	1.35	.17	.73	2.28	.30	1.49
15	2.98	1.47	2.18	1.64	.55	1.06	1.40	.34	.84	1.63	.80	1.28
16	2.66	1.55	2.10	2.75	-1.49	1.00	1.26	.19	.87	1.56	.39	.97
17	2.47	1.56	2.03	3.04	1.90	2.48	1.22	.19	.62	1.68	1.03	1.40
18	2.75	1.16	1.93	1.94	.97	1.49	2.05	1.22	1.57	1.70	.24	.97
19	3.09	1.06	2.02	1.32	.65	.97	2.05	.09	1.21	1.03	-.60	.15
20	2.18	.97	1.55	1.11	.78	.93	1.87	.40	1.17	1.06	-.88	.08
21	2.17	1.28	1.65	1.14	.43	.73	1.95	.27	1.02	1.19	-.36	.41
22	2.20	1.53	1.87	1.34	.24	.61	1.29	.01	.73	.76	-.28	.28
23	2.33	1.40	1.84	1.65	.23	.90	1.32	-.08	.62	.80	-.29	.29
24	2.23	1.31	1.71	1.16	.20	.73	1.72	-.02	.67	.86	-.08	.44
25	2.02	1.50	1.83	1.72	.27	.86	2.15	.29	1.38	1.41	-.10	.48
26	2.28	1.52	1.95	1.48	.00	.83	1.96	.22	1.07	1.82	.60	1.14
27	2.41	1.43	1.95	1.83	.12	1.09	1.08	.18	.57	1.31	.49	.89
28	2.43	1.07	1.70	1.77	-.42	.79	.92	-.06	.46	1.40	.42	1.01
29	1.91	.91	1.44	.73	.02	.45	.84	.13	.53	1.59	.92	1.26
30	1.78	.59	1.19	1.14	.31	.71	.83	.15	.46	1.12	.15	.57
31	1.87	.66	1.21	---	---	---	.70	.07	.44	.41	-.22	.12
MONTH	5.35	.59	2.34	3.04	-1.49	1.04	2.15	-.60	.68	2.31	-.88	.78

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.53	-.52	.00	1.49	.91	1.23	1.75	.39	1.10	1.01	.12	.59
2	.72	-.34	.16	1.62	.73	1.15	1.84	.61	1.24	1.34	.63	1.02
3	.94	-.14	.38	1.22	.24	.77	2.03	.88	1.44	1.17	.42	.77
4	1.27	.03	.63	1.25	.11	.72	2.49	1.53	1.91	1.19	.36	.75
5	1.28	.06	.63	1.18	.22	.74	2.81	1.96	2.35	1.25	.36	.89
6	1.56	.40	1.06	1.32	.14	.63	2.23	1.36	1.79	1.07	.20	.70
7	1.55	.36	.96	1.68	.79	1.28	1.74	1.02	1.47	1.00	.15	.66
8	1.55	.02	.88	1.55	.44	.93	2.28	1.02	1.75	1.15	.08	.70
9	1.53	.30	.96	1.32	.51	.85	2.19	1.21	1.69	1.03	.17	.65
10	1.39	-.01	.82	1.11	.38	.80	2.25	.92	1.66	1.48	-.01	.81
11	1.44	.22	.80	.88	.29	.64	2.94	1.33	2.05	1.46	.37	.97
12	1.02	-.99	.49	1.04	.27	.71	2.51	1.38	1.90	1.32	.46	.95
13	2.33	-1.71	1.34	1.80	.82	1.36	1.84	.99	1.42	1.00	.07	.61
14	1.87	1.11	1.49	1.36	.68	.98	1.69	.91	1.30	.72	.09	.45
15	1.79	.60	1.20	1.32	.46	.99	1.23	.63	.95	.45	-.14	.13
16	1.71	-.06	.83	1.44	.98	1.21	.97	.25	.66	.73	-.08	.37
17	1.14	-.38	.46	1.45	.62	1.02	.63	-.07	.20	.74	.33	.56
18	1.14	-.25	.48	1.44	.69	1.13	.65	-.30	.18	.83	.34	.61
19	.91	-.11	.42	1.27	.55	.94	.16	-.47	-.11	1.31	.26	.71
20	1.28	.35	.75	1.02	.35	.72	.43	-.16	.10	.92	-.06	.55
21	1.79	.76	1.08	.90	.56	.71	.69	-.14	.37	.92	-.11	.41
22	1.24	.15	.66	.90	.16	.46	1.03	-.31	.44	1.06	-.21	.53
23	---	---	---	1.24	.40	.81	.74	-.31	.23	1.19	.01	.59
24	---	---	---	1.55	.80	1.15	.93	-.33	.43	1.60	.01	.75
25	---	---	---	1.43	.92	1.29	1.52	-.07	.85	1.23	.09	.81
26	1.48	1.16	1.36	1.55	.74	1.16	2.98	.75	1.94	1.18	.23	.77
27	1.28	.85	1.10	1.67	.70	1.23	2.59	1.87	2.13	1.01	.09	.59
28	1.35	.74	1.04	1.36	.78	1.09	1.94	.59	1.15	1.27	-.09	.59
29	---	---	---	1.34	.50	.82	1.00	-.03	.55	1.43	.53	1.10
30	---	---	---	1.35	.24	.71	1.06	.13	.67	1.79	1.09	1.40
31	---	---	---	1.73	.15	.98	---	---	---	1.42	.47	.98
MONTH	---	---	---	1.80	.11	.94	2.98	-.47	1.13	1.79	-.21	.71
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.09	.14	.70	.97	-.18	.52	1.55	.10	1.09	1.10	.28	.79
2	1.01	-.05	.56	.71	-.34	.29	1.70	.78	1.35	1.24	.50	.97
3	1.10	-.05	.65	.66	-.37	.19	1.74	.82	1.39	1.08	.53	.75
4	1.13	-.08	.60	.81	-.38	.31	1.34	.50	1.00	1.14	.46	.92
5	1.17	.04	.75	1.89	.35	1.02	1.04	.34	.70	2.07	.94	1.43
6	1.65	.61	1.25	1.99	.83	1.44	1.14	.20	.75	2.35	1.80	2.06
7	1.49	.66	1.11	1.91	1.07	1.48	1.09	.39	.79	2.00	1.36	1.67
8	1.56	.49	1.07	1.62	.50	1.13	1.16	.41	.82	1.68	.99	1.33
9	1.95	.85	1.42	.71	-.09	.35	1.06	.46	.78	1.48	.48	1.07
10	2.56	1.66	2.17	.41	-.20	.21	1.14	.30	.75	1.41	.39	.95
11	2.24	1.65	1.90	.47	.05	.30	.96	.39	.68	1.37	.41	.93
12	1.78	1.32	1.61	.61	.05	.39	1.10	.36	.78	1.50	.49	1.09
13	1.32	.91	1.17	.78	.17	.50	1.14	.27	.78	1.52	.70	1.18
14	.97	.57	.79	1.02	.21	.61	1.05	.13	.67	1.45	.64	1.14
15	1.03	.47	.76	1.17	.27	.81	.96	.04	.59	1.43	.64	1.09
16	1.07	.37	.74	1.26	.18	.83	1.14	.04	.73	1.30	.78	1.06
17	1.03	.08	.60	1.25	.17	.75	1.20	.24	.79	1.23	.75	1.01
18	1.32	-.12	.61	2.90	.58	1.93	1.19	.28	.77	1.22	.68	1.02
19	1.17	-.12	.57	1.70	-.14	.78	1.01	.26	.69	1.29	.63	1.04
20	1.13	.03	.63	1.10	-.21	.40	.71	-.22	.40	1.49	.67	1.12
21	1.23	.05	.71	.83	-.33	.33	.89	-.17	.46	1.36	.44	.93
22	1.18	.10	.69	.90	-.12	.40	.85	.39	.69	1.18	.36	.80
23	1.04	.08	.57	1.00	-.07	.53	1.16	.63	.89	1.30	.66	1.01
24	1.31	.07	.78	.82	.18	.62	1.17	.49	.87	1.39	.53	1.04
25	1.33	.66	.94	.65	.38	.51	1.24	.59	.99	1.16	.22	.70
26	1.02	.53	.76	.57	.26	.43	1.40	.58	1.08	1.08	.27	.73
27	.84	.49	.65	.97	.17	.61	1.25	.24	.85	1.16	.39	.88
28	.81	.38	.60	1.05	.17	.68	1.07	.19	.71	1.22	.54	.96
29	1.08	.25	.70	1.08	-.03	.72	1.10	.21	.73	1.00	.12	.40
30	1.20	.10	.75	1.27	.01	.73	1.02	.25	.68	.38	-.04	.17
31	---	---	---	1.27	.10	.81	1.05	.28	.72	---	---	---
MONTH	2.56	-.12	.89	2.90	-.38	.66	1.74	-.22	.81	2.35	-.04	1.01

MISSISSIPPI RIVER DELTA
0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURE: July 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 37,700 microsiemens, July 30, 1995; minimum daily, 202 microsiemens, June 24, 1997.

WATER TEMPERATURE: Maximum daily, 33.6°C, Aug. 19, 1995; minimum daily, 5.0° C, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,200 microsiemens, Oct. 6; minimum daily, 202 microsiemens, June 24.

WATER TEMPERATURE: Maximum daily, 32.4°C, July 26; minimum daily, 6.1°C, Jan. 18, 19.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20200	16000	18600	14600	13100	14100	20300	14900	18300	13600	12600	13000
2	24600	19600	22100	14500	14000	14300	15500	14300	15100	13300	11800	12700
3	23400	20300	21600	14000	11800	12700	14300	13400	13800	12900	11000	12200
4	24400	20100	22200	12600	11400	12100	15100	12300	13500	12700	11000	12000
5	31200	24400	29800	13500	11600	12800	15700	12500	14100	14400	11200	12600
6	33200	29300	31600	13300	12300	13100	14000	12200	13400	16800	12900	14700
7	31300	27700	29400	14500	12500	13100	14200	12600	13400	20500	15700	17600
8	28100	13900	16900	13500	12800	13200	14100	12800	13600	19600	15400	17300
9	14600	12300	13200	13100	12100	12900	14400	12000	13400	17400	11800	14500
10	14500	12800	13700	13000	11900	12500	13800	11500	12600	11800	11100	11400
11	20100	13500	16800	12200	11100	11700	13600	11700	12800	11200	9210	10500
12	17400	15800	16300	12800	11600	12400	15700	12300	13800	9920	8280	9230
13	19400	16700	18300	12800	11600	12500	14700	12900	13900	10100	8650	9350
14	19200	15400	17200	12800	11800	12500	17100	13300	15300	9700	8360	9240
15	18200	15100	16400	20000	12200	14300	17300	14400	15800	9410	8190	8850
16	18200	15300	17100	29300	20000	26400	19300	15100	16700	10400	8360	9400
17	19000	16500	17700	30900	26400	28300	15100	13000	14000	10400	9840	10200
18	17700	15100	16700	26400	16400	20200	14900	12900	13800	10400	9460	10100
19	15600	14700	15200	16400	15500	15900	13200	12400	12700	10600	7880	9940
20	15000	14200	14600	17000	15000	15600	12500	11000	12000	9610	6710	8540
21	15200	13900	14600	17900	14200	15400	13000	11000	11800	8560	6200	7630
22	15900	14300	15100	19600	13200	14800	15500	12900	14000	8880	6970	8210
23	15000	13800	14200	19700	17200	18100	16100	13900	14600	8630	7180	8170
24	14300	13700	14000	21200	18400	19400	17500	13900	15000	9250	7700	8540
25	17400	14100	15900	22700	13300	18900	14900	13200	14000	8590	7620	8300
26	19300	17200	17900	13300	12700	13000	15200	13000	14300	11000	6460	8050
27	19300	16100	17500	13100	12000	12700	15800	13700	14400	12500	8550	10300
28	17100	14600	16000	14300	11900	13100	14000	13400	13700	9600	8470	8820
29	15400	14600	15000	17700	12500	15500	13700	12700	13400	10100	9600	9960
30	15200	14100	14600	22100	17700	19700	13600	13200	13400	10500	9850	10200
31	14800	12700	14100	---	---	---	13400	12300	13100	10400	9640	10200
MONTH	33200	12300	17900	30900	11100	15400	20300	11000	14000	20500	6200	10700

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10400	7500	9390	8690	4630	7430	4700	3710	4150	5710	2510	4520
2	9660	6700	8510	9420	5970	8140	4780	4120	4380	4580	2150	3580
3	8300	6560	7720	9650	6920	9120	4490	3060	3670	4750	3070	3650
4	9230	6930	8080	9520	6430	8630	3820	2690	3230	3540	1870	2960
5	10600	6650	8680	9470	5850	8000	3700	1430	2940	3360	1420	2370
6	8380	6650	7770	9300	7410	8910	1950	846	1310	3400	2250	3040
7	7560	5730	7170	8780	3630	5330	1550	1070	1300	3270	1040	2250
8	10100	7360	8750	7330	3920	5650	1710	1280	1390	2880	940	1920
9	10200	9590	9920	7900	5380	6520	1850	1100	1420	2810	729	1890
10	10000	8770	9690	8600	6790	7980	1620	934	1260	2890	580	1720
11	9980	6150	9410	8670	6490	8350	1610	1000	1330	1730	613	1090
12	8500	4900	6530	8570	3320	6320	1690	653	1020	1290	622	1050
13	16000	7710	12600	4470	3200	3640	1330	653	1120	3490	1020	2180
14	10500	7450	8180	5950	4340	5030	2260	1330	1770	3510	1290	2940
15	8090	6910	7460	7270	4730	6240	2580	1600	1970	3240	2690	2870
16	9210	7300	8540	6700	4170	5600	2560	1890	2200	2740	1730	2350
17	9460	8640	9190	7000	3180	5650	2420	1280	1750	2580	1360	1950
18	9420	4640	8190	7440	4480	6080	3090	1890	2510	2220	1350	1820
19	7430	4150	6100	8380	5880	7770	3030	1510	2370	2160	1450	1840
20	5810	3520	4880	8320	7570	8020	2930	1320	2090	2470	1460	2140
21	5540	4060	4870	8030	7550	7810	2120	1170	1760	3130	1500	2410
22	9270	5540	7470	7860	7180	7600	2090	1480	1900	3030	1480	2340
23	---	---	---	7330	7090	7180	2300	2010	2180	2950	1410	2210
24	---	---	---	7290	5100	6630	9580	2020	3630	2900	1380	2150
25	---	---	---	7200	6400	6990	19400	3880	10700	2590	1110	2020
26	6050	3930	4530	7100	5360	6360	22800	16800	20100	2760	1380	2180
27	8520	6050	7580	5510	4500	5020	22400	15900	19500	3090	1120	2340
28	8800	5760	8350	4660	2120	3600	18100	6450	9850	3010	1270	2230
29	---	---	---	2480	1310	1900	9000	6630	7580	1660	855	1390
30	---	---	---	3490	1570	2480	7620	4640	6090	2310	1310	1980
31	---	---	---	4690	2870	3980	---	---	---	2360	1650	1880
MONTH	16000	3520	7980	9650	1310	6390	22800	653	4220	5710	580	2300
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	2870	2230	2640	1410	1020	1240	13800	5570	8710	9850	7070	7990
2	2790	2040	2560	1060	728	858	13700	8670	10900	11400	8230	9580
3	2960	1500	2260	989	640	740	14300	9550	11600	9660	7350	8090
4	2650	1250	1990	1400	591	895	10300	7560	8720	11500	7390	8900
5	2470	789	1560	4810	838	2060	7940	5170	5810	23100	10500	15500
6	2060	675	1370	7440	2750	4030	7130	4550	5380	28800	19900	25100
7	1620	1120	1320	5150	3530	4390	7050	5330	6040	23200	14900	20000
8	1640	828	1280	4120	3100	3560	6430	5670	6120	16400	9800	13400
9	2630	803	1440	3270	1900	2410	5710	5160	5480	11800	9290	10300
10	7970	2090	4240	1970	1100	1530	7430	4650	5680	12400	8970	9790
11	7970	4600	5340	1890	1560	1720	5760	4230	4950	16700	8050	10800
12	4760	2030	2840	1780	1290	1610	8010	4440	5890	17400	10300	13500
13	2250	1600	2020	1810	1310	1530	7490	5090	5820	17500	12700	14800
14	2870	2000	2510	4180	1480	2470	5840	4530	4960	16100	13200	14300
15	2800	1730	2330	5510	2240	3550	5230	3930	4560	15400	12100	13600
16	2640	1390	2180	6270	2950	4070	7260	4000	5040	14000	12200	13100
17	2840	2540	2710	5250	2640	3950	7220	5320	5950	14000	11200	12300
18	2870	2150	2560	23000	4760	14500	7670	5380	6050	14000	11200	12400
19	2300	1090	1650	19400	3900	10400	6190	4970	5520	14000	11800	12700
20	1960	756	1530	3900	1310	2140	5630	4620	4910	15100	11800	13700
21	1950	613	1380	3350	1530	2160	5040	4300	4560	14100	10800	12600
22	1790	535	1270	3250	1600	2310	6260	4050	5010	12700	9050	11200
23	1790	594	1440	3810	2040	2820	8970	6140	7260	14100	9050	11800
24	1780	202	1120	4950	3510	3900	8360	6390	7260	14300	11900	13000
25	872	574	726	3850	2710	3390	9720	6300	7780	12100	8820	10400
26	1580	794	1240	2710	2400	2530	12400	7680	9380	12300	7860	10100
27	1780	1560	1690	5270	1470	3470	8430	7020	7490	12800	9770	11100
28	1660	1420	1560	8800	3850	5340	8590	6600	7290	12700	10500	11700
29	1690	869	1320	7550	3930	5500	9570	6660	7510	11400	8120	9180
30	1500	794	1210	8690	3560	5710	8950	6680	7400	8190	5800	6670
31	---	---	---	8720	4740	6490	8340	6670	7290	---	---	---
MONTH	7970	202	1980	23000	591	3590	14300	3930	6660	28800	5800	12300

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.3	23.8	24.4	24.4	22.9	23.6	16.2	15.1	15.7	15.4	13.9	14.3
2	25.2	24.3	24.7	23.9	21.2	22.5	15.2	14.4	14.9	15.5	14.2	14.7
3	25.4	24.6	25.0	21.7	19.0	20.3	14.9	13.5	14.3	16.2	14.7	15.4
4	25.1	24.4	24.7	19.6	18.5	18.9	14.9	14.2	14.5	17.0	16.0	16.3
5	24.8	23.0	23.8	19.7	18.6	19.0	14.9	13.8	14.4	17.7	16.6	17.1
6	23.3	21.4	22.1	21.7	19.5	20.2	15.4	14.4	14.7	17.7	16.1	17.0
7	21.7	21.1	21.3	22.0	19.4	20.8	16.7	15.1	15.6	16.1	14.6	15.4
8	22.3	20.9	21.5	21.2	18.7	20.0	15.6	14.6	15.1	14.6	13.1	13.8
9	22.6	21.6	22.0	18.7	17.1	17.7	15.9	14.2	14.9	13.9	11.2	12.6
10	22.9	21.4	22.1	18.1	16.8	17.5	16.3	14.5	15.2	11.8	10.7	11.2
11	22.4	21.0	21.8	17.9	16.8	17.4	17.1	15.1	16.0	11.5	10.3	10.8
12	21.6	20.6	21.1	17.5	16.6	17.1	17.3	15.8	16.5	10.4	8.8	9.4
13	22.2	20.9	21.3	17.6	16.3	17.0	17.8	16.4	17.0	9.1	7.8	8.5
14	22.3	21.1	21.6	18.0	16.4	17.2	17.6	16.5	17.0	8.8	7.9	8.3
15	22.8	21.5	22.1	17.7	16.8	17.2	17.5	16.5	17.0	8.5	7.6	8.0
16	23.7	21.9	22.7	17.6	16.5	16.8	17.5	16.1	16.9	8.8	7.7	8.3
17	24.5	22.5	23.4	17.0	16.3	16.6	16.1	14.9	15.6	7.9	6.7	7.1
18	24.0	22.0	23.4	18.2	17.0	17.5	15.4	12.3	14.4	7.4	6.1	6.8
19	22.5	21.2	22.1	18.9	17.8	18.2	12.9	10.3	11.2	8.4	6.1	7.0
20	22.2	20.8	21.4	19.4	18.3	18.7	11.2	9.4	10.6	9.0	7.2	7.7
21	22.6	21.3	21.7	20.1	18.5	19.3	10.8	9.6	10.1	8.9	7.5	8.2
22	22.1	20.9	21.7	19.7	19.0	19.4	11.6	10.4	11.0	10.6	8.4	9.3
23	20.9	19.6	20.3	19.2	18.3	18.6	13.0	10.9	11.7	11.4	9.4	10.1
24	20.9	19.6	20.2	19.1	18.2	18.5	12.7	11.7	12.3	11.9	10.3	11.1
25	20.5	20.2	20.3	18.6	16.9	18.0	12.3	11.4	11.8	12.7	11.0	11.6
26	21.6	20.3	20.9	16.9	15.4	15.8	11.6	10.8	11.2	11.7	11.2	11.4
27	22.7	20.9	21.8	15.6	14.3	14.8	12.6	11.1	11.8	13.6	11.6	12.8
28	23.4	22.0	22.7	14.9	13.7	14.4	13.5	12.1	12.7	13.7	12.5	13.1
29	23.7	22.7	23.1	14.6	13.9	14.2	13.8	12.5	13.0	12.5	11.5	11.9
30	23.9	22.8	23.2	16.1	14.4	15.2	14.4	12.9	13.6	11.9	11.2	11.6
31	23.9	22.6	23.2	---	---	---	14.7	13.3	13.9	11.7	11.2	11.4
MONTH	25.4	19.6	22.3	24.4	13.7	18.1	17.8	9.4	14.0	17.7	6.1	11.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.7	11.4	11.9	17.2	15.6	16.1	19.7	18.8	19.4	22.7	20.0	21.1
2	13.5	12.4	12.9	17.6	16.9	17.3	19.9	18.5	19.2	22.4	21.1	21.6
3	14.4	13.5	13.9	17.7	16.8	17.3	19.9	19.1	19.5	24.6	21.9	23.2
4	14.6	14.0	14.3	18.0	17.2	17.7	20.2	19.7	19.9	23.6	21.7	22.9
5	15.4	14.0	14.5	18.8	17.9	18.3	20.5	19.8	20.3	23.2	20.9	21.9
6	14.5	13.7	14.1	18.4	17.3	17.7	20.7	19.3	19.9	24.2	21.5	22.7
7	14.2	13.3	13.8	17.8	16.5	17.1	20.2	18.9	19.7	25.2	21.3	22.5
8	13.9	12.8	13.2	18.7	16.4	17.5	19.5	18.4	18.8	24.1	21.9	22.5
9	13.0	12.1	12.6	19.7	17.7	18.7	18.8	17.5	18.2	25.1	22.2	23.2
10	12.3	11.5	11.9	20.3	19.1	19.6	18.8	17.4	18.2	24.1	21.3	22.4
11	11.5	10.6	11.3	20.7	19.3	19.8	18.8	18.2	18.5	21.9	20.9	21.4
12	11.5	10.5	10.8	20.7	19.8	20.3	18.8	18.2	18.5	22.3	21.0	21.5
13	11.3	10.4	10.8	20.6	19.9	20.2	18.5	17.3	17.8	23.6	21.5	22.4
14	11.1	10.4	10.8	21.1	19.9	20.4	17.3	16.4	16.8	24.3	22.4	23.2
15	10.9	9.9	10.4	20.4	18.8	19.8	17.6	16.1	16.8	25.5	23.7	24.5
16	11.9	10.1	10.9	19.1	17.2	18.5	18.9	16.9	17.8	24.7	23.7	24.2
17	12.2	10.9	11.4	18.1	17.3	17.6	18.9	17.6	18.4	24.8	23.4	24.1
18	12.2	11.2	11.8	18.5	17.7	18.0	19.1	17.6	18.4	25.4	24.2	24.7
19	13.9	12.1	12.8	19.2	18.3	18.9	18.7	17.1	17.7	25.1	24.4	24.7
20	14.5	12.6	13.6	18.9	17.1	18.0	19.8	17.8	18.6	26.7	24.4	25.1
21	16.2	13.9	15.0	18.9	16.7	17.8	21.3	19.1	19.9	26.6	25.6	25.9
22	16.2	15.1	15.6	19.6	17.7	18.7	22.0	20.2	20.8	27.2	25.3	25.9
23	---	---	---	19.4	18.3	19.0	22.0	20.0	20.9	27.0	25.8	26.2
24	---	---	---	19.8	18.7	19.3	21.1	20.4	20.7	26.6	25.8	26.3
25	---	---	---	21.1	19.2	20.1	20.6	19.3	19.9	26.2	25.0	25.5
26	15.2	13.0	14.1	21.9	20.3	21.0	19.3	18.6	18.8	27.1	25.4	25.9
27	15.3	14.6	14.9	21.8	20.7	21.2	19.6	18.6	19.1	27.9	25.9	26.7
28	16.0	14.6	15.0	21.3	19.6	20.5	19.6	19.0	19.3	28.1	26.3	27.0
29	---	---	---	20.4	19.2	19.7	19.7	18.8	19.1	26.7	25.8	26.3
30	---	---	---	21.2	19.4	20.1	21.1	19.1	19.9	26.5	25.4	26.1
31	---	---	---	20.4	18.8	19.7	---	---	---	26.3	25.4	25.8
MONTH	16.2	9.9	12.9	21.9	15.6	18.9	22.0	16.1	19.0	28.1	20.0	24.1

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.4	24.4	25.5	31.0	29.3	30.1	29.8	28.7	29.4	30.7	29.3	30.1
2	26.8	25.0	25.7	31.2	29.6	30.4	29.1	28.3	28.7	30.6	29.7	30.2
3	26.6	25.0	25.7	31.2	29.7	30.3	29.7	28.6	28.9	30.8	29.9	30.3
4	26.7	25.3	25.8	31.5	29.9	30.6	29.8	29.0	29.4	30.8	30.1	30.4
5	26.5	25.1	25.7	31.1	30.3	30.7	30.3	29.3	29.7	30.4	28.7	29.6
6	26.1	24.7	25.4	30.6	29.5	30.0	30.4	29.5	30.0	28.8	28.3	28.5
7	25.8	25.2	25.5	29.8	29.0	29.4	30.4	29.5	30.0	29.1	27.9	28.5
8	26.5	25.4	25.8	29.6	28.6	29.0	30.3	29.4	29.9	29.5	28.2	28.8
9	25.9	25.1	25.5	30.6	28.4	29.2	30.4	29.2	29.8	28.9	28.1	28.6
10	26.3	25.5	25.8	29.8	28.7	29.3	31.0	29.3	30.1	29.7	28.2	28.7
11	27.3	25.8	26.3	30.0	29.3	29.6	31.2	29.7	30.4	29.0	27.5	28.4
12	28.9	26.4	27.3	30.9	29.3	29.9	31.1	29.7	30.4	28.5	27.5	28.0
13	29.0	27.3	28.0	30.2	29.3	29.8	32.2	30.1	30.9	29.0	27.8	28.2
14	29.6	27.9	28.4	30.4	28.9	29.5	32.3	31.0	31.6	29.2	28.5	28.7
15	30.1	28.6	29.0	30.7	29.3	29.8	31.9	30.6	31.3	29.5	28.9	29.2
16	29.6	28.5	29.0	30.3	29.7	30.0	31.6	30.9	31.2	30.1	29.0	29.4
17	29.4	27.9	29.0	30.2	28.9	29.7	31.5	30.3	30.9	30.4	28.8	29.5
18	28.2	27.1	27.8	29.2	27.2	28.2	31.9	30.4	31.1	30.6	29.3	29.8
19	27.4	26.6	26.9	28.3	26.6	27.5	32.1	30.8	31.3	30.6	29.8	30.1
20	29.0	26.7	27.2	28.3	27.9	28.1	32.2	30.7	31.3	31.0	29.8	30.2
21	28.4	27.2	27.7	28.9	27.7	28.2	31.4	29.9	30.8	31.2	29.8	30.3
22	29.8	27.6	28.2	29.2	28.5	28.8	31.2	29.8	30.5	31.4	29.8	30.3
23	29.5	27.6	28.7	29.5	28.4	29.0	30.3	29.0	29.7	30.5	29.0	29.7
24	28.9	27.5	28.1	30.4	28.7	29.3	30.1	28.5	29.4	29.6	28.9	29.3
25	28.2	27.6	27.9	30.4	29.3	29.7	29.8	27.5	28.8	29.0	26.8	28.2
26	28.6	27.4	27.9	32.4	29.5	30.5	29.6	27.9	28.5	27.5	26.4	27.0
27	30.1	28.0	28.7	30.8	29.7	30.1	30.3	28.8	29.5	26.7	26.1	26.5
28	29.6	28.6	29.0	31.8	29.9	30.6	30.2	29.0	29.5	27.3	26.1	26.5
29	29.1	27.8	28.7	31.2	30.3	30.8	30.7	29.6	29.9	27.5	26.0	26.8
30	29.9	27.9	28.9	30.8	29.8	30.3	30.7	29.9	30.3	27.7	26.5	26.9
31	---	---	---	30.3	29.6	30.0	30.9	30.0	30.3	---	---	---
MONTH	30.1	24.4	27.3	32.4	26.6	29.6	32.3	27.5	30.1	31.4	26.0	28.9

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA

LOCATION.--Lat 29°25'23", long 89°57'02", Plaquemines Parish, Hydrologic Unit 08090301, on a two-tier wellhead platform 10.7 mi northeast of Grand Isle Coast Guard Station.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

REMARKS.--Stage affected by wind and tide. Prior to December 1, 1993, at platform near present site, datum of gage was sea level (levels determined by Global Positioning System). From Dec. 2, 1993, to Sept. 30, 1995, datum of gage was 7.06 ft below sea level. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 4.54 ft, Aug. 25, 1992; minimum recorded elevation, -3.24 ft, revised, Feb. 8, 1995.

REVISIONS.--Minimum recorded elevation has been revised to reflect the datum used prior to Oct. 1, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 2.99 ft, Nov. 17; minimum recorded, -0.77 ft, Jan. 17.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.95	.92	1.42	2.06	1.14	1.62	2.89	1.09	1.59	1.06	.61	.83
2	1.97	1.12	1.53	1.91	.17	.78	1.67	1.13	1.40	1.07	.54	.81
3	1.98	1.01	1.49	1.25	.58	.87	1.63	.89	1.20	1.07	.51	.81
4	2.44	1.52	1.89	1.40	.84	1.13	1.54	.66	1.05	1.83	.28	1.12
5	2.87	1.93	2.41	1.45	1.09	1.25	1.50	1.27	1.39	1.67	.62	1.16
6	2.44	1.89	2.27	1.83	1.44	1.55	1.95	.89	1.39	1.64	.39	1.03
7	2.44	1.55	2.10	2.30	1.33	1.84	1.72	1.01	1.34	1.64	.10	.83
8	2.70	1.63	2.26	1.33	.41	.76	1.56	.11	.83	2.15	.39	1.19
9	1.88	1.60	1.73	1.66	.09	.88	1.38	.25	.76	1.66	.26	.72
10	1.73	.92	1.19	1.36	.30	.77	1.55	-.08	.75	1.32	-.09	.58
11	1.59	.84	1.13	1.59	.21	.88	1.87	.13	.93	1.11	-.33	.30
12	1.60	.95	1.25	1.49	.15	.78	1.81	.23	.97	.83	-.17	.24
13	1.89	.98	1.38	1.53	.24	.86	1.65	.05	.77	.53	-.25	.17
14	2.03	.89	1.44	1.82	.24	.93	1.46	.20	.81	.67	-.12	.30
15	2.05	.86	1.43	2.68	.89	1.53	1.46	.46	.96	1.64	.65	1.11
16	2.27	1.03	1.62	2.95	1.89	2.39	1.51	.83	1.20	.77	-.56	-.01
17	2.40	1.18	1.76	2.99	1.71	2.25	1.08	.73	.88	.75	-.77	.00
18	2.26	.54	1.28	2.35	1.74	2.05	.88	.02	.52	.52	-.68	-.03
19	1.74	.84	1.33	2.16	1.79	1.97	.51	-.51	.00	.89	-.68	.15
20	2.01	1.02	1.53	2.35	1.84	2.08	.81	-.39	.19	.97	-.58	.15
21	1.90	1.21	1.62	2.21	1.75	2.01	1.26	-.11	.59	1.24	-.07	.57
22	2.19	.87	1.79	2.13	.82	1.53	1.47	.12	.79	1.37	.30	.84
23	1.56	.68	1.16	2.32	1.21	1.77	1.73	.22	.93	1.54	.12	.77
24	1.87	1.28	1.56	2.98	1.14	1.88	1.55	.16	.59	1.54	.43	.94
25	2.63	1.35	1.87	2.89	1.14	1.62	1.32	-.30	.40	1.13	.05	.57
26	2.60	1.48	2.02	1.60	.26	.83	1.58	.32	.92	1.40	.46	.82
27	2.35	1.19	1.77	1.63	.21	.82	1.55	.56	1.04	1.40	.58	.87
28	2.29	1.02	1.60	1.83	.32	1.00	1.41	.33	.87	.90	.30	.55
29	2.27	1.08	1.66	2.56	1.05	1.60	1.40	.61	1.00	.78	.28	.55
30	2.26	1.04	1.56	2.89	1.64	2.20	1.17	.53	.80	.79	.34	.57
31	2.02	.83	1.38	---	---	---	1.10	.62	.83	.74	.14	.48
MONTH	2.87	.54	1.63	2.99	.09	1.41	2.89	-.51	.89	2.15	-.77	.61

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.97	-.18	.45	---	---	---	1.22	-.04	.66	1.24	.20	.79
2	1.01	-.09	.45	---	---	---	1.21	.21	.75	1.47	.96	1.25
3	.99	-.06	.52	---	---	---	1.37	.24	.85	1.35	.30	.82
4	1.38	-.27	.56	---	---	---	2.03	.98	1.48	.65	.23	.42
5	.97	-.35	.26	---	---	---	2.71	1.70	2.09	1.26	.26	.78
6	1.27	-.07	.55	---	---	---	1.78	1.06	1.29	1.21	.16	.75
7	1.34	.24	.77	---	---	---	1.33	.43	.86	1.30	.12	.77
8	1.24	1.24	.37	---	---	---	1.62	.54	1.14	1.61	.31	1.02
9	---	---	---	---	---	---	1.49	.34	1.04	1.39	.08	.84
10	---	---	---	---	---	---	1.59	.30	1.04	1.25	.08	.66
11	---	---	---	---	---	---	2.37	.77	1.53	1.55	.19	.96
12	---	---	---	1.26	.54	.98	1.85	.70	1.31	1.49	.44	.99
13	---	---	---	2.24	1.05	1.78	1.20	.09	.67	1.15	.43	.80
14	---	---	---	1.56	.37	1.17	---	---	---	1.06	.40	.73
15	---	---	---	1.16	.15	.68	---	---	---	.76	.27	.55
16	---	---	---	1.12	.12	.71	---	---	---	.82	.27	.59
17	---	---	---	1.35	.39	.93	---	---	---	1.01	.67	.81
18	---	---	---	1.41	.47	.99	.63	-.25	.31	1.04	.59	.83
19	---	---	---	1.19	.62	.93	.66	.46	.56	1.44	.76	1.11
20	---	---	---	.98	.23	.59	.91	.45	.70	1.35	.24	.86
21	---	---	---	.86	.22	.53	1.35	.57	.98	1.31	.01	.74
22	---	---	---	.80	.49	.63	1.34	.36	.93	1.22	.02	.67
23	---	---	---	.90	.27	.58	.97	.12	.52	1.37	.05	.77
24	---	---	---	.99	.60	.73	1.25	.13	.71	1.83	.04	1.01
25	---	---	---	1.25	.66	1.01	1.74	.40	1.15	1.66	.43	1.03
26	---	---	---	1.26	.42	.83	2.10	.77	1.42	1.65	.39	1.06
27	---	---	---	1.24	.42	.88	2.64	1.04	1.98	1.43	.37	.99
28	---	---	---	1.54	.60	1.15	1.54	.18	1.03	1.28	.33	.84
29	---	---	---	1.34	.41	.91	1.03	-.03	.55	1.25	.40	.92
30	---	---	---	1.28	-.02	.77	1.36	.12	.83	1.54	.99	1.17
31	---	---	---	1.03	-.68	.24	---	---	---	1.49	.61	1.04
MONTH	---	---	---	---	---	---	---	---	---	1.83	.01	.86
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.04	.30	.67	1.36	.10	.81	1.23	-.06	.66	1.14	.49	.83
2	1.16	.09	.68	1.30	-.15	.65	1.35	.10	.81	1.20	.60	.88
3	1.28	-.08	.70	.96	-.22	.44	1.51	.39	.95	1.01	.55	.78
4	1.29	.04	.70	1.11	-.11	.51	1.28	.31	.84	.93	.67	.80
5	1.51	.15	.85	1.36	-.08	.61	.98	.30	.64	1.55	.77	1.06
6	1.75	.38	1.11	1.50	.05	.85	1.01	.34	.68	1.78	1.45	1.60
7	1.68	.31	1.08	1.36	.27	.81	.89	.41	.68	1.83	1.13	1.42
8	1.53	.28	.98	1.14	.17	.65	1.03	.49	.80	1.82	1.10	1.44
9	1.56	.60	1.10	1.06	.24	.68	1.11	.56	.85	1.85	.86	1.36
10	1.89	.69	1.40	.89	.26	.64	1.10	.30	.70	1.72	.65	1.19
11	1.82	1.19	1.48	.65	.37	.51	1.01	.28	.65	1.72	.54	1.16
12	1.68	1.16	1.45	.74	.18	.52	1.20	.20	.72	1.59	.59	1.13
13	1.61	1.16	1.44	.82	.15	.51	1.20	.14	.70	1.62	.59	1.13
14	1.56	.89	1.20	1.27	.42	.81	1.32	.13	.74	1.59	.56	1.11
15	1.24	.68	.97	1.45	.40	.96	1.47	.13	.83	1.57	.76	1.15
16	1.60	.72	1.16	1.60	.43	1.04	1.71	.36	1.05	1.52	.96	1.19
17	1.82	.49	1.29	2.27	.71	1.57	1.65	.32	1.04	1.42	.90	1.18
18	1.94	.41	1.24	2.83	.03	1.17	1.46	.31	.93	1.44	.87	1.18
19	1.66	.27	.99	1.36	-.12	.69	1.39	.32	.92	1.79	.86	1.24
20	1.57	.19	.92	1.29	-.13	.59	1.13	.47	.82	1.84	.91	1.35
21	1.69	.22	.99	1.23	-.13	.61	.75	.48	.61	1.76	.62	1.15
22	1.58	.15	.91	1.23	-.12	.56	.99	.42	.62	1.57	.52	1.04
23	1.32	.02	.73	1.12	.04	.64	1.16	.41	.77	1.67	.66	1.18
24	1.36	-.03	.73	.79	.27	.61	1.19	.45	.84	1.75	.86	1.32
25	1.28	.32	.88	.72	.52	.61	1.22	.34	.81	1.65	.20	.91
26	1.04	.52	.83	.78	.32	.59	1.55	.53	1.09	1.19	.25	.75
27	.95	.52	.75	1.08	.18	.64	1.63	.52	1.11	1.07	.56	.81
28	.95	.47	.75	1.17	.20	.70	1.32	.37	.89	1.15	.60	.92
29	1.34	.46	.93	1.20	-.03	.66	1.36	.36	.91	.76	.52	.64
30	1.43	.35	.94	1.33	.02	.69	1.28	.50	.90	.68	.53	.58
31	---	---	---	1.41	-.01	.76	1.27	.36	.92	---	---	---
MONTH	1.94	-.08	1.00	2.83	-.22	.71	1.71	-.06	.82	1.85	.20	1.08

MISSISSIPPI RIVER DELTA
07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURES: July 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 46,800 microsiemens, Nov. 30, 1996; minimum daily, 845 microsiemens, July 3, 1997.

WATER TEMPERATURES: Maximum daily mean, 32.9°C, Aug. 18, 19, 1997; minimum daily mean, 2.9°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 46,800 microsiemens, Nov. 30; minimum daily, 845 microsiemens, July 3.

WATER TEMPERATURE: Maximum daily, 32.9°C, Aug. 18, 19; minimum daily mean, 5.9°C, Jan. 14.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	30000	26200	27800	34600	30100	32400	46800	29300	36900	26100	24100	25300
2	32200	29100	30900	33700	21900	26800	37000	28000	32300	26000	25300	25800
3	31800	24700	28200	28300	21400	25000	37100	34300	35300	25400	22600	24700
4	34000	27500	31200	30300	27400	29300	37100	23600	34000	23800	11500	15700
5	36800	29100	33000	35600	30200	33900	32700	27800	30500	18200	12600	15700
6	29700	26900	28800	37200	35600	36600	33900	32100	32900	17100	10100	12500
7	30700	29300	29500	38700	35600	37500	33300	25300	28400	16800	8120	10800
8	37000	30700	33100	37400	21300	27800	26400	16300	20200	19400	9020	14000
9	39800	36500	38300	27500	18700	21600	27200	16600	22600	19400	6270	10600
10	36500	31700	34900	35200	20700	30400	26700	18900	22700	9740	4220	5720
11	34000	20900	24500	35200	23800	33300	30700	19700	23700	9740	4280	5280
12	30200	23600	25500	34300	20900	25600	30700	20500	25400	4940	3990	4410
13	30500	23100	26400	32000	22500	28200	28500	20400	26000	4820	3420	4140
14	34400	26800	30000	34300	23400	27500	28000	19600	23400	18400	3770	7570
15	37000	29200	35300	37600	30700	34200	25100	21500	23000	41600	18400	29700
16	37600	32200	35200	42900	37600	41100	25700	21900	24900	44100	12700	34400
17	39200	35200	37400	41300	40600	41000	26100	19300	23100	36100	3770	10900
18	38800	24500	32100	41300	40100	40800	26500	12500	18500	35800	28400	30400
19	36100	27500	33000	40400	39100	39800	14200	9400	10700	37100	34100	35800
20	36900	30600	34300	39600	38700	39100	15000	9650	11800	36300	31800	35400
21	37700	34000	38300	39600	38400	38800	28800	15000	25400	35800	34200	35300
22	40000	33800	38300	38900	30700	34700	35800	28000	30400	34600	32400	33600
23	36800	28100	32300	39300	32300	35800	39200	29700	34700	34700	31300	33800
24	38600	36000	37800	39800	34900	37700	39400	37000	38400	32200	29100	30400
25	41100	34400	37600	39700	32000	35800	37400	14000	22300	31100	21000	25800
26	41100	37300	40000	33200	25000	26700	34000	29600	30800	30400	19200	24700
27	39100	35700	38100	27600	22800	24400	34600	25400	29600	30500	28600	29600
28	38500	33300	36300	29700	23600	26000	29300	21900	26500	30500	15200	24000
29	38700	32400	35300	37800	29700	31700	28700	21600	25400	19700	11400	14000
30	37800	32400	35100	46800	37800	41200	26500	18200	23300	23300	18400	20900
31	36000	28500	33100	---	---	---	24500	22700	23900	29600	23300	27200
MONTH	41100	20900	33300	46800	18700	32800	46800	9400	26400	44100	3420	21200

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	28200	23700	25700	30600	24400	28400	12700	3860	8790	11500	8430	9540
2	24000	15300	18800	31600	23800	28400	12200	5580	9270	13800	10500	11900
3	25300	20700	23700	25200	17700	21200	16200	5650	9160	13900	7220	11400
4	24300	15000	19300	21600	13200	19200	26500	16200	20700	7220	4580	5670
5	24100	11800	16000	20400	8630	14100	30800	26500	29500	11600	5350	9130
6	19000	9490	14200	14600	4450	6070	28500	24300	26900	10500	6020	8130
7	21900	13800	18100	16600	3920	7130	27200	9520	17800	9900	5410	7000
8	21900	5290	10300	22900	16600	21000	18000	9440	13600	13800	5270	9200
9	21000	4700	12000	22700	19100	20200	15700	10000	12900	12400	6750	9440
10	25300	21000	22800	20400	19000	19800	15600	9430	12400	7620	5770	6560
11	27600	22100	25600	29600	20200	25600	24500	10300	18400	11000	5100	8030
12	22500	15100	18000	29300	20200	26800	22100	14200	20600	15000	9580	12100
13	40600	22500	33400	24600	22100	23500	14200	7970	9920	13400	7280	10900
14	40600	13600	30200	24400	14700	22500	---	---	---	11300	8670	10200
15	15300	6830	10600	14700	8540	10700	---	---	---	8760	5260	6920
16	24400	14900	21800	11100	6270	8180	---	---	---	7750	5770	6520
17	25700	24300	25200	17000	6450	12100	---	---	---	9650	6460	8350
18	25600	24400	24700	18200	11300	16400	21400	7440	14300	11000	7560	9550
19	24400	17800	22100	21900	12300	18300	13000	8270	11100	15100	9240	12600
20	26600	15800	19800	21900	4050	7470	14400	8270	10900	14100	13700	14100
21	29700	24500	26600	10300	2960	5380	15900	9430	12600	13700	11400	12400
22	24700	8570	12300	11700	8310	10000	13200	9000	11700	11400	8380	9670
23	9260	6040	7170	28900	7550	20700	12200	4380	7910	8380	6210	6840
24	8770	6290	7340	28800	21900	27300	12300	4330	8330	9230	4020	5800
25	12600	6930	10200	22000	17200	20600	18800	6620	14400	5300	3630	4280
26	24700	10300	14700	18500	12700	16800	18900	10300	14600	4100	3510	3830
27	26500	24700	25900	18000	12700	15300	28600	18700	23900	3980	3380	3610
28	26300	20200	24100	20100	16400	18300	28000	13000	20800	3590	2480	3030
29	---	---	---	17100	10100	14300	16400	9910	13300	2930	2040	2270
30	---	---	---	11100	7350	8940	12500	8530	10400	3960	2810	3290
31	---	---	---	8190	3770	5650	---	---	---	4050	1250	2970
MONTH	40600	4700	19300	31600	2960	16800	30800	3860	14800	15100	1250	7910
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	1260	1080	1150	3870	1290	2170	30200	14500	26400	28100	24600	26400
2	1360	1060	1170	2530	858	1540	22600	14000	20100	28100	25900	27100
3	2050	1070	1350	1420	845	1090	26200	20700	23100	26300	22100	24500
4	24500	1040	17600	21700	871	14100	28300	21300	26300	29200	25000	26500
5	27600	14600	24500	26700	10800	22300	27100	19100	22400	32800	26500	28800
6	18200	10600	15000	27200	15500	23800	20900	18500	19800	33200	32100	32800
7	18800	11500	15400	23800	16400	22100	23500	20000	22100	33000	29900	31500
8	17600	8760	13500	21600	17800	20500	22400	19000	21600	32100	30200	31200
9	18100	10200	13500	21100	18300	19800	22300	18600	20500	33100	29500	31600
10	20500	9490	15900	20400	19700	20100	22500	20000	21600	32100	28200	30500
11	21400	17300	19800	20800	20400	20600	22800	16300	20900	32400	27600	30800
12	20700	18600	19900	20400	12000	18000	20100	15000	18400	31000	26800	29900
13	19700	17000	18600	18300	8310	14200	19900	14500	17700	31700	26800	29200
14	17000	8680	14400	14000	9000	12600	25700	16500	22500	31100	26800	28700
15	15400	8680	13800	14800	12000	13700	24000	15400	21200	30500	26900	29000
16	14000	7740	12000	16500	11600	14200	25000	15300	22200	30300	28000	29000
17	14800	9900	13300	20900	11600	16500	23000	19500	21700	29900	27700	28800
18	14100	8610	12300	19100	8690	13000	22900	19600	21700	30000	26300	28400
19	11200	5940	9060	11800	6640	9710	23400	19000	21400	31100	26300	29000
20	9100	4830	6640	10900	4740	7950	22600	19900	20900	31100	28300	30000
21	7780	4330	6210	10500	4150	7620	22700	17300	19400	31300	26400	29200
22	6920	4570	5540	19300	4030	9400	23900	19700	22000	29700	25900	28100
23	5830	3530	4560	22400	18900	20900	20400	18300	19300	30700	27100	28900
24	5570	1930	3660	26300	18900	24400	26900	19200	23200	31500	27700	29700
25	3570	2350	2910	26600	23800	25200	29300	20100	26000	29800	23600	27600
26	3010	2190	2650	26900	23900	25300	28800	20500	24900	26100	23200	24600
27	2190	1530	1750	24300	20100	22200	33000	26800	30700	28700	23100	26100
28	2270	1140	1680	21100	13800	16600	32900	31700	32500	30400	26300	29300
29	3540	1320	2430	17000	11800	15100	33000	30300	31800	27300	24800	26200
30	4160	1330	2710	25300	11800	19600	30800	28400	29800	26300	23900	25300
31	---	---	---	28500	22200	25900	30600	24900	28600	---	---	---
MONTH	27600	1040	9770	28500	845	16100	33000	14000	23200	33200	22100	28600

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	24.2	23.4	23.7	26.3	25.5	25.8	19.5	16.0	17.4	17.0	16.2	16.3
2	25.3	24.2	24.8	25.9	21.3	23.8	16.4	14.9	15.7	17.7	17.0	17.3
3	25.6	25.0	25.3	21.3	19.1	19.9	16.5	15.9	16.1	18.4	17.5	17.8
4	25.3	24.7	25.0	19.7	18.6	19.1	16.5	14.8	15.9	20.3	18.3	19.6
5	25.0	23.3	24.4	19.6	19.1	19.4	15.9	14.9	15.3	20.3	19.8	20.1
6	23.3	22.6	22.9	21.6	19.6	20.0	16.3	15.6	16.0	20.4	18.3	19.6
7	22.6	20.7	21.8	22.7	21.4	22.1	17.9	16.3	17.4	18.3	15.5	16.6
8	21.6	20.7	21.0	22.2	18.8	20.6	17.6	16.3	17.2	16.0	14.1	15.2
9	22.3	21.6	22.2	18.8	17.8	18.2	16.7	15.8	16.3	15.4	12.4	13.9
10	22.7	22.0	22.4	18.7	16.8	18.0	17.3	16.0	16.4	12.4	11.0	11.8
11	22.7	21.0	21.8	18.8	17.9	18.6	18.2	16.7	17.3	12.1	9.8	10.5
12	21.9	20.6	21.4	18.7	17.5	18.2	19.0	17.5	18.0	9.8	8.0	8.6
13	22.5	21.2	21.9	18.4	17.4	18.0	19.4	18.1	18.5	8.0	6.6	7.2
14	22.9	22.0	22.5	19.2	18.0	18.6	19.4	18.3	18.8	7.7	5.9	6.7
15	22.9	22.3	22.6	19.7	18.6	19.1	18.9	18.1	18.6	11.4	7.7	8.8
16	24.1	22.9	23.2	20.1	19.4	19.8	18.7	17.2	18.4	11.2	9.0	10.1
17	24.5	24.0	24.2	20.4	19.9	20.2	17.2	16.3	16.6	10.0	7.1	7.7
18	24.9	23.0	24.4	20.8	20.4	20.6	16.7	11.7	14.4	8.9	8.4	8.5
19	23.0	21.2	21.9	21.4	20.8	21.2	11.7	8.9	9.7	9.7	8.9	9.3
20	22.0	21.0	21.4	22.8	21.3	21.9	8.9	7.5	8.2	10.0	9.0	9.6
21	22.6	21.2	21.9	23.3	22.2	22.8	10.8	8.4	9.8	10.9	9.9	10.1
22	23.0	21.9	22.4	23.1	21.2	22.3	13.8	10.8	11.5	13.2	10.5	11.4
23	22.1	20.3	20.7	21.2	20.4	20.9	14.0	12.1	13.1	14.3	12.6	12.9
24	20.8	20.5	20.7	21.5	20.3	20.9	14.6	13.9	14.2	15.9	14.3	14.9
25	21.3	20.4	20.8	21.4	17.8	20.0	13.9	11.6	12.3	16.9	15.4	16.2
26	23.3	21.3	21.9	17.8	14.0	15.9	13.7	11.7	12.2	16.0	15.2	15.5
27	24.1	23.0	23.4	14.0	12.6	13.1	13.7	13.1	13.4	17.0	15.7	16.0
28	25.1	23.8	24.5	13.9	12.5	13.1	13.9	13.4	13.7	17.4	16.1	16.9
29	26.2	24.5	25.3	15.6	13.9	14.4	14.9	13.9	14.3	16.1	14.3	14.9
30	26.3	24.9	25.7	19.5	15.6	17.0	16.9	14.4	15.3	14.3	13.7	13.9
31	26.3	25.7	25.9	---	---	---	16.4	16.1	16.2	14.2	13.8	14.0
MONTH	26.3	20.3	23.0	26.3	12.5	19.5	19.5	7.5	15.1	20.4	5.9	13.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	14.4	14.1	14.2	20.9	19.4	20.2	20.5	19.2	19.9	23.2	21.6	22.0
2	14.6	14.4	14.5	21.8	20.8	21.3	20.0	18.9	19.4	24.1	22.3	23.3
3	15.5	14.6	14.9	21.5	20.7	20.9	19.9	19.3	19.6	25.2	23.7	24.3
4	17.0	15.5	16.6	21.0	20.5	20.6	20.7	19.6	20.1	24.5	23.3	23.9
5	17.5	16.5	16.9	21.9	20.8	21.4	21.3	20.6	21.0	23.9	22.1	23.1
6	16.5	15.1	15.8	21.8	18.7	20.2	21.2	21.1	21.1	23.6	22.5	23.0
7	15.4	14.7	15.0	18.7	17.7	18.3	23.4	21.1	22.1	25.0	22.5	23.7
8	15.2	13.1	14.1	18.2	18.1	18.2	22.1	20.6	21.1	25.5	23.3	24.7
9	13.1	12.1	12.8	18.8	18.2	18.6	21.0	20.0	20.4	26.8	24.8	25.3
10	13.0	12.5	12.8	20.1	18.7	19.7	21.0	19.9	20.5	26.4	23.0	24.5
11	12.6	12.0	12.2	19.9	19.1	19.5	20.6	20.1	20.3	23.4	22.2	22.7
12	12.1	11.0	11.3	21.7	19.2	19.9	20.5	20.1	20.2	22.9	22.0	22.2
13	13.5	11.7	12.6	21.6	20.7	21.1	20.3	17.9	18.9	23.4	22.3	22.6
14	13.5	11.9	12.9	21.6	20.7	20.9	---	---	---	24.8	22.7	23.6
15	12.2	10.9	11.7	21.5	18.6	20.4	---	---	---	24.8	24.2	24.4
16	12.2	12.0	12.1	19.3	17.6	18.4	---	---	---	26.1	24.5	25.2
17	12.4	12.2	12.3	18.1	17.6	17.8	---	---	---	26.3	24.7	25.5
18	13.0	12.4	12.7	18.5	18.0	18.2	18.8	17.6	18.2	27.1	25.3	26.1
19	15.8	13.0	14.1	20.1	18.4	18.7	19.3	17.9	18.3	27.0	25.8	26.4
20	18.2	15.8	16.8	19.3	18.0	18.8	21.1	19.0	19.5	27.4	26.0	26.5
21	19.0	18.0	18.5	18.8	17.5	17.8	23.0	20.8	21.8	28.1	26.9	27.5
22	18.8	17.7	18.4	18.8	17.8	18.1	23.6	22.3	22.9	28.4	27.4	27.8
23	17.7	15.2	16.3	19.3	18.5	19.0	23.0	21.7	22.3	29.3	27.5	28.3
24	15.2	14.6	14.9	20.4	19.3	19.6	22.5	21.0	21.6	28.5	27.4	28.0
25	15.1	14.5	14.7	22.7	20.4	21.2	21.0	19.8	20.3	27.6	26.0	26.8
26	17.3	15.1	16.1	23.0	21.7	22.1	19.8	18.9	19.2	28.4	26.6	27.5
27	17.3	17.0	17.2	23.6	22.4	23.0	20.5	19.0	19.5	29.0	27.5	28.2
28	19.5	17.1	18.2	24.1	23.2	23.7	20.2	19.4	19.7	29.7	28.2	28.8
29	---	---	---	24.8	23.8	24.1	20.5	19.1	19.4	28.9	27.3	28.0
30	---	---	---	24.5	23.7	24.1	22.1	19.7	20.7	27.3	26.3	26.6
31	---	---	---	23.7	20.3	21.0	---	---	---	26.6	25.7	26.1
MONTH	19.5	10.9	14.7	24.8	17.5	20.2	23.6	17.6	20.3	29.7	21.6	25.4

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.9	25.0	25.8	30.5	28.8	29.6	30.5	28.7	30.0	30.5	29.5	30.0
2	26.8	25.4	26.0	31.3	29.1	30.1	29.4	28.0	28.6	31.1	29.8	30.5
3	27.4	25.4	26.1	31.7	29.9	30.5	30.4	29.0	29.5	30.9	30.2	30.5
4	26.8	25.6	25.9	31.7	29.8	30.0	30.1	29.6	29.7	30.9	29.9	30.3
5	26.4	25.6	25.8	30.3	29.8	30.1	30.7	29.5	29.8	30.4	28.8	29.4
6	26.8	25.7	26.3	30.0	29.4	29.7	30.5	30.0	30.2	28.8	28.0	28.5
7	26.8	26.0	26.4	29.8	29.5	29.6	30.3	30.1	30.1	28.7	27.3	27.9
8	27.1	26.4	26.7	29.7	29.5	29.6	30.2	29.6	30.0	28.5	27.5	28.0
9	27.3	26.0	26.7	29.5	29.3	29.4	30.7	29.0	29.6	29.0	28.0	28.5
10	27.9	26.4	27.1	29.5	29.3	29.4	29.8	29.5	29.6	29.3	28.5	28.8
11	27.8	26.9	27.4	29.5	29.4	29.5	31.1	29.7	30.1	29.5	28.4	29.0
12	29.2	27.2	27.9	30.3	29.5	29.8	31.3	30.3	30.7	29.6	28.2	28.8
13	29.2	28.1	28.5	29.9	29.0	29.7	31.4	30.4	30.9	30.2	28.5	29.1
14	29.8	28.3	28.9	29.3	28.4	28.7	31.6	31.0	31.4	30.5	28.8	29.6
15	30.2	29.1	29.3	30.5	28.8	29.4	32.4	30.6	31.4	30.3	29.4	29.9
16	30.8	29.2	29.9	30.7	29.2	29.9	32.2	30.8	31.3	30.4	29.7	30.0
17	30.1	28.9	29.6	29.7	27.1	28.6	32.4	30.7	31.4	30.6	29.6	29.9
18	28.9	27.9	28.3	27.1	25.8	26.2	32.9	31.2	31.7	30.5	29.5	29.9
19	28.1	27.5	27.7	27.3	25.6	26.3	32.9	31.6	32.1	30.5	29.3	29.9
20	29.2	27.5	28.1	28.8	27.0	27.8	32.8	31.9	32.2	30.0	28.9	29.4
21	29.7	28.0	28.9	29.8	27.9	28.6	31.9	31.0	31.3	30.0	29.0	29.4
22	30.5	29.1	29.6	29.5	28.2	28.9	31.5	30.7	31.1	30.1	29.1	29.6
23	30.5	29.5	29.9	29.1	28.2	28.4	30.9	29.3	29.7	29.7	29.0	29.2
24	30.3	29.3	29.7	29.1	28.5	28.5	29.4	28.4	28.9	29.2	28.4	28.7
25	29.5	28.5	28.9	29.2	28.5	28.7	29.6	29.1	29.4	28.5	27.0	27.9
26	28.9	28.0	28.5	29.4	29.1	29.2	29.9	28.5	29.1	27.0	25.9	26.3
27	29.2	28.2	28.7	29.8	29.3	29.6	29.5	28.5	28.9	26.2	25.8	26.0
28	30.1	28.6	29.2	32.0	29.6	30.5	29.5	29.0	29.2	27.1	26.1	26.4
29	29.9	28.6	29.1	31.2	30.2	30.7	29.9	29.5	29.7	26.8	25.9	26.5
30	30.0	28.6	29.2	30.4	29.8	30.1	30.5	29.9	30.1	27.1	26.7	26.8
31	---	---	---	30.7	30.2	30.4	31.1	30.3	30.5	---	---	---
MONTH	30.8	25.0	28.0	32.0	25.6	29.3	32.9	28.0	30.3	31.1	25.8	28.8

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA

LOCATION.--Lat 29°23'54", long 90°02'28", Lafourche Parish, Hydrologic Unit 08090301, on a two-tier wellhead platform approximately 10.7 mi north northwest of Grand Isle Coast Guard Station.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to October 1, 1996, the datum of the gage was 16.37 ft below sea level.

REMARKS.--Stage affected by wind and tide. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.17 ft, July 18, 1997; minimum recorded, -1.60 ft, Jan. 7, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.17 ft, July 18 (caused by Hurricane Danny), minimum recorded, -0.09 ft, July 3.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.88	.93	1.41	1.82	.97	1.40	2.50	.87	1.39	---	---	---
2	1.89	1.11	1.53	1.66	.25	.83	1.43	.98	1.19	---	---	---
3	1.96	1.15	1.57	1.03	.54	.80	1.43	.71	1.02	---	---	---
4	2.50	1.74	2.01	1.20	.70	.97	1.36	.63	.92	---	---	---
5	3.21	2.30	2.75	1.26	.93	1.07	1.36	1.04	1.15	---	---	---
6	2.86	2.27	2.62	1.63	1.26	1.36	1.62	.69	1.09	---	---	---
7	2.70	1.68	2.24	2.01	1.46	1.67	1.52	.73	1.08	---	---	---
8	2.51	1.54	2.15	1.46	.34	.64	1.18	.00	.61	---	---	---
9	1.88	1.51	1.65	1.37	.04	.63	---	---	---	---	---	---
10	1.64	.97	1.17	1.34	.15	.61	---	---	---	---	---	---
11	1.45	.86	1.10	1.41	.12	.71	---	---	---	---	---	---
12	1.50	.98	1.24	1.41	.16	.73	---	---	---	---	---	---
13	1.77	1.04	1.35	1.32	.19	.74	---	---	---	---	---	---
14	1.87	.93	1.40	1.52	.21	.81	---	---	---	---	---	---
15	1.90	.88	1.38	2.55	.96	1.45	---	---	---	---	---	---
16	2.00	1.01	1.53	2.84	1.90	2.38	---	---	---	---	---	---
17	2.22	1.14	1.67	2.80	1.65	2.14	---	---	---	---	---	---
18	2.09	.65	1.32	2.14	1.58	1.86	---	---	---	---	---	---
19	1.62	.80	1.27	1.94	1.59	1.77	---	---	---	---	---	---
20	1.83	.96	1.41	2.07	1.64	1.82	---	---	---	---	---	---
21	1.74	1.14	1.48	1.95	1.54	1.74	---	---	---	---	---	---
22	1.96	.92	1.66	1.95	.97	1.46	---	---	---	---	---	---
23	1.39	.65	1.03	2.12	1.14	1.61	---	---	---	---	---	---
24	1.70	1.22	1.45	2.64	1.05	1.68	---	---	---	---	---	---
25	2.41	1.36	1.72	2.64	.65	1.29	---	---	---	---	---	---
26	2.41	1.40	1.87	1.36	.16	.75	---	---	---	---	---	---
27	2.24	1.19	1.68	1.32	.11	.67	---	---	---	---	---	---
28	2.14	.96	1.51	1.49	.20	.83	---	---	---	---	---	---
29	2.00	.98	1.49	2.15	.85	1.33	---	---	---	---	---	---
30	1.99	.84	1.39	2.44	1.41	1.89	---	---	---	---	---	---
31	1.82	.78	1.28	---	---	---	---	---	---	---	---	---
MONTH	3.21	.65	1.59	2.84	.04	1.25	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA
073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued
ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	1.33	.08	.81	1.30	.29	.83
2	---	---	---	---	---	---	1.33	.34	.88	1.48	1.06	1.29
3	---	---	---	---	---	---	1.42	.41	.98	1.40	.56	.97
4	---	---	---	---	---	---	2.09	1.07	1.58	.90	.39	.61
5	---	---	---	---	---	---	2.60	1.77	2.10	1.32	.38	.90
6	---	---	---	---	---	---	1.81	1.16	1.37	1.25	.28	.83
7	---	---	---	---	---	---	1.38	.62	1.05	1.31	.23	.84
8	---	---	---	---	---	---	1.71	.76	1.31	1.62	.27	1.06
9	---	---	---	---	---	---	1.66	.54	1.20	1.41	.34	.91
10	---	---	---	---	---	---	1.75	.47	1.21	1.53	.34	.92
11	---	---	---	---	---	---	2.24	.97	1.59	1.61	.34	1.06
12	---	---	---	1.37	.65	1.11	1.88	.86	1.42	1.51	.56	1.05
13	---	---	---	2.11	1.12	1.68	1.28	.48	.87	1.16	.45	.81
14	---	---	---	1.58	.78	1.25	1.23	.46	.86	1.00	.45	.71
15	---	---	---	1.27	.45	.90	1.08	.29	.73	.76	.35	.58
16	---	---	---	1.25	.37	.85	1.00	.41	.73	.97	.36	.71
17	---	---	---	1.40	.49	.99	.70	.18	.45	1.08	.75	.89
18	---	---	---	1.39	.55	1.02	.69	.00	.43	1.09	.70	.89
19	---	---	---	1.21	.67	.97	.70	.51	.61	1.40	.80	1.13
20	---	---	---	.97	.20	.63	.99	.53	.76	1.35	.36	.93
21	---	---	---	.76	.25	.51	1.27	.62	.96	1.32	.17	.83
22	---	---	---	.69	.49	.59	1.27	.56	.91	1.29	.17	.80
23	---	---	---	.98	.40	.70	1.02	.12	.61	1.38	.18	.85
24	---	---	---	1.09	.74	.87	1.32	.29	.87	1.78	.20	1.04
25	---	---	---	1.26	.74	1.06	1.98	.62	1.45	1.64	.43	1.07
26	---	---	---	1.31	.49	.89	2.13	1.23	1.71	1.58	.50	1.06
27	---	---	---	1.27	.53	.95	2.57	1.05	2.00	1.43	.41	1.00
28	---	---	---	1.44	.61	1.10	1.35	.38	.94	1.30	.42	.91
29	---	---	---	1.33	.42	.93	1.09	.09	.62	1.30	.57	1.05
30	---	---	---	1.33	.26	.83	1.30	.23	.84	1.55	1.07	1.25
31	---	---	---	1.06	-.02	.56	---	---	---	1.36	.76	1.10
MONTH	---	---	---	---	---	---	2.60	.00	1.06	1.78	.17	.93
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.09	.37	.74	1.36	.23	.87	1.51	.33	.94	1.24	.65	.98
2	1.17	.21	.73	1.30	-.02	.73	1.51	.34	1.01	1.37	.76	1.05
3	1.35	.11	.80	1.00	-.09	.52	1.63	.57	1.11	1.18	.71	.93
4	1.39	.22	.83	1.16	-.06	.60	1.35	.48	.95	1.11	.92	1.01
5	1.62	.27	1.01	1.54	.08	.76	1.09	.47	.78	1.68	1.00	1.27
6	1.84	.62	1.28	1.48	.27	.95	1.16	.49	.85	1.96	1.62	1.82
7	1.78	.57	1.24	1.41	.37	.89	1.04	.62	.88	1.98	1.37	1.62
8	1.68	.49	1.17	1.16	.28	.72	1.12	.80	.97	1.93	1.29	1.59
9	1.76	.84	1.33	1.20	.37	.77	1.24	.78	1.02	1.92	1.05	1.48
10	2.11	1.02	1.64	.93	.37	.69	1.23	.50	.88	1.79	.83	1.31
11	2.00	1.44	1.68	.70	.43	.58	1.17	.49	.85	1.85	.77	1.33
12	1.82	1.36	1.62	.79	.21	.57	1.36	.42	.91	1.72	.82	1.30
13	1.73	1.34	1.54	.86	.28	.60	1.34	.23	.82	1.73	.76	1.28
14	1.59	.99	1.30	1.28	.40	.86	1.41	.19	.79	1.68	.71	1.24
15	1.38	.81	1.12	1.49	.53	1.04	1.43	.22	.85	1.64	.92	1.26
16	1.66	.86	1.24	1.62	.57	1.12	1.67	.45	1.05	1.62	1.07	1.31
17	1.77	.83	1.38	2.89	.79	1.76	1.64	.43	1.06	1.52	1.07	1.30
18	2.01	.63	1.39	4.17	.23	1.50	1.48	.42	.98	1.55	1.06	1.32
19	1.76	.43	1.17	1.36	.02	.77	1.42	.46	.97	1.93	1.07	1.42
20	1.64	.39	1.06	1.26	.02	.68	1.12	.52	.85	1.94	1.12	1.51
21	1.75	.39	1.12	1.28	.05	.68	.82	.53	.66	1.81	.82	1.28
22	1.70	.42	1.10	1.32	.04	.70	1.07	.58	.73	1.61	.68	1.16
23	1.43	.30	.91	1.17	.22	.77	1.21	.52	.87	1.74	.78	1.27
24	1.45	.24	.89	.91	.47	.77	1.23	.55	.92	1.73	.91	1.34
25	1.30	.55	.99	.87	.67	.76	1.31	.52	.92	1.56	.35	.97
26	1.15	.67	.94	.92	.47	.74	1.57	.71	1.17	1.22	.40	.84
27	1.05	.66	.85	1.21	.39	.80	1.62	.60	1.13	1.14	.65	.88
28	1.05	.61	.86	1.31	.34	.86	1.29	.47	.92	1.16	.61	.93
29	1.42	.62	1.04	1.26	.17	.81	1.39	.45	.96	.81	.52	.67
30	1.51	.45	1.03	1.45	.24	.88	1.32	.62	.98	.73	.54	.62
31	---	---	---	1.53	.24	.94	1.34	.53	1.03	---	---	---
MONTH	2.11	.11	1.13	4.17	-.09	.83	1.67	.19	.93	1.98	.35	1.21

MISSISSIPPI RIVER DELTA
073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1994 to current year.

WATER TEMPERATURES: October 1994 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 41,400 microsiemens, Nov. 20, 1996; minimum daily, 516 microsiemens, July 3, 1997.

WATER TEMPERATURES: Maximum daily, 35.2° C, Aug. 9, 1995; minimum daily, 8.5° C, Jan. 5, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 41,400 microsiemens, Nov. 20; minimum daily, 516 microsiemens, July 3, 4.

WATER TEMPERATURE: Maximum daily, 34.2° C, Aug. 19; minimum daily mean, 11.9° C, Nov. 28.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23500	19600	21100	36700	28600	32500	35200	25100	28600	---	---	---
2	26400	23400	24800	36700	23300	28100	27900	21400	24200	---	---	---
3	27700	22600	25000	23300	19000	20900	24800	21000	22500	---	---	---
4	32200	25300	29100	21400	19100	20300	23300	19200	21200	---	---	---
5	40400	32000	38200	24800	19900	21000	22800	20600	21500	---	---	---
6	38200	35800	36900	31600	23500	25800	26500	19400	22000	---	---	---
7	36500	33400	35000	34000	28600	30900	26300	20500	22800	---	---	---
8	35500	32100	33800	29400	21200	24800	22500	16700	19100	---	---	---
9	33400	28700	30600	22800	18200	19600	---	---	---	---	---	---
10	32000	25500	27700	22800	17900	19700	---	---	---	---	---	---
11	28200	23800	25700	22900	17700	19700	---	---	---	---	---	---
12	26200	24200	25100	23800	18100	20900	---	---	---	---	---	---
13	28100	24900	25800	22800	18400	20400	---	---	---	---	---	---
14	29600	25500	27300	23400	18800	20700	---	---	---	---	---	---
15	30100	26200	28000	32600	22500	24600	---	---	---	---	---	---
16	32600	28000	30000	40300	31000	36200	---	---	---	---	---	---
17	33900	28400	31100	40000	31800	36100	---	---	---	---	---	---
18	34600	27400	30500	40800	31600	35700	---	---	---	---	---	---
19	29600	25000	26800	40300	32000	35700	---	---	---	---	---	---
20	29100	27300	28000	41400	32500	36200	---	---	---	---	---	---
21	30000	25700	28600	40300	32100	36100	---	---	---	---	---	---
22	37200	26700	32600	37100	28600	32500	---	---	---	---	---	---
23	26700	21800	24200	36700	27300	31800	---	---	---	---	---	---
24	30200	23400	25700	36700	28300	31900	---	---	---	---	---	---
25	32800	26500	28900	37300	25400	31200	---	---	---	---	---	---
26	38000	28200	31600	29700	22500	25700	---	---	---	---	---	---
27	38700	29800	33900	23700	19400	21500	---	---	---	---	---	---
28	38700	30800	33500	24600	22900	23700	---	---	---	---	---	---
29	38100	30400	33900	28000	23800	25100	---	---	---	---	---	---
30	38900	30200	33600	34400	27600	29700	---	---	---	---	---	---
31	36300	29200	32500	---	---	---	---	---	---	---	---	---
MONTH	40400	19600	29700	41400	17700	27300	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	5240	2630	3780	11700	6260	8620
2	---	---	---	---	---	---	5830	3040	4590	18200	11700	13600
3	---	---	---	---	---	---	7290	3980	5250	18200	8450	13100
4	---	---	---	---	---	---	19500	7090	10800	9660	4110	6870
5	---	---	---	---	---	---	24600	16300	20200	7160	4130	6440
6	---	---	---	---	---	---	18100	13300	16200	7700	5680	6940
7	---	---	---	---	---	---	18600	6860	12500	9360	5380	7300
8	---	---	---	---	---	---	11400	6920	10100	12200	6030	9480
9	---	---	---	---	---	---	10500	9170	9720	12900	6900	9230
10	---	---	---	---	---	---	11800	8580	10100	10100	5670	8140
11	---	---	---	---	---	---	14800	9880	12400	10500	6330	8380
12	---	---	---	11200	5160	8460	13800	10300	11900	10800	6720	8850
13	---	---	---	20100	10600	16000	10700	5680	8550	8260	6530	7410
14	---	---	---	15300	10400	13000	5680	2630	4060	7430	6260	7060
15	---	---	---	12500	7250	8420	4550	2920	3640	6420	4380	5070
16	---	---	---	8820	6210	7440	4150	2690	3350	5730	3990	4920
17	---	---	---	8600	5820	7150	3730	1220	2280	9090	5420	7530
18	---	---	---	8500	5920	7450	1960	1200	1580	9000	7080	8050
19	---	---	---	8440	5670	6910	2140	1640	1880	15900	8260	13200
20	---	---	---	6360	2160	3400	4420	1640	3010	15400	8190	11300
21	---	---	---	3350	1370	2050	9110	2890	6000	12800	7900	9560
22	---	---	---	2550	1770	2240	10300	3220	7000	10000	6170	8050
23	---	---	---	6490	1510	3170	3660	1500	2890	9480	5260	7350
24	---	---	---	8320	4460	6410	6090	1510	3980	12000	4500	7930
25	---	---	---	13200	6640	10500	21400	3890	12000	9750	5120	7210
26	---	---	---	12400	7290	9870	21300	13400	18500	9040	4830	6330
27	---	---	---	10900	6990	9630	27400	18800	22100	8380	4060	5780
28	---	---	---	13800	8440	10900	18900	9990	14400	6100	3180	4150
29	---	---	---	10300	8070	9530	10000	8170	8850	3610	2130	2820
30	---	---	---	8890	5260	7940	11300	6030	8520	4570	2690	3640
31	---	---	---	7220	2720	4690	---	---	---	2770	967	2060
MONTH	---	---	---	---	---	---	27400	1200	8670	18200	967	7620

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1110	866	1010	4070	854	1720	15400	10500	12500	22300	18000	20800
2	1190	859	990	2540	688	1140	15500	9940	12500	23600	19700	21800
3	1460	721	1030	840	516	720	16600	10500	14100	20800	16600	19000
4	2140	746	1220	1710	516	854	17000	11000	13600	20000	17400	18400
5	7400	849	3200	7560	602	2900	17700	10700	13100	24200	16900	18800
6	10500	1640	6990	9470	1040	4330	18700	10000	15000	---	---	---
7	11900	4960	8170	8000	2320	4920	15800	11900	14300	---	---	---
8	11100	5520	8870	5740	2990	4230	15800	13800	14900	30500	27500	28800
9	12800	8830	10600	5730	3190	4330	16000	13800	14900	31100	26700	28900
10	15300	10100	12700	5810	2340	3650	17300	12900	15300	30000	24200	27500
11	17100	13800	15300	3300	1570	2300	15900	12600	14500	29200	24500	26800
12	15800	11200	13900	3590	1820	2520	16100	13000	14500	28600	24000	26100
13	14500	11800	12800	3310	1270	2340	16800	11900	14200	27800	22900	26000
14	13100	8470	11100	5850	1390	3820	17000	10400	13600	27900	23300	25700
15	10800	6310	8480	9260	4510	6860	19300	10500	14600	27500	21900	25100
16	13600	6370	10700	11200	5910	8960	22300	12900	19500	26200	22100	25000
17	16500	10400	13900	20900	6470	12700	23700	17300	20500	25800	23100	24900
18	16400	8290	13600	23300	8020	14800	23700	17200	20200	26400	24500	25300
19	13100	7230	10800	9140	4850	7890	23100	17500	20300	27300	25200	26300
20	11600	5570	8520	8820	3320	6110	19100	16000	17600	28100	26400	27500
21	12200	4990	8290	7740	2610	4920	17100	9370	13100	28400	27500	28000
22	12200	5030	7930	8350	2630	4710	12900	10000	11400	28500	27200	28000
23	9070	2900	5560	10600	3190	7090	14400	12800	13600	29000	26600	28200
24	5840	1350	3670	11900	5140	7660	17000	12800	14700	31000	27600	29000
25	5220	2930	3940	12000	4920	6850	18200	13400	15800	30000	22700	26500
26	3820	2210	3130	11000	4060	7940	20800	16200	18800	25200	18800	22300
27	2210	1030	1580	16800	7230	11100	25400	17500	21800	23400	20200	21600
28	1580	919	1120	16400	7790	13100	21700	16000	19600	24200	20800	22400
29	3790	1070	1970	17700	8160	13600	22200	12700	20100	22500	19300	21300
30	4640	990	2460	15300	9470	13000	23400	17100	21000	22000	18500	20300
31	---	---	---	16200	9910	13400	24900	19200	22500	---	---	---
MONTH	17100	721	7120	23300	516	6470	25400	9370	16200	31100	16600	24700

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	25.0	23.3	24.0	26.4	25.5	26.0	18.1	16.0	17.1	---	---	---
2	26.1	24.9	25.3	26.1	20.2	23.3	16.0	14.3	15.0	---	---	---
3	25.9	25.1	25.3	20.2	18.0	18.7	15.0	14.2	14.6	---	---	---
4	25.3	24.5	25.0	18.3	17.1	17.6	15.2	14.7	14.9	---	---	---
5	25.1	23.2	24.4	19.8	17.7	18.3	15.9	14.6	15.1	---	---	---
6	23.2	21.7	22.3	22.0	19.7	20.4	17.3	15.5	16.3	---	---	---
7	21.7	20.3	20.8	23.1	21.8	22.4	19.4	17.3	18.4	---	---	---
8	21.7	19.9	20.6	22.4	18.9	20.3	18.5	16.1	17.1	---	---	---
9	22.9	21.2	21.8	18.9	16.1	17.3	---	---	---	---	---	---
10	23.1	22.0	22.5	17.7	16.3	17.1	---	---	---	---	---	---
11	22.5	20.6	21.3	18.8	16.7	17.6	---	---	---	---	---	---
12	21.7	20.1	20.9	18.5	17.2	18.0	---	---	---	---	---	---
13	22.6	21.0	21.7	18.5	17.1	17.9	---	---	---	---	---	---
14	23.3	21.8	22.5	19.2	17.8	18.6	---	---	---	---	---	---
15	23.5	22.0	22.8	19.9	18.5	19.2	---	---	---	---	---	---
16	24.9	23.0	23.7	20.0	19.3	19.6	---	---	---	---	---	---
17	26.0	24.2	24.8	20.7	19.9	20.2	---	---	---	---	---	---
18	25.5	22.8	24.6	21.5	20.4	20.9	---	---	---	---	---	---
19	22.8	20.7	21.3	22.1	21.3	21.6	---	---	---	---	---	---
20	21.6	19.9	20.8	23.0	21.6	22.2	---	---	---	---	---	---
21	22.5	20.7	21.4	23.6	22.5	23.1	---	---	---	---	---	---
22	23.0	21.9	22.3	23.4	21.1	22.2	---	---	---	---	---	---
23	22.0	18.6	19.7	21.1	19.9	20.5	---	---	---	---	---	---
24	20.2	19.1	19.7	21.5	20.2	20.8	---	---	---	---	---	---
25	21.3	20.2	20.6	21.6	17.4	19.8	---	---	---	---	---	---
26	23.6	21.3	22.1	17.4	14.3	15.5	---	---	---	---	---	---
27	24.8	23.2	24.0	14.3	12.0	12.7	---	---	---	---	---	---
28	26.9	24.5	25.2	13.6	11.9	12.6	---	---	---	---	---	---
29	26.5	25.1	25.8	15.5	13.4	14.1	---	---	---	---	---	---
30	26.5	25.5	26.0	17.9	15.5	16.6	---	---	---	---	---	---
31	26.6	25.8	26.2	---	---	---	---	---	---	---	---	---
MONTH	26.9	18.6	22.9	26.4	11.9	19.2	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	---	---	---	---	---	---	19.3	18.2	18.8	24.6	21.8	22.6
2	---	---	---	---	---	---	19.3	17.8	18.6	24.9	23.7	24.3
3	---	---	---	---	---	---	19.6	18.6	19.1	25.8	24.3	25.0
4	---	---	---	---	---	---	21.0	19.4	20.3	24.8	22.3	23.2
5	---	---	---	---	---	---	21.5	20.9	21.2	23.5	21.8	22.7
6	---	---	---	---	---	---	23.8	21.1	22.0	25.2	22.2	23.3
7	---	---	---	---	---	---	23.6	21.8	22.5	26.3	23.5	24.7
8	---	---	---	---	---	---	22.1	19.9	20.7	25.7	23.9	25.0
9	---	---	---	---	---	---	20.7	19.3	19.9	27.2	25.0	26.0
10	---	---	---	---	---	---	21.0	19.4	20.2	26.8	22.5	24.3
11	---	---	---	---	---	---	20.3	20.0	20.1	22.6	21.6	21.9
12	---	---	---	22.8	21.9	22.4	20.8	19.9	20.2	23.3	21.2	22.0
13	---	---	---	22.2	20.9	21.4	20.4	17.2	18.3	24.3	22.3	23.0
14	---	---	---	22.2	20.7	21.3	17.2	15.7	16.4	25.0	22.6	23.7
15	---	---	---	22.2	18.6	20.4	17.5	14.9	16.1	26.3	24.5	25.2
16	---	---	---	18.6	16.6	17.6	19.4	16.5	17.7	26.3	25.0	25.5
17	---	---	---	17.7	16.9	17.3	20.3	18.4	19.2	26.6	24.7	25.5
18	---	---	---	20.2	17.5	18.4	19.3	17.2	18.3	27.1	25.2	26.2
19	---	---	---	20.6	19.4	19.9	19.9	17.6	18.5	27.0	25.8	26.4
20	---	---	---	20.2	17.2	18.6	21.3	19.3	20.3	28.1	25.9	26.9
21	---	---	---	18.9	16.6	17.6	23.3	21.1	22.1	28.6	27.0	27.8
22	---	---	---	20.3	17.8	19.1	23.8	22.7	23.2	29.3	26.9	27.9
23	---	---	---	20.8	19.7	20.2	23.6	21.6	22.4	29.8	27.8	28.7
24	---	---	---	21.5	19.3	20.4	22.4	20.6	21.3	29.0	27.2	28.1
25	---	---	---	22.8	20.5	21.6	20.7	19.9	20.2	27.9	25.7	26.7
26	---	---	---	24.4	21.8	22.8	19.9	18.7	19.1	28.8	26.7	27.5
27	---	---	---	24.3	22.4	23.6	20.5	18.9	19.5	29.5	27.6	28.5
28	---	---	---	24.5	23.5	24.0	20.2	19.3	19.7	29.9	28.3	28.9
29	---	---	---	25.1	24.1	24.6	21.1	18.5	19.5	28.8	27.3	28.0
30	---	---	---	24.8	23.0	24.2	22.6	20.3	21.3	27.3	25.9	26.5
31	---	---	---	23.0	18.7	20.1	---	---	---	26.3	25.5	25.9
MONTH	---	---	---	---	---	---	23.8	14.9	19.9	29.9	21.2	25.5

MISSISSIPPI RIVER DELTA

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA---Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.5	24.9	25.7	30.5	28.8	29.7	30.5	28.0	29.4	30.9	29.8	30.5
2	27.3	25.3	26.3	31.6	29.3	30.5	29.7	27.6	28.4	31.7	30.1	30.9
3	27.7	25.7	26.7	32.2	30.1	31.2	31.2	28.9	29.5	31.6	30.1	30.8
4	28.1	26.2	27.1	32.7	30.6	31.7	30.3	29.4	29.8	30.8	30.0	30.4
5	27.8	26.3	27.0	32.3	30.2	31.5	30.9	29.4	30.0	30.1	28.9	29.4
6	27.0	26.0	26.5	31.0	29.5	30.1	30.9	29.9	30.2	28.9	27.5	28.2
7	26.9	26.0	26.4	30.8	29.4	29.9	31.1	29.6	30.3	28.3	26.6	27.4
8	26.8	26.1	26.5	30.4	29.5	29.8	30.7	29.7	30.1	29.2	27.3	28.1
9	28.0	25.7	26.7	30.4	28.7	29.4	31.5	29.1	30.0	29.6	28.2	28.8
10	28.5	26.4	27.4	31.1	29.1	29.8	31.2	29.9	30.4	29.8	28.7	29.3
11	28.4	27.2	27.8	31.4	29.9	30.6	33.3	30.4	31.4	30.2	28.6	29.3
12	29.1	27.5	28.1	31.9	30.5	31.1	32.6	30.7	31.6	30.0	28.4	29.2
13	29.6	27.6	28.5	31.2	29.4	30.3	33.0	31.1	31.8	31.5	28.8	29.7
14	30.2	28.1	29.0	31.1	28.6	29.4	32.7	31.3	31.9	31.3	29.6	30.3
15	31.0	29.1	29.8	31.4	29.0	30.1	32.8	30.9	31.7	31.7	29.8	30.5
16	31.0	29.4	30.2	31.1	29.5	30.3	32.2	30.5	31.4	31.5	29.8	30.6
17	30.4	29.0	29.7	30.0	27.1	28.5	32.9	30.6	31.6	31.0	29.9	30.4
18	29.0	27.5	28.2	27.3	25.7	26.2	33.9	31.5	32.3	30.8	29.5	30.3
19	28.2	27.2	27.6	28.4	25.5	26.7	34.2	31.6	32.7	30.8	29.3	30.1
20	29.5	27.3	28.3	29.3	27.7	28.4	32.9	31.8	32.3	30.2	28.8	29.4
21	30.2	28.4	29.2	30.1	28.3	29.1	32.4	30.7	31.6	30.2	28.7	29.4
22	31.6	29.0	29.9	30.0	29.1	29.6	31.4	29.8	30.5	30.7	29.2	29.8
23	31.1	29.4	30.0	29.8	28.6	29.2	30.5	29.1	29.6	29.8	28.8	29.4
24	30.3	29.1	29.6	30.6	28.4	29.2	29.5	27.6	28.5	29.2	28.1	28.7
25	29.7	28.3	28.7	31.6	29.6	30.5	29.5	27.4	28.4	28.6	26.0	27.5
26	28.7	27.9	28.3	31.3	30.1	30.7	29.7	28.3	28.9	26.0	24.8	25.5
27	29.0	28.1	28.4	31.2	29.7	30.2	30.1	28.4	29.2	26.7	24.9	25.9
28	29.7	28.0	28.7	32.5	30.3	31.0	30.7	29.0	29.8	27.9	25.6	26.4
29	30.2	28.6	29.2	31.6	30.1	30.9	31.5	29.5	30.3	27.3	26.3	26.6
30	30.1	28.9	29.4	31.0	29.4	30.1	32.2	30.1	30.9	28.3	26.6	27.3
31	---	---	---	31.3	29.6	30.3	31.9	30.6	31.0	---	---	---
MONTH	31.6	24.9	28.2	32.7	25.5	29.9	34.2	27.4	30.5	31.7	24.8	29.0

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA

LOCATION.--Lat 29°16' 32", long 89°56' 29", Jefferson Parish, Hydrologic Unit 08090301, on a walkway near the Grand Terre Marine Lab on Grand Terre Island, 1.0 mi east of Grand Isle.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.05 ft, July 18, 1997 (Hurricane Danny); minimum recorded, -1.45 ft, Jan. 19, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.05 ft, July 18; minimum, -0.71 ft, Jan. 18.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.77	.70	1.21	1.64	.83	1.22	2.78	.81	1.25	.80	.43	.61
2	1.87	.92	1.38	1.54	.22	.73	1.36	.80	1.09	.81	.31	.54
3	2.02	1.03	1.48	1.09	.44	.78	1.29	.59	.86	1.04	.31	.67
4	2.51	1.41	1.89	1.14	.64	.90	1.27	.45	.85	1.42	.26	.83
5	2.92	1.95	2.44	1.19	.87	1.03	1.16	.70	1.02	1.40	.33	.84
6	2.83	2.12	2.54	1.42	1.19	1.27	1.52	.52	.99	1.73	.16	.93
7	2.88	1.97	2.43	1.91	1.18	1.45	1.45	.60	.99	1.74	.09	.97
8	2.67	1.44	2.08	1.18	.43	.67	1.25	-.19	.55	2.10	.21	1.09
9	1.82	1.44	1.61	1.35	.01	.70	1.24	-.17	.54	1.26	-.07	.51
10	1.50	.94	1.07	.91	.06	.47	1.24	-.22	.42	1.47	-.40	.36
11	1.40	.81	1.05	1.28	-.09	.60	1.53	-.28	.59	.92	-.51	.22
12	1.44	.82	1.10	1.24	-.24	.43	1.48	-.19	.67	.86	-.20	.30
13	1.72	.77	1.22	1.26	-.12	.57	1.11	-.31	.39	.77	-.14	.26
14	1.84	.64	1.23	1.61	-.10	.65	1.14	-.17	.49	.60	.07	.36
15	1.92	.58	1.22	2.43	.55	1.29	1.15	.17	.63	1.33	.23	.93
16	2.06	.69	1.34	2.66	1.52	2.08	1.15	.66	.88	.45	-.48	.11
17	2.18	.85	1.48	2.66	1.32	1.83	.91	.54	.69	.64	-.63	.06
18	2.04	.38	1.24	2.05	1.47	1.75	.75	-.06	.54	.36	-.71	-.18
19	1.76	.60	1.21	1.86	1.48	1.64	.31	-.39	-.04	.69	-.63	.03
20	1.79	.64	1.24	1.94	1.55	1.73	.67	-.61	.05	.77	-.70	.00
21	1.65	.89	1.29	1.86	1.18	1.64	.99	-.34	.35	1.01	-.23	.37
22	1.77	.85	1.41	1.86	.70	1.31	1.24	-.12	.55	1.15	.03	.57
23	1.26	.65	.99	1.97	.85	1.40	1.39	-.05	.65	1.26	-.01	.58
24	1.58	1.07	1.32	2.39	.67	1.48	1.06	-.02	.52	1.32	.32	.82
25	2.10	1.08	1.56	1.84	.73	1.22	1.19	-.46	.35	1.01	.11	.62
26	2.06	1.06	1.61	1.37	-.05	.73	1.35	.15	.72	1.32	.23	.72
27	2.03	.79	1.42	1.35	-.05	.62	1.17	.11	.67	1.21	.55	.83
28	1.94	.67	1.25	1.59	-.02	.72	1.11	.06	.59	1.17	.36	.68
29	1.90	.69	1.28	2.13	.72	1.28	1.04	.42	.71	.82	.30	.57
30	1.88	.60	1.16	2.78	1.26	1.74	.82	.27	.54	.62	.20	.42
31	1.73	.47	1.05	---	---	---	.72	.40	.57	.64	.16	.42
MONTH	2.92	.38	1.45	2.78	-.24	1.13	2.78	-.61	.63	2.10	-.71	.52

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.07	.07	.57	1.49	.53	1.08	1.24	.01	.65	1.25	.44	.89
2	1.11	.13	.58	1.49	.36	1.01	1.18	.28	.73	1.47	.96	1.26
3	1.17	.21	.66	1.31	.19	.79	1.28	.19	.83	1.37	.81	1.09
4	1.60	.04	.83	1.28	.18	.77	1.72	.87	1.30	1.02	.58	.77
5	1.34	-.36	.48	1.32	.13	.75	2.11	1.38	1.70	1.34	.36	.89
6	1.42	-.16	.62	.94	-.55	.23	1.65	1.00	1.25	1.39	.36	.88
7	1.74	.16	.83	1.25	.04	.62	1.37	.51	.96	1.41	.10	.83
8	1.22	-.23	.25	1.08	.21	.61	1.57	.62	1.13	1.69	.28	1.02
9	.67	-.11	.26	1.01	.36	.59	1.63	.31	1.06	1.47	.28	.91
10	.65	-.03	.16	1.00	.43	.71	1.58	.40	1.07	1.58	.37	.97
11	.51	.10	.29	.91	.45	.69	2.23	.74	1.44	1.64	.42	1.08
12	1.37	.40	.80	1.10	.62	.86	1.83	.52	1.28	1.59	.59	1.11
13	1.68	.62	1.16	1.84	.84	1.34	1.38	.42	.90	1.23	.57	.90
14	1.33	.14	.80	1.49	.33	1.08	1.26	.39	.83	1.00	.46	.74
15	.91	-.08	.43	1.19	.16	.70	1.01	.26	.69	.81	.44	.62
16	.77	-.28	.27	1.05	.04	.63	.89	.41	.66	.91	.45	.69
17	.54	-.39	.12	1.21	.22	.79	.71	.19	.54	1.02	.63	.82
18	.78	-.25	.27	1.27	.37	.86	.61	.07	.41	1.00	.57	.76
19	1.00	-.11	.45	1.12	.53	.85	.67	.47	.57	1.27	.63	.92
20	1.35	.20	.78	.99	.29	.65	.98	.54	.76	1.28	.18	.78
21	1.26	.78	1.00	.71	.21	.49	1.40	.71	1.03	1.24	.08	.67
22	1.10	-.05	.42	.60	.43	.50	1.37	.62	1.01	1.27	.03	.69
23	.93	.17	.56	.79	.35	.59	1.43	.42	.95	1.29	-.09	.65
24	.86	.35	.56	.89	.50	.64	1.42	.35	.92	1.58	-.07	.84
25	.89	.68	.77	1.13	.55	.86	1.93	.54	1.33	1.61	.19	.91
26	1.25	.88	1.05	1.29	.34	.75	2.47	1.19	1.70	1.45	.19	.84
27	1.06	.58	.86	1.09	.51	.80	2.66	1.03	2.01	1.29	.19	.78
28	1.18	.55	.87	1.38	.41	.95	1.75	.13	1.14	1.09	.20	.68
29	---	---	---	1.16	.06	.68	1.21	.08	.72	1.03	.35	.78
30	---	---	---	1.25	-.23	.62	1.31	.40	.89	1.24	.84	.98
31	---	---	---	1.01	-.32	.44	---	---	---	1.32	.63	.92
MONTH	1.74	-.39	.60	1.84	-.55	.74	2.66	.01	1.02	1.69	-.09	.86
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.04	.37	.68	---	---	---	1.47	.02	.77	1.20	.49	.86
2	1.02	.04	.54	---	---	---	1.47	.38	.90	1.22	.58	.90
3	1.16	.39	.81	---	---	---	1.53	.39	.98	1.03	.58	.86
4	1.14	.58	.86	---	---	---	1.35	.35	.87	1.02	.85	.93
5	1.22	.61	.91	---	---	---	1.04	.37	.69	1.39	.92	1.09
6	1.28	.67	.98	---	---	---	1.33	.39	.74	1.74	1.35	1.51
7	1.25	.61	.96	---	---	---	.89	.55	.74	1.75	1.13	1.39
8	1.17	.62	.93	---	---	---	.95	.60	.80	1.75	1.04	1.39
9	1.21	.77	1.01	---	---	---	1.03	.66	.85	1.81	.83	1.30
10	1.41	.86	1.16	.95	.35	.70	1.09	.38	.71	1.74	.53	1.13
11	1.32	1.02	1.18	.76	.46	.59	1.02	.28	.66	1.75	.50	1.14
12	1.28	1.02	1.16	.85	.27	.62	1.02	.16	.65	1.66	.54	1.12
13	1.24	1.05	1.14	.94	.45	.70	---	---	---	1.68	.45	1.07
14	1.21	.89	1.03	1.26	.46	.85	---	---	---	1.62	.46	1.07
15	1.11	.79	.95	1.49	.38	.96	1.42	-.01	.73	1.57	.76	1.12
16	1.20	.79	.99	1.63	.29	.96	1.63	.11	.88	1.49	.90	1.16
17	1.22	.68	1.01	2.89	.82	1.48	1.65	.13	.93	1.37	.90	1.17
18	1.42	.57	1.00	4.05	-.04	1.51	1.47	.23	.88	1.37	.87	1.15
19	1.25	.55	.92	1.48	-.11	.72	1.41	.39	.90	1.72	.79	1.20
20	1.21	.53	.88	1.38	-.33	.64	1.13	.45	.84	1.72	.82	1.27
21	1.24	.53	.90	1.27	-.16	.58	.83	.59	.72	1.72	.54	1.07
22	1.22	.50	.88	1.20	-.04	.61	1.04	.60	.75	1.54	.37	.97
23	1.13	.52	.84	1.07	.18	.67	1.15	.42	.79	1.62	.44	1.04
24	1.27	.53	.86	.78	.41	.63	1.27	.46	.90	1.62	.61	1.16
25	1.15	.60	.89	.76	.48	.62	1.37	.29	.87	1.54	.39	.95
26	1.00	.75	.88	.90	.35	.63	1.59	.54	1.09	1.35	.32	.86
27	---	---	---	1.04	.12	.62	1.68	.50	1.08	1.17	.60	.88
28	---	---	---	1.14	.14	.65	1.42	.35	.91	1.18	.59	.90
29	---	---	---	1.26	.04	.64	1.46	.31	.90	.80	.46	.64
30	---	---	---	1.36	.03	.72	1.35	.47	.90	.70	.44	.56
31	---	---	---	1.44	.02	.77	1.37	.39	.95	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	1.81	.32	1.06

MISSISSIPPI RIVER DELTA
073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURES: July 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 53,600 microsiemens, Aug. 24, 1997; minimum daily, 3,330 microsiemens, July 13, 1997.

WATER TEMPERATURES: Maximum daily, 36.5° C, June 26, 1996; minimum daily, 2.5° C, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 53,600 microsiemens, Aug. 24; minimum daily, 3,330 microsiemens, July 13.

WATER TEMPERATURE: Maximum daily, 34.5° C, July 28; minimum daily mean, 5.0° C, Dec. 20.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	39500	36000	37700	42200	41900	42100	45100	41000	41700	22600	18300	20400
2	39700	38000	38600	42000	41800	41900	44100	41300	42800	23100	19800	21100
3	39900	38200	38500	41800	39800	40500	43100	37900	41500	23500	21500	22800
4	40200	39100	39300	40300	39800	40000	39000	36800	37600	23500	23100	23300
5	40300	38800	39700	43400	40300	40800	41600	38500	41000	23400	21400	22600
6	41600	39800	40700	45100	43300	44500	42100	40800	41600	21800	20100	21100
7	41200	40000	40800	45200	43600	44900	42100	39900	40700	20500	16700	19400
8	40700	40100	40400	43600	40700	41900	40000	34500	37800	32700	17000	24900
9	40500	39800	40100	40800	37400	39500	39400	33800	35700	26800	23600	24800
10	40200	38200	39500	39400	36400	37900	40600	38900	39600	46100	22700	31700
11	38300	37500	38000	41500	37200	39300	40500	37600	39900	41300	23200	31500
12	42800	37700	39400	41900	40500	41100	37600	32000	34600	30200	23400	27200
13	44900	40800	42400	42100	41700	41900	32000	28700	30500	34600	29500	31900
14	45200	43200	44100	42300	41700	41900	30500	28900	29700	44800	32800	36000
15	45200	44700	44900	42700	42200	42400	29400	27200	28600	49900	44800	48700
16	45000	44800	44900	43300	42500	42900	28000	27000	27400	45500	43700	44600
17	45000	44900	44900	42500	40400	41800	27300	27100	27200	43700	36200	39500
18	44900	44000	44400	40400	39500	39900	27200	27000	27100	36400	32400	34700
19	44300	42800	44000	39500	39100	39200	27600	27100	27300	41300	26400	34100
20	42800	42000	42400	39400	39100	39200	38100	27600	30800	41600	27600	33500
21	43800	42600	43000	39400	39200	39300	46300	36200	43300	41800	39300	40600
22	43900	43600	43800	39700	39400	39600	46300	45700	46000	41800	30600	39600
23	44000	43100	43700	40500	39400	40100	45700	42700	44700	34300	28600	32200
24	43100	42900	43000	41100	40500	40800	42800	38200	39900	34200	30100	32200
25	43300	43000	43100	41000	40600	40800	38500	35800	37500	30100	29700	29900
26	44300	43200	43800	41400	41000	41200	38700	35800	37300	39100	30000	32000
27	44500	44000	44300	41500	38300	40400	38700	34600	36500	40000	37500	39200
28	44300	43400	44000	41500	38200	39200	37000	33400	35200	38100	33800	35300
29	43700	42800	43500	45000	41400	43300	33400	30600	32000	33800	32700	33200
30	43000	42200	42800	45400	44700	44900	30600	27500	29800	32700	32100	32400
31	42200	41900	42100	---	---	---	27500	22400	24900	41700	27800	34200
MONTH	45200	36000	42000	45400	36400	41100	46300	22400	35800	49900	16700	31400

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	43100	31300	39500	33800	31200	32700	22700	20000	21300	46300	21100	33400
2	42900	34700	41200	31300	27000	29600	25600	21200	24500	33400	25400	29100
3	41800	35200	38200	30300	25500	27500	27800	25400	27100	25400	20800	22500
4	35200	29400	32900	29600	28200	28900	28800	27800	28300	22100	21600	21800
5	29900	27000	28500	29700	28500	29400	29200	28700	29000	32800	21400	29800
6	29100	26900	27800	28600	23600	27300	29000	27300	28100	32700	30600	31500
7	33800	28600	31700	38800	23600	31300	28100	27500	27700	31200	29800	30200
8	33500	31900	32800	38200	35300	37400	27800	25500	26600	29900	29200	29500
9	31900	27300	28900	38100	30500	36500	26900	25900	26400	29400	28900	29100
10	27700	27300	27400	36100	25100	33600	26200	25900	26100	29000	28100	28500
11	36800	27700	30300	32400	25100	31300	26300	24700	25700	28300	25500	26900
12	37500	36800	36900	32200	28700	29700	25600	24600	25100	27200	26200	26600
13	38600	36000	37600	29500	25400	27200	24900	24100	24700	27000	25200	26400
14	36000	30100	34000	25400	20600	22000	25100	24900	25000	31700	24000	28700
15	30100	28700	29200	21500	20700	21300	25200	21500	23500	31200	23200	25900
16	32200	25300	29000	21900	21400	21800	24000	21900	23200	26900	21900	23500
17	27900	25000	26700	22500	21900	22300	24000	18500	19800	26900	25500	26000
18	31900	27200	29100	23800	22500	23200	28000	18600	21200	26200	25800	26000
19	32600	30900	31700	24000	22500	23400	28400	24400	26500	26100	25800	26000
20	33400	32400	32900	22600	19400	21300	28200	22100	25200	26000	25700	25900
21	33400	30200	32600	40600	17200	24900	29400	27400	28800	25900	24600	25500
22	30200	29400	29600	34900	21300	27000	33500	28100	31200	25500	20000	21800
23	29500	29300	29500	39300	22800	26800	32100	24500	28000	24900	22600	23800
24	30200	29200	29400	40300	39300	39900	35400	24400	28600	25600	23500	24800
25	37900	30200	33300	39700	35300	37000	35000	33400	34700	23800	21200	22100
26	38000	37700	37900	35300	30100	31400	34800	31300	33400	21900	21400	21700
27	37800	37300	37600	30900	22600	25000	32500	30800	31600	22300	21000	21800
28	37300	33600	35200	25400	24800	25100	32900	30700	31900	22200	15900	19900
29	---	---	---	25200	24900	25100	34000	23900	29100	18700	17600	17900
30	---	---	---	25300	22800	24300	46400	26500	38500	17800	17300	17600
31	---	---	---	23300	22200	22800	---	---	---	17400	12400	14200
MONTH	43100	25000	32600	40600	17200	28000	46400	18500	27400	46300	12400	25100
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	12400	10100	12000	---	---	---	30800	17200	26600	46800	26200	35400
2	25700	8400	14100	---	---	---	42800	26600	32400	43800	26500	35000
3	34400	12400	20400	---	---	---	43900	25000	31900	42200	27600	35800
4	28200	13500	18500	---	---	---	43900	28000	32400	44200	25000	35300
5	31800	15400	25400	---	---	---	42400	31400	35100	40800	26900	36300
6	31000	27000	28800	---	---	---	42900	31600	37500	45000	23800	35300
7	28500	26800	28000	---	---	---	45500	22600	34500	47400	25400	35200
8	27800	25300	26700	---	---	---	46700	34200	37300	36200	28200	33700
9	26200	21800	23900	---	---	---	46200	33500	36400	39600	32200	35200
10	23600	19300	21100	33900	10900	20200	38900	32300	34300	40800	32500	35500
11	22700	20400	21300	23100	9200	17500	35700	23100	31700	49200	31100	35700
12	23300	19100	21600	24900	8430	16800	33400	28800	31400	42300	33200	35800
13	21700	20500	21500	18700	3330	14000	---	---	---	40600	29200	35200
14	23100	21600	21900	40600	12800	25000	---	---	---	42900	32500	35700
15	23100	21800	22000	30500	17900	27700	43700	29200	35800	38200	30600	35300
16	34200	20300	30500	39400	25700	29800	45700	24400	36200	39300	29200	34200
17	33600	30900	32200	31200	22000	26600	42900	30600	37300	36400	24100	31900
18	31400	24100	27000	28400	14000	19100	39000	31000	33500	43900	29600	33700
19	24600	20000	21500	26000	13300	17400	46300	29300	32600	46600	25000	33600
20	22600	21000	21800	33200	16500	21600	33800	20900	31100	38200	25900	32000
21	22200	20300	21900	41600	25000	32900	32500	27700	30700	40000	27100	33300
22	23500	21300	21900	48600	24600	35000	37500	22000	31600	42900	23500	32300
23	21700	16700	18400	43500	20200	33600	45500	24200	37800	33700	22700	31200
24	18500	14800	16800	38900	24300	30800	53600	35200	39500	40800	25800	32300
25	19000	16700	17300	40100	23300	30900	46100	26400	37300	38800	23900	32300
26	17900	17000	17300	40100	19200	31300	39800	29900	37400	40000	27700	31800
27	---	---	---	50400	21200	37200	40300	31100	37600	37700	20600	31600
28	---	---	---	48500	30200	40700	39700	34500	37400	42500	26300	33800
29	---	---	---	45700	27300	38100	41200	27300	35400	38600	28800	34800
30	---	---	---	44600	28700	35200	41800	27300	35700	40800	30500	36400
31	---	---	---	41700	21000	31600	39800	32500	35100	---	---	---
MONTH	34400	8400	22100	---	---	---	53600	17200	34600	49200	20600	34200

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.6	24.1	25.0	26.7	25.5	26.0	19.9	16.9	18.3	18.4	17.7	18.2
2	28.6	25.6	26.9	25.8	19.0	22.8	16.9	14.5	15.4	18.5	17.4	18.0
3	27.4	25.9	26.4	19.0	16.2	17.0	16.9	14.2	15.5	18.2	17.5	17.8
4	26.3	25.0	25.7	18.5	16.0	17.1	16.6	14.9	15.4	19.6	17.8	18.7
5	26.0	23.3	24.2	20.7	18.3	19.1	17.6	15.2	16.6	20.9	19.5	20.3
6	23.3	21.4	22.1	22.5	20.6	21.6	18.5	17.0	17.4	20.7	17.2	19.1
7	21.7	20.2	20.9	23.9	22.5	23.2	20.9	17.8	19.5	17.2	13.6	15.2
8	24.2	19.3	21.8	22.6	17.6	19.8	19.3	15.5	16.9	16.4	13.5	14.7
9	24.9	22.8	23.8	18.3	15.7	17.1	16.8	14.3	15.6	15.2	11.0	13.1
10	25.5	22.8	23.9	19.0	15.7	17.4	19.0	16.4	17.4	17.0	9.6	12.7
11	23.6	21.4	22.2	20.6	17.5	18.9	19.4	17.6	18.3	14.6	9.8	11.3
12	22.9	20.0	21.6	19.9	18.1	19.1	20.8	18.3	19.5	9.8	8.1	9.0
13	24.2	21.0	22.6	19.3	17.5	18.5	19.9	19.0	19.4	8.1	6.4	7.2
14	24.3	22.3	23.5	19.9	17.9	19.1	19.6	18.3	18.9	9.4	5.8	7.2
15	24.2	22.7	23.6	20.3	18.8	19.7	19.6	17.7	18.7	15.1	9.4	13.6
16	25.6	23.4	24.4	20.3	19.0	19.9	19.2	16.0	18.3	14.6	9.9	12.5
17	26.5	24.6	25.5	22.0	20.1	21.0	16.0	14.4	15.0	9.9	6.2	7.6
18	26.3	22.6	24.9	23.5	21.2	22.3	14.4	9.0	12.4	8.4	5.8	7.1
19	22.6	20.0	21.0	23.2	22.4	22.8	9.0	6.2	7.0	11.5	6.2	8.7
20	21.4	19.6	20.4	23.1	22.5	22.8	12.0	5.0	8.0	12.6	9.3	11.0
21	22.5	20.5	21.3	23.7	22.5	23.1	14.3	10.3	13.0	13.9	12.0	13.0
22	23.5	21.9	22.5	23.7	20.3	22.0	15.7	13.8	14.7	16.5	13.6	15.0
23	22.3	19.3	20.5	20.3	19.0	19.7	17.5	15.1	16.2	15.8	15.1	15.4
24	20.7	19.4	20.1	21.6	19.6	20.6	17.7	14.9	16.8	17.3	15.2	16.4
25	22.4	20.6	21.3	21.4	17.0	19.4	14.9	11.5	12.7	17.8	16.1	17.2
26	24.2	22.4	23.2	17.0	12.9	14.7	13.9	11.3	12.4	16.2	15.2	15.6
27	26.0	23.8	24.9	12.9	11.4	12.2	15.2	13.9	14.7	18.8	16.0	17.2
28	27.3	25.0	26.0	15.6	11.7	13.4	16.9	14.5	15.6	18.2	14.6	16.7
29	27.1	25.5	26.3	17.8	15.4	16.5	17.2	16.5	16.9	14.6	12.7	13.4
30	27.1	25.5	26.4	19.9	17.8	18.7	18.0	16.5	17.2	13.5	12.2	12.8
31	26.8	25.8	26.4	---	---	---	18.6	16.6	17.6	15.6	11.8	13.8
MONTH	28.6	19.3	23.5	26.7	11.4	19.5	20.9	5.0	15.8	20.9	5.8	13.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.6	14.4	15.7	22.6	19.4	20.8	18.8	17.7	18.2	23.7	21.0	22.1
2	17.0	16.2	16.7	22.0	21.3	21.7	19.9	17.7	18.9	26.1	22.1	23.8
3	18.8	16.9	17.8	21.3	18.8	19.7	20.1	18.8	19.5	27.2	24.1	25.5
4	18.3	17.4	18.0	19.9	18.4	19.2	21.4	19.8	20.6	25.3	22.6	23.7
5	18.0	16.2	17.1	23.2	19.9	21.2	21.5	20.9	21.3	25.7	22.0	23.8
6	16.2	14.2	15.1	22.5	16.8	19.4	23.2	21.2	21.9	25.8	23.2	24.2
7	15.4	13.9	14.6	17.8	15.5	16.7	23.6	21.4	22.5	26.8	24.0	25.0
8	15.1	11.6	13.5	20.1	16.6	18.2	22.7	20.0	20.8	26.3	24.4	25.2
9	11.7	10.9	11.3	23.4	18.5	20.5	21.5	18.8	20.1	27.7	25.0	26.0
10	12.0	10.5	11.2	23.9	20.1	21.5	21.7	20.0	20.8	26.9	22.8	24.6
11	13.3	9.8	11.2	22.7	21.4	22.1	21.2	20.4	20.8	22.8	21.0	21.6
12	13.1	12.6	12.7	23.6	22.2	22.7	21.7	20.0	20.4	23.8	20.9	22.0
13	15.5	13.1	14.3	22.3	20.8	21.3	21.5	17.3	18.9	25.1	21.9	23.1
14	15.5	11.9	13.8	24.8	19.8	22.1	17.3	15.7	16.2	24.5	22.5	23.5
15	12.2	10.4	11.5	23.6	18.6	20.9	18.0	15.0	16.4	25.6	23.4	24.6
16	13.1	10.8	12.0	18.6	17.2	17.9	19.3	16.7	17.8	26.5	24.2	25.3
17	14.0	12.2	13.1	17.9	16.7	17.3	21.1	17.2	19.1	26.4	24.3	25.3
18	14.5	13.2	13.9	19.2	17.5	18.4	19.4	17.3	18.1	27.5	24.9	25.9
19	16.9	14.5	15.5	21.7	18.7	20.2	19.4	17.0	18.4	26.8	25.6	26.1
20	18.6	16.0	17.4	21.2	17.2	19.0	20.9	19.4	20.0	28.3	25.4	26.6
21	20.0	18.3	19.1	21.3	16.5	18.2	24.6	20.6	22.3	28.7	27.1	27.8
22	19.3	16.6	17.7	20.4	18.0	19.1	24.2	22.2	23.2	28.9	26.4	27.7
23	16.6	14.3	15.3	21.7	19.6	20.5	24.4	20.5	22.4	29.0	27.8	28.3
24	14.6	14.1	14.3	23.7	20.5	21.8	22.3	20.2	21.3	28.2	26.8	27.6
25	15.9	14.4	15.0	25.4	21.1	23.0	20.6	19.5	19.9	27.2	25.1	26.1
26	18.3	15.9	17.1	25.0	22.3	23.7	19.7	18.5	18.9	28.7	26.2	27.2
27	19.5	18.1	18.7	24.0	22.0	23.2	22.4	18.7	19.7	28.4	27.1	27.8
28	19.7	18.9	19.3	25.1	23.2	24.0	22.4	19.9	20.5	29.0	27.2	28.0
29	---	---	---	25.9	24.0	24.9	21.8	18.4	20.1	27.4	26.3	26.8
30	---	---	---	25.0	22.4	24.1	22.5	20.9	21.8	26.3	25.3	25.8
31	---	---	---	22.4	18.6	19.5	---	---	---	26.7	25.0	25.8
MONTH	20.0	9.8	15.1	25.9	15.5	20.7	24.6	15.0	20.0	29.0	20.9	25.4

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	28.5	24.2	26.1	---	---	---	31.4	28.3	30.1	32.0	30.0	31.0
2	29.3	25.2	27.3	---	---	---	29.8	27.3	28.5	32.1	30.1	31.0
3	30.5	25.5	27.4	---	---	---	32.0	28.9	30.1	31.8	30.0	30.9
4	28.5	25.6	27.1	---	---	---	30.7	29.5	30.1	30.9	29.6	30.3
5	28.2	26.2	27.4	---	---	---	30.5	28.4	29.4	30.4	29.0	29.7
6	27.5	25.9	26.5	---	---	---	30.5	29.1	29.6	29.5	28.2	28.9
7	27.9	25.8	26.6	---	---	---	30.9	28.4	29.7	29.8	27.0	28.2
8	27.9	26.0	26.7	---	---	---	30.5	30.1	30.3	29.3	27.1	28.2
9	28.8	25.6	27.0	---	---	---	33.4	29.5	30.8	30.5	27.8	28.7
10	29.2	26.2	27.5	31.6	28.8	30.3	33.3	31.0	31.9	30.2	28.5	29.3
11	29.4	27.0	27.9	33.3	30.1	31.6	33.3	30.8	32.0	30.9	28.5	29.5
12	29.1	27.8	28.4	34.3	31.1	32.4	33.7	30.9	32.1	30.5	28.9	29.7
13	29.8	28.0	28.9	32.3	29.6	30.6	---	---	---	31.1	29.1	30.0
14	31.1	28.1	29.4	31.0	28.6	29.8	---	---	---	31.6	29.6	30.6
15	31.7	29.5	30.5	32.4	29.8	30.9	33.1	30.9	31.8	31.6	30.2	30.9
16	30.8	28.1	29.5	31.6	30.2	30.9	32.5	30.8	31.5	31.5	30.1	30.7
17	30.7	28.9	29.8	30.7	26.7	28.8	33.5	30.5	31.7	30.5	28.5	29.7
18	29.3	27.2	27.9	27.6	25.3	26.1	33.5	30.6	32.1	30.8	29.2	29.9
19	27.4	26.8	27.0	31.5	25.2	27.6	33.7	31.6	32.5	30.4	28.9	29.6
20	29.7	26.7	27.9	31.9	27.8	29.7	33.7	31.5	32.5	30.2	28.3	29.2
21	30.5	28.1	29.1	31.3	27.6	29.2	33.4	30.8	32.0	31.0	28.5	29.7
22	32.5	28.6	29.9	31.1	28.0	29.4	32.3	29.8	30.8	30.8	29.0	30.1
23	32.6	28.7	30.6	30.9	28.2	29.0	30.5	28.8	30.0	30.0	28.9	29.4
24	31.3	29.4	30.1	31.4	28.6	29.6	30.2	27.8	29.2	29.8	28.2	29.0
25	29.8	28.3	28.7	32.0	29.9	30.9	30.1	27.5	28.8	29.0	26.2	27.8
26	28.9	27.8	28.4	31.6	29.3	30.2	30.6	28.4	29.4	26.9	24.5	25.7
27	---	---	---	33.6	29.1	30.6	31.7	28.6	29.9	28.0	25.3	26.5
28	---	---	---	34.5	29.8	31.5	32.6	29.0	30.6	28.1	25.9	27.0
29	---	---	---	32.8	29.7	30.9	32.4	29.6	31.0	27.9	26.1	27.0
30	---	---	---	32.8	29.1	30.7	31.8	30.4	31.3	28.6	26.5	27.5
31	---	---	---	32.3	30.4	31.2	33.0	30.5	31.5	---	---	---
MONTH	32.6	24.2	28.2	---	---	---	33.7	27.3	30.7	32.1	24.5	29.2

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA

LOCATION.--Lat 29°31'03", long 90°10'53", T. 19 S., R. 22 E., Lafourche Parish, Hydrologic Unit 08090301, on platform in Little Lake, 9.3 mi southeast of Cutoff.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 5.08 ft, Aug. 26, 1992; minimum recorded, -0.81 ft, Dec. 8, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum recorded elevation, 2.68 ft, July 18; minimum recorded, -0.55 ft, Nov. 11.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.40	.93	1.17	1.39	.79	1.07	1.18	.58	.89	---	---	---
2	1.47	1.04	1.26	1.64	.64	1.11	1.04	.49	.77	---	---	---
3	1.53	.98	1.27	1.02	.01	.50	.99	.24	.62	---	---	---
4	1.81	1.22	1.57	.48	.05	.27	.75	.35	.61	---	---	---
5	2.51	1.81	2.25	.44	.12	.27	.75	.42	.59	---	---	---
6	2.35	1.91	2.17	.79	.44	.62	.63	.28	.41	---	---	---
7	1.93	1.18	1.61	.91	.71	.78	.69	.15	.45	---	---	---
8	1.70	1.34	1.54	1.14	.09	.65	.69	.19	.41	---	---	---
9	1.36	1.19	1.28	.57	-.26	.24	.77	.13	.42	---	---	---
10	1.30	.81	1.02	.62	-.48	-.01	.83	-.01	.42	---	---	---
11	1.05	.74	.88	.69	-.55	-.07	.93	.14	.55	---	---	---
12	1.14	.83	1.01	.97	-.37	.35	1.00	.18	.58	---	---	---
13	1.28	.93	1.10	.53	-.48	.00	.81	.19	.48	---	---	---
14	1.37	.96	1.16	.30	-.46	-.08	1.04	.25	.70	---	---	---
15	1.45	.93	1.18	.67	.08	.33	1.17	.28	.74	---	---	---
16	1.55	1.05	1.31	1.15	.67	.97	1.37	.52	.79	---	---	---
17	1.93	1.18	1.53	1.19	.46	.83	1.72	1.15	1.45	---	---	---
18	2.26	1.17	1.71	.71	.29	.51	1.21	.82	.95	---	---	---
19	1.48	.81	1.18	.53	.27	.41	1.00	-.34	.35	---	---	---
20	1.39	.92	1.16	.56	.25	.36	.20	-.38	-.09	---	---	---
21	1.44	1.11	1.29	.56	.15	.30	.54	-.21	.09	---	---	---
22	1.85	1.31	1.62	.43	-.08	.18	.73	-.02	.31	---	---	---
23	1.78	.91	1.19	.53	.00	.25	.79	.06	.42	---	---	---
24	1.36	1.05	1.20	.55	-.04	.25	.81	.05	.32	---	---	---
25	1.70	1.17	1.36	.68	.32	.49	---	---	---	---	---	---
26	1.81	1.22	1.54	.68	-.26	.17	---	---	---	---	---	---
27	1.80	1.18	1.46	.33	-.26	.06	---	---	---	---	---	---
28	1.68	.99	1.31	.32	-.37	.01	---	---	---	---	---	---
29	1.57	.96	1.26	.63	.04	.32	---	---	---	---	---	---
30	1.53	.88	1.17	1.05	.39	.67	---	---	---	---	---	---
31	1.36	.77	1.06	---	---	---	---	---	---	.84	.50	.69
MONTH	2.51	.74	1.35	1.64	-.55	.39	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA
07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.06	.52	.79	---	---	---	---	---	---	---	---	---
2	1.08	.56	.84	---	---	---	---	---	---	---	---	---
3	1.10	.65	.92	---	---	---	---	---	---	---	---	---
4	1.25	.53	.92	---	---	---	---	---	---	---	---	---
5	1.28	.85	1.04	---	---	---	---	---	---	---	---	---
6	1.28	.78	.99	---	---	---	---	---	---	---	---	---
7	1.29	.77	1.00	---	---	---	---	---	---	---	---	---
8	1.13	.30	.63	---	---	---	---	---	---	---	---	---
9	.63	.24	.44	---	---	---	---	---	---	---	---	---
10	.52	.07	.27	---	---	---	---	---	---	---	---	---
11	.51	.03	.31	---	---	---	---	---	---	---	---	---
12	1.41	.49	.84	1.46	.91	1.24	---	---	---	---	---	---
13	1.42	.99	1.21	1.84	1.41	1.65	---	---	---	---	---	---
14	1.07	.55	.76	1.48	1.10	1.30	---	---	---	---	---	---
15	.67	.29	.47	1.15	.91	1.01	---	---	---	---	---	---
16	.68	.24	.45	1.06	.67	.89	---	---	---	---	---	---
17	.53	.15	.36	1.17	.66	.90	---	---	---	---	---	---
18	.73	.10	.37	1.17	.71	.95	---	---	---	---	---	---
19	.90	.26	.52	1.14	.81	.92	---	---	---	---	---	---
20	1.12	.64	.81	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	1.40	.80	1.16	1.41	.74	1.06	1.28	.89	1.10
2	---	---	---	1.30	.58	1.00	1.33	.72	1.03	1.35	.92	1.16
3	---	---	---	1.01	.51	.76	1.41	.87	1.14	1.17	.82	1.00
4	---	---	---	1.06	.38	.71	1.26	.84	1.04	1.22	.91	1.04
5	1.36	.63	1.05	1.41	.45	.87	1.10	.73	.89	1.57	1.04	1.24
6	1.72	.93	1.33	1.48	.65	1.06	1.25	.71	.93	2.18	1.57	1.87
7	1.69	1.04	1.38	1.38	.87	1.11	1.12	.78	.94	2.17	1.59	1.81
8	1.71	1.02	1.36	1.26	.88	1.04	1.16	.91	1.06	1.90	1.47	1.70
9	1.79	1.24	1.52	1.22	.82	1.02	1.22	.95	1.08	1.88	1.35	1.62
10	2.05	1.35	1.68	1.11	.79	.93	1.24	.80	1.04	1.74	1.16	1.48
11	2.02	1.65	1.80	.89	.72	.81	1.17	.78	.98	1.85	1.17	1.50
12	1.90	1.61	1.74	.93	.63	.80	1.32	.80	1.07	1.67	1.22	1.45
13	1.78	1.51	1.64	.99	.57	.79	1.28	.73	1.03	1.69	1.17	1.46
14	1.59	1.27	1.49	1.25	.68	1.00	1.30	.71	1.00	1.63	1.13	1.41
15	1.42	1.05	1.26	1.45	1.02	1.23	1.33	.73	1.04	1.61	1.12	1.37
16	1.59	1.08	1.34	1.61	1.04	1.35	1.54	.78	1.24	1.72	1.23	1.42
17	1.79	1.23	1.52	2.36	1.11	1.81	1.60	.98	1.31	1.58	1.24	1.40
18	1.91	1.30	1.62	2.68	1.03	1.73	1.54	.97	1.24	1.63	1.29	1.46
19	1.68	1.13	1.44	1.35	.71	1.07	1.45	.91	1.20	1.83	1.34	1.57
20	1.62	1.10	1.35	1.26	.66	.90	1.21	.90	1.05	1.97	1.49	1.70
21	1.74	1.02	1.36	1.15	.59	.85	.97	.77	.86	1.84	1.28	1.54
22	1.66	1.06	1.35	1.14	.51	.82	1.04	.78	.86	1.65	1.08	1.39
23	1.50	.97	1.21	1.08	.61	.85	1.32	.83	1.07	1.75	1.17	1.49
24	1.36	.78	1.09	.99	.73	.87	1.30	.86	1.08	1.75	1.26	1.52
25	1.37	.94	1.15	.92	.79	.85	1.32	.94	1.12	1.62	.81	1.31
26	1.27	1.04	1.14	.93	.60	.81	1.53	1.05	1.29	1.23	.71	.96
27	1.18	.94	1.04	1.13	.65	.89	1.60	.96	1.30	1.17	.75	.96
28	1.14	.91	1.01	1.19	.69	.94	1.29	.80	1.08	1.23	.84	1.03
29	1.42	.99	1.19	1.21	.64	.94	1.34	.80	1.10	.94	.69	.83
30	1.50	.96	1.25	1.26	.65	.97	1.34	.80	1.11	.85	.70	.77
31	---	---	---	1.31	.70	1.02	1.36	.90	1.16	---	---	---
MONTH	---	---	---	2.68	.38	1.00	1.60	.71	1.08	2.18	.69	1.35

MISSISSIPPI RIVER DELTA
07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 30,100 microsiemens, Nov. 19, 1996; minimum daily mean, 344 microsiemens, July 14, 1997.

WATER TEMPERATURES: Maximum daily, 34.0°C, Aug. 19, July 3, 1995; minimum daily, 2.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 30,100 microsiemens, Nov. 19; minimum daily, 344 microsiemens, July 14.

WATER TEMPERATURE: Maximum daily, 33.0° C, Aug. 19; minimum daily, 6.8°C, Dec. 20.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8970	7420	8400	15700	14300	15100	19000	11600	15200	---	---	---
2	9270	8360	9020	14700	7140	11700	12300	9190	10900	---	---	---
3	9730	7730	8990	7140	6500	6790	9860	8430	9290	---	---	---
4	9450	7930	9100	8150	6530	7690	8500	8010	8170	---	---	---
5	17500	9400	15300	9800	7700	8360	9130	8400	8860	---	---	---
6	19300	14200	16600	11700	9800	11000	9990	8380	9130	---	---	---
7	19900	14600	18000	17100	11500	14900	10400	8150	9300	---	---	---
8	19400	14900	16200	15600	9740	11400	8150	6710	7300	---	---	---
9	16100	14600	15500	10000	7340	8440	7440	6120	6940	---	---	---
10	15900	13200	14500	8060	7180	7710	8080	6120	6790	---	---	---
11	13200	11300	11800	7830	7130	7440	8420	6320	6780	---	---	---
12	12900	12000	12400	8030	7340	7760	8780	6820	7900	---	---	---
13	13300	12400	13000	7910	7150	7620	8240	7270	7630	---	---	---
14	13600	12800	13200	8040	7390	7800	7550	7120	7330	---	---	---
15	14100	13400	13700	10500	7520	8800	7720	6860	7250	---	---	---
16	14500	13700	14200	22500	10500	17900	9280	7020	8460	---	---	---
17	16000	14300	15200	28900	20100	26100	7660	6490	6960	---	---	---
18	16100	13100	14500	28800	19200	23800	6990	5180	6100	---	---	---
19	13900	11900	12800	30100	23800	27000	5180	4430	4780	---	---	---
20	14100	12200	13600	26900	23500	25000	5060	4480	4720	---	---	---
21	15100	13700	14400	26300	24100	25300	5740	4990	5260	---	---	---
22	19100	14900	16200	26000	21100	22500	5970	5340	5660	---	---	---
23	15200	10100	11300	22500	20800	21400	6650	5880	6040	---	---	---
24	12400	10800	11500	23900	22300	22800	6920	5300	6200	---	---	---
25	15200	12400	13200	25300	17200	21900	---	---	---	---	---	---
26	20100	15100	17100	17700	8190	13800	---	---	---	---	---	---
27	20800	16500	18600	8450	7040	7580	---	---	---	---	---	---
28	18500	14800	16600	8190	7170	7730	---	---	---	---	---	---
29	18200	16000	16800	10600	7850	9590	---	---	---	---	---	---
30	21200	15100	17200	17700	10100	15500	---	---	---	---	---	---
31	17000	14500	15100	---	---	---	---	---	---	1760	1390	1540
MONTH	21200	7420	14000	30100	6500	14300	19000	4430	7620	---	---	---

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1670	1420	1560	---	---	---	657	507	555	998	538	647
2	2130	1430	1760	---	---	---	666	486	533	1540	687	913
3	2110	1440	1800	---	---	---	1070	515	609	1690	656	1060
4	2300	1620	1980	---	---	---	1990	705	1220	846	525	616
5	1910	1410	1580	---	---	---	9120	1990	6110	625	505	544
6	1510	1210	1260	---	---	---	3790	2050	2050	625	524	567
7	1240	1180	1210	---	---	---	3080	1530	2120	614	564	593
8	1490	1030	1170	---	---	---	1960	1130	1450	943	583	638
9	1070	940	1020	---	---	---	1540	1070	1250	1310	643	1050
10	1090	947	1030	---	---	---	1240	791	1040	1190	572	643
11	1180	965	1060	---	---	---	2160	951	1420	631	531	588
12	1440	1040	1120	1290	859	964	2060	1060	1390	851	571	660
13	1600	1180	1370	2440	1290	1800	1510	609	1080	730	590	622
14	1420	1060	1180	2010	1350	1660	609	428	477	999	589	633
15	1350	1020	1090	1350	827	1030	457	398	434	999	579	630
16	1150	1010	1050	847	727	765	557	447	511	608	508	537
17	1140	1020	1060	936	676	740	567	466	515	887	568	739
18	1090	995	1040	956	696	791	466	386	432	897	757	821
19	1100	1010	1070	865	725	819	685	425	486	976	686	816
20	2050	1080	1410	744	534	682	685	485	572	1180	685	985
21	---	---	---	713	484	582	1290	494	743	975	665	817
22	---	---	---	1500	603	771	1080	663	789	865	644	720
23	---	---	---	1590	572	757	943	502	584	693	594	646
24	---	---	---	1160	782	869	572	482	517	683	613	641
25	---	---	---	1560	661	798	1060	481	646	1010	552	702
26	---	---	---	1560	731	841	1710	681	966	1300	572	744
27	---	---	---	890	780	834	9910	1380	4750	1200	601	644
28	---	---	---	1490	859	1150	5110	1400	3080	631	550	583
29	---	---	---	1290	779	883	1620	739	1100	550	500	521
30	---	---	---	1130	658	767	739	608	679	529	509	516
31	---	---	---	658	507	541	---	---	---	529	498	508
MONTH	---	---	---	---	---	---	9910	386	1270	1690	498	689

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	548	498	517	449	364	424	472	370	427	3910	1630	2450
2	527	487	508	414	367	384	426	362	396	4120	1870	2940
3	576	486	513	407	347	380	603	385	459	3330	1440	2070
4	516	383	437	429	349	376	574	397	427	2010	1250	1470
5	451	392	414	434	358	376	479	408	423	4210	1570	2310
6	615	426	500	400	358	373	479	399	418	14100	4210	8020
7	588	486	534	391	352	367	444	403	418	17700	13800	15500
8	573	441	525	403	360	380	481	416	440	17100	13300	15300
9	582	510	542	400	380	387	467	414	431	18900	13900	17000
10	682	501	548	433	373	395	450	423	437	21700	10400	17100
11	747	627	714	443	371	398	446	405	431	17600	10800	14800
12	821	624	729	429	369	401	455	398	422	11800	10600	11100
13	715	648	683	409	345	379	446	401	414	11300	10400	10800
14	687	476	546	407	344	375	469	408	426	11700	10100	10800
15	681	497	570	480	385	431	463	408	428	11300	8970	10200
16	556	507	537	466	421	449	556	425	480	11200	9250	10700
17	1200	547	693	2200	422	733	776	486	583	11300	8240	9690
18	1340	533	792	3490	441	1580	741	542	618	12000	9680	10600
19	538	431	504	575	418	453	1150	475	630	12900	11800	12200
20	515	444	486	496	420	452	558	448	471	15800	12800	14800
21	492	427	442	549	393	416	472	437	453	16600	11900	14700
22	492	420	437	549	392	430	461	383	402	13400	10400	11900
23	440	413	429	559	427	462	810	426	589	13500	10700	11900
24	439	409	417	514	415	465	928	447	651	14700	10300	12700
25	422	408	414	468	392	422	880	454	726	12600	9900	11100
26	436	406	418	527	418	479	1740	746	1180	11800	6710	9150
27	427	397	409	614	426	490	5390	1340	3410	8240	6970	7710
28	413	373	389	595	432	491	5210	1470	3640	8720	7220	8150
29	421	364	386	578	450	499	5940	1600	4160	7850	6810	7240
30	429	369	399	557	461	515	5790	2580	4260	6930	6030	6370
31	---	---	---	531	437	484	5140	2170	3940	---	---	---
MONTH	1340	364	514	3490	344	472	5940	362	1050	21700	1250	10000

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	24.3	22.7	23.5	26.5	25.0	25.6	17.2	15.6	16.6	---	---	---
2	25.3	24.0	24.7	25.4	20.0	23.1	15.6	14.2	15.0	---	---	---
3	25.2	24.4	24.6	20.0	17.7	18.6	15.3	14.0	14.7	---	---	---
4	24.9	23.9	24.4	18.4	17.1	17.6	15.0	14.4	14.7	---	---	---
5	24.5	22.6	23.7	19.1	17.8	18.3	15.9	14.4	15.1	---	---	---
6	22.6	21.0	21.7	21.2	18.8	19.9	16.8	15.4	16.1	---	---	---
7	21.0	20.1	20.5	22.4	20.9	21.7	19.0	16.8	18.0	---	---	---
8	21.6	20.0	20.3	21.8	18.6	20.2	17.7	16.5	17.2	---	---	---
9	22.5	20.7	21.5	18.6	17.1	17.8	17.2	15.3	16.3	---	---	---
10	22.9	20.9	21.8	18.0	16.2	17.1	17.2	15.6	16.4	---	---	---
11	22.0	20.8	21.3	18.7	16.8	17.6	18.1	16.7	17.4	---	---	---
12	21.8	20.1	20.9	18.8	16.9	17.7	20.0	17.7	18.7	---	---	---
13	22.5	20.7	21.5	18.3	16.7	17.6	19.5	18.9	19.2	---	---	---
14	22.8	21.6	22.1	18.8	17.3	18.1	19.5	18.5	18.9	---	---	---
15	23.3	21.9	22.6	19.1	18.0	18.5	19.4	18.4	18.9	---	---	---
16	24.5	22.5	23.4	19.3	18.6	18.9	19.0	17.0	18.5	---	---	---
17	25.9	23.7	24.4	20.4	19.1	19.7	17.0	15.4	16.0	---	---	---
18	24.8	22.3	24.0	20.5	20.0	20.2	15.4	10.7	13.5	---	---	---
19	22.3	20.4	21.0	20.7	20.3	20.4	10.7	7.6	8.8	---	---	---
20	21.4	20.0	20.8	22.1	20.5	21.0	8.4	6.8	7.7	---	---	---
21	22.4	20.7	21.5	22.9	21.5	22.3	9.1	7.2	8.2	---	---	---
22	22.6	21.2	21.9	22.6	20.6	21.6	10.4	8.7	9.6	---	---	---
23	21.2	19.4	20.1	20.7	19.8	20.3	11.9	9.9	10.9	---	---	---
24	20.4	19.4	19.9	21.1	20.0	20.5	12.6	11.6	12.1	---	---	---
25	20.4	19.9	20.1	20.9	16.8	19.2	---	---	---	---	---	---
26	22.4	20.4	21.3	16.8	13.7	15.2	---	---	---	---	---	---
27	25.1	22.3	23.5	13.7	12.4	12.8	---	---	---	---	---	---
28	24.9	24.0	24.4	13.7	11.9	12.9	---	---	---	---	---	---
29	25.7	24.4	25.1	14.5	13.1	13.7	---	---	---	---	---	---
30	26.0	24.8	25.3	17.2	14.5	15.8	---	---	---	---	---	---
31	26.3	25.0	25.6	---	---	---	---	---	---	13.4	12.0	12.7
MONTH	26.3	19.4	22.5	26.5	11.9	18.8	20.0	6.8	14.9	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	14.3	12.9	13.7	---	---	---	19.6	18.6	19.0	26.7	21.2	23.2
2	16.2	14.2	15.1	---	---	---	19.4	17.9	18.7	23.9	22.5	23.1
3	17.0	15.0	16.2	---	---	---	19.4	18.5	19.0	25.2	23.7	24.3
4	17.3	16.4	16.8	---	---	---	20.5	19.0	19.7	24.0	22.2	23.2
5	17.3	16.2	16.6	---	---	---	21.1	20.5	20.8	23.8	21.8	22.8
6	16.2	14.7	15.2	---	---	---	23.7	20.7	21.8	26.9	22.2	23.8
7	15.2	14.0	14.7	---	---	---	22.8	21.2	22.2	25.3	22.3	23.9
8	15.0	12.0	13.4	---	---	---	21.8	19.7	20.6	24.9	23.7	24.3
9	12.0	11.2	11.5	---	---	---	20.5	19.5	19.9	27.6	24.5	25.8
10	11.6	10.4	11.0	---	---	---	20.6	19.2	20.0	26.4	22.2	23.8
11	10.8	9.4	10.2	---	---	---	20.1	19.9	20.0	22.5	21.7	22.1
12	10.7	10.2	10.4	22.5	21.8	22.1	20.5	19.6	20.0	23.9	21.6	22.4
13	12.8	10.6	11.7	21.8	21.2	21.4	20.1	17.2	18.3	26.1	21.6	23.3
14	12.1	11.0	11.6	22.9	20.9	21.8	17.2	15.8	16.2	25.3	23.1	24.1
15	11.8	10.0	11.0	21.6	18.7	20.2	17.4	14.8	16.2	27.6	23.9	25.5
16	13.5	10.8	11.8	18.7	17.3	17.8	20.3	16.2	17.9	26.1	24.4	25.2
17	14.0	11.7	12.8	17.7	16.9	17.3	19.7	18.3	18.9	26.1	24.5	25.3
18	15.2	12.7	14.0	19.5	17.4	18.3	19.3	17.4	18.4	26.7	25.0	25.8
19	15.9	14.4	15.3	20.3	18.8	19.7	19.8	17.3	18.4	26.7	25.3	26.0
20	18.5	15.7	17.0	19.7	17.3	18.6	21.1	19.2	20.3	28.4	25.6	27.0
21	---	---	---	19.9	17.0	18.3	23.8	20.1	21.4	28.0	26.9	27.3
22	---	---	---	21.3	17.6	19.6	23.7	22.0	22.8	29.9	26.3	27.4
23	---	---	---	20.9	19.3	20.2	23.1	21.4	22.2	28.7	26.7	27.8
24	---	---	---	21.5	19.7	20.6	22.1	20.7	21.4	28.1	26.5	27.4
25	---	---	---	22.3	20.4	21.4	20.7	19.4	20.1	26.5	24.5	25.9
26	---	---	---	24.0	21.7	22.7	19.5	18.5	18.8	28.1	26.0	27.0
27	---	---	---	23.7	22.3	23.1	20.1	18.7	19.2	30.3	27.1	28.3
28	---	---	---	24.2	23.1	23.6	19.7	18.8	19.1	29.9	27.2	28.5
29	---	---	---	24.7	23.4	24.1	22.8	18.4	20.1	27.4	26.5	27.0
30	---	---	---	24.5	23.0	23.9	21.9	20.0	20.9	26.5	25.5	26.0
31	---	---	---	23.0	19.3	20.2	---	---	---	26.7	25.1	25.7
MONTH	---	---	---	---	---	---	23.8	14.8	19.7	30.3	21.2	25.3

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.9	25.1	25.8	30.8	28.8	29.5	30.2	28.4	29.2	30.9	29.3	29.9
2	27.4	25.2	26.1	32.0	29.2	30.3	29.5	27.7	28.5	31.5	29.8	30.6
3	28.0	25.3	26.5	32.5	29.8	30.9	31.2	28.9	29.7	31.1	29.8	30.6
4	29.0	25.9	26.9	32.9	30.5	31.3	30.5	29.2	29.7	30.8	29.6	30.2
5	28.6	27.0	27.5	32.9	29.5	31.2	31.0	29.1	29.8	29.8	28.6	29.1
6	28.0	26.4	27.3	30.5	29.1	29.5	31.1	30.0	30.5	28.9	27.7	28.3
7	27.3	26.4	26.9	29.8	28.9	29.3	31.4	29.8	30.4	28.6	26.9	27.7
8	27.2	26.3	26.8	29.4	28.6	29.1	30.6	29.4	30.2	29.0	27.3	28.0
9	27.4	25.9	26.5	29.2	28.2	28.6	30.6	29.0	29.7	29.5	28.5	29.0
10	27.9	26.4	27.2	30.9	28.2	29.2	30.9	29.5	30.1	29.6	28.7	29.0
11	28.4	27.1	27.8	32.4	29.1	30.3	31.7	29.9	30.7	30.1	28.2	29.0
12	28.6	27.6	28.0	32.4	29.8	31.0	32.6	30.2	31.2	29.6	28.0	28.7
13	29.9	28.2	28.8	31.4	29.5	30.5	32.3	30.6	31.1	30.0	28.2	29.1
14	31.0	28.1	29.3	30.8	29.0	29.7	32.0	30.6	31.1	30.4	28.7	29.5
15	31.6	29.0	30.0	31.2	29.4	30.3	32.4	30.4	31.3	30.1	28.9	29.6
16	31.0	29.5	30.3	30.6	29.5	30.0	32.1	30.7	31.4	30.4	29.5	29.8
17	30.4	28.7	29.6	29.8	27.5	28.5	32.4	30.5	31.4	31.0	29.4	30.0
18	28.7	27.3	27.9	27.5	26.3	26.8	32.6	31.0	31.7	30.8	29.3	30.0
19	28.1	27.1	27.5	28.8	26.1	27.3	33.0	31.0	31.8	30.3	29.2	29.7
20	29.3	27.0	28.0	29.6	27.4	28.4	32.5	31.3	31.8	30.2	29.0	29.5
21	30.0	28.0	29.0	30.1	27.9	28.9	32.4	30.2	31.3	30.1	28.9	29.5
22	31.0	28.9	29.8	29.9	29.0	29.4	31.2	29.6	30.4	30.5	29.4	29.9
23	31.5	29.6	30.2	29.7	28.8	29.2	30.0	28.8	29.4	29.8	29.0	29.4
24	30.5	29.3	29.8	30.6	28.4	29.3	29.8	28.0	28.8	29.5	28.4	28.9
25	30.4	28.9	29.4	31.0	29.5	30.3	29.3	27.6	28.5	28.7	26.0	27.4
26	30.2	28.3	29.3	32.5	30.2	31.3	29.9	28.2	29.0	26.5	25.0	25.8
27	30.1	28.9	29.4	32.4	30.9	31.4	29.5	28.7	29.1	27.1	25.2	26.0
28	30.4	28.5	29.1	32.6	30.8	31.6	30.4	28.6	29.5	28.0	25.6	26.5
29	30.0	28.5	29.1	31.6	29.9	30.9	30.9	29.6	30.0	28.2	25.7	26.8
30	29.7	28.6	29.1	31.2	29.6	30.2	31.5	29.6	30.4	28.6	26.4	27.5
31	---	---	---	31.0	29.7	30.2	31.0	30.0	30.5	---	---	---
MONTH	31.6	25.1	28.3	32.9	26.1	29.8	33.0	27.6	30.3	31.5	25.0	28.8

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA

LOCATION.--Lat 29°27'23", long 90°11'46", T. 19 S., R. 22 E., Lafourche Parish, Hydrologic Unit 08090301, on Tennessee Canal, 6.3 mi east northeast of Galliano and 10 mi. SE of Cutoff.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System).

REMARKS.--Stage affected by wind and tide. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 5.44 ft, Aug. 26, 1992; minimum recorded, -1.96 ft, Feb. 10, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.14 ft, Oct. 5; minimum, -0.08 ft, Jan. 19.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.67	1.34	1.50	1.61	1.21	1.40	1.94	1.24	1.58	1.10	.83	.95
2	1.76	1.46	1.60	1.54	.81	1.29	1.31	1.09	1.21	1.10	.79	.93
3	1.90	1.47	1.69	.97	.64	.80	1.37	.92	1.12	1.27	.79	1.00
4	2.20	1.51	1.96	1.06	.72	.90	1.18	.86	.99	1.30	.89	1.10
5	3.14	2.20	2.80	1.06	.83	.96	1.23	.98	1.12	1.51	1.07	1.24
6	3.07	2.72	2.91	1.41	1.06	1.26	1.28	.83	1.01	1.61	1.22	1.38
7	2.76	2.05	2.48	1.76	1.41	1.55	1.30	.92	1.07	1.67	1.20	1.43
8	2.39	1.94	2.22	1.74	.61	1.10	1.14	.49	.75	1.64	1.15	1.39
9	1.94	1.68	1.78	.88	.33	.55	.88	.43	.64	1.47	.55	.96
10	1.68	1.20	1.45	1.01	.45	.70	1.00	.46	.73	.79	.26	.54
11	1.37	1.08	1.20	.87	.42	.66	1.13	.67	.90	.97	.50	.73
12	1.48	1.26	1.37	1.08	.65	.85	1.36	.76	1.06	.90	.64	.76
13	1.60	1.33	1.46	1.06	.59	.82	1.29	.74	1.00	.82	.42	.63
14	1.72	1.43	1.57	1.07	.65	.86	1.21	.83	1.01	.67	.45	.53
15	1.78	1.36	1.56	1.62	.88	1.27	1.35	.94	1.14	1.29	.67	.95
16	1.84	1.47	1.64	2.42	1.62	2.18	1.35	.78	1.16	1.25	.41	.75
17	2.00	1.55	1.78	2.55	1.88	2.27	1.08	.78	.87	.47	.03	.25
18	1.98	1.28	1.72	2.05	1.66	1.88	1.08	.55	.88	.47	.00	.23
19	1.57	1.17	1.38	1.87	1.62	1.75	.55	-.06	.17	.48	-.08	.20
20	1.68	1.23	1.48	1.86	1.61	1.70	.62	.04	.26	.55	.07	.30
21	1.70	1.30	1.56	1.86	1.52	1.67	.96	.46	.64	.86	.40	.58
22	1.92	1.52	1.78	1.78	1.36	1.59	1.10	.62	.84	1.04	.58	.81
23	1.62	1.09	1.28	1.76	1.39	1.57	1.20	.74	.97	1.12	.67	.90
24	1.67	1.32	1.45	1.86	1.43	1.63	1.34	.76	1.00	1.28	.94	1.12
25	1.89	1.52	1.67	1.93	1.10	1.47	.93	.52	.72	1.35	1.01	1.18
26	2.10	1.72	1.91	1.17	.83	.99	1.10	.69	.91	1.29	1.00	1.13
27	2.15	1.67	1.89	1.04	.53	.79	1.45	1.09	1.25	1.48	1.18	1.32
28	2.05	1.47	1.74	1.10	.66	.88	1.42	.92	1.15	1.47	1.18	1.38
29	1.86	1.35	1.60	1.37	.98	1.18	1.36	1.06	1.21	1.18	.81	.93
30	1.78	1.31	1.53	1.79	1.37	1.64	1.30	.98	1.13	.91	.60	.74
31	1.67	1.18	1.43	---	---	---	1.17	.89	1.02	.87	.53	.69
MONTH	3.14	1.08	1.72	2.55	.33	1.27	1.94	-.06	.95	1.67	-.08	.87

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.13	.57	.79	1.86	1.44	1.61	1.33	.72	1.01	1.44	.90	1.15
2	1.23	.70	.94	1.80	1.44	1.58	1.39	.93	1.14	1.61	1.40	1.49
3	1.34	.89	1.09	1.63	1.22	1.40	1.46	1.06	1.23	1.64	1.19	1.48
4	1.56	1.02	1.22	1.55	1.11	1.32	2.00	1.43	1.60	1.19	.85	1.04
5	1.56	.94	1.20	1.55	1.09	1.28	2.49	2.00	2.24	1.36	.85	1.14
6	1.24	.86	1.07	1.50	.83	1.17	2.14	1.49	1.82	1.38	.92	1.15
7	1.37	1.01	1.19	1.24	.97	1.04	1.65	1.23	1.49	1.41	.87	1.15
8	1.29	.57	.97	1.33	.91	1.08	1.81	1.22	1.55	1.56	.89	1.25
9	.75	.43	.59	1.22	.82	1.01	1.80	1.39	1.58	1.48	1.03	1.25
10	.75	.35	.55	1.12	.85	1.02	1.83	1.23	1.52	1.50	1.15	1.30
11	.72	.29	.46	1.16	.82	1.01	2.03	1.50	1.78	1.56	.94	1.26
12	1.68	.72	1.07	1.47	.91	1.21	1.97	1.55	1.77	1.54	1.09	1.31
13	1.80	1.37	1.57	1.95	1.47	1.74	1.87	1.33	1.52	1.32	.93	1.12
14	1.54	1.11	1.25	1.79	1.40	1.55	1.33	1.12	1.22	1.09	.85	.94
15	1.11	.66	.87	1.56	1.23	1.34	1.22	.86	1.05	.97	.75	.86
16	.97	.47	.71	1.35	1.02	1.19	1.15	.83	1.00	1.19	.75	.96
17	.86	.44	.63	1.41	.96	1.17	1.01	.66	.78	1.32	1.01	1.16
18	.95	.45	.66	1.40	.99	1.21	.80	.45	.64	1.32	1.08	1.19
19	1.11	.65	.84	1.40	1.05	1.20	.82	.69	.77	1.52	1.13	1.35
20	1.45	1.11	1.21	1.28	.67	.87	1.00	.69	.86	1.49	1.08	1.34
21	1.58	1.38	1.47	.82	.47	.60	1.17	.92	1.08	1.42	.99	1.21
22	1.40	.89	1.17	.71	.57	.62	1.17	.89	1.04	1.50	1.07	1.28
23	1.20	.93	1.07	.98	.64	.78	1.00	.71	.86	1.49	.99	1.23
24	1.31	1.19	1.25	1.15	.98	1.06	1.29	.67	1.00	1.56	.97	1.28
25	1.38	1.26	1.33	1.41	1.14	1.29	2.10	1.07	1.57	1.66	1.22	1.45
26	1.65	1.38	1.53	1.39	1.08	1.20	2.26	1.86	2.09	1.60	1.19	1.39
27	1.57	1.26	1.43	1.36	1.00	1.19	2.52	2.08	2.27	1.59	1.09	1.35
28	1.55	1.14	1.31	1.37	1.08	1.22	2.09	1.19	1.48	1.59	1.10	1.33
29	---	---	---	1.37	1.03	1.19	1.22	.87	1.04	1.60	1.28	1.42
30	---	---	---	1.29	.88	1.11	1.32	.81	1.04	1.72	1.48	1.59
31	---	---	---	1.28	1.00	1.14	---	---	---	1.56	1.35	1.47
MONTH	1.80	.29	1.05	1.95	.47	1.17	2.52	.45	1.33	1.72	.75	1.25
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.35	.83	1.13	1.68	.92	1.29	.93	.45	.68	1.38	.52	.90
2	1.18	.80	1.00	1.71	.86	1.28	1.31	.19	.72	1.60	.78	1.13
3	1.30	.76	1.04	1.55	.67	1.13	1.64	.64	1.10	1.34	.45	.88
4	---	---	---	1.77	.65	1.18	1.14	.59	.87	1.08	.77	.93
5	---	---	---	1.41	.76	1.10	1.24	.34	.72	1.08	.64	.87
6	---	---	---	1.63	.56	1.08	1.23	.44	.80	1.45	1.06	1.26
7	---	---	---	1.74	.85	1.26	1.19	.42	.76	1.52	1.17	1.32
8	---	---	---	1.33	.92	1.12	1.09	.60	.82	1.66	1.26	1.42
9	---	---	---	1.36	.65	.99	1.21	.41	.78	1.70	1.30	1.51
10	1.91	.78	1.32	1.50	.63	1.03	1.28	.78	1.01	1.69	.98	1.38
11	1.74	1.23	1.50	1.44	.79	1.09	1.54	.72	1.00	1.68	.98	1.30
12	1.89	1.20	1.51	1.58	.80	1.12	1.59	.76	1.10	1.65	1.05	1.32
13	1.78	1.13	1.43	1.29	.61	.87	1.41	.64	1.06	1.82	1.12	1.45
14	1.62	1.12	1.35	1.50	.48	.94	1.25	.53	.83	1.95	1.16	1.47
15	1.81	1.04	1.35	1.87	1.01	1.39	1.42	.45	.89	1.88	1.07	1.43
16	1.74	1.05	1.35	1.80	1.20	1.45	1.41	.51	.94	1.91	1.22	1.51
17	1.58	1.01	1.27	1.81	1.08	1.36	1.67	.63	1.12	1.77	1.15	1.46
18	1.34	.91	1.13	2.16	.87	1.52	1.72	.78	1.20	1.73	1.34	1.59
19	1.31	.75	1.02	1.32	.40	.86	1.70	.69	1.17	1.77	1.46	1.63
20	1.70	.67	1.16	1.44	.49	.88	1.22	.68	.94	1.85	1.63	1.74
21	1.87	.84	1.32	1.29	.28	.77	1.14	.28	.68	1.82	1.48	1.68
22	1.99	.94	1.44	1.17	.35	.80	.92	.30	.62	1.84	1.35	1.60
23	1.98	.90	1.37	.92	.41	.66	.77	.46	.64	1.62	1.18	1.46
24	1.60	.63	1.11	1.24	.37	.76	1.04	.39	.65	1.58	1.15	1.40
25	1.25	.67	.98	1.52	.69	1.05	.98	.44	.67	1.29	.43	1.06
26	1.46	.70	1.06	1.65	1.00	1.21	1.46	.57	.95	.87	.24	.52
27	1.36	.88	1.10	1.59	.93	1.21	1.61	.79	1.11	1.20	.38	.72
28	1.37	.88	1.10	1.61	.89	1.20	1.30	.75	.97	1.42	.61	.95
29	1.53	1.05	1.27	1.22	.44	.93	1.49	.63	.99	1.09	.48	.77
30	1.50	1.01	1.27	1.40	.31	.81	1.48	.70	1.06	1.15	.72	.89
31	---	---	---	1.44	.56	.92	1.56	.76	1.10	---	---	---
MONTH	---	---	---	2.16	.28	1.07	1.72	.19	.90	1.95	.24	1.25

MISSISSIPPI RIVER DELTA
07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1992 to current year.

WATER TEMPERATURES: May 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.-- The extremely low minimum value may be caused by the shallow depth of water in which the probe is located.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 39,600 microsiemens, May 27, 1996; minimum daily, 693 microsiemens, July 18, 1997.

WATER TEMPERATURES: Maximum daily, 37.8° C, June 26, 1996; minimum daily, -0.3° C, Feb. 4, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 26,900 microsiemens, Nov. 21; minimum daily, 693 microsiemens, July 18.

WATER TEMPERATURE: Maximum daily, 37.6° C, July 26; minimum daily, 0.8° C, Dec. 19.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7370	5540	6490	18300	13800	17100	21400	14200	18200	9240	8000	8740
2	7470	5880	6490	18400	11900	15100	14400	13200	13900	9120	7970	8580
3	6350	5780	5950	13900	11400	12900	14100	13300	13700	9750	7300	8980
4	6010	5490	5670	13500	10600	12600	13900	12800	13300	14000	9200	11100
5	9920	5780	7450	13400	9680	11700	14300	12500	13500	14600	9920	12400
6	13900	9920	11900	17200	10900	13100	15600	13400	14400	11500	6110	9300
7	12800	10000	11600	20800	14100	18000	15500	13100	14700	6300	5340	5970
8	15000	9600	11500	16400	12100	14100	13500	12300	13100	6160	5010	5640
9	11700	8890	9850	12200	10400	11300	14000	11900	12800	7280	5160	6300
10	10100	7730	8620	12300	10400	11300	14300	12200	13400	8070	5750	6780
11	11600	6730	8960	12800	10200	11200	16400	12600	14500	5830	4880	5370
12	12300	10300	11300	12500	10100	11200	17600	12900	15100	---	---	---
13	13500	11700	12600	12500	9670	10900	15300	13200	14000	---	---	---
14	14800	12700	13600	12700	10000	11100	15100	12200	13600	---	---	---
15	14600	13600	14200	11700	9830	10500	15400	11800	13200	---	---	---
16	16000	14300	14700	12900	9960	11100	14600	13100	14000	---	---	---
17	16600	15500	16000	20200	12900	16000	14000	9570	10500	4750	4190	4390
18	15900	12900	14700	18600	14700	16600	10800	9140	9770	5180	4110	4480
19	13200	11900	12500	20800	14800	16800	9640	8340	8940	5840	4080	4560
20	13900	12300	12900	25900	14500	19700	9200	7810	8440	5720	4020	4640
21	14700	13200	13900	26900	15800	19300	9810	7820	8880	5650	4180	4820
22	16200	14100	15000	24600	13500	18800	11200	8890	9780	6630	4210	5530
23	14100	12100	12800	24400	15900	20900	11900	9330	10600	6320	4930	5480
24	13800	12200	12800	25100	20100	23100	11400	8440	10200	8560	4990	7150
25	14200	13100	13700	24000	13400	18600	9890	7220	8370	7320	4920	5620
26	17600	13800	15800	17500	11400	14500	9650	7170	7960	5830	4920	5320
27	18900	17100	17900	16000	12900	14400	8930	7460	8010	7960	4920	6280
28	18900	17600	18300	16100	13300	14400	9360	7640	8450	7540	4820	5920
29	18700	17300	18000	16200	12100	14100	8950	7910	8440	4980	4370	4670
30	18300	14600	17300	23200	15000	18900	9220	7850	8410	4700	4350	4530
31	18800	16400	18000	---	---	---	9580	8130	8830	5180	4370	4670
MONTH	18900	5490	12600	26900	9670	15000	21400	7170	11600	14600	4020	6430

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6680	4820	5680	9320	5390	7210	---	---	---	2950	2280	2610
2	6910	5690	6370	10300	6560	8720	---	---	---	8330	2860	4980
3	8440	5950	7100	9520	6150	8310	---	---	---	8140	4000	5950
4	8110	5300	6910	7690	6200	7180	4030	2380	2990	4000	2460	3510
5	6580	4400	5580	7670	4820	7170	11700	3560	8890	3860	2340	3090
6	4870	3790	4370	5910	3960	4720	8990	7790	8480	3830	2660	3200
7	5930	3670	4380	5100	3330	4380	7900	5490	6390	4200	2900	3500
8	4300	3450	3800	5990	3370	4430	5650	3770	4570	5510	3500	4240
9	4140	3590	3860	6500	3820	5230	4390	3250	3850	5330	2730	4310
10	4020	3390	3710	6140	4730	5540	4270	3510	3920	4220	2370	3050
11	3710	3230	3510	6290	5120	5700	4900	3830	4380	---	---	---
12	---	---	---	6630	5120	5740	4680	2990	3820	---	---	---
13	---	---	---	9290	5570	7200	3320	2580	2900	---	---	---
14	---	---	---	8280	4200	6610	2830	2410	2620	3430	2510	2870
15	---	---	---	5770	3800	5030	2890	2460	2680	4160	2450	2990
16	---	---	---	4780	2470	3730	3040	2380	2710	3070	2290	2670
17	---	---	---	4180	2760	3550	3230	2480	2760	3950	2560	3150
18	3490	2980	3220	5210	3220	4030	3230	2420	2890	6400	3410	4450
19	3220	3000	3110	4460	2760	3680	3270	2420	2890	9480	5840	7610
20	---	---	---	4280	2660	3570	3530	2370	2920	8330	5020	7090
21	6820	3360	5350	4350	2660	3560	4310	2350	3160	7290	3850	5530
22	5020	3060	3660	3920	2560	3160	4140	2690	3360	5730	2490	3960
23	---	---	---	2990	2360	2680	---	---	---	4550	3680	4100
24	---	---	---	3520	2310	3090	---	---	---	4620	3210	4120
25	---	---	---	4810	2870	3500	---	---	---	4030	3160	3580
26	5130	2890	3650	4430	3030	3730	---	---	---	4330	3100	3540
27	5040	3360	3910	4050	2890	3470	4390	2160	3320	4270	3120	3630
28	5810	3300	4320	4710	2860	3680	---	---	---	3960	2370	3180
29	---	---	---	4340	3530	3990	---	---	---	3130	2770	2960
30	---	---	---	---	---	---	3100	2340	2680	3090	2310	2750
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	10300	2310	4920	---	---	---	9480	2280	3950
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3200	2370	2730	1980	1530	1740	2020	953	1390	2320	1930	2100
2	---	---	---	2230	1320	1800	1820	964	1330	2500	2120	2260
3	---	---	---	2510	1560	2020	1920	1060	1450	2510	2190	2280
4	---	---	---	2840	1610	2310	1730	1080	1440	2420	2300	2370
5	---	---	---	2760	1250	2020	2150	1440	1710	2580	2150	2390
6	---	---	---	2080	1230	1710	2190	995	1780	2360	2210	2280
7	---	---	---	1710	725	1340	2090	1100	1670	3180	2350	2620
8	---	---	---	1710	805	1270	1780	1170	1470	3140	2390	2750
9	---	---	---	2290	1080	1600	1810	930	1450	5460	2650	3380
10	2630	1160	1770	2400	1050	1640	2010	1020	1440	7250	2570	3950
11	2570	1910	2190	2710	1830	2180	2180	1190	1690	8270	2570	5170
12	2700	1750	2310	2600	1460	2050	2080	1060	1610	8750	3800	5980
13	2620	1370	2010	2440	1520	2030	1740	1290	1510	8660	4730	6520
14	2730	1570	2200	2390	1180	1840	1840	1360	1600	9230	5480	7030
15	2730	1510	2020	1900	1160	1510	2540	1260	1770	9160	5040	6810
16	3210	1500	2200	1970	1180	1530	2540	1540	1970	8990	6300	7420
17	3370	1250	2380	1740	925	1500	2420	1680	1970	8230	6160	7110
18	2570	1340	1960	1340	693	938	2270	1700	1960	8720	6800	7760
19	2420	1290	1910	1680	1230	1470	2510	1820	2040	8810	5490	7170
20	2690	1570	2120	1990	1190	1620	2510	1570	1850	8470	5480	6950
21	2810	1980	2350	2020	1260	1550	2220	1700	1960	7980	5900	6600
22	3020	1950	2470	2130	1540	1780	2450	1470	1870	9840	6040	7380
23	2420	1250	2150	2100	1550	1730	1990	1380	1730	9910	5780	7040
24	2550	1290	1980	2080	1420	1710	1940	1340	1690	10300	6550	7860
25	2430	1340	2030	2070	1470	1720	2190	1290	1730	10600	6190	8180
26	2150	1370	1800	2350	1150	1650	2200	1350	1750	8450	5810	7220
27	2470	1280	1910	2300	1320	1700	2050	1480	1820	8470	5660	7180
28	2500	1420	2020	1990	1220	1630	2010	1700	1860	8800	6550	7390
29	2160	1230	1760	1990	1240	1640	2280	1780	1950	7190	6190	6800
30	1900	1150	1650	2200	1550	1820	2480	1960	2150	7340	6250	6860
31	---	---	---	2000	855	1560	2420	2000	2200	---	---	---
MONTH	---	---	---	2840	693	1700	2540	930	1740	10600	1930	5560

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	27.5	23.0	25.0	27.4	24.2	25.7	20.6	14.8	18.0	22.0	20.5	21.2
2	28.6	25.5	26.8	25.6	15.3	21.5	15.2	11.8	14.1	21.4	19.8	20.6
3	27.0	24.7	25.5	17.7	12.8	15.0	16.6	12.6	14.7	23.7	20.2	21.6
4	25.3	23.4	24.4	18.4	13.9	16.1	16.0	13.7	14.7	24.2	20.9	22.4
5	24.5	21.7	23.0	22.8	17.8	19.8	18.2	13.8	15.8	23.9	21.6	22.7
6	21.7	20.2	20.8	24.9	20.7	22.6	20.4	16.4	18.5	21.6	15.6	18.7
7	20.7	19.1	19.9	25.8	23.4	24.4	23.5	19.2	21.1	15.6	11.4	13.2
8	23.0	19.4	20.7	23.4	16.0	19.3	19.2	14.7	16.7	13.8	11.2	12.4
9	24.5	20.9	22.3	17.3	12.2	15.4	17.7	12.8	15.3	13.4	8.3	11.1
10	24.9	20.8	22.7	19.6	14.0	16.9	20.3	14.4	17.3	13.5	7.0	9.9
11	22.9	18.0	20.7	22.0	15.9	18.6	21.8	17.9	19.6	10.6	6.1	8.2
12	23.3	18.8	21.0	21.3	17.2	19.0	23.0	19.1	21.0	8.4	5.1	6.1
13	24.6	20.5	22.5	21.4	15.8	18.4	22.3	20.0	21.1	5.1	3.7	4.5
14	25.4	21.8	23.4	22.4	17.1	19.3	21.5	18.3	19.7	8.4	2.1	5.2
15	25.7	21.8	23.6	20.7	17.9	19.2	20.3	17.5	19.0	12.0	6.3	8.8
16	27.3	23.0	24.8	19.8	18.2	19.1	19.2	13.3	17.8	12.2	7.1	10.3
17	28.4	24.5	26.2	21.4	19.3	20.2	14.7	12.5	13.5	7.1	1.7	4.5
18	26.8	20.1	24.2	23.4	20.8	21.9	13.5	4.4	9.6	9.9	2.7	5.8
19	20.4	15.9	18.5	23.5	21.4	22.6	7.3	.8	4.0	12.6	4.2	7.9
20	22.5	17.7	19.7	23.8	21.7	22.4	7.1	2.5	4.9	16.5	7.9	11.5
21	24.1	19.9	21.7	25.1	21.9	23.6	12.3	4.9	8.3	18.1	12.5	15.0
22	24.0	20.8	22.4	23.6	19.5	21.4	15.9	10.4	13.0	21.6	15.6	18.5
23	20.8	16.1	18.5	20.6	18.1	19.5	18.5	13.5	16.0	20.5	18.8	19.5
24	20.5	17.8	19.4	22.6	19.5	21.0	18.2	13.5	16.8	22.0	18.1	20.0
25	21.7	20.2	20.8	22.1	13.4	18.0	13.5	7.8	10.4	20.8	16.4	18.9
26	25.2	21.6	23.3	13.6	10.8	11.9	14.5	9.0	11.6	16.8	13.5	15.5
27	27.4	24.4	25.6	11.6	8.0	10.0	16.4	13.9	15.5	20.6	16.4	18.5
28	28.5	24.9	26.5	15.5	10.0	12.7	19.6	15.5	17.5	19.7	12.8	17.2
29	27.8	25.1	26.4	17.5	14.1	15.8	19.2	18.3	18.8	12.8	10.3	11.2
30	27.8	25.1	26.4	20.9	17.5	19.2	21.8	17.8	19.6	13.5	9.9	11.5
31	27.9	25.2	26.4	---	---	---	22.5	20.2	21.2	15.5	10.4	12.8
MONTH	28.6	15.9	23.0	27.4	8.0	19.0	23.5	.8	15.6	24.2	1.7	13.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	17.9	14.0	16.1	24.9	21.5	23.1	18.9	16.4	17.5	29.1	22.1	25.1
2	20.4	16.8	18.7	24.0	22.6	23.3	21.1	16.3	18.6	27.0	23.7	25.5
3	21.4	19.0	20.1	23.7	18.8	21.6	20.4	18.4	19.5	28.5	24.4	25.9
4	20.1	19.0	19.5	23.3	19.6	21.6	22.6	19.6	21.1	26.4	19.3	22.8
5	19.8	15.9	18.0	26.0	21.9	23.8	22.2	21.4	21.8	25.9	19.6	22.9
6	15.9	12.3	14.0	22.9	15.3	18.5	26.7	21.1	23.6	28.5	21.5	24.6
7	16.2	12.6	14.4	19.7	13.7	16.4	25.4	21.2	23.4	29.1	23.1	25.7
8	15.4	9.1	11.7	23.2	16.4	19.5	21.6	18.2	19.2	27.7	23.7	25.5
9	9.9	8.4	9.1	25.4	19.4	22.2	21.8	17.1	19.3	28.5	24.1	26.2
10	13.7	8.4	10.4	25.5	21.7	23.3	22.6	18.2	20.4	26.1	19.7	22.3
11	13.9	6.0	10.0	25.3	22.3	23.8	20.9	19.7	20.1	21.7	18.6	20.2
12	11.1	9.6	10.2	24.3	22.3	23.4	22.2	19.5	20.5	25.2	20.1	22.0
13	16.9	11.1	14.0	22.3	20.8	21.3	20.4	14.8	17.1	26.6	21.1	23.6
14	14.2	10.3	12.2	24.4	20.6	22.3	15.1	12.4	13.7	26.2	22.6	24.5
15	14.4	7.8	10.9	21.8	16.0	18.5	19.6	12.4	15.7	28.2	24.0	26.1
16	16.9	10.2	13.5	17.3	13.6	15.7	23.7	16.2	19.5	29.2	24.5	26.6
17	18.6	11.9	15.0	17.9	15.4	16.7	22.2	18.5	20.4	28.8	23.9	26.2
18	19.8	13.5	16.8	23.6	17.4	20.5	20.7	14.1	17.4	29.6	24.9	27.1
19	20.4	16.9	18.7	23.3	20.6	22.1	24.1	17.5	20.4	28.8	24.9	26.7
20	23.5	18.8	20.8	20.6	16.1	17.4	25.8	21.1	22.8	31.0	25.8	27.9
21	22.5	20.6	21.3	22.4	13.7	17.8	27.0	22.2	24.5	30.2	27.0	28.6
22	21.3	15.1	17.8	25.4	18.1	21.1	26.3	23.7	24.7	29.8	26.4	27.7
23	15.1	12.9	13.7	23.8	19.9	21.6	24.6	18.1	21.9	31.7	26.1	28.8
24	13.5	12.7	13.1	24.4	19.5	21.9	21.8	18.7	20.4	28.7	25.5	27.3
25	15.2	13.2	14.1	24.7	20.9	22.7	19.7	18.0	18.8	27.4	22.6	25.2
26	21.2	15.2	18.4	27.6	22.8	24.8	18.5	17.4	17.9	31.3	25.5	28.0
27	20.9	19.2	19.9	25.8	22.5	24.5	21.0	18.0	19.4	32.7	27.0	29.5
28	22.7	19.5	21.1	26.3	23.1	24.5	20.4	18.6	19.6	31.4	26.3	28.6
29	---	---	---	27.9	23.8	25.6	23.9	17.4	20.3	27.3	24.6	26.0
30	---	---	---	25.3	22.8	23.9	26.4	20.6	23.1	26.3	24.6	25.5
31	---	---	---	22.8	15.9	18.0	---	---	---	27.7	24.4	25.9
MONTH	23.5	6.0	15.5	27.9	13.6	21.3	27.0	12.4	20.1	32.7	18.6	25.8

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	29.8	22.7	25.8	32.5	28.0	30.2	29.8	26.8	28.3	32.8	27.9	30.1
2	29.0	25.0	26.9	33.7	28.6	31.2	32.2	25.7	28.7	33.7	29.6	31.4
3	29.7	25.5	27.4	34.4	29.0	31.6	33.6	28.8	31.1	33.2	28.3	30.8
4	---	---	---	35.0	29.8	32.5	31.1	28.9	30.1	31.9	29.3	30.5
5	---	---	---	33.0	27.4	30.7	33.1	28.2	30.2	30.5	27.6	28.7
6	---	---	---	32.0	26.6	28.9	33.1	29.2	30.8	28.1	26.3	27.0
7	---	---	---	32.0	27.9	29.7	32.9	28.6	30.3	30.0	25.1	27.2
8	---	---	---	30.0	27.9	29.0	31.3	28.7	30.1	31.7	26.9	28.9
9	---	---	---	30.8	26.8	28.6	32.7	27.4	29.7	32.1	28.3	29.9
10	30.9	25.9	28.3	32.6	27.5	29.9	34.1	29.7	31.7	32.0	28.5	29.7
11	29.2	27.1	28.3	33.5	29.2	31.3	35.8	30.2	32.3	31.9	27.4	29.0
12	31.0	27.3	29.0	34.9	29.6	31.5	36.2	29.7	32.5	31.9	27.8	29.4
13	32.0	27.4	29.4	32.1	28.4	29.8	36.2	31.7	33.2	32.3	28.6	30.2
14	32.4	27.6	29.8	33.0	27.0	29.4	34.8	31.0	32.2	32.9	29.1	30.5
15	34.9	28.9	31.3	33.9	28.0	31.1	35.5	30.4	32.4	32.6	28.9	30.6
16	33.4	29.7	31.2	31.9	29.6	30.7	33.3	30.3	31.6	32.3	29.4	30.7
17	30.7	27.6	29.4	29.7	26.0	27.5	34.6	29.7	32.0	32.1	29.1	30.4
18	27.6	26.3	26.9	26.9	25.0	25.8	35.1	30.6	32.8	31.7	29.3	30.7
19	28.8	26.0	27.1	31.2	25.1	27.7	35.3	30.5	32.8	31.9	29.1	30.2
20	31.7	26.5	29.0	32.7	28.0	29.7	33.4	30.5	32.0	31.6	28.1	29.7
21	32.6	28.1	30.3	32.3	27.1	29.6	34.6	28.3	31.0	32.2	28.6	30.1
22	33.5	28.4	30.8	31.9	28.5	30.3	33.4	27.7	30.7	33.1	29.6	30.9
23	34.5	28.9	31.1	30.4	27.6	28.9	30.6	27.4	29.2	30.3	28.5	29.4
24	32.0	27.9	29.8	32.8	27.2	29.6	32.7	25.8	29.0	29.7	27.9	28.6
25	30.5	27.2	28.5	36.0	29.4	32.2	31.7	26.0	28.9	28.1	24.3	26.7
26	31.3	27.0	29.0	37.6	31.7	33.6	32.8	27.4	29.7	26.8	22.9	24.7
27	31.5	28.9	30.1	36.2	31.3	33.2	34.4	28.2	30.5	28.7	24.5	26.2
28	31.9	28.6	30.2	35.6	31.5	33.0	33.8	29.2	31.0	29.6	25.2	27.3
29	31.9	28.9	30.1	32.2	28.4	31.0	34.3	29.4	31.3	29.0	25.1	27.1
30	30.1	28.8	29.5	32.7	27.7	29.9	33.9	30.1	31.7	30.3	27.4	28.6
31	---	---	---	32.6	29.0	30.4	34.1	29.1	31.4	---	---	---
MONTH	---	---	---	37.6	25.0	30.3	36.2	25.7	30.9	33.7	22.9	29.2

MISSISSIPPI RIVER DELTA

07380401 BAYOU LAFOURCHE SW OF DONALDSONVILLE, LA

LOCATION.--Lat 30°05'47", long 91°00'21", in sec. 35, T. 11 S., R. 2 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge located 1.0 mi south of Marchand Drive (Hwy. 3089) and connecting Hwy. 1 and Hwy. 308.

PERIOD OF RECORD.--December 1996 to September 1997 (elevations only).

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

REMARKS.--Pumping plant at Mississippi River level pumps total flow of Bayou Lafourche from river except for small amounts of storm drainage during heavy runoff. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.27 ft, Apr. 11, 1997; minimum, 3.79 ft, Mar. 29, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 8.27 ft, Apr. 11; minimum, 3.79 ft, Mar. 29.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR DECEMBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				6.31	5.92	6.66	7.11	6.63	6.82	7.41	6.75	7.17
2				6.25	6.09	6.67	7.14	6.62	6.77	7.35	6.72	7.39
3				6.58	6.81	6.67	6.30	6.63	6.77	7.29	6.70	7.39
4				6.61	6.87	6.68	5.72	6.61	6.78	7.26	6.70	7.37
5				6.56	6.52	6.69	6.78	6.57	6.84	7.25	6.69	7.36
6				6.51	---	6.69	6.30	6.55	6.70	7.23	6.67	7.40
7				6.56	---	6.74	6.56	6.52	6.96	6.99	7.15	7.26
8				6.60	---	6.78	7.02	6.50	7.69	6.78	6.84	6.79
9				6.52	---	6.82	7.06	6.48	6.70	7.18	6.70	6.82
10				6.43	---	6.86	7.08	6.47	6.62	7.08	6.67	7.23
11				6.96	---	6.89	7.73	6.47	6.91	6.91	6.80	7.13
12				7.02	---	6.57	7.90	6.47	6.53	6.69	6.65	6.83
13				7.04	7.02	6.47	6.90	6.45	6.57	6.85	6.62	7.02
14				7.04	6.60	6.21	6.80	6.44	7.03	6.81	6.65	7.05
15				6.99	6.15	5.96	7.03	6.42	6.74	6.59	6.86	7.04
16				6.55	6.29	5.87	6.98	6.43	7.14	6.84	7.29	7.18
17				6.42	6.57	6.36	6.94	6.42	7.07	6.86	7.35	7.19
18			6.79	6.63	6.60	5.98	6.91	6.43	7.25	6.80	7.12	7.32
19			6.74	6.57	6.61	4.94	6.88	6.39	---	6.79	6.70	7.26
20			7.17	6.49	6.67	4.36	6.86	6.70	---	6.75	6.92	6.99
21			7.53	6.38	6.93	5.09	6.82	7.04	---	6.76	7.27	6.95
22			7.64	6.62	6.83	6.74	6.78	6.66	---	6.83	7.21	6.93
23			7.43	6.89	6.72	6.90	6.73	6.83	---	6.94	7.23	6.92
24			7.04	6.80	6.53	7.01	6.70	6.74	---	7.09	7.24	6.91
25			6.95	6.50	6.36	6.19	6.41	6.37	---	6.75	7.26	6.76
26			6.87	6.88	6.61	4.86	6.03	6.31	---	6.71	7.28	6.82
27			7.33	6.81	6.40	4.39	6.02	6.66	---	6.70	7.31	7.16
28			7.14	7.27	6.65	4.04	6.38	6.67	---	6.70	7.33	7.21
29			7.70	6.84	---	5.50	6.56	6.87	---	6.76	7.35	7.21
30			7.60	6.33	---	6.87	6.65	7.05	---	6.84	7.40	7.20
31			6.81	6.07	---	7.05	---	7.01	---	6.96	7.35	---
MEAN			---	6.65	---	6.18	6.77	6.59	---	6.93	6.99	7.11
MAX			---	7.27	---	7.05	7.90	7.05	---	7.41	7.40	7.40
MIN			---	6.07	---	4.04	5.72	6.31	---	6.59	6.62	6.76

MISSISSIPPI RIVER DELTA

07381000 BAYOU LAFOURCHE AT THIBODAUX, LA

LOCATION.--Lat 29°47'52", long 90°49'21", in sec. 117, T. 15 S., R. 16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi upstream from Laurel Valley Canal.

PERIOD OF RECORD.--October 1984 to current year. April 1966 to September 1984 (elevations only). Unpublished records, May 1954 to July 1957, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder. Datum of gage is 1.22 ft below sea level (levels by Louisiana Department of Transportation and Development).

REMARKS.--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. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.76 ft, May 9, 1991; minimum, 0.82 ft, Dec. 2, 1966.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	41	295	e319	132	195	257	187	271	350	222	252
2	118	36	287	e319	108	205	278	174	237	284	197	249
3	116	40	187	e319	112	219	274	201	218	244	182	261
4	113	20	e170	e241	239	212	184	181	209	229	179	262
5	112	31	e170	e241	259	217	268	168	211	227	178	261
6	118	43	e137	e241	200	219	318	162	218	227	185	276
7	126	112	e107	e241	191	220	250	157	265	240	184	299
8	130	195	e79	e137	202	226	249	156	565	272	212	263
9	134	136	e79	e241	214	237	274	157	551	324	200	215
10	131	91	e79	166	233	236	283	158	294	265	183	213
11	121	63	e107	136	214	233	767	157	265	222	203	243
12	109	44	e79	156	212	240	1240	160	335	202	201	237
13	100	41	e170	172	575	373	816	161	218	272	175	219
14	90	58	e107	179	468	282	443	160	200	319	166	234
15	79	62	e107	191	284	206	339	162	206	216	167	234
16	67	52	e79	204	188	171	307	162	204	192	190	249
17	76	48	e79	163	173	155	290	171	258	207	232	267
18	93	59	e107	147	178	173	262	182	915	202	272	250
19	106	84	e79	153	181	159	242	192	611	191	227	259
20	122	104	e137	153	184	107	232	198	348	187	182	255
21	131	127	e137	144	260	82	226	217	227	181	212	235
22	139	139	e107	143	272	87	225	326	204	180	228	218
23	118	122	e241	164	234	148	226	397	215	187	230	213
24	48	107	e279	221	230	194	212	335	214	207	234	213
25	66	109	e319	219	236	225	204	390	221	213	238	211
26	204	101	e362	191	204	195	198	252	187	198	242	184
27	319	101	e1120	217	202	103	185	201	196	193	249	187
28	220	104	e1180	417	198	78	170	203	258	229	255	225
29	149	108	e1120	448	---	67	177	269	268	276	254	235
30	99	148	e1180	270	---	161	189	270	336	220	259	224
31	63	---	e895	172	---	243	---	310	---	230	264	---
TOTAL	3738	2526	9581	6725	6383	5868	9585	6576	8925	7186	6602	7143
MEAN	121	84.2	309	217	228	189	320	212	298	232	213	238
MAX	319	195	1180	448	575	373	1240	397	915	350	272	299
MIN	48	20	79	136	108	67	170	156	187	180	166	184

e Estimated

MISSISSIPPI RIVER DELTA
07381000 BAYOU LAFOURCHE AT THIBODAUX, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.39	5.03	5.83	---	5.11	5.22	5.29	5.06	5.26	5.43	5.10	5.16
2	5.38	5.01	5.82	---	5.03	5.24	5.35	5.02	5.17	5.27	5.03	5.14
3	5.36	5.02	5.55	---	5.05	5.28	5.34	5.10	5.12	5.17	4.99	5.17
4	5.35	4.92	---	---	5.42	5.26	5.08	5.04	5.09	5.13	4.98	5.18
5	5.35	4.98	---	---	5.48	5.26	5.30	5.01	5.10	5.12	4.98	5.17
6	5.37	5.04	---	---	5.32	5.27	5.44	4.99	5.11	5.12	5.00	5.21
7	5.39	5.27	---	---	5.29	5.26	5.26	4.97	5.23	5.16	4.99	5.26
8	5.40	5.56	---	---	5.32	5.28	5.26	4.97	5.91	5.24	5.07	5.17
9	5.41	5.38	---	---	5.36	5.30	5.33	4.97	5.88	5.37	5.04	5.04
10	5.40	5.23	---	5.47	5.41	5.30	5.35	4.96	5.30	5.22	4.99	5.03
11	5.37	5.12	---	5.37	5.36	5.28	6.33	4.96	5.23	5.11	5.04	5.12
12	5.32	5.04	---	5.42	5.35	5.30	7.24	4.97	5.40	5.05	5.04	5.09
13	5.28	5.03	---	5.45	6.20	5.62	6.47	4.97	5.11	5.22	4.96	5.04
14	5.25	5.10	---	5.46	5.97	5.40	5.71	4.97	5.06	5.36	4.94	5.08
15	5.21	5.12	---	5.48	5.54	5.19	5.48	4.97	5.07	5.09	4.94	5.08
16	5.16	5.08	---	5.50	5.28	5.08	5.40	4.98	5.06	5.02	5.01	5.12
17	5.19	5.06	---	5.37	5.24	5.03	5.36	5.00	5.20	5.07	5.13	5.17
18	5.25	5.11	---	5.31	5.25	5.08	5.29	5.03	6.57	5.05	5.23	5.11
19	5.30	5.21	---	5.31	5.24	5.04	5.23	5.05	6.00	5.02	5.11	5.14
20	5.35	5.28	---	5.30	5.23	4.86	5.21	5.07	5.43	5.00	4.99	5.13
21	5.37	5.36	---	5.25	5.43	4.77	5.19	5.12	5.12	4.98	5.07	5.07
22	5.40	5.40	---	5.24	5.46	4.79	5.18	5.39	5.06	4.98	5.11	5.03
23	5.32	5.34	---	5.29	5.35	4.99	5.18	5.57	5.09	5.00	5.11	5.00
24	5.06	5.29	---	5.44	5.34	5.13	5.14	5.42	5.09	5.06	5.12	5.00
25	5.13	5.30	---	5.42	5.35	5.22	5.12	5.55	5.10	5.07	5.13	5.00
26	5.57	5.27	---	5.33	5.26	5.12	5.10	5.22	5.01	5.03	5.14	4.92
27	5.89	5.27	---	5.39	5.25	4.83	5.06	5.08	5.04	5.02	5.16	4.93
28	5.63	5.28	---	5.85	5.23	4.74	5.02	5.07	5.20	5.11	5.17	5.03
29	5.43	5.29	---	5.92	---	4.70	5.04	5.25	5.23	5.24	5.17	5.05
30	5.26	5.42	---	5.50	---	5.00	5.08	5.26	5.39	5.09	5.18	5.03
31	5.12	---	---	5.23	---	5.26	---	5.36	---	5.12	5.19	---
MEAN	5.34	5.19	---	---	5.36	5.13	5.39	5.11	5.29	5.13	5.07	5.09
MAX	5.89	5.56	---	---	6.20	5.62	7.24	5.57	6.57	5.43	5.23	5.26
MIN	5.06	4.92	---	---	5.03	4.70	5.02	4.96	5.01	4.98	4.94	4.92

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA

LOCATION.--Lat 29°27'20", long 90°25'20", in T. 19 S, R. 20 E., Terrebonne Parish, Hydrologic Unit 08090302, on a three- pile platform 8.0 mi. west of Galliano.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 1992 to September 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is sea level (levels determined by Global Positioning System). Prior to May 16, 1996, datum of gage was 11.27 ft below sea level.

REMARKS.--Stage affected by wind and tide. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 3.05 ft, revised, Mar. 8, 1995; minimum recorded, -0.85 ft, Jan. 9, 1996.

REVISIONS.--Maximum recorded elevation has been revised to reflect the datum used prior to May 16, 1996.

EXTREMES FOR CURRENT YEAR.-- Maximum elevation, 2.52 ft, Apr. 5; minimum, -0.46 ft, Jan. 13.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.42	1.13	1.33	1.66	1.47	1.57	1.92	1.48	1.75	1.04	.80	.92
2	1.54	1.34	1.44	1.59	1.02	1.35	1.48	1.20	1.31	1.05	.89	.96
3	1.46	1.21	1.39	1.02	.66	.83	1.32	1.06	1.19	1.25	.93	1.03
4	1.48	1.21	1.40	.99	.75	.91	1.11	.83	.95	1.42	1.13	1.24
5	1.70	1.00	1.55	1.19	.93	1.03	1.23	.97	1.11	1.47	1.21	1.34
6	---	---	---	1.55	1.19	1.36	1.29	1.09	1.18	1.35	.99	1.15
7	---	---	---	1.92	1.55	1.73	1.32	1.11	1.21	---	---	---
8	---	---	---	1.83	1.12	1.47	1.11	.71	.87	---	---	---
9	2.16	1.73	1.87	1.12	.74	.90	.96	.73	.85	---	---	---
10	1.77	1.35	1.59	1.09	.83	.95	1.03	.77	.91	.93	.71	.83
11	1.35	1.04	1.14	.94	.67	.81	1.08	.87	.99	.88	.46	.65
12	1.28	1.13	1.19	.98	.71	.86	1.23	1.00	1.12	.53	-.07	.28
13	1.28	1.13	1.20	.93	.68	.81	1.21	.90	1.06	-.04	-.46	-.21
14	1.47	1.28	1.39	.95	.70	.83	1.09	.86	.98	.21	-.20	-.09
15	1.59	1.36	1.48	1.20	.84	1.04	1.13	.94	1.04	.98	.21	.60
16	1.63	1.42	1.55	1.90	1.20	1.58	1.42	1.04	1.28	.99	.43	.74
17	1.81	1.54	1.70	2.30	1.90	2.14	1.29	1.00	1.12	.43	-.04	.13
18	1.84	1.37	1.65	2.14	1.88	2.03	1.08	.61	.84	.32	.03	.17
19	1.42	1.24	1.34	1.93	1.80	1.86	.61	.21	.38	.39	.03	.21
20	1.58	1.26	1.47	2.01	1.77	1.85	.47	.21	.34	.44	.18	.32
21	1.64	1.42	1.56	2.08	1.89	1.98	.80	.42	.55	.69	.42	.51
22	1.99	1.56	1.80	1.97	1.56	1.73	1.09	.80	.89	.88	.67	.75
23	1.76	1.37	1.50	1.73	1.54	1.63	1.22	1.02	1.11	.94	.75	.84
24	1.56	1.37	1.44	1.89	1.69	1.77	1.28	.79	1.09	1.19	.89	1.09
25	1.72	1.52	1.60	2.07	1.71	1.93	.79	.37	.55	1.28	.91	1.08
26	2.04	1.72	1.92	1.71	1.06	1.38	1.06	.61	.81	1.06	.83	.92
27	2.11	1.78	1.94	1.06	.65	.82	1.39	1.06	1.33	1.23	1.06	1.18
28	1.93	1.62	1.77	.97	.75	.85	1.42	1.16	1.27	1.34	.92	1.18
29	1.82	1.63	1.72	1.32	.87	1.13	1.31	1.15	1.23	.92	.62	.73
30	1.90	1.61	1.76	1.80	1.32	1.63	1.21	.99	1.09	.77	.56	.67
31	1.72	1.40	1.57	---	---	---	1.18	.90	1.01	.93	.67	.77
MONTH	---	---	---	2.30	.65	1.36	1.92	.21	1.01	---	---	---

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1.09	.78	.90	1.68	1.40	1.52	.94	.66	.77	1.39	1.14	1.26
2	1.10	.89	1.00	1.76	1.52	1.62	1.01	.75	.87	1.58	1.30	1.42
3	1.14	.96	1.04	1.76	1.41	1.57	1.13	.86	.96	1.82	1.20	1.53
4	1.29	1.05	1.13	1.53	1.24	1.35	1.72	1.13	1.36	1.20	.72	.95
5	1.30	.91	1.08	1.40	1.12	1.25	2.52	1.72	2.22	1.10	.70	.95
6	.98	.72	.84	1.27	.74	.96	2.32	1.65	1.99	1.15	.96	1.06
7	1.05	.87	.95	.87	.66	.76	1.65	1.20	1.46	1.19	1.00	1.11
8	1.05	.53	.79	1.00	.82	.90	1.38	1.13	1.25	1.35	1.05	1.20
9	.61	.44	.53	1.06	.80	.94	1.30	1.17	1.23	1.38	1.16	1.24
10	.61	.25	.45	.99	.82	.93	1.30	1.06	1.17	1.46	.92	1.06
11	.53	.14	.29	1.01	.81	.91	1.66	1.19	1.44	1.19	.81	.98
12	.70	.52	.62	1.17	.86	1.01	1.65	1.51	1.57	1.23	.99	1.10
13	1.28	.70	1.15	1.71	1.15	1.49	1.56	1.14	1.29	1.25	1.08	1.16
14	1.26	.87	1.05	1.66	1.37	1.51	1.14	.87	.98	1.23	1.11	1.18
15	.87	.55	.68	1.37	1.03	1.13	1.01	.79	.90	1.19	.93	1.04
16	.77	.53	.65	1.05	.81	.90	1.01	.83	.93	.93	.72	.79
17	.74	.48	.59	1.10	.79	.91	1.00	.63	.81	1.11	.73	.94
18	.71	.40	.54	1.17	.96	1.05	.73	.43	.55	1.26	1.07	1.16
19	.83	.57	.67	1.22	1.10	1.14	.95	.73	.87	1.47	1.20	1.35
20	1.14	.83	.94	1.13	.82	.93	.99	.79	.88	1.50	1.36	1.44
21	1.49	1.14	1.38	.82	.61	.71	1.29	.96	1.15	1.40	1.24	1.32
22	1.37	.83	1.10	.91	.77	.84	1.39	1.20	1.30	1.82	.91	1.34
23	.83	.53	.67	.80	.56	.67	1.26	.97	1.07	1.84	1.06	1.37
24	.75	.48	.62	.84	.70	.80	1.15	.89	1.01	1.40	1.06	1.22
25	.91	.48	.68	1.18	.84	1.06	1.32	1.01	1.16	1.84	.75	1.45
26	1.39	.71	1.13	1.11	1.00	1.05	1.41	.89	1.18	1.61	1.45	1.54
27	1.38	1.09	1.26	1.09	.86	.96	2.02	1.41	1.63	1.54	1.34	1.43
28	1.45	.89	1.16	1.37	1.05	1.21	2.00	1.74	1.86	1.70	.93	1.36
29	---	---	---	1.34	1.25	1.30	1.74	1.32	1.47	1.67	.92	1.36
30	---	---	---	1.29	1.06	1.16	1.39	1.15	1.25	1.70	1.04	1.33
31	---	---	---	1.06	.67	.82	---	---	---	1.62	.70	1.21
MONTH	1.49	.14	.85	1.76	.56	1.08	2.52	.43	1.22	1.84	.70	1.22
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	1.61	.99	1.24	1.28	1.12	1.19	1.03	.80	.96	1.15	1.01	1.08
2	1.19	.98	1.09	1.17	.98	1.09	.95	.68	.83	1.15	.98	1.06
3	1.10	.91	1.02	.98	.80	.91	1.15	.83	.98	1.05	.81	.92
4	1.04	.80	.92	.91	.67	.80	1.19	.99	1.09	.99	.78	.88
5	1.15	.84	1.00	1.15	.71	.89	1.13	.99	1.03	1.09	.82	.90
6	1.30	.99	1.15	1.07	.81	.94	1.10	.89	.98	1.54	1.09	1.34
7	1.40	.73	1.25	1.15	.89	1.01	1.03	.96	.99	1.69	1.43	1.58
8	1.40	1.17	1.28	1.12	.99	1.05	1.13	.92	1.04	1.61	1.43	1.52
9	1.41	1.22	1.32	1.05	.89	.98	1.12	.97	1.05	1.69	1.47	1.59
10	1.50	1.20	1.33	1.06	.84	.94	1.14	.92	1.05	1.64	1.42	1.55
11	1.76	1.46	1.60	.95	.79	.86	1.07	.89	.98	1.52	1.25	1.42
12	2.00	1.63	1.73	.88	.75	.81	1.09	.88	.98	1.39	1.22	1.30
13	1.90	1.54	1.77	.94	.73	.82	1.08	.87	.99	1.41	1.20	1.32
14	1.79	1.62	1.74	.99	.70	.86	1.16	.92	1.04	1.50	1.22	1.34
15	1.62	1.38	1.50	1.18	.87	1.06	1.23	.95	1.11	1.51	1.30	1.37
16	1.64	1.19	1.48	1.37	1.03	1.21	1.39	1.08	1.25	1.50	1.30	1.38
17	1.87	1.52	1.68	1.73	1.18	1.49	1.44	1.23	1.33	1.44	1.26	1.35
18	2.12	1.43	1.86	1.63	1.13	1.33	1.38	1.23	1.30	1.39	1.24	1.33
19	1.93	.65	1.35	1.19	1.02	1.11	1.34	1.15	1.24	1.44	1.29	1.37
20	1.50	.77	1.29	1.13	.92	1.01	1.30	1.10	1.19	1.56	1.38	1.47
21	1.50	1.27	1.39	1.06	.88	.98	1.22	.87	1.01	1.58	1.31	1.47
22	1.46	1.29	1.38	1.02	.88	.95	.91	.68	.78	1.48	1.25	1.38
23	1.38	1.17	1.25	1.11	.84	.98	1.03	.84	.93	1.56	1.28	1.43
24	1.20	.97	1.11	1.01	.82	.89	1.03	.83	.93	1.65	1.36	1.52
25	1.25	1.09	1.17	.89	.80	.84	1.04	.80	.95	1.55	1.08	1.40
26	1.22	1.06	1.12	.91	.77	.85	1.13	.80	1.00	1.08	.82	.97
27	1.06	.94	.99	.99	.80	.91	1.27	.97	1.15	1.12	.81	.98
28	1.07	.94	1.00	1.02	.80	.92	1.24	1.04	1.16	1.24	.98	1.09
29	1.25	.97	1.14	1.15	.84	1.02	1.23	1.01	1.11	1.10	.89	.99
30	1.33	1.12	1.23	1.15	.94	1.03	1.23	1.03	1.13	.92	.79	.86
31	---	---	---	1.27	.92	1.04	1.29	1.06	1.14	---	---	---
MONTH	2.12	.65	1.31	1.73	.67	.99	1.44	.68	1.05	1.69	.78	1.27

MISSISSIPPI RIVER DELTA
07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1992 to September 1997 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1992 to September 1997 (discontinued).

WATER TEMPERATURES: August 1992 to September 1997 (discontinued).

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,600 microsiemens, May 28, 29, 1996; minimum daily, 1,910 microsiemens, Jan. 16, 1993.

WATER TEMPERATURES: Maximum daily, 36.0°C, July 4, 1997; minimum daily, 0.6°C, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum daily, 30,500 microsiemens, Nov. 17; minimum daily, 3,600 microsiemens, July 14.

WATER TEMPERATURES: Maximum daily, 36.0 °C, July 4; minimum daily, 1.5 °C, Jan. 14.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17600	10400	13500	23300	21100	22600	28800	25300	26800	9660	6930	8580
2	16400	15200	15500	23400	21800	22700	26200	23000	24500	12000	6930	8190
3	---	---	---	22200	21000	21400	24100	20900	22400	15600	8690	12200
4	---	---	---	21000	14400	16400	21500	18900	20900	15700	13200	14400
5	---	---	---	17100	15200	15700	20600	14500	19200	16500	13300	15200
6	---	---	---	26700	14800	20600	21900	19200	19900	14800	13500	14400
7	---	---	---	26700	22500	24800	22900	20400	21400	---	---	---
8	---	---	---	23800	20600	22300	20600	16900	19800	---	---	---
9	25500	17300	21000	21000	17600	19900	18300	16600	17600	---	---	---
10	17500	16400	17100	20300	17600	19100	19700	16700	18600	15400	12300	14300
11	17000	15200	16400	19200	15600	18000	21200	19500	20500	14000	9550	10600
12	15600	13400	14600	18800	15300	17000	22400	20500	21600	11600	7230	10100
13	15200	12900	13900	18800	14500	16200	22400	20800	21600	11600	3960	7930
14	22900	14100	17400	18000	13500	15900	20800	16400	18500	9500	4340	6180
15	24600	17100	20400	21900	14300	17600	20300	18400	19200	20200	4190	10300
16	26700	18600	21800	21700	19500	20400	21600	19400	20800	21800	13800	18200
17	28700	18700	22600	30500	21600	26100	23000	19300	21500	19700	10700	17300
18	23800	20900	22300	30200	25500	27900	19600	17400	18400	12700	10700	12200
19	21800	18800	19900	26800	25000	25900	18200	17100	17700	14300	10700	12100
20	24200	17900	20000	25500	24900	25300	17200	11500	14000	17100	10200	14100
21	24000	20600	21900	26500	25500	25900	15700	11300	13400	19600	13100	16100
22	25000	20600	22100	26600	24600	25600	22500	13200	18800	22000	16700	19400
23	23600	20300	21600	25300	23500	24300	24600	19600	22100	24500	19000	21500
24	21200	18900	19900	26000	24400	25200	24900	21500	23400	23600	20100	21800
25	21500	19100	20600	29200	25700	27200	24000	14200	21100	23100	21500	22400
26	30000	20800	23600	27000	25100	25800	20600	12400	16400	21500	18000	18800
27	28100	21800	23900	25300	19600	24800	22100	18600	20900	22600	17900	20800
28	24200	21800	23000	20100	17400	18800	20300	17300	19100	21600	19900	20900
29	22900	21600	22500	24400	15400	20800	18400	13700	16600	20400	11400	18200
30	24200	22400	23000	28800	23300	25600	14000	10600	12300	15800	6780	11700
31	22800	21000	22100	---	---	---	13100	9480	11600	10500	6810	8320
MONTH	30000	10400	20000	30500	13500	22000	28800	9480	19400	24500	3960	14500

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	15200	9010	11600	17000	14500	15400	10200	7660	8810	16200	12100	14400
2	17800	14700	15500	17500	15800	16600	9770	8140	9000	13600	10900	12200
3	17500	14400	15600	17300	15100	16500	10900	9120	10000	15800	13600	15100
4	17500	14600	15900	16600	14000	14800	17000	9890	13900	15200	12400	13200
5	15600	14000	14900	15300	12500	13800	21100	16400	18300	13000	10900	11900
6	14500	10200	12600	15000	10200	12100	23000	16500	19300	12900	11700	12200
7	13000	8550	10700	12100	10400	11400	16600	15600	16000	13300	10900	12000
8	13500	10900	12500	12500	9120	11000	16000	14700	15400	14400	10800	12700
9	12500	9230	11400	12800	10800	11700	15200	12300	14500	16100	14000	15000
10	9580	6260	7910	12800	11200	11700	13400	11900	12900	15200	11400	13000
11	8430	7390	7850	12400	10500	11500	16200	12300	13200	12100	8410	10300
12	14100	7390	10600	11900	7790	9530	19100	15900	16900	12900	10700	11700
13	17200	10400	12100	14100	10700	13000	16300	12900	15500	13200	11700	12400
14	16900	11400	14000	16600	13200	15200	14000	10100	12100	13600	11900	12900
15	11600	7130	10600	13700	11600	13200	10700	9150	9890	13300	11500	12300
16	9980	6000	8060	11800	10400	11100	9550	8910	9230	11500	10200	10900
17	8780	6710	7640	11600	7780	9370	9460	8890	9290	11600	9550	10300
18	8170	5250	7140	11600	8320	10100	10100	9070	9560	14300	11400	12700
19	10000	6630	8430	13700	11000	12400	11000	9050	9460	14900	14000	14200
20	14000	7890	11600	11700	9060	10300	12100	9730	11100	16600	14900	15400
21	21300	12700	15800	9680	7600	8910	14100	11100	12000	16500	15000	15800
22	19600	13700	15100	9000	7450	8270	15900	14100	15100	15700	12800	14200
23	13800	11300	12100	9620	8140	8710	16700	14000	15100	13400	10800	11900
24	11400	6730	7950	9330	7880	8470	14600	12600	13000	14800	10800	12500
25	8310	4600	6590	16200	7990	10100	14800	12400	13200	14500	11600	13200
26	15800	4620	10500	15700	11300	12900	14800	12500	13600	11900	10700	11300
27	16400	14200	15100	11700	9910	10700	15700	12500	13900	11500	9740	10500
28	14500	10800	12400	12700	10400	11700	17900	15400	16800	11400	8210	9090
29	---	---	---	17900	12700	15000	16800	14800	15700	8740	7170	8000
30	---	---	---	14900	9640	13000	16200	12500	14200	8370	6090	7610
31	---	---	---	10700	9520	10300	---	---	---	7980	5270	7190
MONTH	21300	4600	11500	17900	7450	11900	23000	7660	13200	16600	5270	12100
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	6820	5270	6440	8050	6660	7300	5230	4600	4840	10600	9960	10300
2	6670	5720	6070	6910	5650	6390	4760	4190	4570	10000	9380	9790
3	6070	5210	5470	6670	5490	5970	5240	4400	4580	9630	9140	9410
4	5560	4340	4750	5980	5490	5670	8330	5240	7070	9260	9120	9210
5	6170	4540	4970	5630	5390	5530	8150	6690	7210	9120	7130	8130
6	9710	6140	7120	5480	5070	5330	6760	5660	6310	14000	6820	9480
7	11400	6920	9320	5710	4790	5300	5660	5230	5380	17100	12600	15200
8	11600	8800	9880	6110	5090	5600	5420	4990	5200	15800	11800	13800
9	9830	8700	9480	5950	5260	5480	5320	4770	5090	16600	10500	13700
10	9540	8000	8940	5450	4770	5070	5400	4940	5150	16300	11700	14100
11	12700	8270	9120	5060	4210	4490	5190	4780	5050	15700	12200	13000
12	14400	11600	12700	4730	4150	4340	4850	4470	4630	12300	11300	11700
13	12900	9910	11600	4780	4230	4480	4740	4410	4560	11600	10400	11100
14	11700	10300	11200	4230	3600	3840	5110	4560	4760	11700	10900	11200
15	11200	10000	10700	4350	3790	4080	6050	5060	5520	11400	10500	11000
16	11500	9990	10500	8470	4290	5680	9860	5750	6640	10600	9560	10000
17	13300	10900	11400	9830	5780	7840	11200	8260	9800	9640	9120	9390
18	12800	11700	12200	9190	6990	8680	11200	8340	9670	9590	8820	9260
19	12400	10300	11300	8220	6020	7230	10000	8520	8980	9870	9070	9570
20	11300	9960	10300	6940	5200	6200	10700	8150	9340	15800	9780	12000
21	11500	8470	9860	6150	5100	5800	9290	8400	8740	14700	10800	12700
22	11200	8710	10400	6160	5580	5950	8550	7750	8190	14200	11600	12500
23	10800	8810	9450	6320	5230	5950	8060	7510	7720	16100	11100	12900
24	8930	7150	7630	6090	5260	5520	8000	7110	7440	17000	10500	14100
25	7780	6820	7290	5850	5340	5600	7900	7050	7330	16300	13500	14300
26	7290	6310	6810	6110	5800	5980	10300	6610	7400	13600	11600	12500
27	7550	6150	6720	6080	5090	5690	13600	7300	9340	11600	9510	10200
28	7290	5820	6620	7160	4660	5650	13800	9510	11200	11800	9020	9510
29	7780	5440	6710	7170	5630	6460	11600	9510	10300	12400	10600	11400
30	8460	6270	7400	6580	5440	5910	10800	9500	9800	11200	10500	10700
31	---	---	---	5680	5140	5340	11500	9930	10600	---	---	---
MONTH	14400	4340	8750	9830	3600	5750	13800	4190	7170	17100	6820	11400

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.9	23.1	23.9	26.5	23.8	25.3	19.8	15.9	18.1	21.3	20.0	20.4
2	26.4	24.5	25.4	25.2	19.4	21.8	15.9	13.8	14.7	21.2	19.4	20.3
3	---	---	---	19.7	15.5	18.0	15.4	13.7	14.6	23.4	20.3	21.4
4	---	---	---	18.0	15.0	16.7	15.5	13.8	14.6	22.7	20.9	21.8
5	---	---	---	22.4	17.6	19.5	18.2	13.5	15.8	22.9	21.4	22.2
6	---	---	---	21.5	19.9	20.9	19.8	15.8	17.3	21.4	16.7	19.9
7	---	---	---	24.8	21.4	22.9	20.3	18.5	19.6	---	---	---
8	---	---	---	22.4	18.6	20.6	18.5	14.8	16.7	---	---	---
9	23.4	21.3	22.1	18.6	15.9	17.1	17.0	13.3	15.2	---	---	---
10	24.2	20.9	22.4	18.5	14.3	16.4	18.0	14.4	16.4	12.7	9.7	11.2
11	23.3	20.5	21.7	19.1	16.0	17.6	20.0	17.6	18.6	12.1	7.0	9.1
12	23.1	19.0	20.8	19.7	16.7	18.0	21.1	19.2	20.1	8.3	5.3	6.8
13	24.2	20.5	22.0	20.1	15.9	17.9	21.9	20.0	20.7	6.4	3.1	4.8
14	23.2	21.2	22.2	20.7	16.8	18.5	21.4	19.0	20.0	12.1	1.5	5.8
15	23.7	21.9	22.7	19.9	17.2	18.8	20.4	17.3	19.0	13.8	6.2	9.7
16	24.9	22.2	23.3	19.6	18.0	18.9	19.6	14.6	17.9	12.0	7.1	10.6
17	25.8	24.3	24.8	20.4	19.1	19.7	15.8	13.4	14.9	9.3	2.5	5.8
18	25.8	22.2	24.3	21.7	20.2	20.7	13.4	6.7	10.7	10.0	2.9	6.2
19	22.2	18.4	20.6	22.0	21.5	21.7	8.8	2.1	5.6	14.3	5.8	9.4
20	21.4	18.4	20.1	24.3	21.7	23.0	8.7	4.6	6.3	12.5	7.7	9.9
21	22.9	19.9	21.5	25.0	22.9	23.8	11.1	5.1	7.8	16.0	10.8	12.7
22	23.6	21.1	22.3	24.0	19.2	21.8	14.3	10.5	11.8	19.2	14.5	16.5
23	21.1	18.9	20.0	21.1	18.5	19.9	18.3	12.7	14.6	19.3	16.7	17.8
24	21.1	18.1	19.6	21.5	19.6	20.7	18.3	11.7	16.1	20.1	17.7	18.9
25	21.2	20.4	20.7	21.4	16.2	18.5	13.1	8.7	10.7	20.2	16.6	19.0
26	24.0	21.2	22.5	16.2	12.0	14.2	15.6	9.0	11.1	17.5	14.1	16.2
27	25.6	23.3	24.6	13.0	10.3	11.9	16.0	14.3	15.0	19.4	17.2	18.4
28	26.5	24.7	25.6	13.8	10.7	12.2	17.2	15.2	15.9	19.4	13.1	17.3
29	27.1	24.9	26.0	15.9	13.3	14.5	17.9	17.2	17.8	13.8	11.5	12.8
30	27.0	24.8	25.8	19.9	15.9	18.5	19.7	17.4	18.4	13.6	11.5	12.4
31	26.7	24.9	26.0	---	---	---	20.3	19.5	19.9	15.9	11.5	13.6
MONTH	27.1	18.1	22.8	26.5	10.3	19.0	21.9	2.1	15.4	23.4	1.5	14.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	17.9	13.7	15.6	24.8	22.3	23.3	19.6	17.3	18.2	26.7	23.1	24.4
2	19.6	16.0	17.4	23.8	21.9	23.3	20.5	17.0	18.6	26.9	24.1	25.5
3	19.8	17.6	18.8	22.7	20.5	21.4	20.4	18.7	19.5	27.6	25.1	26.0
4	19.8	18.5	18.9	22.5	20.7	21.4	21.5	19.7	20.6	26.3	22.9	24.5
5	19.9	16.4	18.2	24.0	21.5	22.6	22.2	21.4	21.8	26.7	20.2	23.7
6	16.4	12.9	14.7	23.0	17.3	19.4	24.3	21.4	22.5	29.3	22.0	25.4
7	16.8	12.7	14.6	19.9	14.4	17.5	25.4	22.5	23.8	29.6	23.7	26.4
8	15.0	9.8	12.0	20.4	16.4	18.4	23.1	19.1	21.0	28.8	24.8	26.6
9	11.5	8.9	9.9	21.8	19.0	20.4	23.6	18.6	20.7	31.2	25.7	28.1
10	14.4	8.7	11.0	23.2	20.5	21.9	23.4	19.6	21.5	28.7	20.7	24.2
11	12.5	6.3	9.8	25.7	21.8	23.7	21.9	19.9	20.7	23.2	20.2	21.8
12	11.3	10.1	10.8	24.5	22.7	23.3	21.5	20.2	20.7	26.6	21.4	23.2
13	16.6	11.1	13.3	22.7	20.9	21.7	20.2	16.0	17.8	27.8	22.9	24.8
14	13.0	10.2	11.9	25.4	21.0	22.7	16.6	14.1	15.3	28.5	23.0	25.5
15	14.1	9.8	11.8	23.1	16.5	19.9	19.8	13.4	16.3	29.3	24.4	26.4
16	16.8	10.8	12.9	17.8	15.0	16.5	23.9	17.2	20.1	28.8	25.2	26.8
17	15.9	12.4	14.2	18.3	15.1	16.7	23.7	19.1	21.5	29.2	23.9	26.2
18	17.1	13.8	15.3	23.8	17.3	20.1	23.9	16.8	19.9	28.8	25.7	27.1
19	18.6	16.0	17.3	23.1	20.3	21.6	23.3	17.3	20.1	29.1	25.2	27.3
20	21.5	17.9	19.8	20.3	16.0	17.8	26.4	20.1	22.7	29.6	25.8	27.7
21	21.3	20.6	21.0	23.0	15.0	18.4	26.6	21.6	24.1	30.4	27.4	28.7
22	21.0	17.1	18.8	24.4	17.9	20.5	25.2	23.4	24.2	31.2	26.7	28.6
23	17.7	14.8	16.0	23.7	20.4	21.9	25.3	21.4	23.2	32.4	27.2	29.6
24	14.8	13.0	13.6	23.2	18.8	21.1	22.9	20.6	21.8	30.7	25.5	27.6
25	14.9	13.3	13.9	25.3	20.3	22.6	21.1	19.0	19.8	28.0	24.4	25.8
26	20.3	14.9	17.7	26.6	22.6	24.3	19.1	17.4	18.2	31.8	26.0	28.5
27	20.3	19.4	19.8	25.4	22.9	24.2	21.2	18.1	19.5	32.8	27.9	29.8
28	23.8	19.1	21.1	25.9	22.7	24.2	20.3	19.1	19.6	31.5	28.0	29.6
29	---	---	---	27.2	23.7	25.0	23.1	18.2	20.2	29.1	26.8	27.7
30	---	---	---	25.5	22.8	24.5	26.3	20.8	23.1	27.4	24.4	26.2
31	---	---	---	22.8	17.7	19.9	---	---	---	27.9	24.9	26.3
MONTH	23.8	6.3	15.4	27.2	14.4	21.3	26.6	13.4	20.6	32.8	20.2	26.5

MISSISSIPPI RIVER DELTA

07381314 GRAND BAYOU TRIBUTARY WEST OF GALLIANO, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.4	24.6	26.6	33.8	29.4	31.1	29.7	27.8	28.6	33.1	29.1	31.0
2	29.8	24.8	27.5	34.8	29.4	31.8	32.1	26.8	29.0	33.9	29.9	31.8
3	30.4	25.7	28.1	35.1	30.7	32.7	32.5	29.3	30.9	33.0	29.5	31.2
4	30.8	26.1	28.5	36.0	31.4	33.2	31.1	30.0	30.5	32.1	29.4	30.7
5	31.0	27.2	28.9	34.5	28.1	31.3	32.3	29.8	30.8	31.5	28.3	29.7
6	30.7	26.9	28.5	32.5	28.1	29.9	32.8	30.1	31.0	29.5	27.2	28.1
7	30.5	27.4	28.6	32.4	29.2	30.4	31.9	29.0	30.5	28.6	27.6	28.0
8	30.6	27.2	28.5	30.9	29.2	29.8	31.5	29.6	30.4	29.4	26.4	27.9
9	31.0	26.7	28.7	30.1	28.5	29.1	32.6	28.6	30.3	29.5	27.7	28.6
10	30.5	27.3	29.0	33.4	28.2	29.9	31.6	29.5	30.7	30.0	27.7	28.9
11	32.6	28.0	29.8	33.7	29.7	31.3	32.7	29.5	31.2	29.6	27.1	28.6
12	32.0	28.9	30.1	33.4	29.9	31.2	33.9	29.5	31.6	29.9	27.0	28.8
13	31.4	28.8	30.1	31.5	29.0	30.2	35.1	30.3	32.2	31.7	27.8	29.7
14	31.3	28.6	29.9	33.1	28.1	30.1	35.4	30.6	32.7	33.2	28.7	30.7
15	32.8	29.4	30.7	34.3	28.9	31.2	34.7	30.3	32.4	33.2	29.0	30.5
16	32.7	28.5	30.7	31.2	29.6	30.6	34.4	30.2	32.0	32.8	29.2	30.6
17	30.9	28.5	29.7	30.4	25.9	28.2	32.8	30.5	31.9	32.5	29.3	30.5
18	28.8	26.3	27.2	28.3	24.8	26.6	34.2	31.5	32.5	31.7	29.1	30.4
19	28.2	26.3	27.1	32.2	26.6	28.8	34.7	31.2	32.8	31.6	28.6	30.0
20	32.2	26.8	29.1	32.7	29.1	30.6	33.7	31.5	32.5	30.3	28.0	29.2
21	33.0	28.2	30.3	34.0	29.6	31.3	33.7	30.5	31.9	30.5	28.1	29.3
22	33.1	29.2	31.0	33.1	30.4	31.4	33.6	29.1	31.3	31.1	28.5	29.8
23	34.3	29.6	31.4	31.2	27.7	29.5	31.3	27.9	29.8	30.5	27.9	29.0
24	30.8	29.4	29.9	31.9	28.3	30.0	30.6	26.1	28.6	29.2	27.0	28.0
25	29.4	28.2	28.8	33.8	29.8	31.6	31.3	25.8	28.6	28.0	25.8	26.8
26	31.1	28.3	29.5	34.3	30.5	32.2	31.5	27.4	29.4	27.6	23.8	25.7
27	31.8	29.2	30.4	33.0	29.9	31.4	31.4	27.4	29.6	26.9	23.9	25.8
28	32.6	28.7	30.6	35.1	30.9	32.6	31.1	28.5	30.3	27.9	24.5	26.3
29	33.3	28.6	30.9	32.9	29.6	31.2	31.9	28.3	30.3	29.4	25.6	27.3
30	31.1	29.2	30.1	32.9	29.2	30.5	33.0	28.9	30.7	31.0	26.2	28.4
31	---	---	---	31.1	29.0	29.9	32.9	29.6	31.2	---	---	---
MONTH	34.3	24.6	29.3	36.0	24.8	30.6	35.4	25.8	30.8	33.9	23.8	29.0

MISSISSIPPI RIVER DELTA

07381316 BAYOU JEAN LACROIX NEAR MONTEGUT, LA

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 southeast of Montegut. Prior to Oct. 1, 1994 published under the name Bayou Jean Lacroix at Cutoff Canal.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1994 to September 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.96 ft, Apr. 5, 1997; minimum recorded, 6.44 ft, Feb. 4, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.96 ft, Apr. 5; minimum, 7.08 ft, Jan. 17.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.88	9.03	9.46	10.06	9.16	9.63	10.52	8.89	9.39	9.27	8.74	8.96
2	9.91	9.10	9.49	9.90	8.12	8.82	9.45	8.91	9.09	9.24	8.70	8.95
3	9.72	8.86	9.32	9.02	8.43	8.67	9.40	8.70	8.97	9.55	8.63	9.12
4	9.93	9.17	9.53	9.26	8.68	8.97	9.23	8.30	8.75	9.94	8.76	9.34
5	10.26	9.26	9.85	9.45	8.95	9.10	9.24	8.94	9.12	9.88	8.82	9.31
6	9.61	9.22	9.43	9.80	9.30	9.43	9.63	8.68	9.11	9.38	8.42	8.92
7	10.32	9.55	9.78	10.12	9.54	9.79	9.63	8.74	9.06	9.40	8.03	8.73
8	10.79	9.73	10.42	9.68	8.40	8.81	9.24	7.84	8.54	9.96	8.51	9.22
9	9.78	9.49	9.64	9.45	7.93	8.62	9.39	8.13	8.74	---	---	---
10	9.79	8.83	9.33	9.44	8.36	8.80	9.41	8.15	8.79	9.31	8.31	8.83
11	9.37	8.63	8.94	9.41	8.15	8.73	9.71	8.29	8.97	9.19	7.90	8.44
12	9.47	8.81	9.17	9.41	8.12	8.72	9.76	8.42	9.06	8.75	7.57	8.00
13	9.71	8.84	9.26	9.30	8.19	8.78	9.55	8.23	8.87	8.20	7.13	7.84
14	9.98	8.98	9.49	9.46	8.18	8.79	9.37	8.38	8.91	8.84	7.90	8.24
15	10.00	8.91	9.48	9.86	8.67	9.20	9.44	8.59	9.05	9.74	8.82	9.20
16	10.00	9.08	9.58	10.79	9.86	10.18	9.62	8.87	9.40	9.33	7.87	8.44
17	10.34	9.28	9.79	10.94	9.86	10.34	9.19	8.65	8.86	8.80	7.08	7.96
18	10.19	8.64	9.40	10.27	9.62	9.94	9.04	8.24	8.51	8.73	7.59	8.16
19	9.49	8.88	9.24	10.08	9.65	9.81	8.61	7.57	8.08	8.98	7.65	8.28
20	9.95	9.11	9.53	10.18	9.57	9.87	8.76	7.70	8.22	9.10	7.74	8.35
21	9.84	9.29	9.56	10.18	9.56	9.88	9.40	8.02	8.66	9.39	8.10	8.71
22	10.32	9.33	9.96	9.86	8.68	9.33	9.80	8.39	9.00	9.43	8.43	8.97
23	9.49	8.65	9.09	10.27	9.08	9.59	9.74	8.47	9.07	9.56	8.29	8.89
24	9.83	9.16	9.49	10.80	9.17	9.75	9.73	8.27	8.73	9.72	8.88	9.35
25	10.44	9.28	9.65	10.80	9.10	9.71	9.25	7.71	8.31	9.64	8.31	8.93
26	10.57	9.54	10.08	9.19	8.08	8.60	9.69	8.48	9.02	9.67	8.58	9.04
27	10.30	9.32	9.85	9.22	8.01	8.50	9.69	8.76	9.25	9.85	9.03	9.39
28	10.19	9.11	9.66	9.33	8.16	8.75	9.63	8.56	9.08	9.54	8.28	8.98
29	10.26	9.22	9.72	10.06	8.90	9.28	9.51	8.74	9.13	9.15	8.25	8.65
30	10.27	9.20	9.67	10.53	9.33	9.86	9.33	8.47	8.90	9.01	8.49	8.73
31	9.89	8.87	9.38	---	---	---	9.21	8.66	8.94	9.34	8.55	8.87
MONTH	10.79	8.63	9.56	10.94	7.93	9.27	10.52	7.57	8.89	---	---	---

MISSISSIPPI RIVER DELTA

07381316 BAYOU JEAN LACROIX NEAR MONTEGUT, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.58	8.49	9.04	10.03	9.27	9.65	9.31	8.32	8.85	9.36	8.66	9.06
2	9.52	8.56	9.05	10.35	9.25	9.77	9.39	8.50	8.95	9.77	9.19	9.48
3	9.64	8.63	9.14	9.92	8.89	9.41	9.56	8.57	9.06	9.75	8.53	9.15
4	9.89	8.65	9.26	9.69	8.75	9.26	10.31	9.18	9.69	8.84	8.39	8.57
5	9.65	8.25	8.90	9.62	8.73	9.21	11.96	10.06	10.86	9.41	8.54	9.03
6	9.46	8.24	8.86	9.48	7.77	8.50	10.09	9.34	9.64	9.29	8.55	9.00
7	9.67	8.64	9.17	9.52	8.31	8.87	9.72	8.77	9.21	9.42	8.54	9.04
8	9.45	7.91	8.46	9.52	8.52	9.02	9.75	8.79	9.32	9.74	8.54	9.26
9	9.97	8.17	8.60	9.44	8.63	9.00	9.49	8.81	9.23	9.52	8.70	9.11
10	8.75	8.07	8.38	9.36	8.70	9.05	9.66	8.72	9.23	9.16	8.29	8.73
11	8.89	8.04	8.47	9.22	8.70	9.01	10.34	9.04	9.69	9.61	8.46	9.07
12	9.50	8.57	8.79	9.46	8.75	9.20	9.81	9.15	9.53	9.52	8.65	9.11
13	9.84	9.18	9.48	10.19	9.23	9.89	9.41	8.33	8.92	9.41	8.79	9.11
14	9.23	8.63	8.94	9.63	8.93	9.42	9.29	8.46	8.86	9.38	8.77	9.06
15	9.18	7.91	8.55	9.32	8.30	8.84	9.28	8.43	8.86	9.00	8.60	8.82
16	9.13	8.14	8.66	9.23	8.28	8.81	9.28	8.60	8.95	8.89	8.45	8.65
17	8.95	7.91	8.48	9.43	8.53	9.04	8.99	8.32	8.69	9.18	8.75	9.05
18	9.14	8.11	8.63	9.58	8.66	9.19	9.04	8.09	8.55	9.22	8.95	9.11
19	9.32	8.27	8.81	9.38	8.90	9.17	9.07	8.72	8.94	9.65	8.96	9.39
20	9.94	8.68	9.19	9.08	8.34	8.75	9.23	8.69	8.92	9.60	8.68	9.29
21	10.01	9.36	9.67	9.15	8.30	8.73	9.65	8.95	9.31	9.54	8.63	9.15
22	9.50	8.13	8.69	9.14	8.63	8.87	9.64	8.89	9.30	9.27	8.52	8.94
23	8.98	8.19	8.61	9.07	8.26	8.69	9.29	8.31	8.85	9.53	8.50	9.10
24	9.08	8.35	8.61	9.13	8.68	8.94	9.53	8.53	9.07	9.93	8.55	9.25
25	9.19	8.67	8.94	9.44	8.92	9.26	9.77	8.71	9.26	9.73	9.04	9.42
26	9.73	9.18	9.51	9.33	8.68	9.09	9.89	8.76	9.35	9.83	8.95	9.42
27	9.43	8.85	9.14	9.41	8.63	9.05	10.82	9.43	10.24	9.60	8.88	9.32
28	9.90	8.96	9.43	9.78	9.06	9.47	10.04	9.03	9.62	9.47	8.77	9.17
29	---	---	---	9.55	8.87	9.23	9.34	8.52	8.99	9.51	8.65	9.09
30	---	---	---	9.33	8.69	9.02	9.67	8.57	9.18	9.76	9.12	9.40
31	---	---	---	9.19	7.65	8.44	---	---	---	9.70	8.70	9.35
MONTH	10.01	7.91	8.91	10.35	7.65	9.09	11.96	8.09	9.24	9.93	8.29	9.12
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.23	8.66	8.91	9.40	8.47	9.04	9.18	8.20	8.78	9.33	8.69	9.07
2	9.42	8.54	9.05	9.36	8.36	8.92	9.38	8.17	8.88	9.35	8.80	9.12
3	9.22	8.37	8.91	9.03	8.19	8.69	9.45	8.54	9.08	9.29	8.74	8.96
4	9.35	8.37	8.92	9.17	8.13	8.71	9.41	8.68	9.10	9.08	8.63	8.92
5	9.61	8.49	9.08	9.28	8.27	8.81	9.10	8.66	8.94	9.34	8.85	9.05
6	9.72	8.59	9.25	9.41	8.32	8.90	9.19	8.61	8.89	9.88	9.34	9.61
7	9.73	8.85	9.32	9.41	8.46	8.99	9.07	8.67	8.93	10.01	9.29	9.62
8	9.65	8.69	9.23	9.21	8.50	8.89	9.24	8.68	9.02	9.98	9.26	9.64
9	9.62	8.90	9.31	9.18	8.47	8.85	9.35	8.68	9.04	10.08	9.16	9.64
10	9.83	8.92	9.44	9.08	8.55	8.85	9.30	8.57	8.97	9.99	9.05	9.51
11	10.02	9.42	9.73	8.90	8.60	8.73	9.16	8.55	8.90	9.79	8.86	9.36
12	9.88	9.48	9.69	8.92	8.46	8.72	9.29	8.57	8.96	9.68	8.94	9.33
13	9.94	9.44	9.71	9.00	8.32	8.75	9.32	8.54	8.96	9.72	8.91	9.36
14	9.87	9.32	9.64	9.18	8.32	8.88	9.49	8.57	9.05	9.66	8.95	9.37
15	9.54	9.09	9.34	9.53	8.75	9.15	9.68	8.63	9.17	9.65	8.95	9.36
16	9.98	9.21	9.58	9.63	8.80	9.27	9.89	8.69	9.39	9.69	9.10	9.43
17	10.26	9.18	9.82	10.19	8.80	9.64	9.81	8.80	9.37	9.69	9.18	9.39
18	10.17	8.96	9.61	9.27	8.38	8.98	9.63	8.76	9.25	9.65	9.00	9.36
19	9.76	8.87	9.33	9.51	8.37	8.98	9.62	8.71	9.26	9.87	9.00	9.41
20	9.71	8.78	9.27	9.34	8.34	8.89	9.44	8.87	9.19	9.97	9.11	9.55
21	9.84	8.66	9.31	9.34	8.34	8.90	9.10	8.68	8.90	10.04	8.89	9.45
22	9.72	8.77	9.26	9.20	8.36	8.84	9.23	8.61	8.84	9.84	8.90	9.36
23	9.44	8.64	9.06	9.23	8.41	8.86	9.29	8.63	8.96	10.02	9.05	9.52
24	9.44	8.39	8.95	9.03	8.51	8.80	9.35	8.65	9.01	10.03	9.24	9.64
25	9.34	8.61	9.07	8.99	8.63	8.82	9.37	8.50	8.96	9.84	8.46	9.16
26	9.20	8.81	8.99	8.99	8.55	8.82	9.55	8.79	9.18	9.19	8.54	8.92
27	9.08	8.71	8.88	9.12	8.45	8.83	9.74	8.83	9.30	9.25	8.76	9.06
28	9.11	8.68	8.92	9.20	8.53	8.91	9.53	8.72	9.16	9.27	8.84	9.14
29	9.47	8.71	9.14	9.33	8.46	8.98	9.42	8.71	9.14	9.08	8.73	8.92
30	9.53	8.63	9.15	9.34	8.34	8.85	9.46	8.74	9.17	9.00	8.70	8.83
31	---	---	---	9.39	8.37	8.93	9.42	8.81	9.19	---	---	---
MONTH	10.26	8.37	9.26	10.19	8.13	8.91	9.89	8.17	9.06	10.08	8.46	9.30

MISSISSIPPI RIVER DELTA
07381316 BAYOU JEAN LACROIX NEAR MONTEGUT, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1994 to September 1997 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1994 to September 1997 (discontinued).

WATER TEMPERATURES: January 1994 to September 1997 (discontinued).

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--The specific conductance values above 32,800 microsiemens were calculated from salinity values.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 38,700 microsiemens, May 27, 1996; minimum daily, 1,680 microsiemens, Jan. 8, 1996.

WATER TEMPERATURES: Maximum daily, 35.7°C, June 26, 1996; minimum daily, -0.3°C, Feb. 4, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 37,800 microsiemens, Nov. 20; minimum daily, 3,170 microsiemens, July 12.

WATER TEMPERATURES: Maximum daily, 35.0°C, July 4; minimum daily, 3.3°C, Dec. 20.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24100	17900	20500	34600	29600	31700	37200	27000	30000	24200	6410	14100
2	25100	19300	21700	34000	21900	28100	31700	23000	26700	21700	9750	14600
3	24600	15800	21400	27600	19100	21500	31700	19700	24200	25000	13200	17800
4	27000	19800	23400	31600	23100	27300	29900	17000	21700	28700	14100	20400
5	29000	20600	26300	34200	26400	29700	30900	22400	27100	26400	16500	21100
6	24300	17400	22700	36300	31400	33400	32000	22900	26300	23300	13300	18800
7	31200	23600	28300	36400	29900	33500	29000	24000	26000	26300	7360	15700
8	33300	23200	29200	29900	24200	27100	29100	16600	21800	30000	13600	22400
9	26100	23400	24900	32100	21300	25300	31900	18300	23600	---	---	---
10	26900	17400	21900	32300	23800	26100	31900	21100	25000	23000	10600	17200
11	28800	15300	20100	32100	19400	25200	31700	22800	26600	23000	8250	14600
12	31600	19800	24400	32500	22600	25900	32100	23800	27200	18800	6960	10200
13	32200	21700	26100	30400	22300	26200	31100	22500	26300	12900	3460	8360
14	33500	23200	27900	31100	22900	26700	30300	20300	25900	26200	10400	16100
15	34000	24400	28200	34900	27500	29900	31000	23700	26600	30100	23100	27800
16	34100	26200	29600	37500	34300	35500	31700	25100	28900	23100	13700	17600
17	35800	27300	30100	37700	33300	35200	27900	20100	24600	22900	12100	17100
18	34800	25800	29500	36600	33200	34600	24600	15400	18400	25600	14400	17700
19	31400	20700	27200	35000	31600	33200	22100	13800	16900	28100	14000	19000
20	34000	26700	29600	37800	32500	34600	28500	12500	19200	27800	16600	20300
21	33800	26900	29900	36100	31200	32700	30900	17400	24200	29400	18900	23600
22	35900	27400	31500	35400	28500	31100	31700	20200	26000	29500	19400	24400
23	31500	25900	28800	36000	28200	31900	31300	21700	26400	29600	20300	23800
24	34000	27300	30900	37300	30300	32300	31800	21300	25100	30400	22000	26300
25	34400	28500	31200	37300	29000	31700	28700	16200	20500	28900	21100	24300
26	35800	29600	32300	32200	23200	28200	31500	21300	25800	28900	14400	22400
27	35800	29900	32200	31800	20700	23900	31800	21300	24800	29700	20400	24600
28	35900	27900	31600	32200	20900	26700	27100	15100	21000	27200	15000	21700
29	34500	29800	31900	36900	25700	29500	25600	12000	19500	20300	11100	14200
30	34400	30100	31700	37100	28600	32200	23500	9050	14400	21700	9620	14400
31	34100	26000	30500	---	---	---	22600	7650	13800	22700	12100	16800
MONTH	35900	15300	27600	37800	19100	29700	37200	7650	23700	30400	3460	18900

MISSISSIPPI RIVER DELTA

07381316 BAYOU JEAN LACROIX NEAR MONTEGUT, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	27000	14800	19700	26000	17200	22300	22700	11100	16500	20800	15200	18200
2	27300	16300	20500	26600	19400	23200	23200	12600	17200	23300	17500	20000
3	28400	18400	22200	24600	18200	21500	24400	12700	18700	22300	15500	19300
4	28000	19100	22600	23900	14500	20300	27600	17100	23400	15500	10600	13000
5	24400	14600	20000	23200	13700	18600	28500	20600	25100	22800	10600	17100
6	25200	9190	17400	21300	11300	15200	24000	19600	22400	21700	14700	18000
7	27000	15000	20500	23200	10100	16600	21900	16100	18600	22600	15300	18300
8	20400	9150	14600	23400	13900	17400	25000	15400	20000	23800	16000	19900
9	20000	9400	15200	23800	13100	17100	24300	17500	20700	23000	17300	19400
10	19600	7540	12000	23500	14800	17700	25600	13800	19900	21700	14200	18000
11	22100	6490	12900	21600	14600	17900	27300	18000	22500	24000	12600	18500
12	24600	12200	19200	24200	15900	19900	25200	18700	22200	23200	15800	19100
13	27900	16500	22100	26700	17800	23400	22400	13000	18300	22300	17400	19300
14	23200	14500	18400	21300	17700	20100	21700	10400	14600	22000	17600	19100
15	21300	7710	12800	21700	12900	17100	21600	10700	15400	18500	14200	17300
16	24600	9120	14800	19700	9590	14400	22100	12000	15700	18200	10500	13100
17	23500	8450	14300	23000	10500	16500	14900	8750	12700	21400	12700	18900
18	25600	7040	15800	24600	13000	18400	20200	8660	12800	20800	16400	18800
19	28200	11100	18800	23200	15400	18400	21900	14800	18700	23900	16600	20500
20	29700	15100	23100	16800	9380	13300	22600	14800	17300	23000	17500	19900
21	29200	17600	23400	19300	6930	11700	25400	16500	21300	22800	17800	20000
22	20100	12500	15900	20100	12200	14700	24900	17100	20700	21600	14400	18400
23	19600	10300	13100	20300	7680	12600	21800	16600	19100	22100	10500	16900
24	21300	7940	13000	21900	12800	17200	25100	17100	20800	22500	15000	18400
25	23600	12300	18600	24900	14400	20200	26700	18700	23100	17400	14600	15900
26	27600	23600	26400	20400	14800	16900	24700	17000	21900	17800	13100	14900
27	26000	15000	19200	22300	9980	16100	27600	19500	24200	16400	12400	14300
28	27200	13300	19900	26000	13900	21400	21900	18100	20000	14200	10400	12500
29	---	---	---	23000	15700	18400	21300	16200	18800	11400	7280	9190
30	---	---	---	19500	14400	16600	22800	13400	17900	12300	9420	10400
31	---	---	---	21600	9290	13900	---	---	---	12200	8070	10100
MONTH	29700	6490	18100	26700	6930	17700	28500	8660	19400	24000	7280	17000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	8550	6140	6990	13800	7990	10800	10400	5630	8160	19200	14700	16600
2	10800	6120	8220	13200	5960	9650	11600	3810	7670	19700	14700	16900
3	11000	7490	9130	11200	4610	8100	13000	7060	9540	18400	11600	14900
4	12900	6810	9480	12800	4360	8380	12100	7810	9820	17100	11400	14900
5	14200	8610	11100	13900	7060	9590	10700	8160	9370	21100	13700	17100
6	14600	10200	12300	14500	7280	10200	10900	8220	9380	25200	18400	22600
7	15100	11400	13100	14400	8580	10800	9850	7020	8260	26100	18800	21500
8	14800	12100	13300	12700	8750	10300	11700	6390	9160	26100	19000	21600
9	15400	12800	13900	12000	5090	8680	12600	7490	9240	27000	18800	22200
10	16300	13300	14700	11300	4250	7670	12700	7020	9570	26400	17700	21600
11	16900	14200	15500	7500	3270	5210	11500	5520	8790	24300	14600	19900
12	16700	14500	15400	8840	3170	5360	13300	5830	9200	23700	14700	19600
13	15800	14000	14700	9380	3640	6040	13600	6380	9400	24300	15100	20100
14	15200	13800	14500	11400	3570	7310	14500	7740	10000	24300	17100	20200
15	14000	12500	13600	14800	7150	9830	15700	8580	11200	22800	17200	19600
16	15800	12500	14200	16000	8580	11200	16100	8780	12600	22900	16600	19200
17	16400	13600	15200	16400	8820	13000	16500	9840	12800	22400	12700	17400
18	16000	14200	15100	12000	5970	10100	15800	10400	12800	22300	13000	17900
19	15500	13800	14600	13400	5020	8680	15900	10800	13100	24200	14900	19000
20	13800	11600	12800	14300	5670	9190	14500	11600	12800	25000	17600	20300
21	13400	10800	12400	14000	5380	9290	12600	10200	11600	25500	16700	20200
22	14300	12200	13100	12800	7450	9170	13800	7690	10300	24800	16000	20000
23	14100	11100	12700	10800	7680	8650	15800	10800	13100	26300	18300	21300
24	13000	8150	11000	8350	4850	6590	16600	11200	13400	26300	18600	22000
25	13700	9610	11200	7570	4430	6120	17300	10200	13900	24900	15400	20000
26	10300	5860	8730	8350	4890	6910	19700	12100	15300	20600	10500	16900
27	9780	4500	6720	12500	6150	9290	20900	13500	16300	22300	10900	18400
28	10500	5040	7160	11800	6250	8680	19600	13700	16100	23400	16000	20100
29	14700	6680	10700	12300	7140	9090	19500	13700	16400	17900	14700	17300
30	15000	8760	11100	11200	7360	8500	20100	14300	16900	17100	13700	15600
31	---	---	---	11600	6290	8530	20600	14700	17500	---	---	---
MONTH	16900	4500	12100	16400	3170	8740	20900	3810	11700	27000	10500	19200

MISSISSIPPI RIVER DELTA

07381316 BAYOU JEAN LACROIX NEAR MONTEGUT, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.2	22.8	24.1	26.9	24.7	25.9	18.1	15.8	17.2	20.1	18.7	19.6
2	27.4	24.4	25.6	25.7	19.7	21.9	15.8	13.6	14.3	20.1	19.3	19.6
3	26.0	24.6	25.3	19.7	16.8	18.1	15.5	12.5	14.3	21.1	19.9	20.3
4	25.6	24.0	24.9	18.2	16.5	17.4	14.9	13.9	14.5	21.4	20.6	21.0
5	25.2	21.5	23.3	19.8	17.6	18.3	15.7	14.0	14.8	22.3	21.3	21.8
6	21.5	20.1	20.7	22.8	19.7	20.8	17.1	15.1	16.3	21.3	17.9	19.7
7	21.1	20.2	20.6	24.1	21.3	22.7	19.4	17.1	18.8	17.9	13.2	14.3
8	22.6	20.4	21.3	22.5	17.3	19.6	18.0	15.7	16.6	14.6	11.6	13.3
9	23.1	21.3	22.0	17.3	14.6	16.2	16.3	13.6	15.1	---	---	---
10	23.8	21.1	22.5	17.7	14.8	16.2	17.9	15.0	16.3	11.2	8.8	10.3
11	22.2	20.4	21.3	18.3	15.7	17.2	19.3	16.9	18.0	10.9	6.8	8.7
12	22.0	19.2	20.9	19.8	16.9	18.2	21.8	17.9	19.6	8.5	5.6	6.9
13	22.8	20.5	21.6	19.6	16.2	17.9	22.2	19.2	20.7	6.9	5.0	5.9
14	23.9	21.5	22.5	20.5	17.2	18.7	21.2	19.1	20.1	6.6	3.8	5.4
15	24.9	21.8	23.0	20.2	18.0	19.0	20.6	18.4	19.4	10.2	6.4	7.4
16	26.1	22.6	23.9	19.8	18.6	19.1	19.3	14.7	18.2	10.4	6.9	9.3
17	27.2	24.0	25.3	20.9	19.3	20.1	14.8	13.3	14.3	7.0	3.5	5.7
18	25.8	23.1	24.5	22.5	20.3	21.4	14.0	6.8	11.4	7.2	3.5	5.4
19	23.3	20.3	21.6	22.7	21.6	22.1	7.1	3.5	5.9	8.8	5.1	6.8
20	22.2	19.9	21.0	23.2	21.7	22.5	8.0	3.3	5.7	10.8	8.2	9.5
21	23.8	20.8	22.2	24.1	22.8	23.3	9.5	5.4	7.5	12.5	10.5	11.6
22	23.8	20.9	22.6	23.7	20.8	21.7	11.3	9.2	10.5	16.2	11.9	14.6
23	20.9	18.3	19.3	21.1	18.6	20.1	14.6	11.0	13.1	18.5	14.8	17.1
24	20.2	17.9	19.3	21.7	19.8	20.8	17.0	13.1	15.6	19.4	15.2	17.4
25	21.1	20.0	20.4	21.4	15.6	18.1	14.1	9.6	11.2	19.6	17.5	18.5
26	24.1	21.0	22.5	15.7	11.8	13.3	12.5	9.7	11.2	17.6	14.7	16.0
27	26.2	23.5	24.9	11.8	9.8	10.9	15.0	12.5	14.3	19.6	16.3	18.1
28	27.2	24.7	25.8	13.6	10.2	11.9	17.0	14.4	15.8	19.0	13.7	17.1
29	27.4	25.2	26.1	15.5	12.8	14.1	18.1	16.1	17.5	13.7	11.5	12.7
30	27.2	25.4	26.1	19.1	15.1	17.1	19.1	17.3	18.1	13.0	11.0	11.9
31	27.3	25.3	26.3	---	---	---	20.1	18.3	19.3	13.8	11.0	12.3
MONTH	27.4	17.9	22.9	26.9	9.8	18.8	22.2	3.3	15.0	22.3	3.5	13.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.1	13.5	14.3	23.9	21.9	22.7	19.0	17.2	18.2	25.2	22.4	23.3
2	18.0	15.7	16.2	23.4	21.8	23.0	19.4	16.6	18.1	27.0	23.9	25.1
3	18.4	17.6	17.9	21.8	19.5	20.8	19.5	18.2	19.0	28.1	24.5	25.9
4	18.9	18.0	18.5	21.7	20.0	20.7	21.2	19.3	20.1	25.3	22.5	23.6
5	18.8	16.6	17.8	23.2	21.5	22.2	21.9	20.8	21.3	25.4	23.0	23.9
6	16.6	13.2	14.7	22.7	16.5	18.8	24.8	21.0	22.7	26.8	23.3	24.9
7	15.5	13.1	14.4	18.5	14.8	17.1	24.4	21.9	23.4	28.1	24.1	25.9
8	15.2	11.6	12.9	19.5	16.7	18.1	22.9	19.3	21.4	28.3	24.9	26.3
9	12.3	9.9	10.9	21.7	19.0	20.3	21.7	18.7	20.1	30.0	25.4	27.1
10	12.7	9.3	10.7	22.9	20.3	21.7	21.7	19.7	20.7	27.6	21.4	24.6
11	11.7	9.3	10.7	24.0	22.0	22.7	21.0	20.3	20.7	22.8	20.6	21.8
12	11.4	10.6	11.0	23.7	22.3	23.1	21.4	20.0	20.5	23.8	20.8	21.8
13	14.0	11.4	12.8	22.3	21.3	21.9	20.3	15.7	17.4	25.7	21.8	23.3
14	13.5	10.6	12.4	24.1	21.1	22.2	15.7	14.3	15.0	27.5	23.2	24.8
15	12.0	8.8	10.6	21.9	17.0	19.5	17.7	13.3	15.0	29.3	24.4	26.0
16	14.2	10.1	11.8	17.4	15.5	16.3	20.8	15.9	17.7	27.8	25.3	26.2
17	14.4	11.9	13.2	17.7	15.4	16.6	21.6	18.1	19.6	27.4	25.7	26.4
18	15.8	12.7	14.4	20.8	16.8	18.4	20.1	17.6	18.7	29.1	25.8	27.0
19	17.3	15.5	16.6	21.4	20.2	20.8	21.8	17.3	19.4	28.5	25.6	27.2
20	19.6	17.0	18.8	20.2	16.4	18.2	25.0	20.2	21.7	29.6	26.6	27.9
21	21.9	19.0	20.5	19.3	15.4	17.2	25.9	21.9	23.3	30.3	27.9	28.7
22	20.7	16.5	18.3	22.2	17.5	19.4	25.3	23.1	24.5	30.9	27.2	28.5
23	17.5	14.7	15.4	21.4	19.5	20.6	24.4	20.2	22.3	31.1	27.4	28.9
24	15.0	13.3	14.0	22.3	19.7	21.3	22.3	20.3	21.6	29.4	25.7	27.9
25	15.0	13.7	14.2	25.1	21.0	22.7	20.4	18.8	20.0	27.4	24.3	25.5
26	20.5	15.0	17.7	25.5	23.0	24.0	18.9	17.6	18.2	30.4	25.8	27.7
27	20.1	19.0	19.5	24.4	23.0	23.8	20.4	18.1	19.2	31.4	27.7	29.1
28	22.4	18.9	20.4	25.3	23.4	23.9	19.9	18.4	19.0	30.6	28.3	29.2
29	---	---	---	26.9	23.8	24.9	22.6	17.4	19.2	28.4	26.7	27.4
30	---	---	---	25.3	22.6	24.5	23.9	20.6	21.8	26.9	26.1	26.5
31	---	---	---	22.6	16.8	18.7	---	---	---	28.4	25.7	26.8
MONTH	22.4	8.8	15.0	26.9	14.8	20.8	25.9	13.3	20.0	31.4	20.6	26.1

MISSISSIPPI RIVER DELTA

07381316 BAYOU JEAN LACROIX NEAR MONTEGUT, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	28.2	25.0	26.4	32.8	30.0	31.2	30.4	27.2	29.3	32.5	30.0	31.1
2	28.5	26.1	27.0	33.6	30.7	31.7	30.3	27.1	28.4	32.4	31.2	31.7
3	29.8	26.3	27.7	34.7	30.9	32.3	32.5	29.2	30.4	31.7	29.7	30.6
4	29.7	27.2	28.0	35.0	31.2	32.7	31.6	30.3	31.0	31.2	28.7	29.8
5	28.8	26.8	27.8	33.4	28.0	31.5	32.6	29.4	30.6	30.1	27.1	28.9
6	29.1	26.8	27.8	31.1	27.6	29.5	32.0	30.2	30.9	29.7	26.9	28.2
7	28.9	26.7	27.5	31.4	29.1	30.1	31.6	29.7	30.4	29.2	26.3	27.8
8	28.2	26.8	27.5	30.1	28.5	29.5	31.1	29.0	30.4	30.7	27.2	28.6
9	28.6	26.1	27.3	29.3	28.3	28.8	32.1	29.0	30.4	31.2	28.0	29.4
10	29.1	27.1	28.0	32.9	28.0	29.9	32.7	30.3	31.3	31.7	28.6	29.8
11	30.9	27.7	28.8	34.3	29.4	31.3	32.0	30.7	31.4	31.8	28.4	29.9
12	32.3	28.9	30.0	34.3	30.8	32.0	33.6	30.3	31.7	30.6	28.5	29.6
13	30.8	29.1	29.8	32.2	29.0	31.0	34.5	30.5	32.3	31.8	28.7	30.0
14	31.2	28.0	29.7	31.5	29.0	30.0	33.7	31.1	32.4	32.1	29.7	30.6
15	32.7	29.4	30.9	32.8	29.3	30.9	33.6	30.9	32.2	31.9	30.0	30.7
16	32.2	29.7	31.0	32.0	29.4	30.8	33.1	30.7	31.8	31.4	30.1	30.8
17	31.2	27.9	29.9	30.0	25.7	28.2	33.7	31.0	32.0	31.5	29.4	30.3
18	28.7	26.7	27.6	27.5	25.1	26.2	33.6	31.6	32.5	30.7	28.5	29.9
19	28.2	26.6	27.2	30.6	26.7	28.1	34.5	31.9	32.8	30.8	28.8	29.9
20	30.2	27.1	28.3	30.9	28.6	29.4	33.0	31.5	32.5	31.0	28.4	29.7
21	31.4	28.5	29.6	32.4	28.6	30.0	32.8	30.2	31.3	31.7	28.6	29.9
22	32.3	29.1	30.3	31.8	29.3	30.6	31.2	29.6	30.3	31.6	28.9	30.2
23	32.7	29.7	30.8	30.7	28.1	29.7	31.2	28.7	29.8	30.5	28.5	29.1
24	30.5	29.0	29.8	32.3	28.3	29.7	31.0	27.7	29.1	29.0	27.6	28.1
25	29.4	27.8	28.7	34.0	29.9	31.4	31.5	27.0	29.1	28.1	25.4	26.8
26	30.9	27.8	28.9	33.7	30.8	31.9	31.5	28.4	29.6	27.0	24.7	25.7
27	31.1	28.8	29.7	34.6	31.0	32.3	32.4	28.6	30.3	27.1	25.2	26.1
28	32.6	29.4	30.7	34.4	31.5	32.7	32.6	29.3	30.9	28.3	25.9	26.7
29	33.0	29.4	31.1	33.3	29.0	31.3	32.1	29.6	30.8	29.9	25.7	27.3
30	31.9	30.1	30.9	32.7	28.8	30.5	33.1	30.1	31.3	29.8	26.6	27.9
31	---	---	---	32.0	29.7	30.8	33.6	30.5	31.8	---	---	---
MONTH	33.0	25.0	29.0	35.0	25.1	30.5	34.5	27.0	30.9	32.5	24.7	29.2

MISSISSIPPI RIVER DELTA

07381323 BAYOU DU LARGE AT THERIOT, LA

LOCATION.--Lat 29°27'45", long 90°45'05", sec. 27, T. 18 S., R. 17 E., Terrebonne Parish, Hydrologic Unit 08090302. Located in canal near bridge off Highway 315, 0.2 mi north of Marmande Canal, at Theriot.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--November 1994 to September 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record..

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.69 ft, Apr. 5, 12, 13, 1997; minimum recorded, 5.46 ft, Mar. 9, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.69 ft, Apr. 5, 12, 13; minimum, 6.00 ft, Jan. 13.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.06	6.93	7.02	7.27	7.03	7.16	7.42	7.16	7.32	6.78	6.66	6.71
2	7.10	7.01	7.06	7.15	6.76	6.97	7.16	7.02	7.08	6.80	6.68	6.73
3	7.07	6.99	7.04	6.76	6.60	6.68	7.10	6.88	7.00	7.00	6.70	6.79
4	7.05	6.99	7.03	6.73	6.60	6.68	6.88	6.70	6.77	7.12	6.89	6.97
5	7.08	7.03	7.05	6.73	6.64	6.68	6.92	6.74	6.88	7.15	6.86	6.99
6	7.11	7.06	7.09	7.03	6.73	6.88	7.04	6.78	6.85	6.99	6.64	6.78
7	7.33	7.11	7.20	7.49	7.03	7.23	7.10	6.78	6.94	6.84	6.68	6.76
8	7.55	7.33	7.47	7.27	6.85	7.03	6.78	6.47	6.59	7.08	6.74	6.85
9	7.53	7.26	7.35	6.85	6.61	6.69	6.68	6.48	6.57	7.14	6.80	7.01
10	7.27	7.14	7.21	6.79	6.59	6.70	6.78	6.57	6.68	6.80	6.62	6.69
11	7.14	7.02	7.06	6.61	6.45	6.53	6.85	6.65	6.74	6.65	6.37	6.50
12	7.05	6.97	7.01	6.69	6.45	6.56	6.98	6.72	6.85	6.41	6.16	6.29
13	7.01	6.92	6.97	6.69	6.47	6.57	6.95	6.63	6.79	6.16	6.00	6.09
14	7.15	6.99	7.06	6.71	6.45	6.57	6.83	6.60	6.70	6.31	6.01	6.07
15	7.21	7.01	7.11	6.80	6.53	6.69	6.86	6.65	6.76	7.00	6.31	6.68
16	7.22	7.05	7.13	7.25	6.75	7.02	7.13	6.71	6.98	6.99	6.33	6.65
17	7.31	7.09	7.21	7.49	7.25	7.41	6.94	6.63	6.73	6.33	6.02	6.14
18	7.31	6.99	7.17	7.45	7.30	7.38	6.69	6.45	6.58	6.27	6.09	6.18
19	6.99	6.89	6.95	7.37	7.25	7.32	6.45	6.24	6.32	6.29	6.09	6.16
20	7.17	6.90	7.06	7.43	7.26	7.33	6.29	6.11	6.20	6.31	6.09	6.19
21	7.18	6.99	7.09	7.45	7.41	7.43	6.58	6.20	6.32	6.49	6.25	6.34
22	7.39	7.05	7.23	7.41	7.19	7.25	6.79	6.55	6.64	6.69	6.49	6.61
23	7.18	6.94	7.00	7.31	7.19	7.25	6.89	6.65	6.76	6.73	6.45	6.58
24	7.05	6.93	6.96	7.45	7.23	7.31	6.98	6.49	6.76	7.21	6.62	7.06
25	7.17	7.02	7.10	7.56	7.34	7.47	6.49	6.19	6.32	7.17	6.75	6.94
26	7.36	7.15	7.29	7.34	7.09	7.21	6.86	6.39	6.59	6.81	6.63	6.71
27	7.37	7.18	7.28	7.09	6.90	6.99	7.28	6.86	7.19	7.05	6.81	6.96
28	7.35	7.15	7.24	6.98	6.80	6.90	7.16	6.98	7.07	7.11	6.82	6.99
29	7.33	7.17	7.25	7.08	6.82	6.96	7.05	6.93	7.00	6.82	6.61	6.68
30	7.37	7.13	7.27	7.41	7.08	7.27	6.96	6.80	6.88	6.65	6.52	6.58
31	7.25	7.03	7.13	---	---	---	6.84	6.70	6.77	6.63	6.50	6.54
MONTH	7.55	6.89	7.13	7.56	6.45	7.00	7.42	6.11	6.76	7.21	6.00	6.62

MISSISSIPPI RIVER DELTA

07381323 BAYOU DU LARGE AT THERIOT, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.89	6.55	6.66	7.27	7.12	7.20	7.13	7.06	7.09	7.45	7.35	7.40
2	6.90	6.65	6.75	7.42	7.17	7.27	7.11	7.05	7.09	7.43	7.35	7.38
3	6.90	6.65	6.77	7.40	7.20	7.26	7.12	7.05	7.09	7.42	7.31	7.38
4	7.07	6.83	6.91	7.21	7.11	7.15	7.31	7.12	7.20	7.31	7.17	7.23
5	7.08	6.67	6.82	7.17	7.11	7.13	7.69	7.31	7.57	7.19	7.15	7.17
6	6.77	6.57	6.66	7.12	6.80	6.91	7.65	7.57	7.60	7.15	7.09	7.13
7	6.87	6.67	6.76	6.83	6.73	6.78	7.60	7.55	7.58	7.11	7.05	7.08
8	6.87	6.39	6.63	6.92	6.80	6.85	7.55	7.53	7.54	7.21	7.02	7.10
9	6.39	6.31	6.36	6.90	6.77	6.84	7.53	7.50	7.51	7.17	7.05	7.10
10	6.39	6.29	6.35	6.86	6.76	6.82	7.50	7.44	7.46	7.09	6.91	6.96
11	6.37	6.20	6.25	6.83	6.76	6.79	7.61	7.45	7.52	7.07	6.88	6.94
12	7.01	6.34	6.42	6.90	6.76	6.81	7.69	7.59	7.65	7.09	6.92	6.99
13	7.25	7.01	7.19	7.39	6.90	7.27	7.69	7.61	7.64	7.09	6.93	6.99
14	7.12	7.01	7.08	7.32	7.16	7.24	7.61	7.57	7.58	6.99	6.89	6.94
15	7.01	6.81	6.88	7.16	7.04	7.07	7.57	7.51	7.53	6.93	6.76	6.83
16	6.84	6.72	6.77	7.05	6.92	6.96	7.52	7.47	7.48	6.76	6.64	6.67
17	6.74	6.55	6.63	7.00	6.92	6.95	7.47	7.37	7.42	6.91	6.66	6.76
18	6.58	6.50	6.54	7.09	6.97	7.01	7.37	7.29	7.32	6.93	6.83	6.86
19	6.61	6.52	6.56	7.17	7.09	7.14	7.30	7.25	7.28	7.14	6.84	7.00
20	6.88	6.59	6.68	7.11	6.97	7.03	7.25	7.22	7.23	7.13	6.96	7.05
21	7.39	6.88	7.22	6.97	6.91	6.93	7.31	7.21	7.26	7.11	6.89	7.00
22	7.18	6.84	6.99	6.94	6.89	6.92	7.32	7.25	7.28	7.05	6.93	6.97
23	6.84	6.68	6.75	6.89	6.79	6.83	7.27	7.19	7.21	7.03	6.87	6.94
24	6.72	6.67	6.70	6.88	6.81	6.85	7.19	7.12	7.15	7.17	6.87	7.00
25	6.74	6.67	6.69	7.11	6.87	7.01	7.16	7.09	7.13	7.47	7.14	7.37
26	7.19	6.74	6.98	7.07	7.00	7.03	7.34	7.15	7.28	7.44	7.39	7.42
27	7.18	6.98	7.06	7.07	6.97	7.02	7.63	7.33	7.46	7.39	7.33	7.35
28	7.20	6.94	7.05	7.25	7.07	7.15	7.63	7.55	7.60	7.43	7.31	7.35
29	---	---	---	7.20	7.17	7.18	7.55	7.48	7.52	7.63	7.34	7.41
30	---	---	---	7.24	7.12	7.19	7.48	7.45	7.46	7.69	7.55	7.59
31	---	---	---	7.21	7.10	7.13	---	---	---	7.55	7.40	7.49
MONTH	7.39	6.20	6.75	7.42	6.73	7.02	7.69	7.05	7.39	7.69	6.64	7.12
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.40	7.25	7.32	7.14	6.98	7.08	6.85	6.65	6.76	6.79	6.61	6.70
2	7.25	7.10	7.20	7.00	6.87	6.94	6.79	6.53	6.65	---	---	---
3	7.10	6.92	7.02	6.87	6.67	6.76	6.89	6.60	6.73	---	---	---
4	6.94	6.83	6.88	6.75	6.57	6.65	6.86	6.61	6.73	6.69	6.50	6.57
5	6.99	6.79	6.87	6.84	6.57	6.69	6.74	6.54	6.59	6.68	6.53	6.58
6	7.02	6.77	6.89	6.92	6.68	6.79	6.79	6.42	6.57	7.06	6.68	6.87
7	7.07	6.85	6.95	6.96	6.70	6.83	6.65	6.53	6.60	7.16	7.00	7.08
8	7.01	6.83	6.91	7.02	6.75	6.88	7.13	6.55	6.77	7.16	7.01	7.10
9	7.01	6.86	6.94	6.90	6.77	6.83	7.05	6.79	6.94	7.24	7.03	7.14
10	7.12	6.89	6.97	6.81	6.70	6.75	6.89	6.71	6.79	7.21	7.00	7.12
11	7.33	7.12	7.28	6.75	6.63	6.68	6.77	6.55	6.67	7.08	6.87	7.01
12	7.35	7.23	7.29	6.72	6.65	6.67	6.75	6.54	6.64	7.02	6.84	6.92
13	7.35	7.25	7.30	6.81	6.63	6.72	6.80	6.55	6.67	7.06	6.83	6.95
14	7.31	7.22	7.29	6.77	6.69	6.72	6.85	6.51	6.68	7.05	6.82	6.93
15	7.22	7.09	7.17	6.99	6.68	6.85	6.91	6.55	6.73	7.02	6.84	6.92
16	7.31	7.09	7.20	7.11	6.80	6.95	7.01	6.62	6.82	7.02	6.86	6.92
17	7.40	7.16	7.30	7.23	6.89	7.09	7.05	6.75	6.89	7.01	6.86	6.92
18	7.51	7.27	7.39	7.18	6.89	7.03	6.97	6.75	6.85	7.01	6.82	6.92
19	7.43	7.31	7.36	6.96	6.79	6.87	6.97	6.71	6.83	7.03	6.86	6.95
20	7.35	7.28	7.31	6.89	6.69	6.78	6.89	6.73	6.80	7.15	6.96	7.05
21	7.33	7.21	7.27	6.82	6.59	6.71	6.81	6.53	6.64	7.18	6.93	7.05
22	7.27	7.18	7.23	6.71	6.51	6.62	6.58	6.41	6.48	7.10	6.88	7.00
23	7.22	7.09	7.13	6.76	6.48	6.63	---	---	---	7.20	6.88	7.07
24	7.10	6.95	7.03	6.71	6.57	6.61	6.71	6.51	6.61	7.24	6.98	7.12
25	7.08	6.98	7.03	6.60	6.51	6.54	6.71	6.45	6.59	7.08	6.69	6.95
26	7.03	6.95	6.99	6.53	6.43	6.50	---	---	---	6.70	6.53	6.64
27	6.99	6.91	6.95	6.61	6.37	6.52	---	---	---	6.72	6.50	6.61
28	7.05	6.88	6.94	6.68	6.37	6.52	---	---	---	6.76	6.59	6.67
29	7.30	6.93	7.09	6.73	6.43	6.58	---	---	---	6.64	6.48	6.55
30	7.25	7.10	7.16	6.69	6.48	6.58	---	---	---	6.48	6.39	6.42
31	---	---	---	6.96	6.43	6.66	6.87	6.59	6.72	---	---	---
MONTH	7.51	6.77	7.12	7.23	6.37	6.74	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA
07381323 BAYOU DU LARGE AT THERIOT, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1994 to September 1997, discontinued.

WATER TEMPERATURES: November 1994 to September 1997, discontinued.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

REMARKS.--Water-quality data missing Aug. 23, 26-30 and Sep. 2, 3 due to data transmission problems. Extremes could have been more or less during periods of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,000 microsiemens, Nov. 19, 1996; minimum daily, 134 microsiemens, Mar. 30, 1997.

WATER TEMPERATURES: Maximum daily, 34.1 °C, Aug. 17, 1997; minimum daily, 3.2 °C, Feb. 5, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,000 microsiemens, Nov. 19; minimum daily, 134 microsiemens, Mar. 30.

WATER TEMPERATURES: Maximum daily, 34.1 °C, Aug. 17; minimum daily, 4.3 °C, Jan. 14.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	9370	6280	7630	5800	4540	5070	1480	1290	1370
2	2060	1290	1520	9030	5240	6710	5150	4460	4650	1510	1290	1410
3	1800	1190	1480	6300	5480	5960	4660	4270	4490	1640	1490	1590
4	1820	1200	1470	6710	6210	6520	4950	4350	4500	1640	1280	1420
5	1390	1160	1250	6780	6680	6750	5080	4680	4970	1330	1280	1310
6	1240	1180	1210	6720	4930	5710	4680	3060	4370	1310	1250	1280
7	19900	1060	5320	6520	4930	5330	4000	2740	3190	1250	1100	1170
8	22900	19800	20800	6190	4120	5370	4740	4000	4300	1210	1100	1120
9	24400	11000	20400	6110	5440	5720	5380	4640	4890	1270	953	1130
10	11000	3420	5610	5780	5180	5520	5700	3060	5090	1110	953	1040
11	6760	3740	4480	5270	4940	5130	5580	2880	3860	1180	1100	1130
12	8300	6450	7160	5100	3680	4050	4090	2680	2840	1240	1180	1210
13	10000	7340	8540	3810	3560	3680	3980	2560	2990	1250	1240	1240
14	13000	8400	9780	3730	2940	3500	4860	3980	4530	1320	1240	1260
15	11100	8770	9180	3750	2870	3200	5030	3520	4710	1380	1300	1350
16	9760	8650	8960	3620	2830	2890	4930	2800	3230	1400	1380	1390
17	9170	8680	8760	26000	3020	19300	3880	2620	3340	1440	1210	1370
18	8720	8550	8620	29800	23700	26900	2620	2270	2370	1320	1170	1250
19	8570	7730	7990	33000	28500	31600	3250	2500	2840	1330	1200	1270
20	8580	7830	8170	28900	22300	26300	3480	2680	3240	1480	1330	1410
21	8850	7870	8210	22300	20400	21300	2830	2440	2660	1510	1330	1450
22	8470	8150	8300	21100	13300	18100	2680	2390	2530	1290	1210	1260
23	8360	7150	7760	20100	16500	18000	2540	2390	2490	1320	1240	1280
24	9030	7140	7630	16700	14300	15800	2490	2380	2450	1290	600	918
25	8970	7500	7990	15900	11800	13900	2520	2080	2450	644	555	600
26	8160	7530	7900	13800	8330	11000	2140	1830	2080	1110	559	727
27	8390	7580	8070	8380	7100	7580	1830	1080	1270	1130	1060	1100
28	10600	8040	9280	7200	6960	7060	1290	1210	1250	1110	456	757
29	10800	8250	9380	7140	5350	6820	1400	1180	1300	785	460	562
30	15400	8000	12500	5830	5120	5490	1240	848	1050	879	641	707
31	10400	6010	8710	---	---	---	1330	1160	1280	1100	742	875
MONTH	24400	1060	7880	33000	2830	10400	5800	848	3230	1640	456	1160

MISSISSIPPI RIVER DELTA

07381323 BAYOU DU LARGE AT THERIOT, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1140	1010	1090	653	441	518	169	140	157	367	361	363
2	1150	1120	1130	690	434	498	189	169	179	369	362	365
3	1180	1150	1160	501	436	451	198	187	192	372	368	370
4	1220	954	1100	621	453	530	201	195	197	374	367	370
5	1080	702	845	643	402	547	569	197	348	377	374	375
6	1130	719	889	1040	607	865	---	---	---	378	374	376
7	1070	961	1010	1180	978	1050	450	433	440	383	376	380
8	1090	754	919	1180	513	902	464	435	454	393	383	386
9	838	759	785	1250	414	921	467	461	464	392	384	388
10	1750	838	1120	1430	518	1080	465	457	461	451	390	407
11	2280	1750	1970	1430	399	1170	463	208	320	1070	408	693
12	2380	1280	2170	1190	262	571	456	185	215	441	379	409
13	1280	187	352	641	255	564	216	201	212	412	379	404
14	698	189	433	524	392	459	228	213	222	415	399	412
15	952	698	878	588	446	525	235	227	231	651	414	457
16	1240	936	1060	1250	588	939	242	233	237	1120	651	965
17	1400	1240	1280	1550	613	1260	252	241	246	1310	393	973
18	1590	1400	1500	847	521	711	265	252	257	416	375	396
19	1590	1370	1470	487	375	431	277	265	268	421	370	391
20	1400	1170	1330	449	377	404	287	277	280	428	376	404
21	1170	439	800	421	393	411	294	286	289	725	377	415
22	955	363	497	436	416	422	307	294	300	756	401	494
23	1320	955	1150	464	436	446	321	307	313	826	432	686
24	1490	1320	1410	480	455	466	327	321	323	656	435	550
25	1580	1370	1460	495	395	467	329	324	326	580	403	474
26	1620	926	1180	497	473	485	518	252	304	453	367	414
27	931	358	735	498	477	490	327	299	310	440	383	411
28	799	373	630	477	457	464	337	327	334	383	233	309
29	---	---	---	465	164	175	351	337	344	404	263	320
30	---	---	---	419	134	162	393	347	365	311	229	271
31	---	---	---	155	135	141	---	---	---	270	208	235
MONTH	2380	187	1080	1550	134	598	569	140	296	1310	208	447

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	442	234	329	483	209	280	1180	180	696	764	727	743
2	542	251	363	837	378	734	1110	935	1030	---	---	---
3	598	316	471	888	816	860	1150	908	1030	---	---	---
4	759	575	676	959	885	921	1070	900	1000	779	722	748
5	740	465	621	1020	545	804	1160	955	1070	789	679	747
6	781	451	612	973	585	759	1200	704	1030	730	678	707
7	472	453	463	787	579	648	877	209	520	823	690	761
8	539	458	486	792	274	490	819	307	668	5060	688	1940
9	666	475	531	932	297	563	570	378	508	15500	1910	12100
10	644	485	537	1090	593	961	653	568	624	17300	10600	15000
11	486	398	438	1190	970	1070	688	621	648	16600	5740	10200
12	540	398	442	1020	845	960	767	526	718	9520	4130	5520
13	473	421	437	911	248	547	797	465	645	5150	2960	4040
14	421	347	378	792	370	624	831	611	679	3690	2600	3190
15	654	364	523	902	707	826	648	586	615	3250	2580	2900
16	708	410	561	871	723	783	647	551	615	2830	2350	2590
17	472	365	423	780	305	554	665	639	648	2650	2360	2470
18	370	282	331	694	207	404	673	650	662	2670	2400	2580
19	379	326	356	784	694	739	681	662	674	3410	2400	3110
20	416	261	327	861	717	775	685	664	676	8630	2950	6460
21	529	289	375	854	677	765	685	635	651	11100	7150	10100
22	672	348	490	847	584	698	733	603	691	11100	8790	10400
23	760	449	625	816	651	737	---	---	---	11400	8440	10500
24	829	573	725	896	690	798	694	664	686	11300	9910	10600
25	810	703	753	1040	796	930	731	682	713	10300	7360	9340
26	875	779	825	1180	1030	1130	---	---	---	7360	6680	6840
27	955	809	881	1220	805	958	---	---	---	6880	6780	6840
28	980	825	881	1280	810	959	---	---	---	6840	5420	6270
29	888	382	772	868	557	794	---	---	---	6610	4070	5790
30	443	172	273	1210	545	893	---	---	---	4550	2400	3890
31	---	---	---	1580	545	1120	770	739	756	---	---	---
MONTH	980	172	530	1580	207	777	1200	180	730	17300	688	5580

D MISSISSIPPI RIVER DELTA

07381323 BAYOU DU LARGE AT THERIOT, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	25.9	24.0	24.7	19.5	15.9	18.1	20.2	19.5	19.8
2	24.7	23.8	24.2	25.0	19.9	22.6	15.9	13.2	14.0	20.5	19.5	20.0
3	24.9	24.3	24.6	19.9	17.1	18.2	14.2	12.1	13.3	20.3	20.0	20.1
4	24.5	23.6	24.1	17.3	15.4	16.5	14.7	13.2	14.1	22.1	20.2	21.2
5	24.2	22.2	23.5	19.5	17.1	18.2	16.3	14.1	14.9	23.3	21.8	22.4
6	22.2	20.5	21.4	19.5	18.2	18.7	17.8	15.0	16.4	21.9	16.8	19.7
7	23.1	19.9	21.1	22.8	19.5	21.2	19.3	17.6	18.4	16.8	12.7	14.4
8	23.5	21.5	22.5	21.6	18.0	19.5	17.6	15.3	16.2	12.8	11.8	12.4
9	23.4	21.9	22.5	18.0	15.4	16.4	15.8	13.5	14.8	13.1	10.6	12.0
10	23.1	21.0	22.2	16.6	14.2	15.7	16.9	13.8	15.0	12.8	9.3	10.9
11	21.9	20.1	21.2	17.6	14.7	16.3	18.3	16.2	16.9	11.7	8.0	9.8
12	21.4	19.4	20.6	17.9	16.0	17.0	19.5	18.2	18.8	9.2	6.6	7.5
13	22.0	20.2	21.2	18.2	15.9	16.9	20.5	18.9	19.7	6.6	5.5	5.9
14	22.4	20.7	21.5	19.1	16.1	17.3	20.1	18.3	19.0	7.5	4.3	5.8
15	22.1	20.7	21.5	19.0	16.8	17.8	19.5	17.8	18.6	11.9	7.5	9.4
16	23.2	21.4	22.2	19.6	18.5	19.0	19.3	16.5	18.6	12.8	9.5	10.8
17	26.0	22.9	24.3	21.0	19.2	20.1	16.5	14.1	15.0	9.7	6.4	8.1
18	25.7	21.5	24.4	21.9	20.2	21.2	14.1	9.0	11.7	9.2	5.8	7.5
19	21.5	19.5	20.3	21.8	21.0	21.4	9.0	6.3	7.6	11.2	6.7	8.4
20	21.2	18.7	19.9	22.8	21.6	22.1	8.0	5.0	6.7	13.4	8.2	10.3
21	21.9	19.6	20.5	24.1	22.5	23.2	11.4	7.1	8.6	16.2	11.2	13.2
22	22.8	21.0	21.9	23.9	21.2	22.6	13.0	10.5	11.1	19.2	15.0	16.9
23	21.0	17.8	19.3	21.3	20.3	20.7	15.5	13.0	14.1	19.7	17.7	18.4
24	19.9	17.7	18.7	21.6	20.3	20.9	17.0	14.6	16.2	19.5	17.4	18.6
25	20.9	19.5	20.0	21.4	17.5	19.5	14.6	10.3	12.1	19.3	16.6	18.5
26	23.9	20.9	22.4	17.8	13.5	15.1	13.6	11.0	11.8	16.6	14.2	15.6
27	26.2	23.7	24.7	13.5	11.3	12.3	16.2	13.6	15.8	20.1	16.3	18.4
28	25.6	24.8	25.0	15.2	11.9	13.4	17.4	15.9	16.5	19.5	14.3	17.5
29	25.6	24.3	25.0	17.0	14.8	15.7	17.9	17.1	17.4	14.3	12.8	13.4
30	26.5	24.9	25.5	19.1	16.3	17.7	19.6	17.7	18.5	14.2	12.2	13.0
31	25.3	24.5	25.0	---	---	---	20.3	19.0	19.6	13.6	11.9	12.8
MONTH	26.5	17.7	22.4	25.9	11.3	18.7	20.5	5.0	15.1	23.3	4.3	14.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	17.2	13.5	14.6	23.2	21.4	22.2	20.0	18.7	19.4	26.6	22.3	24.1
2	18.3	16.6	17.4	23.6	22.2	22.8	21.1	18.3	19.3	26.0	23.7	24.8
3	19.7	18.0	18.6	23.1	20.3	21.7	20.7	19.3	19.9	27.8	24.5	25.8
4	20.2	19.0	19.6	21.7	19.2	20.7	21.8	19.9	20.8	26.4	22.7	24.5
5	20.4	17.7	19.0	24.3	21.3	22.7	21.9	21.3	21.6	26.0	22.0	23.8
6	17.8	14.2	16.0	23.5	18.7	20.4	24.4	20.4	22.2	26.5	22.0	23.9
7	16.2	14.6	15.2	21.0	16.3	18.7	24.0	21.3	22.7	26.9	22.5	24.5
8	15.9	12.7	14.1	22.1	18.2	19.7	22.4	20.0	20.9	26.7	23.8	25.1
9	12.7	11.0	11.5	22.3	20.1	21.1	22.0	18.9	20.3	28.5	24.4	26.2
10	14.2	10.5	11.8	23.0	20.8	21.6	22.7	19.6	21.1	27.3	21.7	23.8
11	14.1	9.6	11.9	24.1	21.6	22.6	21.5	20.5	21.0	22.2	20.8	21.4
12	12.2	11.3	11.7	23.5	22.1	22.8	21.1	20.1	20.6	23.2	21.0	21.9
13	15.2	11.9	13.5	23.4	21.3	22.1	20.2	18.1	18.9	26.2	21.9	23.5
14	14.8	11.0	12.6	25.1	21.4	23.1	18.1	16.1	16.8	26.7	23.7	25.0
15	14.7	9.2	11.8	23.3	19.0	20.6	18.3	15.2	16.7	27.9	24.3	25.9
16	15.7	10.1	13.0	19.0	17.4	18.2	20.8	16.8	18.6	28.1	24.5	26.3
17	17.5	12.0	15.0	18.4	17.2	17.8	21.9	18.9	20.2	26.9	24.3	25.4
18	19.1	13.9	16.6	22.7	17.5	19.6	21.2	18.0	19.5	27.8	24.9	26.1
19	20.7	16.3	18.6	21.8	20.7	21.3	21.5	18.4	19.7	28.3	25.7	26.9
20	23.1	19.2	21.0	20.7	17.6	18.9	22.2	19.2	20.6	28.9	26.2	27.4
21	22.7	20.7	21.7	21.5	16.1	18.6	25.3	21.1	22.9	29.2	26.7	27.7
22	21.5	18.0	19.4	23.5	18.2	20.6	24.6	23.0	23.7	28.1	25.9	27.1
23	18.0	15.1	16.5	24.6	20.8	22.2	25.5	21.3	23.3	28.7	25.7	27.1
24	15.1	14.0	14.4	24.8	19.9	22.2	23.2	21.1	22.1	28.1	25.7	26.9
25	15.5	13.9	14.6	25.5	21.1	23.1	21.3	19.7	20.3	26.0	22.5	24.6
26	20.0	15.4	17.7	25.1	22.9	23.9	19.7	17.7	18.4	28.9	24.4	26.3
27	19.8	17.9	18.9	24.6	22.5	23.6	20.8	18.4	19.5	30.3	26.6	28.1
28	21.4	17.9	19.8	25.8	23.1	24.2	20.3	19.1	19.7	29.5	27.0	28.1
29	---	---	---	27.3	24.0	25.4	23.2	18.9	20.8	27.3	24.6	25.8
30	---	---	---	25.8	23.3	24.6	24.8	20.5	22.4	25.3	24.1	24.8
31	---	---	---	23.3	19.6	20.5	---	---	---	26.1	23.9	24.9
MONTH	23.1	9.2	15.9	27.3	16.1	21.5	25.5	15.2	20.5	30.3	20.8	25.4

MISSISSIPPI RIVER DELTA

07381323 BAYOU DU LARGE AT THERIOT, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.9	23.5	25.3	30.2	26.6	28.2	27.6	26.2	26.8	30.9	27.3	28.9
2	27.2	23.9	25.5	32.1	27.9	29.7	29.6	25.7	27.7	---	---	---
3	28.4	24.4	26.3	33.5	29.2	31.1	31.6	28.0	29.3	---	---	---
4	27.8	24.5	26.3	33.0	29.4	31.2	30.9	27.8	29.1	29.9	27.9	28.8
5	28.4	25.9	26.8	32.4	28.9	30.7	31.3	27.9	29.5	28.7	27.0	27.8
6	28.8	25.5	26.9	30.4	26.5	28.5	30.4	27.0	29.0	29.0	27.5	28.2
7	27.9	26.4	27.2	31.1	27.5	29.1	28.7	26.1	27.3	29.0	26.7	27.9
8	28.9	25.9	27.1	29.4	26.7	27.4	28.1	26.3	27.2	30.2	27.4	28.5
9	29.0	26.2	27.6	27.3	25.8	26.7	29.1	25.5	27.2	31.3	28.5	29.7
10	29.7	26.4	27.9	30.2	26.0	27.9	29.0	27.8	28.5	30.8	28.5	29.6
11	30.0	27.5	28.8	31.9	27.7	29.3	30.8	27.6	29.0	29.0	26.7	27.6
12	31.1	27.5	29.1	30.9	27.4	28.9	30.8	28.2	29.2	28.4	25.5	26.8
13	31.3	28.1	29.6	28.9	26.9	27.7	30.4	28.1	29.4	29.5	26.0	27.7
14	31.4	28.3	29.6	30.1	25.8	27.8	31.9	28.6	30.3	30.0	26.9	28.5
15	31.4	28.8	30.0	30.4	27.5	28.6	32.9	29.0	30.8	30.4	27.4	28.8
16	32.5	28.9	30.7	30.3	28.0	29.3	33.7	29.7	31.5	30.2	26.9	28.4
17	31.5	28.8	30.3	29.1	25.8	26.7	34.1	30.1	32.0	29.8	27.2	28.5
18	28.8	26.0	27.2	27.1	24.9	25.9	33.3	29.8	31.6	29.5	27.7	28.7
19	26.8	25.5	26.0	29.6	25.7	27.5	33.0	29.7	31.4	29.2	28.5	28.8
20	28.3	25.9	26.8	30.6	27.9	29.2	31.8	29.6	30.7	30.5	28.6	29.5
21	31.1	27.0	28.7	31.8	28.1	29.6	31.7	28.0	29.8	30.5	28.8	29.6
22	31.3	28.1	29.4	31.0	28.9	30.0	31.1	27.7	29.5	29.8	28.2	28.9
23	31.2	28.2	29.7	30.1	28.3	29.1	---	---	---	29.5	28.1	28.8
24	30.0	27.9	28.7	30.4	27.0	28.6	28.2	26.2	27.2	29.5	28.0	28.7
25	28.7	26.7	27.7	30.5	27.6	29.1	27.5	25.5	26.5	28.4	26.0	27.3
26	28.3	27.1	27.7	31.4	28.3	29.6	---	---	---	27.1	24.4	25.8
27	28.7	26.8	27.8	31.4	29.9	30.5	---	---	---	26.3	24.2	25.4
28	28.1	26.6	27.4	33.0	29.0	30.9	---	---	---	27.3	24.0	25.3
29	27.8	26.4	27.0	32.2	29.5	30.6	---	---	---	28.3	23.9	25.7
30	28.2	26.0	27.0	29.6	27.5	28.6	---	---	---	28.5	25.6	27.0
31	---	---	---	31.0	27.6	28.5	31.6	28.2	29.7	---	---	---
MONTH	32.5	23.5	27.9	33.5	24.9	28.9	34.1	25.5	29.2	31.3	23.9	28.0

MISSISSIPPI RIVER DELTA

07381324 BAYOU GRAND CAILLOU AT DULAC, LA

LOCATION.--Lat 29°22'58", long 90°42'55", in sec. 86, T. 19 S, R. 17 E., St. Helena Meridian, Terrebonne Parish Hydrologic Unit 08090302, on downstream side of Bouquet Bridge, 0.1 mi west of intersection of parish road and Highway 57, 0.8 mi south of Dulac, 16.4 mi south of Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to September 30, 1988 (daily discharges below 6.0 ft stage only, discontinued); January 1989 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is sea level. Prior to July 9, 1996 datum of gage was 4.00 ft above sea level. Prior to Oct. 1, 1985, datum of gage was 6.00 ft above sea level.

REMARKS.--No estimated daily discharge. Records poor. No velocity record: Nov. 18, 19, 25-30; Dec. 3, 4, 6-8, 12-14, 18, 23, 26-31; Jan. 1-9, 10-20; Feb. 12, 13; Mar. 17, 18; Apr. 1, 29, 30; May 5, 11-13, 16, 21; Jun. 16, 17, Sep. 23, 24. This site affected by tide and wind daily. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

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, 421 ft³/s, Feb. 14, but may have been higher during periods of missing record; maximum gage height, 1.95 ft, Apr. 5; maximum negative daily discharge recorded, -210, Oct. 8, may have been higher during periods of missing record; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-46	-58	101	---	40	-23	---	150	93	38	31	-21
2	-77	-12	108	---	84	28	73	-55	59	23	37	-29
3	24	-5.1	---	---	28	263	22	184	41	30	-7.7	-7.8
4	-131	-68	---	---	75	173	-60	270	.68	-5.9	29	-8.6
5	-187	-91	107	---	130	154	-194	---	-1.5	-10	39	-28
6	-181	-99	---	---	92	191	22	68	-16	-21	21	-154
7	-151	-136	---	---	52	71	376	25	3.9	.12	12	-113
8	-210	-23.0	---	---	177	130	90	-30	-31	36	14	-88
9	-75	-84	95	---	115	88	147	72	-37	24	19	-57
10	49	-44	57	---	136	57	52	24	-61	14	14	-15
11	18	-105	2.5	---	53	44	21	---	89	34	6.0	-21
12	-23	-97	---	---	---	-57	245	---	81	42	-2.0	-39
13	-63	-115	---	---	---	74	269	---	61	45	4.1	-27
14	-138	-132	---	---	421	236	232	110	62	21	-6.6	-15
15	-123	-174	50	---	224	192	168	88	56	18	6.7	-29
16	-95	-98	83	---	168	95	151	---	---	-15	2.7	-45
17	-101	157	175	---	156	---	159	-44	---	-52	13	-31
18	-15	---	---	---	55	---	74	-5.2	90	136	-5.9	-41
19	-72	---	137	---	4.6	179	57	-75	128	54	-20	-38
20	-82	-20	64	---	-82	224	22	91	84	61	11	-78
21	-81	136	-25	-46	341	142	38	---	6.5	.86	25	-41
22	-78	170	66	109	381	106	74	48	17	23	2.5	-27
23	-54	54	---	11	189	42	94	7.8	42	-6.5	7.3	---
24	-106	65	188	220	212	4.2	-44	-2.3	32	9.0	12	---
25	-151	---	130	213	151	34	-113	146	31	-3.1	13	88
26	-140	---	---	69	126	124	.43	123	36	3.9	-27	18
27	-141	---	---	112	203	58	-166	76	28	-1.9	-15	-35
28	-63	---	---	306	-69	85	252	125	22	-18	5.6	-39
29	-79	---	---	269	---	138	---	77	16	-25	-12	.30
30	-43	---	---	177	---	137	---	164	28	-14	-30	6.9
31	-69	---	---	69	---	117	---	121	---	-15	-35	---
TOTAL	-2684	---	---	---	---	---	---	---	---	425.48	163.7	---
MEAN	-86.6	---	---	---	---	---	---	---	---	13.7	5.28	---

MISSISSIPPI RIVER DELTA
07381324 BAYOU GRAND CAILLOU AT DULAC, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.82	.87	.92	.30	.27	1.03	.41	.49	.31	.43	.30	.47
2	.88	.45	.58	---	.37	1.02	.50	.82	.32	.31	.35	.53
3	.90	.27	.52	.45	.47	.77	.56	.67	.26	.10	.43	.38
4	1.13	.38	.37	.61	.54	.67	1.00	.26	.27	.09	.41	.37
5	1.61	.42	.55	.64	.45	.61	1.71	.51	.34	.21	.27	.47
6	1.60	.72	.47	.57	.38	.28	1.16	.45	.51	.35	.24	.92
7	1.50	1.01	.47	---	.54	.42	.77	.47	.57	.40	.28	1.05
8	1.68	.36	.10	---	.09	.47	.86	.62	.55	.34	.38	1.03
9	1.14	.07	.16	---	.01	.41	.82	.53	.68	.29	.42	1.02
10	.85	.19	.25	.12	-.12	.43	.84	.44	.80	.27	.37	.91
11	.55	.14	.36	.07	-.08	.36	1.10	.55	1.14	.14	.29	.82
12	.70	.25	.39	.02	.34	.63	1.01	.55	1.02	.16	.37	.77
13	.76	.27	.39	-.15	.69	1.10	.66	.46	.95	.21	.35	.77
14	.92	.30	.44	-.02	.49	.77	.52	.35	.88	.34	.36	.74
15	.92	.71	.54	.49	.21	.52	.42	.18	.65	.58	.44	.71
16	.97	1.39	.67	-.03	.16	.49	.40	.15	.86	.68	.62	.75
17	1.08	1.60	.25	-.35	.01	.47	.14	.47	.94	1.03	.66	.74
18	.91	---	.05	-.33	.09	.62	.05	.51	.94	.58	.61	.77
19	.72	---	-.34	-.34	.26	.51	.26	.75	.76	.43	.60	.86
20	.87	1.18	-.24	-.24	.61	.14	.26	.66	.66	.29	.50	1.00
21	.91	1.21	.14	.05	.86	.04	.54	.56	.70	.24	.30	.94
22	1.11	.99	.38	.25	.28	.09	.54	.44	.70	.16	.28	.83
23	.64	1.06	.47	.25	.36	.08	.26	.50	.54	.21	.41	1.01
24	.84	1.20	.37	.59	.45	.35	.49	.61	.44	.20	.45	.89
25	1.00	1.05	.06	.45	.51	.61	.93	.76	.43	.17	.42	.60
26	1.24	.34	.54	.51	.84	.49	1.17	.76	.39	.14	.59	.35
27	1.19	.21	.60	.71	.62	.46	1.47	.64	.28	.16	.66	.40
28	1.07	.31	---	.55	.76	.66	1.03	.55	.30	.21	.53	.41
29	1.03	.61	.55	.23	---	.53	.49	.61	.49	.24	.47	.25
30	.96	1.12	.34	.11	---	.40	.69	.76	.53	.23	.48	.15
31	.81	---	---	.13	---	.26	---	.57	---	.30	.52	---
MAX	1.68	---	---	---	.86	1.10	1.71	.82	1.14	1.03	.66	1.05
MIN	.55	---	---	---	-.12	.04	.05	.15	.26	.09	.24	.15

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA

LOCATION.--Lat 29°31' 10", long 90°48' 16", sec. 11, T. 18 S., R. 17 E., Terrebonne Parish, Hydrologic Unit 08090302, on a three-pile structure 8.0 mi north of Falgout Canal Boat Landing and 2.0 mi. south of Crozier.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum outside recorded gage height, 2.73 ft, Apr. 5, 1997; minimum outside recorded, -0.53 ft, Jan. 8, 1996; maximum inside recorded gage height, 2.50 ft, Apr. 5, 1997; minimum inside recorded, -0.53 ft, Jan. 8, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum outside recorded gage height, 2.73 ft, Apr. 5; minimum outside recorded, 0.25 ft, Jan. 20; maximum inside recorded gage height, 2.50 ft, Apr. 5; minimum inside recorded, -0.51 ft, Jan. 20.

OUTSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.59	1.13	1.40	1.80	1.35	1.53	2.08	1.30	1.61	1.33	1.11	1.19
2	1.68	1.20	1.46	1.64	.78	1.15	1.53	1.23	1.35	1.29	1.11	1.19
3	1.62	1.21	1.42	1.14	.78	.94	1.54	1.13	1.29	1.55	1.08	1.30
4	1.73	1.42	1.61	1.21	.82	1.05	1.44	.98	1.14	1.73	1.22	1.44
5	1.97	1.68	1.85	1.27	.98	1.08	1.46	1.26	1.31	1.69	1.26	1.44
6	1.88	1.67	1.81	1.62	1.26	1.36	1.63	1.04	1.29	1.59	1.13	1.35
7	1.98	1.80	1.86	1.82	1.50	1.66	1.58	1.02	1.23	1.64	1.11	1.37
8	2.17	1.80	1.97	1.50	.86	1.10	1.23	.66	.96	1.84	1.20	1.49
9	1.86	1.54	1.69	1.32	.52	.85	1.35	.77	1.01	1.66	1.05	1.28
10	1.68	1.18	1.47	1.32	.70	.92	1.38	.86	1.06	1.26	.88	1.06
11	1.41	1.02	1.16	1.28	.55	.83	1.56	.95	1.19	1.28	.74	.94
12	1.45	1.12	1.31	1.28	.65	.92	1.59	1.05	1.28	1.02	.61	.82
13	1.75	1.17	1.37	1.27	.69	.96	1.49	.96	1.20	.89	.46	.65
14	1.75	1.27	1.51	1.29	.71	.99	1.40	.98	1.19	1.05	.60	.75
15	1.78	1.25	1.52	1.58	1.06	1.30	1.46	1.06	1.26	1.57	.97	1.27
16	1.75	1.32	1.56	1.98	1.51	1.79	1.58	1.20	1.44	1.31	.55	.82
17	1.87	1.45	1.68	2.15	1.80	1.96	1.32	.98	1.15	.91	.30	.55
18	1.90	1.16	1.52	1.99	1.57	1.84	1.29	.81	.97	.79	.31	.55
19	1.51	1.09	1.30	1.84	1.65	1.78	.83	.51	.65	.89	.27	.54
20	1.68	1.18	1.47	2.04	1.66	1.84	1.04	.44	.66	1.10	.25	.58
21	1.62	1.35	1.51	2.02	1.70	1.88	1.37	.53	.93	1.27	.58	.88
22	1.93	1.44	1.70	1.86	1.44	1.64	1.47	.88	1.15	1.33	.88	1.11
23	1.44	1.09	1.25	1.98	1.52	1.73	1.60	.97	1.24	1.47	.77	1.08
24	1.59	1.24	1.39	2.23	1.61	1.85	1.61	.92	1.16	1.68	1.24	1.49
25	1.80	1.34	1.56	2.23	1.43	1.84	1.28	.65	.91	1.56	1.02	1.27
26	1.93	1.52	1.76	1.46	1.01	1.19	1.71	.88	1.21	1.58	1.07	1.26
27	1.92	1.59	1.75	1.38	.70	1.04	1.79	1.35	1.52	1.69	1.35	1.48
28	1.92	1.42	1.70	1.44	.84	1.13	1.62	1.26	1.42	1.50	1.13	1.37
29	1.88	1.48	1.68	1.78	1.21	1.44	1.53	1.28	1.42	1.33	1.00	1.11
30	1.89	1.41	1.63	2.07	1.67	1.84	1.46	1.16	1.28	1.13	.89	1.00
31	1.71	1.23	1.47	---	---	---	1.35	.98	1.22	1.19	.83	.98
MONTH	2.17	1.02	1.56	2.23	.52	1.38	2.08	.44	1.18	1.84	.25	1.08

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

OUTSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.47	.81	1.13	2.01	1.49	1.78	1.60	1.16	1.36	---	---	---
2	1.45	.95	1.17	2.12	1.61	1.84	1.59	1.25	1.41	---	---	---
3	1.53	1.01	1.26	1.87	1.53	1.64	1.73	1.28	1.46	---	---	---
4	1.75	1.15	1.38	1.69	1.36	1.53	2.17	1.55	1.80	---	---	---
5	1.63	1.03	1.28	1.63	1.31	1.49	2.73	2.17	2.48	---	---	---
6	1.59	.97	1.23	1.45	.94	1.18	2.28	1.86	2.01	---	---	---
7	1.53	1.10	1.34	1.56	1.06	1.25	1.91	1.58	1.77	---	---	---
8	1.42	.75	.99	1.55	1.06	1.29	1.99	1.57	1.79	---	---	---
9	1.02	.71	.87	1.50	1.14	1.27	1.89	1.62	1.73	---	---	---
10	.93	.64	.78	1.42	1.13	1.28	1.91	1.45	1.71	---	---	---
11	1.07	.61	.80	1.37	1.09	1.23	2.20	1.64	1.95	---	---	---
12	1.89	1.01	1.21	1.60	1.12	1.40	2.02	1.86	1.94	---	---	---
13	1.89	1.41	1.58	2.06	1.57	1.89	1.90	1.60	1.72	---	---	---
14	1.52	1.25	1.34	1.79	1.32	1.62	1.71	1.50	1.61	---	---	---
15	1.32	.95	1.14	1.56	1.20	1.43	1.65	1.34	1.51	---	---	---
16	1.17	.51	.85	1.54	1.18	1.36	1.58	1.34	1.46	---	---	---
17	1.28	.73	.94	1.59	1.22	1.39	1.48	1.10	1.30	---	---	---
18	1.27	.76	.96	1.61	1.26	1.44	1.36	1.00	1.16	---	---	---
19	1.37	.84	1.08	1.59	1.25	1.47	1.35	1.21	1.27	---	---	---
20	1.73	1.08	1.34	1.41	1.07	1.20	1.48	1.15	1.28	---	---	---
21	2.04	1.53	1.73	1.22	.99	1.12	1.68	1.28	1.47	---	---	---
22	1.57	1.10	1.27	1.26	1.02	1.15	1.67	1.22	1.50	---	---	---
23	1.41	.99	1.20	1.25	.96	1.10	1.39	1.18	1.28	---	---	---
24	1.43	1.09	1.23	1.34	1.10	1.25	1.67	1.13	1.38	---	---	---
25	1.42	1.19	1.30	1.59	1.33	1.50	1.85	1.33	1.62	---	---	---
26	1.76	1.38	1.61	1.51	1.18	1.38	2.06	1.56	1.81	---	---	---
27	1.64	1.34	1.44	1.54	1.22	1.38	2.44	1.81	2.17	---	---	---
28	1.85	1.31	1.57	1.74	1.40	1.57	2.20	1.71	1.91	---	---	---
29	---	---	---	1.64	1.44	1.52	1.71	1.23	1.51	---	---	---
30	---	---	---	1.55	1.31	1.41	---	---	---	---	---	---
31	---	---	---	1.60	1.06	1.29	---	---	---	---	---	---
MONTH	2.04	.51	1.22	2.12	.94	1.41	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	1.49	1.14	1.36	1.20	.69	.97	1.28	.72	1.09
2	---	---	---	1.43	1.05	1.27	1.25	.65	1.00	1.31	.72	1.12
3	---	---	---	1.19	.87	1.07	1.32	.80	1.08	1.28	.81	1.00
4	---	---	---	1.29	.83	1.03	1.29	.83	1.04	1.05	.89	.97
5	---	---	---	1.53	.85	1.11	.99	.70	.89	1.25	.83	1.03
6	---	---	---	1.53	.95	1.20	1.05	.69	.85	1.60	1.19	1.42
7	---	---	---	1.47	1.06	1.26	.99	.73	.86	1.68	1.37	1.52
8	---	---	---	1.41	1.13	1.24	1.12	.80	.97	1.67	1.41	1.54
9	---	---	---	1.42	1.09	1.22	1.23	.82	1.02	1.73	1.32	1.55
10	---	---	---	1.27	1.08	1.17	1.15	.76	.98	1.71	1.19	1.47
11	---	---	---	1.12	.95	1.06	1.12	.74	.91	1.65	1.10	1.38
12	---	---	---	1.09	.90	1.00	1.20	.72	.99	1.55	1.13	1.35
13	---	---	---	1.18	.88	1.02	1.28	.70	.98	1.56	1.11	1.36
14	---	---	---	1.28	.92	1.14	1.28	.72	1.01	1.56	.98	1.35
15	---	---	---	1.58	.92	1.33	1.38	.61	1.07	1.55	1.15	1.34
16	---	---	---	1.67	1.15	1.42	1.53	.81	1.25	1.53	1.18	1.34
17	---	---	---	1.99	1.23	1.67	1.56	1.00	1.29	1.51	1.26	1.36
18	2.01	1.59	1.80	1.53	1.09	1.38	1.50	1.03	1.24	1.52	1.19	1.35
19	1.84	1.53	1.68	1.52	1.03	1.23	1.54	1.00	1.23	1.66	1.28	1.42
20	1.76	1.40	1.60	1.25	.93	1.08	1.25	.97	1.13	1.74	1.37	1.58
21	1.84	1.39	1.62	1.27	.82	1.02	1.02	.69	.93	1.76	1.26	1.52
22	1.75	1.43	1.59	1.09	.75	.92	1.12	.68	.86	1.64	1.15	1.43
23	1.66	1.32	1.45	1.11	.75	.93	1.14	.82	.99	1.77	1.29	1.56
24	1.56	1.16	1.35	1.01	.81	.90	1.25	.79	1.04	1.77	1.39	1.60
25	1.47	1.23	1.34	.94	.81	.87	1.23	.74	1.00	1.59	.90	1.30
26	1.38	1.28	1.32	1.04	.62	.82	1.38	.91	1.16	1.17	.75	1.01
27	1.33	1.19	1.26	1.04	.64	.85	1.55	.98	1.28	1.18	.78	1.03
28	1.33	1.14	1.23	1.12	.67	.89	1.39	.88	1.17	1.17	.84	1.07
29	1.54	1.14	1.36	1.17	.70	.94	1.34	.84	1.10	.98	.80	.93
30	1.57	1.25	1.42	1.17	.62	.91	1.33	.85	1.10	.90	.73	.82
31	---	---	---	1.23	.62	.98	1.31	.92	1.14	---	---	---
MONTH	---	---	---	1.99	.62	1.11	1.56	.61	1.05	1.77	.72	1.29

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA --Continued

INSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.47	1.45	1.46	1.52	1.50	1.51	1.76	1.51	1.64	1.49	1.43	1.46
2	1.48	1.46	1.47	1.50	1.44	1.48	1.51	1.42	1.47	1.48	1.47	1.47
3	1.46	1.44	1.45	1.44	1.36	1.40	1.50	1.29	1.38	1.47	1.45	1.46
4	1.44	1.44	1.44	1.36	1.30	1.33	1.35	1.13	1.20	1.45	1.43	1.44
5	1.44	1.44	1.44	1.30	1.26	1.28	1.39	1.25	1.30	1.45	1.43	1.44
6	1.49	1.44	1.47	1.30	1.26	1.28	1.47	1.12	1.26	1.43	1.40	1.41
7	1.52	1.49	1.50	1.56	1.30	1.39	1.47	1.17	1.28	1.52	1.42	1.51
8	1.67	1.52	1.60	1.56	1.41	1.52	1.17	.84	1.01	1.52	1.47	1.50
9	1.60	1.59	1.60	1.41	1.30	1.35	1.25	.85	1.02	1.51	1.48	1.50
10	1.60	1.58	1.60	1.34	1.25	1.29	1.26	.93	1.07	1.48	1.43	1.45
11	1.58	1.55	1.57	1.25	1.17	1.21	1.35	.99	1.16	1.44	1.39	1.41
12	1.55	1.52	1.54	1.22	1.07	1.13	1.40	1.10	1.24	1.39	1.25	1.31
13	1.52	1.49	1.51	1.18	1.02	1.09	1.37	1.02	1.19	1.29	1.23	1.26
14	1.50	1.48	1.49	1.16	1.00	1.08	1.29	1.01	1.16	1.23	1.16	1.19
15	1.48	1.46	1.48	1.29	1.09	1.20	1.35	1.09	1.22	1.28	1.13	1.18
16	1.48	1.46	1.47	1.46	1.29	1.41	1.44	1.24	1.38	1.28	1.21	1.26
17	1.48	1.46	1.48	1.48	1.40	1.45	1.35	1.25	1.30	1.21	1.12	1.16
18	1.49	1.46	1.48	1.50	1.47	1.49	1.25	1.19	1.21	1.12	.89	.98
19	1.46	1.42	1.45	1.53	1.50	1.51	1.19	1.03	1.10	.95	.83	.92
20	1.44	1.42	1.43	1.55	1.52	1.53	1.03	.94	.97	.83	.51	.65
21	1.44	1.42	1.43	1.57	1.55	1.57	1.27	.94	1.03	.92	.67	.78
22	1.47	1.43	1.45	1.57	1.57	1.57	1.35	.89	1.11	1.06	.92	.97
23	1.47	1.43	1.45	1.59	1.57	1.57	1.41	.99	1.19	1.08	.88	.98
24	1.43	1.41	1.42	1.70	1.59	1.61	1.43	1.01	1.19	1.54	1.04	1.43
25	1.46	1.42	1.44	1.71	1.61	1.68	1.11	1.09	1.10	1.54	1.46	1.50
26	1.49	1.46	1.47	1.61	1.42	1.49	1.33	1.09	1.10	1.46	1.40	1.43
27	1.50	1.48	1.50	1.42	1.24	1.33	1.63	1.33	1.60	1.45	1.39	1.43
28	1.51	1.50	1.51	1.40	1.11	1.26	1.63	1.57	1.60	1.57	1.39	1.52
29	1.52	1.51	1.52	1.55	1.29	1.40	1.57	1.56	1.57	1.55	1.50	1.53
30	1.53	1.52	1.52	1.74	1.55	1.63	1.57	1.53	1.55	1.50	1.41	1.46
31	1.52	1.50	1.52	---	---	---	1.53	1.49	1.51	1.41	1.10	1.28
MONTH	1.67	1.41	1.49	1.74	1.00	1.40	1.76	.84	1.26	1.57	.51	1.30
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.32	.90	1.11	1.55	1.50	1.52	1.53	1.33	1.44	1.64	1.63	1.64
2	1.28	.98	1.12	1.64	1.55	1.58	1.51	1.43	1.50	1.63	1.63	1.63
3	1.26	1.20	1.24	1.64	1.56	1.60	1.51	1.50	1.51	1.63	1.63	1.63
4	1.41	1.26	1.35	1.58	1.45	1.53	1.70	1.51	1.57	1.63	1.60	1.62
5	1.42	1.39	1.41	1.54	1.52	1.53	2.50	1.70	2.25	1.60	1.60	1.60
6	1.39	1.36	1.37	1.52	1.18	1.32	2.33	2.06	2.16	1.60	1.59	1.59
7	1.36	1.33	1.34	1.40	1.11	1.23	2.06	1.99	2.03	1.59	1.59	1.59
8	1.33	.90	1.19	1.42	1.20	1.30	2.00	1.97	1.98	1.59	1.58	1.59
9	.96	.72	.84	1.30	1.26	1.29	2.00	1.95	1.97	1.58	1.58	1.58
10	.86	.60	.73	1.27	1.24	1.26	1.95	1.92	1.93	1.58	1.54	1.56
11	.81	.54	.67	1.24	1.21	1.22	2.10	1.93	2.01	1.55	1.54	1.54
12	1.60	.81	.92	1.23	1.20	1.20	2.15	2.06	2.12	1.54	1.54	1.54
13	1.69	1.60	1.67	1.62	1.23	1.52	2.15	1.99	2.06	1.54	1.53	1.54
14	1.70	1.64	1.69	1.62	1.56	1.59	2.00	1.90	1.94	1.53	1.53	1.53
15	1.69	1.43	1.61	1.56	1.40	1.52	1.94	1.84	1.88	1.53	1.48	1.51
16	1.43	1.20	1.29	1.42	1.26	1.36	1.88	1.78	1.82	1.48	1.29	1.37
17	1.22	.96	1.09	1.42	1.40	1.41	1.80	1.57	1.70	1.42	1.30	1.40
18	1.27	1.22	1.25	1.41	1.39	1.40	1.68	1.47	1.56	1.42	1.41	1.41
19	1.24	1.20	1.22	1.51	1.40	1.50	1.70	1.55	1.64	1.41	1.41	1.41
20	1.26	1.20	1.24	1.51	1.26	1.41	1.64	1.51	1.57	1.42	1.41	1.42
21	1.56	1.26	1.49	1.26	1.12	1.19	1.70	1.64	1.67	1.45	1.41	1.42
22	1.56	1.29	1.46	1.27	1.14	1.19	1.75	1.70	1.72	1.50	1.45	1.49
23	1.35	1.16	1.24	1.18	1.03	1.12	1.75	1.58	1.68	1.50	1.49	1.50
24	1.37	1.14	1.23	1.23	1.18	1.21	1.58	1.48	1.51	1.50	1.49	1.49
25	1.34	1.18	1.26	1.29	1.23	1.26	1.55	1.54	1.55	1.54	1.50	1.52
26	1.44	1.33	1.38	1.40	1.29	1.37	1.59	1.55	1.58	1.54	1.53	1.53
27	1.50	1.40	1.47	1.41	1.39	1.40	1.61	1.59	1.60	1.56	1.54	1.56
28	1.50	1.48	1.49	1.47	1.41	1.44	1.63	1.61	1.62	1.83	1.55	1.65
29	---	---	---	1.52	1.47	1.51	1.64	1.63	1.63	1.86	1.73	1.79
30	---	---	---	1.60	1.49	1.55	1.64	1.64	1.64	1.87	1.80	1.84
31	---	---	---	1.59	1.31	1.45	---	---	---	1.81	1.59	1.76
MONTH	1.70	.54	1.26	1.64	1.03	1.39	2.50	1.33	1.76	1.87	1.29	1.56

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA --Continued

INSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.59	1.38	1.53	1.56	1.34	1.48	1.36	1.07	1.27	1.09	.95	1.04
2	1.53	1.22	1.42	1.46	1.21	1.37	1.31	1.04	1.17	1.10	.95	1.07
3	1.41	1.03	1.28	1.26	1.02	1.18	1.26	.99	1.14	1.07	.92	.99
4	1.41	1.02	1.22	1.20	.96	1.09	1.25	.97	1.11	1.02	.92	.96
5	1.46	1.03	1.26	1.23	.96	1.10	1.04	.85	.97	1.02	.92	.97
6	1.38	1.11	1.29	1.26	1.06	1.18	1.09	.77	.90	1.15	1.01	1.07
7	1.41	1.28	1.35	1.32	1.14	1.22	1.05	.86	.95	1.21	1.15	1.18
8	1.41	1.25	1.35	1.37	1.22	1.29	1.23	.89	1.09	1.27	1.21	1.24
9	1.40	1.35	1.38	1.34	1.18	1.27	1.32	1.08	1.19	1.32	1.27	1.30
10	1.43	1.38	1.40	1.28	1.12	1.20	1.22	.94	1.10	1.38	1.32	1.35
11	1.64	1.43	1.58	1.21	1.08	1.12	1.10	.89	.99	1.39	1.23	1.35
12	1.65	1.63	1.64	1.18	1.04	1.12	1.18	.88	1.05	1.35	1.23	1.31
13	1.65	1.63	1.64	1.22	1.03	1.13	1.17	.85	1.02	1.34	1.20	1.29
14	1.63	1.56	1.62	1.32	1.05	1.19	1.14	.85	1.01	1.32	1.15	1.28
15	1.59	1.47	1.54	1.48	1.11	1.34	1.13	.82	1.03	1.36	1.15	1.28
16	1.54	1.47	1.52	1.44	1.26	1.37	1.17	.92	1.09	1.33	1.26	1.31
17	1.60	1.51	1.56	1.63	1.34	1.52	1.21	1.08	1.16	1.32	1.30	1.31
18	1.74	1.59	1.68	1.61	1.30	1.51	1.20	1.10	1.15	1.33	1.27	1.30
19	1.77	1.68	1.73	1.45	1.19	1.34	1.20	1.06	1.14	1.33	1.29	1.31
20	1.72	1.64	1.69	1.29	1.07	1.18	1.18	1.10	1.14	1.35	1.31	1.34
21	1.68	1.58	1.65	1.21	.97	1.09	1.11	.90	1.01	1.39	1.33	1.36
22	1.65	1.57	1.62	1.12	.88	1.01	.95	.81	.87	1.39	1.26	1.35
23	1.60	1.46	1.54	1.11	.86	1.00	1.01	.88	.95	1.38	1.32	1.36
24	1.54	1.32	1.44	1.03	.93	.99	1.01	.86	.95	1.42	1.36	1.39
25	1.50	1.36	1.44	.98	.85	.93	1.01	.82	.94	1.42	1.00	1.28
26	1.45	1.38	1.41	.94	.74	.87	1.02	.87	.97	1.17	.84	1.06
27	1.39	1.31	1.35	.95	.71	.86	1.11	1.01	1.06	1.11	.85	1.01
28	1.44	1.30	1.35	.92	.73	.84	1.12	.95	1.07	1.11	.92	1.04
29	1.58	1.35	1.49	1.10	.77	.91	1.09	.92	1.02	.97	.81	.93
30	1.60	1.45	1.54	1.18	.78	.99	1.09	.91	1.02	.81	.73	.78
31	---	---	---	1.39	.78	1.09	1.10	.98	1.05	---	---	---
MONTH	1.77	1.02	1.48	1.63	.71	1.15	1.36	.77	1.05	1.42	.73	1.19

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1993 to current year.

WATER TEMPERATURES: October 1993 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum outside daily, 42,500 microsiemens, Nov. 18, 1996; minimum outside daily, less than 200 microsiemens on several days during the water years, 1994, 1995; maximum inside daily, 32,800 microsiemens, Oct. 2, 1995, Nov. 18, 1996; minimum inside daily, 192 microsiemens Mar. 28, 1997.

WATER TEMPERATURES: Maximum outside daily, 33.8°C, Aug. 19, 1997; minimum outside daily, 1.8°C, Feb. 4, 1996; maximum inside daily, 34.0°C, July 24, 1995; minimum inside daily, 1.7°C, Feb. 4, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum outside daily, 42,500 microsiemens, Nov. 18; minimum outside daily, 224 microsiemens July 15; maximum inside daily, 32,800 microsiemens, Nov. 18; minimum inside daily 192 microsiemens Mar. 28.

WATER TEMPERATURES: Maximum outside daily, 33.8 °C Aug. 19, minimum outside daily, 6.0°C, Jan. 14; maximum inside daily, 33.5°C, July 3, 25; minimum inside daily, 4.9°C, Jan. 14.

OUTSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1740	1070	1330	2620	1220	1830	2760	905	2090	2340	2190	2250
2	1700	1170	1380	3350	1510	2490	3220	2380	2790	2300	2150	2220
3	1760	1350	1470	3350	1650	2150	4670	2620	3870	2260	2170	2220
4	1810	1100	1310	2550	1100	1900	5210	1010	4420	2340	2100	2240
5	23300	1780	12700	2970	1510	2150	4320	807	2870	2100	1790	1920
6	25800	20200	23300	1510	907	1040	5020	727	3210	2130	1980	2050
7	24200	21300	22900	12300	992	5450	4520	671	2300	2070	1030	1690
8	33800	23300	30300	12100	4800	7200	4820	908	3730	2460	919	1460
9	34000	21300	28600	6660	3420	5850	4010	779	2140	1860	1260	1610
10	21300	9380	14700	5200	3340	4590	3330	726	1610	2570	1590	2000
11	9380	4180	6690	5000	1630	4630	2520	692	1170	2020	1470	1800
12	5010	3660	4360	5370	1130	3970	1540	675	918	2760	1260	1910
13	4860	2830	3610	3970	792	2550	2340	689	1200	2020	1440	1700
14	4210	1930	2790	3560	762	1910	2200	724	1200	1970	1540	1830
15	5170	2260	3430	913	534	704	1010	705	811	1680	1020	1330
16	3940	2350	2910	30800	532	12800	915	676	707	2500	1030	1880
17	5560	3050	4310	42300	30800	38600	832	684	747	2410	1930	2090
18	7170	4790	5720	42500	36100	40900	1680	830	1200	3060	1910	2420
19	5100	2000	3080	36100	13300	23300	2030	1560	1810	2690	1790	2130
20	3010	1490	1920	13300	6020	8870	1730	1220	1480	2770	1460	2520
21	2870	1400	1630	6310	5420	5900	1610	777	1310	1990	435	1250
22	9710	1750	4860	6390	1730	4880	2040	758	1060	899	378	543
23	9410	3200	5650	2850	1400	1840	1280	749	896	1260	379	747
24	3200	1890	2340	1840	1190	1400	1310	755	940	1100	382	638
25	4200	1930	3070	7290	1090	3380	1670	1310	1530	1710	1100	1530
26	18300	2940	13600	11000	7290	9910	1400	1110	1230	1770	1660	1730
27	21400	9250	15000	9630	5770	8850	2180	1020	1720	1830	758	1360
28	9990	6460	8590	7790	973	6570	2270	2170	2220	1860	1640	1750
29	6460	3200	4990	5540	734	1970	2210	2030	2090	1640	1330	1450
30	3910	2980	3310	905	736	764	2040	1890	1960	1530	1480	1500
31	3040	1560	2220	---	---	---	2190	2040	2110	1850	1510	1620
MONTH	34000	1070	7810	42500	532	7280	5210	671	1850	3060	378	1720

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

OUTSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	2070	565	1540	709	498	628	1250	378	759	853	698	773
2	1940	576	1680	554	411	501	641	434	497	892	382	684
3	1940	1610	1800	1170	431	805	510	377	430	601	366	478
4	1610	1090	1440	1340	689	1110	387	296	347	983	589	803
5	1750	1050	1380	1280	727	1060	9320	273	2860	1050	546	815
6	1840	1580	1750	1370	727	1130	2590	792	1640	900	601	768
7	1580	1120	1260	1460	404	1200	1250	774	1140	994	530	806
8	2320	1120	1620	774	378	581	1190	1040	1130	893	526	718
9	2350	1870	2110	830	567	676	1180	461	818	786	539	645
10	2500	2160	2390	643	437	487	919	461	709	1000	566	844
11	2580	774	1570	571	471	518	710	308	527	859	405	577
12	813	779	801	547	426	471	673	365	520	610	392	460
13	1400	776	1130	439	348	384	916	389	666	540	392	460
14	1570	1400	1520	715	401	528	1190	912	1120	623	423	542
15	1550	1170	1400	1180	428	777	1280	1180	1230	835	507	687
16	1360	1210	1300	1300	1020	1200	1290	1260	1280	961	835	891
17	1530	1360	1440	1060	563	815	1300	1250	1280	876	357	483
18	1400	1190	1340	781	419	627	1310	1290	1300	368	357	363
19	1370	1140	1250	451	410	425	1330	1240	1290	380	357	369
20	1310	1050	1250	---	---	---	1370	626	1100	408	379	392
21	1050	508	646	1520	1230	1400	902	341	633	430	408	422
22	1500	644	1080	1580	1400	1500	401	293	343	603	413	530
23	1370	1240	1320	1570	950	1430	982	303	717	709	455	567
24	1350	661	1090	965	542	738	1090	243	621	903	500	708
25	1330	556	1010	542	337	434	329	239	260	654	436	538
26	556	457	485	350	321	333	277	238	253	697	523	608
27	725	457	561	408	321	356	1540	231	401	897	675	823
28	860	708	797	341	294	312	1520	690	892	1030	897	989
29	---	---	---	306	300	303	694	535	619	1030	992	1010
30	---	---	---	---	---	---	732	651	691	1010	880	973
31	---	---	---	---	---	---	---	---	---	880	850	864
MONTH	2580	457	1320	1580	294	740	9320	231	869	1050	357	664

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	865	851	858	716	677	697	709	620	668	1000	504	606
2	883	855	868	780	694	752	746	659	715	914	500	611
3	926	881	897	836	698	807	817	477	672	1220	522	898
4	962	623	881	915	615	812	817	422	646	1200	720	933
5	1010	279	615	920	580	754	771	578	649	868	506	664
6	915	298	503	956	285	512	927	482	748	18800	474	5200
7	756	311	452	858	300	528	959	912	937	26500	15900	23300
8	881	302	522	875	464	726	976	632	872	20200	14300	16600
9	669	348	480	1070	452	839	632	512	552	21500	14800	19100
10	430	350	385	1100	372	868	616	543	590	19200	14000	17600
11	352	322	333	1100	803	965	703	612	664	14000	10600	11800
12	381	325	356	833	790	810	721	433	642	10900	7100	8150
13	388	338	358	823	716	785	742	475	632	9810	5150	6360
14	581	349	380	827	566	780	740	419	573	8610	3420	4530
15	711	581	690	829	224	395	787	391	577	7090	2040	3460
16	697	460	592	728	238	409	830	387	540	5830	1300	2580
17	684	384	464	756	230	372	754	358	485	3580	1250	2020
18	444	375	409	713	456	640	755	327	471	3360	1250	1710
19	589	436	500	719	490	663	782	349	482	1860	931	1160
20	660	589	635	847	698	784	700	393	574	2240	931	1660
21	738	452	625	936	553	809	1150	616	917	4120	1680	3080
22	768	492	657	966	825	905	1230	791	1050	3390	2410	2760
23	804	704	782	1090	577	850	1250	511	804	5470	2150	3440
24	876	610	797	1100	919	1000	1140	454	648	5100	3180	4080
25	907	788	864	1070	835	992	1220	450	691	4170	1590	2950
26	975	907	945	1130	972	1050	1010	430	515	5800	2130	4120
27	979	888	957	1180	460	832	2200	425	975	5610	832	2980
28	959	769	893	1180	343	696	1160	665	810	5500	673	2400
29	829	596	734	1150	446	828	917	424	587	5420	2130	4090
30	742	636	691	1090	408	863	1090	416	568	5430	1490	3200
31	---	---	---	843	323	619	864	451	563	---	---	---
MONTH	1010	279	637	1180	224	753	2200	327	672	26500	474	5400

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	2270	1810	2070	8680	7180	7650	3210	1130	2290	2120	1890	1980
2	2260	1660	1880	8400	7490	8010	3500	2440	2860	2170	2110	2140
3	2020	1680	1840	8340	7870	8130	4970	3500	4200	2200	2150	2170
4	1950	1360	1500	8380	8200	8290	5390	1290	4900	2250	2150	2200
5	17300	1460	8540	8290	8250	8270	5370	735	3220	2370	1890	2160
6	20300	16300	19100	8260	6630	7640	5380	531	4120	2810	2200	2600
7	20500	19000	19900	8260	5020	6560	4960	515	2710	2690	2590	2620
8	32500	19900	28800	7940	5700	6800	5120	828	4070	2600	2370	2530
9	32300	27100	29700	7220	6400	6770	4790	559	2590	2550	2360	2490
10	27300	26000	26700	6400	6100	6210	4450	525	1840	2650	2490	2570
11	26200	23800	24900	6760	4190	5870	2960	474	1200	2680	2640	2660
12	24100	21000	23000	6520	3430	5470	1580	459	793	2680	2500	2560
13	21300	19200	20400	5860	1300	4400	2290	464	1100	2540	2500	2530
14	19300	15500	17000	5670	1040	3630	2340	489	1120	2590	2540	2570
15	15800	13600	14500	2050	498	856	1120	435	643	2630	1620	2270
16	14500	11600	12500	26400	481	12600	629	413	435	2730	1790	2430
17	12200	9610	10200	32600	26400	31300	884	435	586	2730	2540	2620
18	11000	9230	10100	32800	29000	31400	2360	884	1670	2800	2590	2650
19	11100	10000	10500	29100	24700	26800	3170	2360	2870	2620	2370	2600
20	10200	8110	9040	25700	14800	22200	3990	3140	3580	2500	744	2190
21	9540	7550	8380	15100	10500	13600	4300	449	3070	2450	465	1200
22	8820	5960	7490	21200	13300	18400	1870	439	832	1050	388	622
23	8880	8170	8460	18100	10400	15500	1030	424	595	1430	371	800
24	8220	7170	8050	14800	4690	11200	1510	423	666	1190	360	636
25	8000	6260	7300	8660	2670	5570	2460	1510	2160	1710	1150	1560
26	15900	6150	11400	11100	7370	10200	2650	1730	2150	1710	1660	1680
27	18600	12000	16300	10000	8920	9470	2230	1790	1940	1780	727	1380
28	12000	9770	11200	8920	4010	8240	2250	1910	2080	1830	1540	1680
29	9770	8040	8780	7460	749	2960	1970	1760	1840	1560	1250	1360
30	9230	7550	8160	1130	740	785	1760	1540	1640	1430	1380	1400
31	8870	8100	8600	---	---	---	1910	1720	1810	1760	1410	1520
MONTH	32500	1360	12800	32800	481	10500	5390	413	2120	2810	360	2010

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1950	446	1460	851	709	805	1200	388	748	843	728	778
2	1830	475	1600	709	415	631	1030	390	721	866	323	637
3	1800	1610	1730	1140	415	782	961	450	631	588	322	449
4	1660	1420	1580	1270	882	1150	450	267	383	942	567	783
5	1790	1330	1590	1210	1070	1170	5810	234	2300	1010	844	934
6	1860	1770	1800	1300	1050	1170	2410	1130	1630	1030	922	983
7	1840	1610	1790	1430	320	1130	1190	871	1040	1030	902	976
8	2190	1620	1770	824	288	558	1330	1120	1230	973	561	789
9	2190	1720	2010	866	597	738	1230	790	1070	872	584	714
10	2320	2180	2260	957	610	722	1240	707	979	869	608	793
11	2430	892	1720	1100	717	954	957	330	609	861	495	723
12	1450	892	1200	1070	415	682	563	410	512	757	446	614
13	1820	1030	1480	415	287	322	933	430	681	686	415	558
14	1830	1550	1650	531	343	436	1220	916	1130	678	491	586
15	1550	1180	1380	1090	531	848	1300	1190	1230	775	554	699
16	1340	1210	1300	1180	999	1110	1310	1280	1300	851	727	789
17	1530	1340	1460	1070	651	957	1320	1270	1290	757	306	403
18	1490	1310	1380	994	576	800	1370	1290	1330	364	306	334
19	1570	1310	1420	831	546	675	1370	1230	1320	364	308	334
20	1500	1180	1360	---	---	---	1390	999	1250	360	336	353
21	1180	745	912	1540	1190	1390	1280	649	953	559	360	437
22	1450	1110	1360	1510	1420	1470	816	534	636	613	426	576
23	1350	1200	1290	1540	1180	1460	1000	534	870	730	447	600
24	1320	707	1120	1180	719	878	1100	250	657	785	465	663
25	1370	533	1110	719	437	502	349	257	299	619	508	573
26	533	420	468	457	330	380	400	286	358	611	508	583
27	985	532	774	949	371	580	1100	239	382	783	608	725
28	963	840	916	472	192	396	1070	807	894	879	783	848
29	---	---	---	480	195	415	807	504	617	883	848	866
30	---	---	---	---	---	---	755	645	702	873	774	844
31	---	---	---	1140	287	871	---	---	---	774	737	757
MONTH	2430	420	1420	1540	192	827	5810	234	925	1030	306	668

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	753	737	748	678	635	664	687	619	655	1110	722	866
2	765	742	759	742	666	716	719	635	699	1140	667	819
3	803	765	784	786	667	757	775	608	714	1350	669	1140
4	840	688	805	847	724	801	774	590	671	1450	949	1210
5	875	291	589	856	660	747	743	619	666	1170	710	1000
6	800	331	506	878	441	659	858	564	740	11600	631	2950
7	710	354	503	799	440	628	896	831	878	20200	11600	18200
8	778	348	568	812	567	761	927	650	854	18700	15200	16300
9	623	348	499	967	764	891	650	541	575	15900	14000	15000
10	519	324	399	987	605	894	634	560	602	15200	11400	14400
11	346	315	327	993	743	924	709	634	671	12700	9430	11000
12	378	323	346	772	732	752	729	661	708	9430	7760	8380
13	373	327	349	765	677	732	746	647	692	8600	6640	7420
14	542	341	364	771	720	750	748	582	638	7650	5250	6370
15	617	542	598	773	283	451	793	531	656	6860	4850	5900
16	612	472	558	683	343	498	827	505	650	5880	3570	5060
17	626	415	484	683	350	491	786	485	604	5320	3410	4630
18	478	419	447	660	553	612	783	516	631	4520	3100	3660
19	572	455	523	679	609	655	799	512	644	3730	2420	2950
20	621	572	607	786	661	759	774	537	721	2520	1630	2120
21	685	559	638	862	703	800	1140	747	961	3390	1960	2730
22	716	610	679	895	807	865	1270	964	1200	3080	2420	2670
23	744	700	728	997	705	818	1280	820	1000	4080	2370	2980
24	802	744	778	997	869	926	1250	699	921	4560	3060	3720
25	828	776	808	988	925	950	1280	684	932	4050	3070	3440
26	885	827	867	1050	967	992	1280	618	762	5720	4050	4740
27	889	864	878	1070	617	898	1590	548	847	5810	4060	5090
28	872	715	819	1080	505	809	956	667	842	5930	3420	4850
29	765	572	709	1040	584	862	1020	612	763	5820	4990	5650
30	691	601	658	1010	765	934	1160	593	811	5740	4960	5530
31	---	---	---	821	435	670	1080	632	781	---	---	---
MONTH	889	291	611	1080	283	763	1590	485	758	20200	631	5690

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.8	24.3	25.0	25.8	23.6	24.6	17.4	14.5	15.8	21.2	20.2	20.6
2	26.2	25.2	25.6	24.7	21.4	23.4	14.5	12.3	13.4	20.7	19.6	20.2
3	25.8	25.1	25.5	22.1	19.8	21.0	14.6	12.1	13.6	21.8	20.1	20.9
4	26.0	24.4	25.2	21.0	19.4	20.1	15.1	13.7	14.4	22.2	21.0	21.6
5	25.2	24.1	24.7	21.1	19.6	20.3	16.3	14.5	15.3	21.8	20.5	21.1
6	24.1	22.3	23.0	22.5	19.6	21.1	17.0	15.2	16.0	21.0	18.2	19.8
7	22.5	21.2	21.9	22.4	21.1	21.6	19.8	16.0	17.9	18.2	14.5	15.8
8	22.3	21.1	21.5	21.5	18.3	20.3	18.0	14.2	16.3	14.6	12.4	13.7
9	23.6	20.9	22.1	18.3	16.8	17.5	16.0	13.7	14.5	14.0	11.9	13.1
10	24.4	22.0	23.0	17.4	15.5	16.7	16.8	13.2	14.9	13.3	9.2	11.7
11	24.0	21.7	22.7	17.8	15.6	16.7	18.4	15.2	16.3	12.2	9.8	10.7
12	24.1	21.1	22.4	18.0	16.5	17.4	18.5	14.9	16.4	9.8	7.9	8.9
13	24.0	21.4	22.6	18.2	16.8	17.6	19.7	14.7	16.9	8.3	6.8	7.5
14	24.7	21.5	22.9	18.7	17.1	18.0	19.4	14.7	16.4	8.5	6.0	7.2
15	24.2	21.9	22.9	19.4	17.8	18.5	17.3	14.6	15.8	10.2	7.5	8.8
16	24.7	22.0	23.1	19.1	18.4	18.8	15.5	14.5	15.1	11.0	9.5	10.1
17	24.5	23.2	23.8	19.7	19.0	19.3	14.5	13.4	13.8	9.6	6.9	8.1
18	24.6	22.6	23.9	21.2	19.6	20.2	13.4	9.9	12.0	8.9	6.6	7.9
19	23.6	21.3	22.4	20.3	19.6	20.0	9.9	7.9	8.7	10.6	7.0	8.4
20	23.5	21.3	22.3	20.6	19.1	19.6	10.8	7.2	9.0	12.7	8.7	10.2
21	24.2	21.7	22.9	20.8	19.4	20.1	11.6	8.6	9.9	14.3	8.6	10.7
22	23.6	22.3	22.9	20.3	18.7	19.7	12.7	10.3	11.0	15.4	9.9	12.1
23	22.5	20.2	21.5	20.1	18.3	19.3	13.6	10.3	11.5	16.5	11.3	13.6
24	21.9	19.7	20.8	20.7	19.2	19.9	14.1	11.3	12.8	17.9	12.4	15.1
25	21.9	21.2	21.5	19.8	15.3	18.2	13.2	10.6	11.8	19.3	17.4	18.1
26	22.5	21.2	21.7	15.3	13.1	14.7	12.6	10.3	11.4	17.9	15.3	16.8
27	24.1	21.7	23.0	13.1	11.6	12.2	16.5	12.5	15.1	19.7	15.1	17.8
28	24.2	22.7	23.3	14.6	11.6	13.1	18.6	16.0	17.1	19.2	14.2	17.4
29	24.8	22.5	23.6	16.0	13.4	14.5	19.3	18.2	18.8	14.2	12.0	12.7
30	24.6	23.3	23.9	15.7	14.5	15.1	19.6	18.3	18.9	13.4	11.6	12.4
31	25.8	23.3	24.5	---	---	---	20.9	19.6	20.3	14.9	11.7	13.3
MONTH	26.2	19.7	23.1	25.8	11.6	18.6	20.9	7.2	14.6	22.2	6.0	13.8

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.4	14.2	15.0	19.6	19.1	19.4	---	---	---	26.2	22.7	24.3
2	18.3	14.3	17.1	20.2	19.3	19.7	---	---	---	25.8	23.3	24.5
3	19.3	17.9	18.5	22.1	18.8	20.0	---	---	---	28.1	23.1	25.0
4	18.7	17.2	18.2	21.6	18.9	20.4	19.9	19.0	19.5	26.1	22.3	24.3
5	18.7	17.0	17.7	21.8	20.9	21.2	19.9	19.1	19.5	25.3	22.4	23.9
6	17.3	15.2	16.1	22.4	18.4	20.7	22.0	19.1	20.4	25.6	23.1	24.3
7	15.6	14.3	14.9	21.0	16.8	18.8	23.4	21.4	22.3	26.1	23.4	24.7
8	15.3	12.9	14.3	21.3	17.8	19.6	22.8	20.8	21.7	25.8	24.4	25.1
9	12.9	10.8	11.8	21.8	19.7	20.6	21.5	19.5	20.6	26.3	25.0	25.6
10	13.6	10.3	11.7	20.6	19.3	20.0	21.8	20.8	21.3	26.1	23.0	24.5
11	13.1	9.7	11.8	20.5	19.4	20.1	21.7	20.0	20.9	23.8	21.7	22.9
12	12.4	11.5	11.8	21.3	19.7	20.6	20.5	19.8	20.1	24.4	22.1	23.2
13	13.6	11.4	12.4	20.9	19.7	20.0	20.0	16.9	18.4	24.4	22.9	23.7
14	13.0	12.5	12.8	20.3	19.7	20.1	17.6	15.5	16.1	24.8	23.6	24.2
15	14.5	11.4	12.7	20.6	18.0	19.6	17.7	14.4	16.0	26.4	24.4	25.2
16	15.9	10.2	13.3	19.2	17.1	18.3	20.9	17.1	18.9	27.0	25.1	26.0
17	17.2	12.3	14.8	18.4	17.7	18.1	22.4	19.2	20.7	26.9	24.7	25.9
18	17.3	14.9	16.1	19.2	18.0	18.4	21.0	17.7	19.7	27.5	25.2	26.3
19	17.9	15.8	16.8	---	---	---	22.0	19.0	20.4	27.0	25.5	26.4
20	20.6	17.4	19.0	---	---	---	21.3	19.5	20.6	26.9	25.4	26.2
21	18.9	15.6	16.7	21.6	16.0	18.9	22.1	20.8	21.4	26.7	26.2	26.4
22	19.9	17.0	18.0	23.4	18.3	20.8	22.5	21.6	21.9	26.6	25.5	26.1
23	18.2	15.1	16.1	22.7	20.2	21.2	24.1	21.4	22.7	28.4	26.0	27.2
24	15.1	13.9	14.2	21.8	19.3	20.6	23.5	21.3	21.8	28.3	26.5	27.5
25	14.8	13.6	14.2	21.4	20.0	20.7	21.3	20.1	20.8	26.9	24.1	25.8
26	17.5	14.8	16.2	20.6	20.0	20.3	20.7	19.3	19.8	28.3	26.3	26.8
27	17.6	16.8	17.3	21.4	20.3	20.9	20.1	19.7	19.8	29.0	26.9	28.1
28	19.2	17.6	18.5	21.3	20.7	20.8	20.0	19.4	19.8	30.2	27.9	28.8
29	---	---	---	---	---	---	23.3	19.0	20.8	28.0	26.1	26.8
30	---	---	---	22.9	21.4	21.8	23.8	21.2	22.4	26.4	24.5	25.5
31	---	---	---	---	---	---	---	---	---	28.0	24.6	26.1
MONTH	20.6	9.7	15.3	23.4	16.0	20.1	24.1	14.4	20.3	30.2	21.7	25.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.7	23.7	25.8	30.0	27.3	28.6	27.4	26.4	27.0	32.2	28.6	30.5
2	28.0	24.6	26.3	31.5	28.3	29.7	30.4	25.7	27.6	32.2	29.3	30.8
3	28.6	25.1	26.8	33.0	29.1	30.6	31.3	27.9	29.6	31.8	27.8	29.8
4	28.1	25.2	26.6	32.6	29.8	31.0	30.6	28.6	29.4	31.2	29.0	30.1
5	28.7	25.6	27.3	31.8	29.0	30.8	32.0	28.6	29.8	31.3	29.1	30.2
6	28.9	26.3	27.7	31.7	28.0	29.8	31.8	27.8	29.7	30.3	29.2	29.8
7	28.1	26.5	27.4	31.3	27.8	29.7	30.1	26.3	28.1	30.7	28.6	29.2
8	29.9	25.8	27.9	30.0	27.7	28.6	29.0	26.8	28.0	30.8	28.4	29.5
9	29.5	27.6	28.6	29.2	26.7	27.6	30.1	25.7	27.6	30.2	29.0	29.5
10	29.3	27.7	28.4	30.0	26.2	28.0	29.7	28.0	28.7	29.8	28.1	29.1
11	29.5	27.8	28.7	31.1	27.3	28.5	31.0	27.8	29.3	30.3	27.4	28.7
12	29.9	28.2	28.8	30.4	26.7	28.3	32.0	29.3	30.4	30.2	27.3	28.6
13	29.5	28.4	29.0	29.9	27.0	28.2	31.9	29.6	30.6	30.3	28.2	29.1
14	31.2	28.4	29.2	30.0	26.5	28.1	31.4	29.9	30.6	31.0	28.0	29.5
15	31.6	28.8	30.1	32.4	28.6	30.6	32.7	29.6	30.9	31.4	28.5	29.7
16	31.0	29.3	29.9	31.3	29.2	30.3	32.5	30.0	31.2	31.7	27.9	29.8
17	31.0	29.0	29.7	29.7	27.8	29.1	33.0	30.1	31.5	31.9	28.9	30.2
18	29.0	26.4	27.8	27.8	25.5	26.6	33.4	30.0	31.7	31.5	28.7	30.1
19	28.0	25.4	26.4	29.6	25.8	27.4	33.8	29.7	31.8	31.6	29.3	30.3
20	29.1	26.3	27.4	30.8	27.5	28.9	32.7	29.8	31.2	31.3	29.5	30.4
21	29.9	27.5	28.7	31.2	28.0	29.5	32.1	28.1	30.1	31.1	30.0	30.4
22	30.5	28.1	29.3	31.1	28.8	29.9	32.1	28.1	30.1	30.6	29.5	30.0
23	30.7	28.3	29.5	30.0	28.4	29.2	31.2	29.5	30.3	30.1	29.3	29.8
24	29.8	27.7	28.8	31.0	27.3	29.0	31.5	28.8	29.9	30.1	29.2	29.6
25	28.8	27.1	28.0	32.3	28.1	29.9	30.5	28.2	29.2	29.4	25.8	28.0
26	28.4	27.2	27.8	32.5	29.1	30.5	31.8	28.3	30.2	28.0	24.9	26.0
27	28.6	27.0	27.8	32.6	30.5	31.2	31.1	29.4	30.2	29.0	25.4	26.7
28	28.3	26.8	27.5	33.5	30.4	31.5	31.6	29.4	30.3	29.0	25.1	26.8
29	28.4	26.6	27.5	32.3	28.4	30.6	32.0	28.6	30.2	28.3	24.8	26.1
30	28.4	27.1	27.8	31.0	27.6	29.1	32.5	28.3	30.5	29.5	25.4	26.9
31	---	---	---	31.8	27.1	29.2	32.3	29.4	30.7	---	---	---
MONTH	31.6	23.7	28.1	33.5	25.5	29.4	33.8	25.7	29.9	32.2	24.8	29.2

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.1	22.0	22.8	25.0	24.0	24.4	17.7	14.5	15.9	21.3	20.2	20.6
2	24.4	23.1	24.1	25.4	21.0	23.4	14.5	12.3	13.4	21.2	20.2	20.6
3	24.8	24.4	24.7	21.0	17.4	18.6	14.6	12.1	13.6	22.9	20.8	21.7
4	25.0	24.2	24.6	17.4	16.1	16.7	15.2	13.7	14.4	22.8	21.5	22.2
5	25.0	23.8	24.5	18.5	17.2	17.7	16.7	14.4	15.3	22.2	21.5	21.9
6	23.8	22.0	22.7	20.3	18.5	19.2	17.5	15.4	16.2	21.8	18.2	20.3
7	22.5	21.1	21.8	21.9	20.3	21.1	19.8	16.0	18.0	18.2	13.0	14.7
8	22.3	21.1	21.6	21.7	18.4	20.0	18.3	14.2	16.6	13.1	11.4	12.4
9	22.7	21.3	21.9	18.4	16.3	17.4	16.2	13.6	14.5	13.1	10.9	11.8
10	23.5	22.5	22.9	17.0	14.9	16.0	16.9	13.1	14.9	12.5	8.7	10.9
11	23.8	23.5	23.6	17.5	14.9	16.2	18.4	15.2	16.3	11.4	8.5	9.5
12	23.8	23.4	23.6	17.8	16.2	17.1	18.6	15.0	16.5	8.9	7.6	8.2
13	23.5	23.2	23.4	17.8	16.3	17.2	19.9	14.8	17.0	7.6	5.9	6.4
14	24.0	23.2	23.6	18.1	16.8	17.6	19.6	14.7	16.8	6.8	4.9	5.8
15	24.2	23.5	23.8	19.1	17.8	18.3	17.4	14.5	16.0	11.6	6.8	9.1
16	24.2	23.5	23.8	19.1	18.4	18.8	15.6	14.1	15.0	11.1	9.8	10.4
17	24.4	23.8	24.0	21.0	19.0	19.9	14.1	12.8	13.3	10.2	6.6	7.8
18	24.5	23.7	24.1	21.7	20.0	20.8	13.4	9.9	11.8	8.7	6.6	7.8
19	24.3	20.6	21.7	21.7	20.6	20.9	9.9	5.7	7.9	9.7	7.5	8.4
20	20.7	19.6	20.1	21.2	20.7	20.9	8.9	5.7	7.5	12.8	8.7	10.3
21	22.0	20.6	21.2	22.0	21.0	21.4	11.3	8.2	9.3	15.2	8.7	11.2
22	22.9	22.0	22.6	22.0	20.4	21.4	12.9	10.3	11.1	16.0	10.0	12.4
23	22.8	19.2	20.6	20.4	18.8	19.6	13.8	10.3	11.6	17.0	11.3	13.8
24	19.8	18.1	18.9	20.9	19.5	20.0	14.1	11.4	12.8	19.0	12.5	15.4
25	21.1	19.7	20.2	20.3	15.2	17.8	13.5	9.5	11.1	19.2	17.0	18.3
26	22.6	21.1	21.8	15.4	13.1	14.7	13.3	10.4	11.0	18.0	15.2	16.7
27	23.5	22.2	22.8	13.1	11.5	12.1	16.8	13.1	15.3	20.3	15.2	18.1
28	23.7	23.0	23.3	14.5	11.5	13.1	18.8	16.0	17.2	19.2	13.6	17.3
29	24.3	23.0	23.5	16.1	13.5	14.5	19.3	18.8	19.0	13.6	11.8	12.5
30	25.4	23.8	24.4	15.6	14.5	15.1	19.6	18.3	18.9	13.0	11.5	12.2
31	25.0	24.0	24.4	---	---	---	20.8	19.6	20.2	14.8	11.6	13.2
MONTH	25.4	18.1	22.8	25.4	11.5	18.4	20.8	5.7	14.5	22.9	4.9	13.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.8	14.3	15.1	22.0	20.1	20.9	---	---	---	26.2	22.7	24.4
2	18.6	14.6	17.3	21.8	19.5	20.9	19.8	17.4	18.7	25.8	23.3	24.6
3	20.5	18.4	19.2	21.9	18.1	20.0	19.9	19.0	19.4	28.2	23.0	25.0
4	19.6	18.5	19.2	21.7	18.9	20.7	20.9	19.2	19.9	26.0	22.2	24.2
5	18.5	17.1	17.8	24.3	21.6	22.6	20.1	19.2	19.5	24.3	22.4	23.1
6	17.2	14.4	15.5	22.7	18.4	20.9	24.5	19.1	20.7	23.7	22.6	23.0
7	16.8	14.6	15.3	20.7	16.8	18.5	24.5	21.8	22.9	24.1	23.1	23.6
8	15.8	12.6	14.0	20.8	17.5	19.3	23.0	20.7	21.7	25.9	24.1	25.0
9	12.8	10.6	11.6	21.7	20.1	20.6	22.1	19.2	20.3	26.5	24.8	25.7
10	13.6	10.3	11.7	22.8	20.4	21.4	22.3	20.4	21.5	26.6	22.5	24.4
11	12.5	9.5	11.2	22.8	21.9	22.4	22.5	20.1	21.3	22.7	20.2	21.6
12	12.1	11.1	11.5	22.7	21.2	22.0	20.5	20.0	20.2	23.7	20.8	22.0
13	12.7	11.5	12.1	21.5	20.3	20.7	20.1	16.8	18.4	23.8	22.0	23.0
14	13.1	12.5	12.9	23.4	20.4	21.2	17.6	15.4	16.1	24.5	23.7	24.0
15	14.6	10.8	12.3	23.4	17.9	19.9	17.8	14.3	16.1	25.7	24.5	25.0
16	16.0	10.2	13.3	19.3	17.0	18.3	20.5	17.0	18.8	26.9	24.8	25.9
17	17.2	12.1	14.9	18.5	17.1	17.8	22.2	19.1	20.6	26.8	24.7	25.9
18	16.3	14.4	15.3	19.3	17.8	18.4	20.6	17.5	19.4	27.4	25.3	26.2
19	17.0	15.1	16.4	---	---	---	21.5	18.7	20.1	27.6	25.8	26.8
20	21.8	17.0	19.5	---	---	---	21.7	19.4	20.6	27.5	25.6	26.5
21	21.4	17.7	19.5	---	---	---	22.6	20.9	21.7	27.9	26.9	27.5
22	21.2	15.8	18.4	23.0	18.2	20.6	23.3	22.2	22.8	27.4	24.5	25.6
23	18.2	15.1	16.0	22.3	20.1	21.3	24.5	19.7	22.6	28.5	25.7	26.9
24	15.1	13.7	14.1	21.6	19.6	20.6	23.3	21.0	21.8	28.6	26.5	27.5
25	14.8	13.5	14.1	22.4	20.3	21.5	21.1	20.0	20.6	26.5	23.2	24.5
26	19.3	14.8	16.9	21.7	20.7	21.2	20.5	18.4	19.3	29.3	25.8	27.0
27	19.3	18.1	18.6	22.3	21.2	21.9	20.1	19.3	19.8	29.3	26.8	28.0
28	20.2	18.4	19.3	22.8	20.9	21.9	20.1	19.4	19.8	30.1	27.8	28.7
29	---	---	---	---	---	---	23.4	18.8	20.8	27.8	26.1	26.8
30	---	---	---	---	---	---	24.0	21.2	22.6	26.4	24.5	25.5
31	---	---	---	---	---	---	---	---	---	28.0	24.6	26.1
MONTH	21.8	9.5	15.5	24.3	16.8	20.6	24.5	14.3	20.3	30.1	20.2	25.3

MISSISSIPPI RIVER DELTA

07381326 BAYOU LACARPE NEAR CROZIER, LA--Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.7	23.6	25.8	30.2	27.3	28.6	27.4	26.4	26.9	31.3	28.2	29.6
2	28.1	24.5	26.3	32.1	28.3	29.7	30.4	25.7	27.4	31.7	28.7	30.2
3	28.6	25.0	26.8	33.5	29.0	30.7	30.3	27.7	28.9	30.9	27.3	29.0
4	27.5	25.1	26.4	32.0	29.6	30.6	29.8	28.4	29.0	30.7	28.5	29.4
5	28.7	25.5	27.2	31.4	28.9	30.6	31.9	28.6	29.6	30.4	28.6	29.5
6	28.8	26.2	27.6	30.7	27.7	29.0	31.2	27.7	29.4	30.2	29.2	29.8
7	28.0	26.3	27.2	30.4	27.7	29.1	30.3	26.2	28.1	29.6	28.5	29.0
8	29.6	25.8	27.5	29.2	27.5	28.1	28.9	26.7	27.9	30.0	28.9	29.4
9	29.1	27.3	28.4	27.9	26.5	27.1	30.1	25.7	27.7	29.9	28.5	29.2
10	29.2	27.3	28.2	29.1	26.0	27.5	29.7	28.0	28.8	29.5	28.2	29.0
11	29.7	27.8	28.8	30.7	27.2	28.3	31.1	27.8	29.4	30.0	27.2	28.2
12	30.4	28.3	29.2	30.6	26.6	28.3	31.8	29.0	30.1	28.6	26.7	27.3
13	30.3	28.7	29.5	30.0	26.9	28.2	32.0	29.5	30.3	28.9	27.4	27.9
14	32.3	28.6	29.5	30.1	26.3	28.0	31.0	29.8	30.4	29.1	27.4	28.2
15	32.3	28.7	30.1	32.1	28.6	30.4	31.6	29.5	30.5	29.1	27.8	28.3
16	31.3	29.4	29.9	30.8	29.0	30.0	32.1	29.9	30.9	29.3	26.8	27.8
17	31.3	29.2	29.8	29.1	27.0	28.6	32.5	29.9	31.1	29.6	27.4	28.4
18	29.2	26.2	27.6	27.6	25.6	26.5	32.4	29.8	31.0	29.7	27.9	28.9
19	27.7	25.3	26.0	29.3	25.7	27.2	32.7	29.4	31.0	29.9	28.0	29.1
20	29.2	26.3	27.2	31.3	27.5	28.8	32.1	29.2	30.2	30.4	29.4	29.8
21	30.2	27.5	28.4	31.9	28.0	29.2	31.5	28.0	29.8	30.6	29.5	30.1
22	30.8	28.1	29.0	31.4	28.7	29.8	31.1	27.6	29.5	30.9	29.4	29.9
23	31.3	28.3	29.6	29.9	28.3	29.1	31.0	29.1	30.0	30.0	29.2	29.7
24	29.7	27.7	28.7	30.9	27.1	28.9	29.3	28.3	29.0	30.0	29.0	29.5
25	29.3	27.1	28.0	33.5	28.0	30.0	28.8	27.6	28.3	29.0	25.9	27.9
26	28.5	27.2	27.8	32.9	28.8	30.4	30.9	27.6	29.4	28.3	23.7	25.6
27	28.4	27.0	27.8	32.8	30.4	31.1	31.1	29.4	30.1	26.8	24.5	25.3
28	28.5	26.8	27.5	32.7	30.4	31.1	30.8	29.1	29.9	26.8	24.6	25.3
29	28.4	26.5	27.4	31.3	28.4	30.3	31.0	28.4	29.6	27.5	23.7	25.0
30	28.5	27.1	27.8	30.1	27.1	28.3	31.9	27.9	29.7	27.6	24.2	25.3
31	---	---	---	31.1	27.1	28.8	31.7	28.9	30.1	---	---	---
MONTH	32.3	23.6	28.0	33.5	25.6	29.1	32.7	25.7	29.5	31.7	23.7	28.4

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-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to Oct. 1, 1995, datum of gage was 10.00 ft below sea level.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.91 ft, revised, Aug. 26, 1992; minimum, -1.42 ft, Jan. 8, 1996.

REVISIONS.--Maximum elevation has been revised to reflect the datum used prior to Oct. 1, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2.46 ft, Apr. 5; minimum, -0.77 ft, Jan. 17.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.25	.52	.97	1.25	.71	.99	1.57	.56	.90	.65	.24	.41
2	1.28	.73	1.02	1.14	-.02	.41	.93	.52	.64	.58	.24	.40
3	1.22	.70	1.00	.59	.04	.34	.90	.30	.51	.91	.19	.57
4	1.36	1.02	1.24	.71	.19	.47	.84	.07	.38	1.17	.38	.75
5	1.76	1.35	1.62	.77	.45	.54	.86	.51	.61	1.07	.42	.72
6	1.66	1.52	1.60	1.09	.72	.83	1.04	.19	.56	1.02	.25	.60
7	1.75	1.49	1.61	1.31	.83	1.12	.97	.25	.50	1.09	.13	.62
8	2.13	1.46	1.89	.83	.07	.35	.64	-.31	.15	1.19	.39	.82
9	1.46	1.14	1.24	.82	-.36	.18	.78	-.17	.26	1.01	.13	.43
10	1.23	.55	.94	.79	-.08	.25	.86	-.07	.32	.61	-.06	.26
11	.93	.47	.65	.75	-.30	.20	1.01	.05	.48	.61	-.22	.12
12	.98	.53	.79	.75	-.11	.30	1.04	.17	.57	.39	-.25	.05
13	1.14	.52	.85	.74	-.07	.35	.92	.02	.47	.23	-.46	-.09
14	1.29	.69	1.04	.84	-.10	.36	.83	.12	.48	.49	-.07	.12
15	1.36	.68	1.03	1.15	.38	.76	.91	.22	.59	1.06	.41	.71
16	1.34	.77	1.07	1.72	1.15	1.45	1.01	.36	.76	.66	-.44	.01
17	1.47	.91	1.21	1.97	1.36	1.66	.67	.22	.36	.33	-.77	-.23
18	1.39	.54	.96	1.62	1.14	1.37	.54	-.11	.13	.10	-.61	-.22
19	1.08	.53	.81	1.36	1.07	1.19	.10	-.56	-.25	.33	-.64	-.17
20	1.27	.65	.97	1.47	1.01	1.25	.40	-.55	-.13	.44	-.66	-.16
21	1.19	.84	1.04	1.47	1.10	1.26	.84	-.24	.28	.68	-.32	.16
22	1.66	.78	1.28	1.28	.63	.95	.97	-.11	.51	.71	.03	.39
23	.84	.47	.68	1.45	.75	1.07	1.05	.12	.59	.90	-.14	.32
24	1.13	.66	.91	1.75	.84	1.24	1.05	.04	.39	.95	.42	.73
25	1.42	.80	1.09	1.75	.63	1.11	.79	-.33	.14	.90	.09	.44
26	1.61	1.11	1.38	.63	-.06	.28	1.05	.11	.57	1.00	.21	.56
27	1.58	1.00	1.29	.80	-.13	.26	1.11	.41	.72	1.10	.59	.78
28	1.58	.78	1.16	.91	-.04	.43	1.04	.29	.60	.82	.16	.53
29	1.42	.87	1.16	1.30	.51	.82	.87	.38	.64	.47	.13	.27
30	1.45	.78	1.08	1.57	1.01	1.29	.75	.16	.42	.40	.06	.19
31	1.23	.50	.87	---	---	---	.60	.23	.40	.47	.00	.23
MONTH	2.13	.47	1.11	1.97	-.36	.77	1.57	-.56	.44	1.19	-.77	.33

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	.84	-.06	.42	1.44	.94	1.17	1.06	.17	.66	.94	.46	.72
2	.82	.07	.46	1.56	.84	1.19	1.00	.42	.72	1.34	.87	1.09
3	.93	.19	.59	1.19	.61	.90	1.17	.44	.79	1.24	.43	.88
4	1.14	.26	.67	1.11	.44	.80	1.70	.88	1.29	.64	.32	.45
5	.98	.06	.48	1.04	.52	.77	2.46	1.70	2.09	1.07	.34	.77
6	.93	.10	.47	.72	-.05	.31	1.72	1.03	1.34	.88	.35	.66
7	.93	.26	.65	.97	.26	.58	1.17	.62	.91	.98	.35	.71
8	.76	-.20	.10	1.07	.29	.63	1.43	.62	1.10	1.27	.40	.90
9	.34	-.19	.11	.96	.37	.56	1.25	.74	1.02	1.08	.51	.77
10	.22	-.24	-.03	.85	.33	.61	1.38	.64	1.04	.96	.29	.63
11	.43	-.26	.08	.64	.31	.52	1.88	.90	1.37	1.23	.32	.81
12	1.28	.34	.62	1.03	.23	.78	1.33	1.03	1.21	1.08	.48	.79
13	1.28	.66	.92	1.53	.98	1.29	1.10	.53	.83	.91	.49	.69
14	.75	.27	.53	1.09	.63	.98	.98	.50	.75	.81	.39	.60
15	.72	-.10	.28	1.00	.31	.68	.93	.40	.66	.50	.29	.40
16	.57	-.03	.28	.91	.28	.64	.86	.46	.65	.55	.17	.37
17	.41	-.22	.13	1.02	.34	.70	.65	.14	.41	.88	.48	.72
18	.65	-.13	.22	1.05	.42	.77	.70	.03	.32	.82	.61	.70
19	.80	.04	.39	.88	.58	.74	.64	.39	.52	1.16	.61	.97
20	1.24	.36	.74	.58	.14	.34	.74	.37	.52	1.05	.46	.86
21	1.43	.81	1.06	.51	.08	.32	1.06	.51	.83	1.09	.43	.75
22	.86	.07	.34	.50	.24	.37	1.08	.51	.83	.88	.39	.63
23	.82	.17	.49	.61	.08	.33	.77	.22	.51	1.06	.33	.74
24	.87	.26	.52	.71	.44	.57	1.17	.34	.78	1.34	.23	.86
25	.79	.46	.65	1.03	.59	.86	1.42	.68	1.15	1.29	.74	1.01
26	1.21	.73	1.03	.90	.45	.69	1.69	1.03	1.32	1.27	.79	1.01
27	1.05	.54	.72	.98	.38	.70	2.14	1.28	1.75	1.10	.62	.87
28	1.34	.51	.95	1.19	.64	.94	1.65	.82	1.27	.93	.53	.75
29	---	---	---	.96	.51	.77	.84	.46	.68	1.08	.47	.81
30	---	---	---	.84	.38	.62	1.15	.37	.80	1.17	.80	.97
31	---	---	---	.90	.00	.45	---	---	---	.95	.47	.81
MONTH	1.43	-.26	.50	1.56	-.05	.70	2.46	.03	.94	1.34	.17	.76
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	.77	.39	.57	.91	.23	.63	.74	-.09	.42	---	---	---
2	.91	.23	.61	.85	.08	.50	.98	-.09	.57	---	---	---
3	.81	.11	.51	.51	-.14	.24	.88	.17	.58	---	---	---
4	.93	.11	.56	.62	-.21	.24	.80	.22	.53	.69	.36	.53
5	1.05	.22	.66	.84	-.10	.35	.46	.15	.34	.87	.45	.66
6	1.21	.34	.82	.86	.13	.53	.54	.11	.32	1.50	.87	1.17
7	1.19	.50	.85	.86	.27	.58	.55	.15	.37	1.51	.90	1.23
8	1.14	.43	.82	.82	.27	.50	.71	.26	.47	1.48	.95	1.21
9	1.18	.62	.94	.69	.22	.47	.77	.28	.51	1.45	.69	1.16
10	1.40	.72	1.08	.62	.26	.45	.70	.22	.45	1.29	.65	1.00
11	1.56	1.17	1.38	.41	.18	.29	.68	.14	.43	1.29	.46	.91
12	1.46	1.01	1.26	.46	.12	.30	.84	.14	.55	1.19	.61	.91
13	1.38	1.09	1.22	.52	.13	.35	.86	.17	.54	1.26	.56	.93
14	1.26	.89	1.14	.81	.13	.52	.92	.19	.57	1.15	.56	.90
15	1.04	.72	.90	1.11	.42	.78	1.12	.21	.70	1.10	.59	.88
16	1.36	.74	1.09	1.19	.48	.88	1.19	.41	.90	1.10	.68	.92
17	1.43	.81	1.18	1.62	.58	1.23	1.22	.45	.89	1.12	.76	.94
18	1.40	.65	1.08	.86	.26	.66	1.14	.36	.81	1.16	.61	.93
19	1.25	.50	.83	.97	.13	.58	1.10	.36	.78	1.30	.69	1.00
20	1.04	.42	.73	.70	.16	.45	.77	.43	.63	1.45	.81	1.17
21	1.25	.33	.81	.69	.06	.41	.61	.25	.44	1.47	.61	1.09
22	1.12	.43	.80	.50	.01	.28	.74	.07	.45	1.28	.63	.98
23	.88	.46	.67	.59	-.02	.28	.76	.30	.55	1.50	.74	1.12
24	1.00	.22	.60	.43	.01	.22	.89	.26	.61	1.41	.84	1.15
25	.77	.43	.62	.34	.09	.23	.91	.17	.58	1.22	.24	.76
26	.73	.46	.57	.30	-.01	.15	1.09	.48	.77	.81	.24	.56
27	.54	.35	.44	.43	-.22	.15	1.19	.50	.87	.81	.39	.63
28	.54	.24	.42	.59	-.04	.29	1.02	.31	.71	.79	.42	.66
29	.99	.36	.66	.69	-.01	.34	.96	.27	.64	.62	.26	.48
30	.96	.42	.72	.73	-.01	.36	---	---	---	.49	.18	.36
31	---	---	---	.77	-.01	.45	---	---	---	---	---	---
MONTH	1.56	.11	.82	1.62	-.22	.44	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA
07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 38,600 microsiemens, Nov. 18, 1996; minimum daily, 122 microsiemens, Feb. 18, 1996.

WATER TEMPERATURES: Maximum daily, 33.3°C, July 27, 1995; minimum daily, 6.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum daily, 38,600 microsiemens, Nov. 18; minimum daily, 215 microsiemens, June 6.

WATER TEMPERATURES: Maximum daily, 33.0°C, Aug. 17; minimum daily, 7.2°C, Jan. 18.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19600	2540	9650	8830	4390	5910	24600	4840	12700	1060	557	726
2	15200	6030	9400	5420	4400	5050	4840	586	1650	1070	552	754
3	13700	4490	8460	4750	4290	4370	1490	582	1020	1300	545	807
4	23900	4490	17500	5620	4350	5200	1500	568	886	1050	563	689
5	33900	23900	30300	5730	4940	5180	807	575	710	1590	559	832
6	30400	25500	27500	12900	5730	9160	1390	589	896	781	540	598
7	31300	28500	29600	23500	12900	19400	1240	591	959	818	548	623
8	33800	28800	32700	22100	8740	14700	1520	565	1020	3650	591	1700
9	30700	25600	27900	8740	5110	5980	991	557	774	2060	751	1360
10	28700	13600	21900	5900	5050	5550	1070	574	801	906	588	747
11	13600	6210	8660	5430	4940	5110	1170	540	816	1090	580	816
12	7250	4450	5550	5790	5120	5440	1720	588	1090	821	565	631
13	12600	4890	6600	5540	5150	5330	2570	525	1130	781	573	612
14	27400	9900	15600	5430	5210	5280	1130	505	660	2870	579	854
15	27200	11700	17500	7960	5270	6720	712	506	572	21300	2870	8640
16	26100	11600	15600	33200	7960	21600	1140	510	605	8590	1300	3490
17	30600	12400	21400	36600	33200	35300	1180	523	830	1320	635	949
18	22900	11100	17100	38600	33700	35100	1120	514	830	1060	630	828
19	11300	5640	8690	38000	24100	32400	1250	536	971	1130	626	843
20	25600	5690	15500	24100	14800	17800	974	534	703	807	613	707
21	16800	8620	12600	20800	11200	14400	3560	531	679	1710	636	723
22	32500	9200	23100	11200	5330	8220	4420	593	1210	3800	703	1250
23	20200	8100	11900	13100	2210	4810	3070	584	989	1040	711	802
24	22100	6630	9650	24800	3780	9510	1570	601	969	9400	783	2220
25	29200	15400	21200	29600	4670	13500	1010	539	684	1240	798	992
26	35000	28300	32000	4670	737	2360	1490	555	712	922	872	885
27	31300	27500	29600	1810	690	1120	2530	645	1090	15600	892	4070
28	30100	15800	20900	1590	796	1160	902	613	700	1590	1060	1350
29	18400	10100	13600	6350	908	1900	718	597	630	1500	977	1090
30	16800	7680	11600	28900	6350	23500	1370	575	847	1330	997	1160
31	7810	4570	6370	---	---	---	1260	563	795	1420	1030	1210
MONTH	35000	2540	17400	38600	690	11000	24600	505	1260	21300	540	1390

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1470	1060	1290	1740	425	682	534	379	429	1390	289	762
2	1500	1100	1290	809	471	610	412	374	384	297	273	284
3	1300	1130	1190	701	405	520	394	374	380	1240	274	636
4	1270	1160	1210	861	408	574	6210	375	1400	1220	301	624
5	1720	1190	1350	545	392	451	29500	6210	25600	1250	288	427
6	1450	1240	1320	1020	384	675	21700	1580	7800	545	259	316
7	1320	1270	1300	448	382	390	1880	727	1250	730	260	357
8	1630	1300	1460	516	368	403	1470	418	636	814	275	347
9	1730	1360	1490	527	354	412	1000	399	586	601	276	358
10	1940	1390	1620	500	360	375	1200	396	646	810	273	448
11	2160	1440	1580	559	367	419	1700	389	683	383	265	299
12	15700	2050	5330	687	369	450	848	389	578	350	257	288
13	21700	1890	5500	5080	365	1060	1300	413	862	372	254	294
14	2290	558	1250	954	388	480	1260	385	716	606	260	438
15	1600	526	1050	623	370	472	1120	378	729	723	398	527
16	1030	515	742	568	365	424	1100	378	666	841	275	443
17	1220	495	805	478	354	390	1600	708	1230	279	267	274
18	1000	482	678	420	371	383	1380	387	692	274	262	268
19	576	468	496	480	378	399	909	389	569	277	266	270
20	1730	461	509	942	396	676	909	379	634	332	277	298
21	19100	660	5340	1140	415	907	746	376	457	421	316	342
22	1500	475	999	898	507	653	517	389	425	421	315	358
23	477	457	465	832	380	552	876	397	602	491	295	341
24	525	440	461	384	374	378	771	394	487	393	283	319
25	1090	443	558	380	372	375	4830	387	1630	344	257	284
26	8280	998	3680	385	372	376	8860	1100	3170	455	276	341
27	5140	436	1650	428	372	386	23700	2530	12800	458	273	363
28	818	440	573	410	370	376	16000	1010	5070	620	275	431
29	---	---	---	460	378	410	1200	886	1000	713	250	390
30	---	---	---	531	376	411	1260	327	723	558	247	306
31	---	---	---	680	379	495	---	---	---	617	370	471
MONTH	21700	436	1610	5080	354	502	29500	327	2430	1390	247	384

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	659	242	385	613	406	483	829	800	808	---	---	---
2	612	236	350	591	456	510	1310	810	954	---	---	---
3	522	234	309	668	469	567	2110	982	1410	---	---	---
4	639	230	299	704	470	547	2060	644	1380	2050	455	549
5	496	223	282	681	459	531	644	273	355	14700	814	4330
6	319	215	250	503	453	468	456	265	307	27100	14700	24600
7	242	218	227	520	463	487	309	271	287	27100	25700	26500
8	275	223	238	611	481	518	599	309	354	25700	23800	24400
9	272	224	243	637	523	563	413	329	350	24400	21800	23800
10	2450	270	572	639	541	572	515	357	400	23400	18100	22300
11	4380	422	1470	762	542	659	518	305	378	20500	15200	19000
12	1230	410	705	766	536	641	494	322	364	18000	11300	15400
13	610	285	395	774	554	620	364	320	333	18400	10200	13500
14	399	334	349	704	548	578	559	351	393	14200	8140	10400
15	466	370	399	583	549	556	1850	367	751	8200	4300	5780
16	426	358	380	572	546	553	14200	369	4840	8260	2490	4100
17	415	363	382	12000	543	3280	10400	796	3370	5780	1350	2620
18	412	363	384	3860	854	1700	1880	481	964	4400	1280	2310
19	538	386	414	909	648	712	1560	330	596	12100	2230	5740
20	551	388	444	765	649	699	450	345	374	25900	9510	19600
21	592	316	417	764	636	688	547	408	463	25700	12500	19200
22	524	300	359	735	634	676	3210	452	605	20300	7540	12800
23	594	299	403	710	636	675	7780	1820	3040	24500	7540	17000
24	720	314	470	769	664	704	11600	1890	5460	21200	9980	14700
25	538	311	403	776	681	728	10200	1920	4570	9980	2660	6370
26	634	317	468	784	728	755	18900	1880	9440	2660	942	1480
27	674	384	570	791	692	730	21800	7160	14600	6610	928	3500
28	702	355	508	799	744	762	11300	4470	8170	4160	2140	3170
29	608	361	419	807	762	784	6750	1250	3880	2140	824	1430
30	621	379	444	810	759	777	---	---	---	1520	745	995
31	---	---	---	949	780	819	---	---	---	---	---	---
MONTH	4380	215	431	12000	406	753	21800	265	2390	27100	455	11300

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	25.4	22.9	24.4	25.1	23.8	24.4	17.4	15.2	16.3	16.4	15.5	16.0
2	26.1	24.2	25.1	24.2	22.4	23.3	15.6	14.7	15.1	17.8	16.2	16.8
3	25.5	24.9	25.2	22.5	21.4	22.1	14.8	14.2	14.5	18.6	16.8	17.8
4	25.4	24.5	25.0	21.7	20.3	21.1	14.5	13.9	14.3	18.8	17.8	18.3
5	24.9	22.9	23.9	22.0	20.1	21.1	15.5	14.4	15.0	20.8	18.3	19.1
6	22.9	21.0	21.8	21.6	19.4	20.3	16.1	15.0	15.6	18.5	16.7	17.8
7	21.2	20.3	20.8	22.5	21.2	21.8	16.8	15.8	16.3	16.7	14.6	15.4
8	22.6	20.7	21.5	21.2	19.9	20.3	15.8	14.6	15.2	15.3	14.6	15.1
9	22.5	21.6	22.1	19.9	18.5	19.3	14.6	13.9	14.2	14.7	12.9	13.8
10	23.5	21.9	22.7	19.1	18.3	18.6	15.0	13.7	14.5	13.5	12.3	13.1
11	23.4	22.0	22.6	18.6	18.0	18.3	16.4	15.0	15.7	12.3	10.7	11.1
12	23.3	22.0	22.5	18.6	17.8	18.2	18.2	15.6	16.7	10.8	9.5	10.3
13	23.5	21.9	22.6	18.6	17.8	18.2	19.7	15.0	16.7	9.5	8.3	9.0
14	23.5	21.8	22.5	18.9	17.8	18.4	17.0	14.8	15.5	8.6	8.0	8.3
15	23.6	22.0	22.9	19.1	18.5	18.7	16.0	14.9	15.4	9.0	7.6	8.3
16	24.3	22.6	23.3	19.1	18.8	19.0	15.6	14.9	15.3	9.9	8.4	9.0
17	25.2	23.5	24.3	20.7	19.1	19.9	14.9	13.2	14.2	8.5	7.5	8.0
18	24.8	23.1	24.3	21.2	20.1	20.5	13.2	10.9	12.1	8.1	7.2	7.7
19	23.1	22.2	22.6	21.2	20.3	20.7	10.9	10.4	10.7	8.2	7.3	7.8
20	22.9	21.2	22.1	20.3	19.6	20.0	10.6	9.5	10.2	9.0	7.8	8.4
21	23.2	22.1	22.5	21.3	20.0	20.6	12.1	9.8	10.7	10.4	8.5	9.5
22	23.0	21.5	22.4	21.0	19.3	20.0	11.8	10.2	11.1	11.5	10.1	11.0
23	22.1	19.4	21.3	20.0	18.9	19.5	12.5	10.7	11.5	14.3	11.1	12.2
24	21.4	20.6	21.0	20.7	19.5	20.1	14.2	11.2	12.5	14.8	12.9	13.6
25	21.4	20.1	20.8	21.1	17.7	19.2	11.5	10.4	11.0	16.9	13.2	14.7
26	23.5	20.7	22.0	17.7	14.7	16.3	11.9	10.7	11.3	14.7	12.9	13.9
27	24.2	22.4	23.3	14.7	13.2	13.8	12.9	11.5	12.2	16.0	14.4	15.3
28	24.1	22.9	23.5	13.8	13.0	13.4	14.7	12.5	13.3	15.1	14.1	14.8
29	23.9	22.9	23.5	14.9	13.5	14.0	13.7	12.2	12.8	14.5	13.9	14.1
30	24.5	23.6	24.0	17.9	14.7	16.3	16.5	12.9	14.4	14.1	12.9	13.5
31	24.3	23.4	23.9	---	---	---	16.2	14.4	15.2	13.4	12.3	12.9
MONTH	26.1	19.4	22.9	25.1	13.0	19.2	19.7	9.5	13.9	20.8	7.2	12.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	14.3	13.1	13.8	18.9	17.5	18.1	19.5	18.7	19.1	24.0	20.8	22.1
2	15.4	14.0	14.7	19.3	18.1	18.7	19.5	18.3	18.7	23.8	22.2	22.9
3	16.2	14.6	15.3	20.3	18.5	19.3	18.7	18.2	18.3	25.3	23.3	24.4
4	16.0	15.4	15.7	20.2	18.6	19.4	19.5	18.3	18.9	25.1	23.2	24.0
5	17.7	15.0	15.9	20.1	18.7	19.5	21.2	19.5	20.8	24.3	22.8	23.5
6	15.0	14.2	14.5	20.1	19.0	19.5	21.6	19.8	20.7	25.4	23.4	24.2
7	14.7	13.9	14.3	19.7	18.5	19.1	21.6	19.9	20.8	25.6	23.8	24.6
8	14.1	13.1	13.7	20.0	18.3	19.1	21.0	19.8	20.3	25.5	24.1	24.7
9	14.0	11.7	12.8	20.4	18.8	19.6	20.7	19.5	20.0	25.5	24.6	25.1
10	12.3	11.0	11.6	20.0	18.9	19.3	20.5	19.5	20.0	25.7	23.6	24.6
11	13.0	11.5	12.1	20.0	18.8	19.2	20.2	19.8	20.0	24.0	23.1	23.6
12	11.9	11.1	11.4	20.6	19.4	20.0	20.3	19.6	19.9	23.8	22.6	23.3
13	12.2	10.8	11.5	20.2	19.2	19.6	19.8	18.5	18.9	24.6	22.9	23.8
14	11.5	10.3	11.0	20.5	19.7	20.0	18.5	17.3	17.8	24.8	23.4	24.1
15	11.2	10.0	10.5	20.7	18.2	19.3	17.8	16.6	17.1	26.1	24.6	25.2
16	11.7	10.0	10.8	18.2	17.2	17.6	18.6	16.9	17.8	26.3	24.9	25.5
17	12.5	11.0	11.9	18.2	17.2	17.7	20.7	18.2	19.3	26.1	25.0	25.5
18	13.3	11.7	12.5	18.0	17.3	17.7	19.8	18.4	19.0	26.5	25.0	25.7
19	14.0	12.3	13.2	18.2	17.3	17.7	20.0	18.5	19.1	26.4	25.5	25.9
20	16.4	13.8	14.9	18.6	16.7	17.8	20.2	19.5	19.8	26.7	25.3	26.0
21	18.8	15.8	17.3	18.4	16.3	17.4	22.1	19.8	20.7	27.1	25.7	26.4
22	18.1	15.4	17.2	19.0	17.7	18.4	22.7	21.4	21.8	27.1	25.9	26.6
23	15.4	14.2	14.8	20.2	18.4	19.1	22.5	21.3	22.0	27.6	26.1	26.9
24	14.2	13.9	14.0	19.7	18.4	18.9	22.1	21.1	21.7	27.1	26.3	26.7
25	14.7	14.2	14.5	20.2	18.8	19.5	21.3	20.4	21.0	27.4	25.7	26.6
26	17.2	14.7	15.7	20.4	19.5	19.9	20.8	19.3	20.1	27.5	25.7	26.5
27	16.8	15.9	16.3	20.8	19.9	20.4	19.8	18.8	19.6	28.2	26.9	27.5
28	18.0	16.3	17.2	21.3	20.3	20.7	19.6	19.2	19.4	28.8	27.7	28.2
29	---	---	---	22.0	21.2	21.5	20.5	18.9	19.7	28.4	27.2	27.6
30	---	---	---	22.3	21.0	21.6	21.1	20.1	20.6	27.8	26.9	27.3
31	---	---	---	22.4	19.5	20.5	---	---	---	27.3	26.4	26.8
MONTH	18.8	10.0	13.9	22.4	16.3	19.2	22.7	16.6	19.8	28.8	20.8	25.3

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.9	26.4	27.0	30.5	29.0	29.7	31.1	29.7	30.4	---	---	---
2	28.0	26.7	27.2	30.9	29.3	30.2	30.5	29.5	29.9	---	---	---
3	28.3	26.8	27.6	31.7	30.2	31.0	31.1	29.8	30.2	---	---	---
4	28.1	27.1	27.5	32.2	30.7	31.4	30.9	30.0	30.3	31.4	30.3	30.9
5	29.0	27.3	27.8	31.8	30.4	31.3	31.5	30.0	30.7	31.0	29.8	30.4
6	28.8	27.6	27.9	31.5	30.3	30.8	31.4	30.6	30.9	30.0	27.5	28.8
7	28.0	27.4	27.7	31.5	30.1	30.6	31.1	30.4	30.7	28.1	26.5	27.3
8	29.0	27.3	28.0	31.0	29.7	30.4	30.7	30.3	30.5	28.8	26.9	27.8
9	29.0	27.8	28.2	30.2	29.4	29.7	31.4	30.0	30.6	29.6	28.0	28.6
10	28.5	27.6	28.0	30.8	28.9	29.8	31.1	30.4	30.7	30.2	28.7	29.3
11	28.5	27.2	27.7	31.7	29.7	30.6	31.6	30.2	30.8	30.4	28.7	29.3
12	29.4	28.2	28.7	31.8	30.1	30.9	32.6	30.5	31.3	30.5	28.9	29.4
13	29.8	28.6	29.1	32.1	30.2	30.7	32.1	30.8	31.4	31.4	29.2	29.9
14	30.0	28.8	29.3	31.9	30.1	30.8	32.4	31.1	31.7	31.2	29.5	30.1
15	30.2	28.9	29.5	32.6	30.3	31.0	32.7	31.0	31.8	30.5	29.4	29.9
16	30.1	28.6	29.3	31.3	30.6	30.9	32.4	31.1	31.8	31.2	29.6	30.2
17	29.9	29.0	29.4	30.6	28.0	29.5	33.0	31.2	31.9	31.2	29.7	30.3
18	29.3	27.5	28.3	29.5	28.6	29.1	32.9	31.5	32.0	31.2	29.6	30.3
19	27.6	26.8	27.2	29.8	28.4	29.1	32.8	31.7	32.1	31.1	29.8	30.4
20	28.2	26.7	27.3	30.5	29.0	29.7	32.7	31.9	32.3	30.9	29.3	30.0
21	29.0	27.9	28.5	30.9	29.6	30.2	32.7	31.4	32.0	31.0	28.7	29.8
22	30.3	28.5	29.1	31.5	30.1	30.7	32.8	31.3	31.8	31.0	29.5	30.2
23	30.8	29.1	29.8	30.8	30.1	30.4	31.6	30.8	31.1	30.2	29.0	29.4
24	30.3	29.2	29.7	31.9	29.8	30.5	31.9	30.0	30.8	29.4	28.5	29.0
25	29.8	28.9	29.2	32.1	30.0	30.7	31.9	29.4	30.6	29.2	28.4	28.8
26	30.0	28.8	29.2	32.2	30.6	31.2	31.5	29.0	30.1	28.8	27.6	28.2
27	30.4	28.8	29.4	32.4	30.9	31.6	32.0	29.0	30.1	28.0	27.1	27.6
28	30.2	29.2	29.5	32.5	31.5	32.0	32.2	30.0	30.7	28.3	27.1	27.6
29	29.8	28.7	29.3	32.4	31.4	31.8	32.6	30.4	30.9	28.7	27.4	27.9
30	30.0	29.1	29.6	32.3	31.1	31.5	---	---	---	28.5	27.3	27.9
31	---	---	---	31.6	31.0	31.3	---	---	---	---	---	---
MONTH	30.8	26.4	28.5	32.6	28.0	30.6	33.0	29.0	31.0	31.4	26.5	29.2

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-STAGE RECORDS

PERIOD OF RECORD.--June 1993 to September 1997 (discontinued).

GAGE.--Water-stage recorder on inside and outside of gated structure. Datum of gage is an assumed elevation.

REMARKS.--Stage affected by wind and tide. Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum outside gage height, 2.27 ft, Apr. 5, 1997; minimum recorded outside, -1.33 ft, Jan. 8, 1996; maximum inside gage height, 2.58 ft, June 21, 1993; minimum recorded inside, -0.29 ft, Jan. 10., 1996.

EXTREMES FOR CURRENT YEAR.--Maximum outside gage height, 2.27 ft, Apr. 5; minimum outside, -0.61 ft, Jan. 17; maximum inside gage height, 1.69 ft, Apr. 28; minimum inside, 0.08 ft, Jan. 20.

OUTSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.28	.82	1.08	1.41	.99	1.21	1.72	.92	1.23	.86	.55	.68
2	1.31	.94	1.14	1.35	.37	.73	1.14	.73	.90	.82	.56	.69
3	1.31	.89	1.12	.71	.35	.54	1.14	.66	.84	1.12	.52	.83
4	1.36	1.11	1.26	.87	.50	.70	.98	.47	.65	1.39	.69	1.00
5	1.59	1.29	1.49	.93	.69	.76	1.04	.83	.91	1.31	.77	.99
6	1.54	1.43	1.48	1.24	.93	1.02	1.23	.60	.85	1.08	.54	.83
7	1.75	1.45	1.57	1.51	1.13	1.33	1.22	.64	.84	1.10	.46	.80
8	2.09	1.63	1.90	1.13	.41	.71	.80	.11	.46	1.32	.70	1.01
9	1.63	1.31	1.39	.94	.00	.41	.95	.28	.57	1.24	.54	.80
10	1.33	.79	1.12	.94	.34	.56	1.00	.41	.66	.79	.32	.53
11	1.03	.63	.79	.89	.14	.45	1.17	.48	.77	.76	.16	.38
12	1.09	.81	.97	.89	.25	.58	1.20	.61	.87	.64	-.07	.27
13	1.21	.77	.99	.90	.31	.61	1.12	.40	.76	.40	-.18	.11
14	1.40	.95	1.16	.94	.30	.65	1.00	.51	.76	.61	.02	.27
15	1.41	.93	1.19	1.24	.70	.94	1.06	.60	.83	1.17	.61	.89
16	1.44	1.00	1.24	1.72	1.24	1.45	1.19	.76	1.05	.96	-.07	.35
17	1.57	1.10	1.36	1.98	1.52	1.74	.86	.56	.65	.46	-.61	.00
18	1.57	.80	1.20	1.72	1.38	1.55	.82	.19	.46	.32	-.25	.07
19	1.14	.77	.97	1.56	1.30	1.41	.32	-.13	.08	.49	-.24	.10
20	1.34	.96	1.16	1.68	1.34	1.49	.60	-.13	.16	.62	-.24	.12
21	1.30	1.05	1.19	1.67	1.27	1.54	.96	.14	.48	.84	.07	.42
22	1.62	1.10	1.40	1.48	1.02	1.24	1.08	.46	.75	.89	.42	.66
23	1.10	.78	.92	1.62	1.10	1.34	1.17	.54	.85	1.04	.27	.60
24	1.26	.96	1.08	1.83	1.19	1.49	1.21	.43	.68	1.18	.81	1.01
25	1.49	.96	1.22	1.89	1.06	1.49	.85	.04	.38	1.13	.39	.72
26	1.64	1.29	1.48	1.06	.44	.69	1.21	.40	.77	1.13	.47	.77
27	1.61	1.20	1.39	.96	.31	.57	1.27	.80	1.02	1.23	.85	1.02
28	1.58	1.12	1.32	1.18	.36	.74	1.16	.69	.90	1.03	.45	.80
29	1.53	1.14	1.33	1.46	.71	1.05	1.06	.76	.91	.66	.35	.49
30	1.59	1.08	1.31	1.72	1.16	1.47	.97	.51	.71	.59	.37	.44
31	1.37	.87	1.13	---	---	---	.85	.44	.66	.64	.30	.48
MONTH	2.09	.63	1.24	1.98	.00	1.02	1.72	-.13	.72	1.39	-.61	.58

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

OUTSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.00	.30	.64	1.48	1.06	1.28	.97	.40	.70	1.07	.62	.78
2	.97	.44	.70	1.67	1.04	1.33	.98	.57	.77	1.27	.88	1.06
3	1.05	.52	.80	1.40	.85	1.09	1.11	.54	.81	1.22	.55	.95
4	1.21	.59	.88	1.18	.72	.94	1.68	.98	1.26	.59	.37	.49
5	1.15	.39	.72	1.13	.78	.94	2.27	1.68	1.99	.96	.41	.75
6	.97	.41	.68	.86	.20	.51	1.75	1.21	1.46	.84	.52	.71
7	1.03	.57	.82	1.02	.34	.65	1.25	.81	1.04	.94	.50	.73
8	.98	.01	.37	1.08	.55	.75	1.34	.79	1.11	1.17	.53	.89
9	.47	.01	.29	1.00	.57	.73	1.23	.91	1.07	1.03	.64	.83
10	.38	.02	.18	.88	.56	.75	1.26	.78	1.04	.82	.46	.63
11	.52	-.02	.22	.82	.54	.68	1.66	1.00	1.36	1.08	.42	.77
12	1.13	.32	.61	1.08	.56	.85	1.44	1.12	1.30	1.09	.61	.83
13	1.20	.64	1.01	1.60	1.08	1.38	1.22	.74	.95	.89	.64	.76
14	.94	.56	.68	1.24	.78	1.07	1.02	.65	.83	.84	.53	.70
15	.78	.20	.49	.94	.51	.74	.93	.57	.75	.64	.36	.50
16	.66	.22	.45	.91	.48	.71	.90	.59	.76	.55	.26	.41
17	.48	.06	.30	1.09	.54	.80	.78	.29	.54	.87	.51	.72
18	.66	.10	.36	1.14	.64	.89	.62	.18	.39	.92	.71	.77
19	.83	.24	.48	1.02	.76	.90	.68	.52	.61	1.18	.71	.99
20	1.18	.44	.77	.76	.40	.53	.78	.45	.59	1.11	.66	.96
21	1.52	1.00	1.21	.66	.28	.46	1.09	.60	.88	1.08	.57	.84
22	1.01	.36	.56	.77	.41	.55	1.21	.47	.90	.91	.57	.74
23	.80	.38	.55	.69	.24	.45	.81	.43	.61	1.04	.48	.80
24	.84	.46	.63	.73	.58	.65	1.02	.48	.76	1.43	.58	.93
25	.84	.60	.71	1.07	.73	.94	1.22	.74	1.01	1.33	.92	1.14
26	1.25	.80	1.09	.92	.66	.80	1.42	1.00	1.20	1.33	.97	1.15
27	1.17	.71	.87	.98	.56	.78	1.92	1.24	1.63	1.16	.84	1.01
28	1.45	.70	1.04	1.23	.77	1.03	1.65	1.03	1.39	1.09	.76	.91
29	---	---	---	1.05	.71	.90	1.03	.72	.83	1.25	.66	.94
30	---	---	---	.94	.60	.76	1.07	.53	.82	1.21	.98	1.11
31	---	---	---	.85	.21	.54	---	---	---	1.12	.69	1.00
MONTH	1.52	-.02	.65	1.67	.20	.82	2.27	.18	.98	1.43	.26	.83
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	.84	.59	.72	1.10	.54	.90	.82	.24	.59	.92	.51	.72
2	.95	.46	.74	1.01	.50	.79	.98	.24	.66	.94	.54	.76
3	.83	.34	.63	.72	.31	.58	1.09	.46	.77	.84	.51	.62
4	.96	.34	.66	.88	.26	.57	.96	.50	.74	.68	.48	.60
5	1.04	.46	.75	1.02	.35	.64	.65	.37	.55	.86	.56	.68
6	1.19	.53	.88	1.07	.46	.78	.71	.32	.49	1.27	.86	1.06
7	1.17	.69	.94	1.07	.52	.82	.66	.36	.52	1.35	1.01	1.19
8	1.14	.64	.90	.96	.59	.77	.80	.45	.63	1.35	1.05	1.20
9	1.18	.79	1.00	.88	.56	.72	.88	.48	.68	1.41	.97	1.21
10	1.33	.87	1.11	.82	.54	.69	.84	.43	.63	1.34	.74	1.12
11	1.60	1.25	1.45	.75	.47	.57	.74	.36	.55	1.18	.74	.99
12	1.54	1.25	1.37	.66	.42	.55	.84	.37	.62	1.12	.74	.94
13	1.47	1.22	1.36	.73	.36	.58	.84	.36	.62	1.18	.73	.98
14	1.38	1.11	1.29	.90	.43	.70	.94	.36	.66	1.16	.70	.97
15	1.17	.92	1.08	1.20	.63	.95	1.02	.38	.74	1.18	.72	.94
16	1.44	.93	1.22	1.27	.74	1.05	1.22	.46	.91	1.16	.80	.98
17	1.60	1.08	1.38	1.57	.78	1.28	1.21	.64	.95	1.10	.77	.97
18	1.61	1.10	1.39	1.10	.58	.92	1.16	.64	.88	1.12	.78	.98
19	1.38	.98	1.19	1.08	.52	.82	1.12	.60	.87	1.23	.87	1.06
20	1.32	.92	1.12	.93	.47	.71	.91	.64	.78	1.34	.96	1.16
21	1.44	.82	1.15	.90	.40	.66	.73	.46	.56	1.35	.86	1.12
22	1.36	.92	1.13	.77	.36	.57	.76	.38	.51	1.24	.80	1.04
23	1.10	.84	.97	.86	.35	.59	.80	.26	.63	1.34	.90	1.14
24	1.12	.63	.86	.64	.42	.55	.86	.42	.68	1.34	.99	1.20
25	1.00	.71	.87	.59	.40	.51	.88	.36	.65	1.21	.43	.91
26	.91	.74	.82	.58	.35	.49	.97	.56	.80	.83	.42	.65
27	.84	.66	.75	.72	.24	.52	1.12	.64	.91	.89	.47	.70
28	.88	.66	.75	.76	.30	.55	1.02	.46	.79	.89	.57	.76
29	1.12	.72	.93	.85	.28	.60	.92	.46	.73	.69	.43	.58
30	1.20	.76	.98	.81	.26	.55	.96	.46	.74	.55	.39	.48
31	---	---	---	.95	.22	.62	.94	.53	.76	---	---	---
MONTH	1.61	.34	1.01	1.57	.22	.70	1.22	.24	.70	1.41	.39	.92

MISSISSIPPI RIVER DELTA
07381329 MILL CREEK NEAR DULAC, LA--Continued

INSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	1.25	1.08	1.16	1.42	1.15	1.31	.73	.59	.65
2	---	---	---	1.22	.74	1.00	1.15	.96	1.03	.73	.63	.67
3	---	---	---	.74	.50	.60	1.05	.85	.96	.82	.64	.71
4	---	---	---	.74	.55	.65	.85	.66	.74	.99	.79	.85
5	---	---	---	.77	.62	.69	.87	.76	.84	1.02	.87	.95
6	---	---	---	1.00	.77	.89	.92	.74	.81	.96	.80	.87
7	---	---	---	1.32	1.00	1.17	1.01	.78	.90	.95	.76	.85
8	---	---	---	1.24	.82	1.02	.78	.55	.65	1.03	.83	.91
9	---	---	---	.82	.57	.66	.66	.49	.58	1.06	.75	.96
10	---	---	---	.75	.55	.66	.71	.55	.63	.75	.59	.66
11	---	---	---	.58	.42	.50	.77	.61	.69	.68	.45	.55
12	---	---	---	.65	.46	.55	.87	.73	.81	.48	.29	.38
13	---	---	---	.66	.50	.58	.88	.69	.79	.29	.16	.24
14	---	---	---	.69	.50	.59	.82	.65	.73	.27	.09	.14
15	---	---	---	.79	.61	.71	.84	.71	.77	.81	.27	.54
16	---	---	---	1.22	.79	1.02	1.07	.77	.94	.82	.47	.66
17	---	---	---	1.40	1.22	1.36	.92	.67	.76	.47	.24	.32
18	1.37	1.04	1.24	1.43	1.34	1.39	.75	.51	.64	.32	.14	.22
19	1.06	.88	1.00	1.39	1.33	1.37	.51	.27	.37	.22	.13	.16
20	1.16	.94	1.08	1.46	1.33	1.38	.29	.12	.20	.24	.08	.16
21	1.18	1.03	1.12	1.50	1.43	1.46	.50	.18	.30	.40	.16	.26
22	1.42	1.10	1.27	1.49	1.28	1.36	.73	.47	.57	.62	.40	.51
23	1.25	.96	1.04	1.38	1.23	1.31	.81	.63	.72	.65	.46	.55
24	1.10	.96	1.01	1.50	1.27	1.36	.88	.63	.79	.96	.54	.81
25	1.20	1.08	1.14	1.58	1.38	1.51	.63	.39	.49	1.00	.75	.86
26	1.36	1.16	1.30	1.38	1.07	1.23	.79	.53	.61	.80	.63	.72
27	1.42	1.24	1.33	1.07	.81	.92	.97	.79	.92	.92	.80	.88
28	1.41	1.21	1.31	.90	.73	.81	.99	.83	.91	1.04	.87	.96
29	1.37	1.21	1.29	1.01	.79	.90	.95	.84	.89	.87	.68	.75
30	1.39	1.18	1.29	1.40	1.01	1.20	.89	.72	.80	.68	.52	.59
31	1.28	1.03	1.16	---	---	---	.77	.65	.71	.57	.48	.51
MONTH	---	---	---	1.58	.42	1.00	1.42	.12	.74	1.06	.08	.61
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.67	.49	.57	1.24	1.06	1.13	.85	.64	.74	1.12	.88	.97
2	.78	.59	.68	1.37	1.12	1.21	.87	.71	.79	1.19	.94	1.05
3	.83	.62	.73	1.36	1.19	1.27	.91	.73	.82	1.24	.96	1.14
4	---	---	---	1.19	1.05	1.11	1.15	.91	1.01	.96	.60	.74
5	---	---	---	1.13	1.02	1.07	1.57	1.11	1.38	.92	.59	.78
6	---	---	---	1.12	.78	.92	1.60	1.44	1.53	.87	.73	.81
7	---	---	---	.84	.64	.72	1.44	1.23	1.36	.90	.68	.79
8	---	---	---	.90	.75	.82	1.28	1.16	1.22	1.03	.69	.86
9	---	---	---	.88	.72	.81	1.24	1.15	1.18	.99	.83	.91
10	---	---	---	.81	.71	.77	1.17	1.03	1.10	.89	.66	.75
11	---	---	---	.76	.69	.72	1.37	1.09	1.22	.96	.62	.76
12	---	---	---	.87	.69	.75	1.47	1.31	1.40	.97	.76	.85
13	1.11	.85	1.05	1.23	.87	1.14	1.44	1.21	1.32	.96	.76	.84
14	1.07	.93	.99	1.22	1.09	1.15	1.21	1.07	1.12	.83	.67	.76
15	.93	.72	.80	1.09	.91	.97	1.07	.92	.98	.74	.50	.60
16	.80	.67	.71	.91	.76	.83	.98	.87	.92	.50	.38	.44
17	.69	.49	.57	.91	.75	.82	.91	.69	.82	.80	.50	.66
18	.55	.40	.48	.95	.81	.87	.69	.53	.60	.81	.73	.75
19	.64	.46	.54	1.03	.92	.95	.74	.66	.69	1.02	.72	.89
20	.83	.57	.67	.93	.66	.78	.74	.59	.66	1.04	.86	.96
21	1.16	.83	1.08	.66	.56	.60	1.02	.71	.89	.97	.77	.87
22	1.13	.78	.95	.64	.56	.60	1.06	.87	.98	.89	.74	.81
23	.78	.64	.70	.56	.42	.49	1.00	.74	.82	.89	.65	.77
24	.79	.64	.72	.64	.56	.60	.95	.66	.78	1.07	.70	.86
25	.77	.65	.71	.87	.64	.79	1.13	.84	.95	1.26	1.05	1.17
26	1.10	.77	.91	.84	.79	.82	1.36	1.13	1.25	1.23	1.11	1.17
27	1.13	.91	1.04	.83	.69	.77	1.68	1.32	1.49	1.16	1.02	1.07
28	1.06	.83	.92	1.00	.81	.91	1.69	1.47	1.59	1.08	.99	1.04
29	---	---	---	.98	.90	.95	1.47	1.13	1.28	1.26	.88	1.01
30	---	---	---	.98	.81	.90	1.13	.96	1.04	1.26	1.14	1.20
31	---	---	---	.94	.69	.77	---	---	---	1.14	.98	1.10
MONTH	---	---	---	1.37	.42	.87	1.69	.53	1.06	1.26	.38	.88

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

INSIDE GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	.98	.73	.84	1.01	.80	.91	.69	.48	.58	.82	.68	.74
2	.88	.67	.77	.92	.72	.81	.75	.40	.59	.86	.64	.74
3	.77	.56	.67	.73	.52	.64	.86	.56	.71	.77	.54	.63
4	.76	.48	.62	.71	.41	.56	.84	.56	.72	.69	.52	.59
5	.84	.54	.69	.79	.47	.62	.71	.50	.59	.74	.56	.63
6	.92	.61	.77	.90	.56	.72	.62	.39	.50	1.18	.74	.96
7	.98	.74	.86	.93	.67	.80	.60	.40	.50	1.24	1.04	1.15
8	.95	.73	.83	.89	.73	.81	.76	.48	.61	1.22	1.06	1.14
9	1.00	.80	.90	.84	.65	.74	.76	.55	.65	1.26	1.07	1.17
10	1.13	.87	.97	.78	.62	.70	.76	.52	.65	1.23	.99	1.13
11	1.43	1.13	1.36	.72	.55	.62	.66	.44	.56	1.12	.90	1.03
12	1.38	1.29	1.34	.66	.53	.60	.71	.44	.59	1.04	.86	.95
13	1.35	1.26	1.30	.69	.50	.60	.72	.48	.61	1.06	.86	.96
14	1.30	1.18	1.27	.77	.51	.65	.78	.47	.64	1.04	.84	.95
15	1.18	.97	1.10	.96	.62	.83	.84	.51	.69	1.02	.84	.92
16	1.22	.96	1.10	1.08	.79	.95	.96	.59	.80	1.05	.87	.94
17	1.34	1.07	1.22	1.33	.89	1.13	1.03	.75	.89	1.03	.88	.93
18	1.44	1.22	1.35	1.21	.85	1.03	.98	.76	.86	1.03	.86	.95
19	1.33	1.20	1.26	.98	.74	.86	.96	.73	.84	1.08	.91	1.00
20	1.24	1.09	1.17	.87	.68	.77	.88	.74	.80	1.19	1.00	1.09
21	1.24	1.03	1.14	.83	.58	.70	.79	.52	.62	1.21	.97	1.10
22	1.22	1.05	1.14	.71	.52	.62	.60	.40	.47	1.14	.91	1.03
23	1.14	.98	1.04	.74	.48	.63	.72	.51	.62	1.18	.94	1.08
24	1.03	.80	.92	.67	.54	.58	.76	.54	.65	1.22	1.00	1.13
25	.97	.84	.91	.59	.51	.54	.77	.50	.64	1.12	.75	1.01
26	.92	.79	.85	.59	.44	.53	.82	.50	.71	.75	.54	.67
27	.79	.71	.75	.67	.37	.55	.96	.67	.84	.74	.51	.63
28	.87	.70	.75	.70	.37	.57	.90	.65	.80	.77	.58	.68
29	1.00	.72	.89	.74	.44	.59	.83	.61	.73	.62	.46	.54
30	1.06	.84	.96	.65	.37	.52	.83	.59	.72	.46	.37	.42
31	---	---	---	.74	.35	.57	.95	.60	.76	---	---	---
MONTH	1.44	.48	.99	1.33	.35	.70	1.03	.39	.68	1.26	.37	.90

MISSISSIPPI RIVER DELTA
07381329 MILL CREEK NEAR DULAC, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1993 to September 1997, discontinued.

WATER TEMPERATURES: June 1993 to September 1997, discontinued.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum outside, 39,500 microsiemens, Nov. 17, 1996; minimum outside, 106 microsiemens, Apr. 7, 1994; maximum inside, 43,100 microsiemens, Nov. 19, 1996; minimum inside, 134 microsiemens, on July 19, 1993.

WATER TEMPERATURES: Maximum outside, 35.2 °C, July 23, 1996; minimum outside, 0.1 °C, Feb. 4, 1996; maximum inside, 35.6 °C, June 26, 1996; minimum inside, -0.3 °C, Feb. 4, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum outside, 39,500 microsiemens, Nov. 17, minimum outside; 236 microsiemens, July 16, 17; maximum inside, 43,100 microsiemens, Nov. 19; minimum inside, 215 microsiemens, May 19.

WATER TEMPERATURES: Maximum outside, 35.0 °C, July 11; minimum outside, 6.1 °C, Jan. 19, maximum inside, 35.5 °C, July 3, 26; minimum inside, 2.1 °C, Dec. 19.

OUTSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10600	1580	6150	9730	3470	6360	23900	10100	15700	2070	1740	1840
2	9930	4860	7160	15600	6230	12200	12000	3790	8760	1910	1690	1770
3	7860	5970	6730	13900	5070	7730	9060	2630	5640	1940	1770	1880
4	16400	5880	11400	7070	2710	4650	9400	3500	7930	1950	1800	1870
5	31200	16400	25800	5360	3050	3730	3970	2000	2690	1870	1690	1810
6	31200	25800	27700	12200	3100	7300	4380	2660	3300	1830	1740	1810
7	27600	26100	26800	21700	12200	18600	5000	2490	3520	1770	1680	1720
8	30600	27400	29500	16100	8270	11500	5630	3250	4990	1970	1690	1760
9	27800	20600	22900	8480	3190	6690	5210	2230	2850	2300	1700	2010
10	21700	19600	20900	4980	3100	3810	4470	2080	2510	2340	2230	2280
11	19600	5530	15300	5090	2990	4020	2680	2210	2330	2310	2200	2240
12	10800	4840	7390	3800	2890	3440	2540	2290	2380	2350	2310	2330
13	9960	3940	6310	3580	2600	2900	3360	2250	2750	2450	2350	2410
14	15800	5550	12000	3340	2640	2940	3590	3050	3300	2480	2240	2430
15	19000	9420	13700	8280	2660	5880	3290	2590	3060	14200	2210	4830
16	15500	10200	12200	37900	8280	30400	2590	2340	2420	14200	4440	7200
17	20000	9980	14500	39500	36500	37400	3880	2370	3120	5000	1640	4100
18	15500	10900	14100	36500	27000	33700	4180	3190	3550	1660	1390	1510
19	14000	8060	10500	33100	25500	29500	4830	3530	4470	1440	1150	1280
20	15500	4970	10700	25500	15600	21000	4430	2310	3200	1610	1010	1260
21	10500	7060	7870	15900	14100	15300	2660	2090	2370	1560	1080	1300
22	25500	7340	15200	16800	7840	14600	2280	1980	2070	1130	1020	1060
23	13800	8390	11100	9970	4960	7530	2330	1950	2070	1110	911	1010
24	10000	5790	7540	11000	4990	8460	2200	1890	1980	947	822	901
25	20800	10000	16100	15900	6330	11600	2590	2200	2390	1270	730	834
26	30100	16000	25200	15100	12000	13700	2570	1570	1950	842	739	795
27	28500	24000	26600	14400	5050	8890	2260	1560	1920	1440	765	1010
28	24800	16500	22500	10100	4080	6070	2000	1640	1780	1670	1100	1370
29	16500	9330	14300	6290	3220	3750	1790	1450	1580	2270	1460	2070
30	14500	8620	11600	25200	3220	15600	1940	1500	1670	1460	964	1080
31	14600	6310	10500	---	---	---	2060	1620	1860	1260	1050	1150
MONTH	31200	1580	15200	39500	2600	12000	23900	1450	3550	14200	730	1970

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

OUTSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1270	1100	1170	1060	613	875	578	533	555	4350	1090	2950
2	1110	1000	1040	1090	595	687	582	453	531	2950	439	1330
3	1020	608	795	781	620	705	465	370	430	2770	402	1400
4	802	685	756	931	718	767	378	299	357	3650	2770	3470
5	851	614	715	876	759	796	27500	357	18900	3480	446	1560
6	921	814	856	1000	876	955	16200	4420	8180	2150	564	1390
7	---	---	---	1070	956	1000	9940	3880	7050	2670	468	1440
8	898	761	817	1080	714	910	5900	1300	3360	2110	467	1140
9	---	---	---	1160	656	779	3380	1350	1940	1450	637	1050
10	1390	1160	1200	882	629	689	3080	1300	1930	2300	583	1480
11	1590	1230	1460	822	595	681	1610	750	1210	2170	432	1090
12	3600	1190	1510	1000	563	739	2060	733	1150	1150	409	730
13	8940	3600	6830	595	542	576	5310	2060	3950	1350	476	921
14	8630	2560	5290	639	544	560	4220	1080	3050	1600	701	1100
15	3950	1380	2810	776	639	691	2790	828	1880	2040	1160	1690
16	2020	819	1230	713	685	696	2460	709	1530	2610	1480	2130
17	2110	843	1310	724	686	710	2140	1790	1970	1500	402	766
18	1500	1100	1250	686	416	545	2190	1550	1850	686	347	459
19	1380	1080	1230	658	416	476	1560	725	1150	601	294	397
20	1080	521	841	653	468	544	2620	1020	1570	569	342	448
21	1440	668	1030	879	653	780	1450	829	1030	797	478	649
22	1520	1030	1290	952	812	893	2070	568	1180	951	609	787
23	2140	1520	1880	982	793	893	2070	1270	1580	1310	451	846
24	2290	1980	2130	793	523	649	2350	449	1320	1050	372	712
25	2230	953	1780	552	448	504	1700	284	731	---	---	---
26	988	775	872	543	324	430	3680	1540	2300	---	---	---
27	2670	954	2150	586	324	433	18800	2690	8150	---	---	---
28	1730	1060	1200	445	361	394	17500	7160	9690	---	---	---
29	---	---	---	469	361	386	8400	5970	6930	1310	614	1050
30	---	---	---	463	386	411	6170	1030	4110	1120	752	1000
31	---	---	---	552	463	515	---	---	---	1300	1120	1230
MONTH	8940	521	1670	1160	324	667	27500	284	3320	4350	294	1230

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	1400	1300	1350	1110	409	804	955	396	714	4070	1380	2660
2	1450	654	1160	1330	520	981	1170	428	724	3300	1440	2300
3	1530	698	1240	1510	1090	1330	1600	493	933	3970	1970	3000
4	1620	417	1040	1720	524	1150	1590	695	971	3640	1970	2750
5	1250	365	733	1410	582	947	996	722	882	6590	1950	2510
6	968	316	596	1150	334	668	1230	617	938	25500	6590	19100
7	669	312	455	818	415	576	1210	538	871	26000	23300	25100
8	733	330	496	811	530	675	1030	604	766	26200	21800	24400
9	524	303	395	1250	596	883	962	564	779	24200	18400	22900
10	468	324	394	1170	634	846	1120	731	870	22900	17000	20800
11	892	379	583	1330	878	1100	1330	787	1110	18900	14000	17500
12	931	622	733	1450	1070	1290	1410	687	1030	17600	15000	16100
13	690	603	650	1480	706	1090	1300	770	1020	16400	12500	14300
14	722	572	666	1390	439	860	1380	715	1080	15400	9910	12000
15	963	722	836	1010	270	547	1400	766	1040	13100	5790	9170
16	1050	419	730	567	236	379	4320	756	1730	10100	4200	6950
17	641	342	459	8660	236	2220	3670	1300	2320	8620	4110	6480
18	450	334	392	6570	1080	2470	3090	1040	1630	7960	3500	5330
19	745	450	588	1130	416	802	1420	872	1140	8270	3500	6560
20	856	581	734	1180	667	933	1230	974	1090	20900	5990	16000
21	956	369	678	1260	525	875	1730	1030	1480	22900	14600	17800
22	839	290	578	1230	611	895	1990	1390	1780	15500	13900	14500
23	1050	518	827	1280	740	983	2270	1240	1880	19000	10900	14600
24	1240	550	973	1410	976	1160	4730	1950	3250	14100	11500	12500
25	1220	695	1010	1310	880	1080	5890	3400	4330	12200	8540	10400
26	1350	987	1180	1580	1200	1300	12000	3040	7180	11400	3780	7660
27	1420	951	1210	1580	816	1130	16900	7890	11700	10200	3630	5800
28	1410	825	1210	1450	408	891	9660	6220	8070	6950	3260	4980
29	1400	335	852	1120	347	759	7680	3740	4830	8100	6070	6950
30	954	341	681	1160	426	726	5470	1930	3460	7240	5300	6260
31	---	---	---	1090	372	695	4240	1520	2810	---	---	---
MONTH	1620	290	781	8660	236	1000	16900	396	2340	26200	1380	11200

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

INSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6720	2070	4280	16100	8870	12800	21700	19200	19900	6400	5920	6170
2	7110	4540	5390	18100	11300	15700	19600	19200	19400	6770	6330	6470
3	6800	5630	6230	18100	14800	17600	19700	19200	19400	6940	6770	6850
4	12600	5900	8890	15500	8400	12200	19900	19300	19600	6770	5750	6520
5	25200	12600	19700	14900	8640	13100	19500	18800	19200	5750	4790	5200
6	25400	23200	24200	12800	7360	9340	18900	18400	18600	5490	4760	5110
7	24000	22100	23200	21500	12800	17500	18700	16200	17100	5510	5310	5420
8	29000	21700	26300	17100	16100	16400	17400	16900	17200	5310	4600	4910
9	28600	23600	25500	16400	15500	16000	17300	16900	17100	4600	4400	4440
10	23600	20000	21700	15500	14100	15000	17100	16100	16600	4700	4350	4460
11	20000	16700	18800	14200	13400	13800	16500	15700	16100	4780	4640	4720
12	16700	14800	15500	13900	11900	13000	16000	13800	15000	5390	4780	5060
13	14800	8460	12200	13500	11700	12800	13800	12000	13000	5820	5390	5620
14	12900	8260	11300	13200	11000	12200	12600	12000	12300	5960	5750	5850
15	15000	10900	13300	12600	9620	10700	12600	11800	12200	5780	5260	5490
16	13400	11300	12600	29200	9810	22400	12200	9870	11200	5750	4610	4960
17	16500	11400	14200	36800	29200	33700	10100	9310	9620	4930	4720	4800
18	14700	12700	14100	36800	35400	36200	10500	9990	10300	5200	4930	5010
19	14600	12500	13500	43100	36600	39400	12500	10500	11000	5320	5180	5240
20	12900	7930	10800	43100	40000	41100	12600	11700	12300	5320	5130	5230
21	12200	9020	10200	40000	35800	38700	11900	11500	11600	5240	5050	5140
22	18300	9520	12700	36200	32400	33700	11500	10300	11100	5060	4300	4770
23	14100	13200	13500	35600	33300	34500	10300	8310	9290	4300	3550	3840
24	13200	9550	11500	34100	27200	32600	8310	6260	6990	3680	2610	2980
25	15000	9590	13400	27200	20700	23700	8080	6700	7250	2610	1910	2080
26	26300	15000	21600	27000	24000	25300	7920	7100	7470	2540	2160	2350
27	26900	23600	25400	28200	26400	27300	7100	5940	6170	2470	2090	2200
28	25100	21000	23700	26500	23700	25100	6000	5170	5410	2250	2140	2190
29	22100	17200	20100	26500	23900	25900	5480	5230	5340	2250	2160	2210
30	18500	14000	16800	25500	19300	21800	5500	5280	5370	2420	2230	2270
31	18300	15000	17000	---	---	---	5940	5420	5570	2920	2420	2620
MONTH	29000	2070	15700	43100	7360	22300	21700	5170	12500	6940	1910	4520

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	3250	2920	3050	2300	1060	1690	---	---	---	7430	1990	3900
2	3170	2870	3060	1440	765	1100	---	---	---	4180	432	1810
3	3290	2900	3070	1100	761	909	---	---	---	3140	358	1830
4	2980	2640	2840	1390	948	1180	---	---	---	3720	3020	3530
5	2640	2210	2410	1420	1130	1290	---	---	---	3650	507	1700
6	2720	2540	2640	1520	1420	1480	---	---	---	2860	805	1850
7	---	---	---	1950	1510	1710	---	---	---	3300	617	1790
8	2870	2420	2710	2170	1800	1940	---	---	---	2900	405	1370
9	---	---	---	2160	1910	2040	---	---	---	2160	693	1390
10	3650	3170	3380	2230	2040	2160	---	---	---	2690	642	1720
11	3870	3570	3710	---	---	---	---	---	---	2710	369	1350
12	3870	2700	3390	---	---	---	---	---	---	1380	355	823
13	6890	2710	5690	---	---	---	---	---	---	2060	399	1340
14	6620	3180	3790	---	---	---	---	---	---	1960	909	1430
15	3580	2770	3070	---	---	---	---	---	---	2810	1770	2310
16	3580	2910	3120	---	---	---	---	---	---	2930	1570	2420
17	3280	2850	3080	---	---	---	---	---	---	1570	355	737
18	3210	2790	2990	---	---	---	---	---	---	1010	295	641
19	3070	2520	2880	---	---	---	---	---	---	1030	215	442
20	3130	2120	2520	---	---	---	---	---	---	847	274	501
21	3880	1230	2650	---	---	---	---	---	---	880	432	670
22	3850	3000	3240	---	---	---	---	---	---	1200	613	893
23	3040	2670	2830	---	---	---	---	---	---	1650	495	960
24	3210	2700	3040	---	---	---	---	---	---	1420	280	730
25	2810	2510	2700	---	---	---	---	---	---	---	---	---
26	2970	2190	2720	---	---	---	---	---	---	---	---	---
27	2410	2190	2320	---	---	---	---	---	---	---	---	---
28	2530	1690	2270	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	1350	638	1090
30	---	---	---	---	---	---	---	---	---	1130	929	1050
31	---	---	---	---	---	---	---	---	---	1340	1130	1260
MONTH	6890	1230	3050	---	---	---	---	---	---	7430	215	1460

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

INSIDE SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1450	1310	1370	1230	553	883	1070	655	864	4670	1730	3440
2	1580	729	1250	1410	672	1060	1260	649	891	4410	1890	3040
3	1740	745	1450	1700	1140	1470	1010	684	854	4490	2270	3540
4	1870	471	1260	1780	630	1220	1100	858	928	4510	2310	3480
5	1660	362	862	1650	685	1070	1160	913	1050	4670	2260	2680
6	1270	274	706	1420	429	793	1410	762	1070	21300	4670	15600
7	818	266	522	937	468	626	1360	695	1010	23800	15100	19800
8	890	302	547	970	672	770	1200	674	885	23400	18100	21000
9	658	283	412	1260	719	957	1230	657	895	22400	19600	21200
10	589	306	406	1170	766	940	1540	813	1050	21700	17900	20100
11	852	346	594	1440	921	1240	1760	972	1330	19000	16000	17700
12	764	616	667	1640	1250	1450	1760	838	1160	17000	15300	16000
13	715	609	672	1560	926	1200	1630	891	1170	16200	13400	14800
14	800	644	713	1520	556	948	1670	844	1200	15700	10800	13200
15	1060	800	916	1050	381	608	1610	803	1090	14400	6960	11700
16	1180	404	797	629	339	469	2360	780	1340	13200	5150	10200
17	719	406	507	3030	348	910	2440	1290	1640	11400	5100	8970
18	490	354	424	1430	766	980	1710	1160	1400	12000	4250	9140
19	759	482	601	1190	658	868	1450	924	1190	9440	4300	7080
20	826	615	730	1290	824	1080	1410	1030	1200	17400	6080	12200
21	921	380	679	1410	716	1040	1810	1260	1550	19800	13100	15000
22	920	373	599	1480	837	1130	2050	1380	1870	14200	13200	13700
23	1090	498	832	1560	1030	1260	1980	1260	1660	16100	10700	13100
24	1250	567	978	1730	1270	1450	3200	1890	2410	13300	11300	12400
25	1250	704	1080	1780	1190	1500	4570	2830	3580	13100	11900	12300
26	1340	1090	1230	1820	1370	1550	9480	3160	5300	12700	11800	12300
27	1390	985	1230	1660	1070	1280	14400	5460	9090	13000	5570	8680
28	1420	973	1250	1460	586	941	8280	6390	7330	11200	5740	8420
29	1370	408	824	1050	641	872	6390	4180	5130	10700	8200	9890
30	891	527	726	1230	609	869	5790	2640	4130	11100	6520	9820
31	---	---	---	1260	593	835	4920	2150	3550	---	---	---
MONTH	1870	266	828	3030	339	1040	14400	649	2190	23800	1730	11700

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.0	23.6	24.9	26.3	23.8	25.1	17.9	15.1	16.8	18.3	16.4	17.2
2	27.0	24.6	25.7	25.5	19.2	22.4	16.3	14.0	15.1	19.9	17.2	18.4
3	26.8	25.0	25.8	20.2	18.0	19.3	15.1	13.5	14.5	20.6	19.0	19.8
4	25.6	24.7	25.1	20.2	18.8	20.0	15.5	14.1	14.8	20.7	19.7	20.3
5	25.0	22.9	24.1	23.4	19.7	21.2	16.6	14.1	15.3	20.6	20.0	20.4
6	23.0	21.4	22.0	21.8	20.0	20.5	17.9	15.1	16.6	20.3	17.9	19.2
7	21.7	20.5	21.1	22.9	20.3	21.5	18.8	17.0	17.8	17.9	14.5	16.1
8	22.3	20.6	21.3	21.1	18.5	19.9	17.6	14.6	16.6	14.5	13.8	14.2
9	24.3	21.5	22.8	19.0	16.4	17.8	16.1	13.5	14.7	13.8	12.5	13.1
10	24.8	22.1	23.5	19.0	17.2	18.1	16.5	13.6	15.1	12.6	11.8	12.3
11	23.9	19.8	21.9	19.1	17.0	17.9	17.6	15.4	16.5	12.1	10.3	11.0
12	24.1	21.0	22.3	19.1	17.5	18.2	19.0	16.9	18.1	10.3	8.5	9.3
13	24.7	21.5	22.8	18.8	17.1	17.9	18.8	17.0	18.1	8.5	7.0	7.7
14	24.9	22.0	23.2	19.0	17.5	18.3	19.0	18.0	18.5	7.8	6.4	7.1
15	25.1	22.3	23.4	19.3	17.9	18.7	19.0	17.7	18.2	10.8	7.6	8.6
16	25.9	22.7	24.0	19.1	18.8	19.0	18.0	15.9	17.3	11.0	8.1	9.2
17	26.5	23.5	24.6	20.9	19.0	19.9	15.9	13.5	14.8	9.0	6.9	7.7
18	25.4	22.6	24.4	21.7	20.1	20.7	13.9	11.1	12.8	7.8	6.2	7.1
19	22.6	20.6	21.5	22.5	20.9	21.6	11.1	8.6	9.9	9.6	6.1	8.0
20	23.0	21.3	22.1	22.5	20.5	21.3	9.3	7.4	8.6	12.5	7.3	9.4
21	24.0	21.7	22.6	22.8	20.5	21.7	11.3	8.2	9.8	13.3	9.8	11.4
22	22.9	20.9	22.4	22.7	18.8	21.4	13.4	10.9	12.1	15.3	13.0	14.2
23	21.7	17.9	19.9	20.1	18.5	19.2	15.1	12.0	13.5	16.9	14.0	15.4
24	22.0	19.4	20.6	21.1	19.6	20.1	15.1	13.3	14.1	17.0	15.5	16.5
25	21.6	20.5	20.9	20.4	16.4	18.3	13.3	11.6	12.2	17.7	15.4	16.1
26	24.1	20.8	22.1	16.7	13.8	15.5	13.6	10.8	12.1	15.7	14.5	15.1
27	25.2	22.4	23.6	13.8	12.4	12.8	14.2	12.2	13.2	18.4	14.9	16.7
28	26.6	23.3	24.8	13.8	12.5	13.1	16.9	13.6	14.9	18.2	14.5	16.1
29	25.8	22.9	24.3	15.9	13.4	14.3	15.8	13.6	14.6	14.5	12.9	13.6
30	26.3	23.5	25.0	17.7	14.6	16.1	17.9	13.8	15.7	14.0	12.4	13.0
31	26.9	23.7	25.3	---	---	---	17.7	15.4	16.6	15.1	11.9	13.5
MONTH	27.0	17.9	23.2	26.3	12.4	19.1	19.0	7.4	14.8	20.7	6.1	13.5

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

OUTSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	21.3	19.8	20.4	20.3	19.5	19.9	28.3	21.6	24.4
2	18.0	15.1	16.4	21.7	20.0	21.0	20.2	18.8	19.4	27.0	23.2	24.5
3	17.8	15.7	16.7	23.0	18.7	20.5	19.6	18.9	19.2	27.8	23.5	25.2
4	18.4	17.2	17.7	22.1	20.0	20.9	20.7	18.9	19.4	26.3	20.6	23.4
5	17.5	16.1	16.7	23.9	21.1	22.5	21.4	19.4	20.6	25.3	23.0	24.2
6	16.5	15.0	15.5	22.5	19.2	20.5	24.0	20.3	21.9	26.8	23.2	24.7
7	---	---	---	19.6	18.0	18.8	24.7	21.8	23.0	26.9	24.4	25.5
8	15.0	13.5	14.2	21.7	18.2	19.5	22.2	20.0	20.7	26.0	24.9	25.4
9	---	---	---	22.6	19.6	20.8	21.8	19.5	20.3	27.0	24.8	25.9
10	13.0	11.6	12.1	24.0	20.7	22.1	22.2	20.1	21.0	26.5	22.8	24.2
11	---	---	---	23.4	21.5	22.3	21.4	20.1	20.7	23.8	20.6	22.5
12	12.4	11.3	11.8	22.2	20.6	21.5	20.8	20.0	20.3	25.2	21.3	22.8
13	13.7	11.1	12.2	21.2	20.4	20.8	20.4	17.7	19.0	26.7	22.0	23.9
14	12.4	10.6	11.7	21.6	20.3	20.9	17.9	16.3	17.0	26.5	23.3	24.8
15	12.1	10.1	10.8	21.0	18.7	19.7	19.2	15.9	16.8	29.7	24.7	26.9
16	12.7	9.5	10.8	18.7	17.5	18.0	22.4	16.5	18.6	27.6	25.6	26.7
17	14.6	10.6	12.3	17.7	17.3	17.4	21.1	19.1	20.1	26.6	24.7	25.7
18	15.2	12.7	14.0	21.4	17.4	19.1	21.8	17.9	19.6	27.8	24.9	26.2
19	16.6	14.6	15.4	21.0	19.0	20.0	22.2	18.4	20.2	27.1	25.3	26.2
20	18.5	15.6	16.9	19.1	17.5	18.1	23.3	20.0	21.4	28.8	25.9	27.1
21	19.9	17.5	18.7	22.4	17.0	19.2	23.4	20.8	22.0	28.4	27.3	28.0
22	18.8	17.5	18.0	23.6	18.7	21.2	23.8	22.9	23.3	28.0	26.7	27.4
23	17.5	15.3	16.4	22.1	20.3	21.1	23.9	19.9	22.1	28.4	26.8	27.6
24	15.3	14.5	14.9	21.0	19.2	20.1	22.4	20.9	21.7	27.7	26.3	26.9
25	15.0	14.4	14.6	22.1	19.8	21.0	21.3	20.1	20.6	---	---	---
26	18.8	15.0	16.7	21.9	20.3	21.1	20.5	18.5	19.5	---	---	---
27	18.8	16.8	17.4	22.4	20.2	21.2	19.9	19.5	19.8	---	---	---
28	20.4	17.3	18.9	23.4	21.8	22.6	19.7	18.8	19.3	---	---	---
29	---	---	---	26.0	22.7	24.4	25.5	17.8	21.1	29.2	25.0	27.0
30	---	---	---	25.1	23.5	24.3	24.9	21.5	22.7	27.0	24.2	25.6
31	---	---	---	23.5	20.3	21.2	---	---	---	28.7	25.6	27.1
MONTH	20.4	9.5	15.0	26.0	17.0	20.7	25.5	15.9	20.4	29.7	20.6	25.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.5	23.8	26.4	33.0	29.1	30.9	30.8	29.0	29.9	32.1	28.6	30.6
2	30.0	26.4	28.0	33.7	30.3	31.7	30.6	27.6	29.2	32.1	29.9	31.2
3	29.7	26.4	28.0	34.9	30.2	32.5	31.3	29.3	30.3	31.8	28.6	30.3
4	29.2	27.1	28.1	33.6	31.2	32.4	31.6	30.2	30.8	31.3	29.0	30.2
5	29.0	26.5	27.7	33.0	30.0	31.9	32.8	29.3	30.9	30.7	28.9	29.8
6	29.2	27.2	28.0	32.1	28.1	30.1	32.9	30.4	31.4	30.2	28.4	29.3
7	28.1	26.7	27.5	31.8	28.6	30.2	32.9	29.3	30.7	29.3	27.0	28.1
8	29.2	26.3	27.7	30.9	29.2	30.0	31.3	29.8	30.4	30.0	27.4	28.5
9	29.4	26.6	28.0	29.9	28.2	29.2	32.6	29.2	30.8	30.7	27.9	29.2
10	29.1	26.8	27.9	32.9	28.0	30.0	32.2	30.7	31.5	31.6	28.7	30.0
11	28.7	27.1	28.0	35.0	30.0	31.8	33.2	30.7	31.9	30.8	28.7	29.7
12	30.9	27.8	29.1	33.2	31.0	31.9	33.5	30.7	32.3	30.7	28.3	29.6
13	31.5	28.6	30.0	32.9	29.8	30.9	34.5	31.1	32.9	31.9	28.7	30.2
14	32.4	28.7	30.4	32.0	28.6	30.3	33.8	32.0	32.8	31.4	29.7	30.6
15	33.3	29.3	31.4	32.7	30.2	31.2	33.7	31.3	32.3	32.0	29.5	30.6
16	32.4	30.3	31.0	31.7	30.6	31.1	32.8	31.4	32.1	32.2	29.2	30.5
17	30.8	28.8	29.8	30.6	27.5	29.4	32.9	30.9	32.0	32.8	29.1	30.7
18	28.8	27.1	27.9	28.2	25.6	26.9	33.5	31.3	32.2	32.1	29.3	30.5
19	28.3	25.9	27.0	31.3	27.1	29.0	33.9	31.2	32.3	31.9	30.0	30.6
20	29.7	27.1	28.4	32.2	29.0	30.6	33.5	30.7	32.1	31.5	29.5	30.3
21	30.1	28.5	29.3	32.0	29.3	30.7	33.8	29.2	31.4	32.0	29.2	30.4
22	30.3	28.5	29.4	32.3	29.6	31.0	32.9	30.1	31.6	31.8	29.9	30.8
23	31.2	29.0	30.1	31.0	29.5	30.2	31.5	30.0	30.5	31.0	28.6	29.7
24	31.0	28.9	29.8	33.1	28.5	30.5	32.1	29.4	30.5	29.4	28.2	28.8
25	30.0	27.9	29.0	34.9	29.9	32.1	32.1	29.7	30.7	28.2	25.8	27.1
26	29.9	28.0	29.0	34.7	31.7	33.0	31.3	30.0	30.5	28.3	24.4	26.6
27	31.0	28.5	29.8	33.6	31.9	32.9	31.9	29.4	30.4	28.1	25.5	27.1
28	31.5	29.3	30.2	34.4	31.6	32.8	32.6	30.0	31.1	29.5	26.0	27.8
29	30.8	29.3	30.1	33.2	30.9	32.2	32.4	30.1	31.2	29.8	26.3	28.0
30	30.7	29.8	30.2	32.7	29.8	31.1	32.6	30.3	31.4	30.2	26.5	28.3
31	---	---	---	32.7	30.1	31.0	32.8	30.7	31.5	---	---	---
MONTH	33.3	23.8	28.9	35.0	25.6	31.0	34.5	27.6	31.3	32.8	24.4	29.5

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.8	23.9	25.2	26.8	23.8	25.3	18.7	14.1	16.9	21.2	20.2	20.7
2	27.7	24.7	26.0	25.4	17.5	21.5	14.2	11.3	13.0	21.5	19.5	20.4
3	26.5	24.9	25.7	18.6	14.2	16.5	15.9	13.2	14.5	21.7	20.3	21.0
4	25.6	24.5	25.0	19.1	16.4	18.0	15.4	13.4	14.5	21.9	20.3	21.2
5	24.7	22.3	23.6	21.5	18.0	19.3	16.7	13.7	14.8	23.2	21.3	21.9
6	22.3	20.9	21.4	23.0	20.6	21.4	18.7	15.8	17.1	21.3	15.1	18.3
7	21.7	19.7	20.8	23.2	21.0	22.0	21.0	17.9	19.4	15.1	10.7	12.3
8	22.9	20.2	21.5	21.0	15.8	18.6	17.9	13.4	15.7	12.2	10.1	11.0
9	24.7	21.3	23.1	17.5	12.0	15.1	16.9	13.4	15.2	11.9	8.7	10.5
10	25.2	21.8	23.4	19.6	15.4	17.3	19.3	14.6	16.7	11.8	7.2	9.2
11	23.5	19.0	21.5	21.1	15.6	18.3	20.6	17.1	18.5	10.5	5.7	8.2
12	24.2	20.2	22.3	21.2	17.1	19.0	21.0	18.6	19.5	7.7	4.9	5.8
13	25.3	21.3	23.0	20.6	17.0	18.5	22.4	20.3	21.2	5.2	3.8	4.5
14	25.8	21.5	23.3	21.7	17.3	19.4	21.8	19.3	20.6	10.8	2.2	6.3
15	25.7	21.8	23.4	21.0	17.2	19.2	20.1	17.6	19.3	8.8	7.3	8.0
16	26.1	22.6	24.0	19.0	18.5	18.8	19.9	14.4	18.2	12.1	7.6	9.8
17	26.4	23.5	24.7	21.2	18.8	19.9	14.5	11.5	13.0	8.0	2.4	5.9
18	25.1	21.4	24.2	21.4	19.9	20.7	13.8	5.3	9.8	9.7	4.1	7.1
19	21.5	19.0	20.2	22.2	21.4	21.8	7.0	2.1	4.5	11.3	6.1	8.8
20	23.0	20.6	21.8	23.4	21.9	22.5	9.6	6.0	7.5	12.9	9.7	10.9
21	23.3	21.5	22.3	24.3	22.8	23.2	11.0	5.0	8.3	15.9	10.8	13.1
22	23.1	20.6	22.3	24.3	20.5	21.6	13.6	10.1	11.6	18.4	13.3	15.5
23	21.4	16.9	19.3	21.3	20.1	20.7	16.0	13.2	14.1	19.8	17.2	18.1
24	21.4	18.5	20.0	22.3	20.5	21.1	16.7	12.6	15.7	19.0	17.0	18.1
25	21.7	20.3	20.9	21.2	14.1	17.8	12.6	7.3	10.2	19.2	16.0	17.9
26	24.5	21.2	22.4	14.1	11.6	12.7	13.5	9.2	11.1	18.0	12.6	15.5
27	27.0	22.6	24.5	12.1	10.4	11.2	14.8	13.3	14.3	20.5	16.6	18.4
28	27.3	23.6	25.1	15.7	10.8	13.0	19.0	14.8	16.8	19.6	12.3	16.9
29	26.8	23.3	25.0	16.1	13.2	14.0	19.2	17.6	18.5	12.3	9.9	11.0
30	27.0	23.7	25.5	18.9	16.1	17.1	21.2	18.0	19.5	13.0	10.0	11.4
31	27.6	24.7	26.0	---	---	---	21.5	19.9	20.7	14.9	10.8	12.4
MONTH	27.7	16.9	23.1	26.8	10.4	18.9	22.4	2.1	15.2	23.2	2.2	13.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	22.1	20.5	21.4	---	---	---	29.8	21.8	24.7
2	19.2	16.3	17.5	22.4	20.3	21.8	---	---	---	26.7	23.5	24.3
3	20.9	17.9	19.0	21.8	17.8	19.9	---	---	---	29.0	23.2	25.3
4	19.5	18.6	19.0	21.6	18.6	20.1	---	---	---	27.2	19.3	23.3
5	19.9	16.3	18.0	24.7	20.7	22.5	---	---	---	25.2	22.7	23.9
6	16.5	11.9	14.2	22.5	15.7	18.6	---	---	---	26.3	22.5	24.4
7	---	---	---	20.3	13.2	17.0	---	---	---	26.7	24.0	25.4
8	14.6	10.8	12.0	23.0	16.7	19.7	---	---	---	25.9	24.3	25.2
9	---	---	---	23.4	19.3	21.2	---	---	---	27.8	24.5	26.0
10	15.1	8.3	11.2	22.6	21.3	22.1	---	---	---	26.7	21.8	23.4
11	---	---	---	23.3	21.9	22.6	---	---	---	23.4	19.0	21.7
12	11.2	9.6	10.5	---	---	---	---	---	---	24.4	20.7	22.3
13	12.1	11.1	11.4	---	---	---	---	---	---	25.9	21.5	23.7
14	13.6	9.8	11.9	---	---	---	---	---	---	26.3	22.9	24.6
15	15.0	7.4	11.2	---	---	---	---	---	---	29.7	24.2	26.7
16	17.2	10.9	13.8	---	---	---	---	---	---	27.2	24.4	26.0
17	18.3	12.3	15.5	---	---	---	---	---	---	26.4	24.4	25.4
18	20.3	14.0	16.4	---	---	---	---	---	---	27.7	24.4	25.8
19	21.4	16.3	18.5	---	---	---	---	---	---	27.0	25.0	25.9
20	22.3	18.2	20.1	---	---	---	---	---	---	28.9	25.4	26.8
21	21.3	17.9	19.9	---	---	---	---	---	---	29.0	26.5	27.7
22	20.8	15.2	17.7	---	---	---	---	---	---	28.0	25.4	27.1
23	16.7	12.9	14.0	---	---	---	---	---	---	28.3	25.8	27.3
24	13.5	12.1	12.8	---	---	---	---	---	---	27.5	25.9	26.6
25	15.1	12.8	13.7	---	---	---	---	---	---	---	---	---
26	19.4	15.0	17.2	---	---	---	---	---	---	---	---	---
27	19.6	18.0	18.7	---	---	---	---	---	---	---	---	---
28	21.4	18.4	20.1	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	28.4	24.2	26.2
30	---	---	---	---	---	---	---	---	---	27.2	23.4	25.2
31	---	---	---	---	---	---	---	---	---	29.5	24.8	26.9
MONTH	22.3	7.4	15.6	---	---	---	---	---	---	29.8	19.0	25.3

MISSISSIPPI RIVER DELTA

07381329 MILL CREEK NEAR DULAC, LA--Continued

INSIDE WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29.8	22.3	26.0	33.1	28.2	30.6	29.9	28.0	29.1	32.3	27.4	29.9
2	30.1	24.9	27.5	34.4	28.9	31.4	31.0	26.4	28.9	32.2	29.4	30.8
3	31.3	25.1	27.8	35.5	28.5	31.9	32.3	28.5	30.4	31.7	27.6	29.6
4	28.7	25.4	27.4	34.1	29.4	32.0	31.8	29.3	30.5	31.5	27.6	29.7
5	28.8	25.5	27.4	33.1	29.0	31.3	33.4	28.3	30.8	30.3	27.1	29.0
6	28.9	26.6	27.7	31.6	26.6	29.4	32.8	29.7	31.0	29.0	27.5	28.4
7	27.8	26.0	27.0	31.5	27.7	29.7	32.3	28.3	30.1	30.5	26.4	28.0
8	28.9	25.6	27.2	30.2	28.3	29.4	30.7	29.0	29.8	30.6	26.6	28.4
9	29.3	25.8	27.5	29.5	26.9	28.5	32.6	27.9	30.4	31.3	27.4	29.1
10	29.0	25.7	27.5	32.3	27.0	29.7	32.3	30.2	31.1	32.1	28.3	29.8
11	29.3	26.2	27.8	34.5	29.2	31.4	34.0	30.4	31.7	31.3	27.8	29.3
12	31.0	27.4	29.1	34.0	29.5	31.6	34.0	30.5	32.2	30.8	27.5	29.1
13	31.3	27.7	29.6	32.8	28.5	30.2	34.5	30.9	32.6	31.8	28.2	30.0
14	32.1	27.8	29.8	32.7	27.0	30.0	34.0	31.6	32.4	31.4	29.3	30.3
15	34.3	28.4	31.0	32.3	29.9	31.1	33.9	30.5	31.9	32.4	28.3	30.3
16	31.8	29.9	30.6	31.5	29.8	30.7	32.9	30.8	31.8	31.9	29.0	30.5
17	29.9	27.9	29.3	29.8	25.9	28.4	33.3	30.3	31.8	32.0	28.1	30.2
18	27.9	26.0	27.1	28.5	24.8	26.6	33.6	30.5	32.1	32.0	28.4	30.4
19	28.3	25.2	26.5	32.1	25.8	28.9	33.8	30.3	32.0	31.9	28.7	30.1
20	29.6	26.4	28.2	32.2	27.6	30.2	33.2	29.6	31.4	31.9	28.7	30.0
21	30.1	27.5	29.2	31.8	28.1	30.3	34.8	27.8	31.1	32.1	28.8	30.0
22	30.6	27.8	29.3	32.1	28.7	30.5	32.5	28.1	30.6	31.9	29.1	30.2
23	32.4	28.2	30.3	30.7	28.9	29.6	31.0	28.6	29.9	30.3	27.7	29.0
24	31.4	27.6	29.2	34.3	27.2	30.1	32.5	28.6	30.1	28.9	27.4	28.1
25	29.5	27.1	28.4	34.5	29.2	31.5	32.6	28.8	30.4	27.4	24.7	26.2
26	30.1	27.3	28.6	35.5	30.7	32.6	32.6	29.4	30.6	28.5	22.0	25.1
27	30.6	27.6	29.3	34.5	31.4	32.6	33.3	28.8	30.4	28.3	24.2	26.4
28	30.8	28.3	29.7	34.1	31.2	32.4	33.4	29.3	31.0	29.3	25.3	26.9
29	31.5	29.0	30.0	33.0	29.7	31.6	32.9	29.5	31.0	29.8	24.9	27.2
30	30.4	29.4	29.9	32.8	28.8	30.6	32.7	29.8	31.1	29.9	25.4	27.9
31	---	---	---	32.7	29.3	30.6	33.1	29.9	31.2	---	---	---
MONTH	34.3	22.3	28.5	35.5	24.8	30.5	34.8	26.4	30.9	32.4	22.0	29.0

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA

LOCATION.--Lat 29°22'30", long 90°36'06", in sec.1, T. 20 S., R.18 E., Terrebonne Parish, Hydrologic Unit 08090302, on a three-pile platform, 1.5 mi south of Chauvin.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.50 ft, Apr. 5, 1997; minimum, 6.62 ft, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.50 ft, Apr. 5; minimum, 7.26 ft, Jan. 17.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.50	8.73	9.11	9.51	8.73	9.12	10.01	8.57	9.00	8.84	8.39	8.58
2	9.53	8.78	9.15	9.34	7.95	8.50	9.10	8.67	8.81	8.77	8.39	8.56
3	9.52	8.75	9.10	8.70	8.19	8.40	9.10	8.45	8.69	9.08	8.32	8.71
4	9.71	9.13	9.40	8.84	8.32	8.60	8.97	8.24	8.54	9.39	8.47	8.88
5	10.62	9.55	10.07	8.97	8.57	8.69	8.99	8.67	8.80	9.32	8.48	8.89
6	9.87	9.55	9.72	9.34	8.86	9.00	9.21	8.41	8.75	9.14	8.35	8.73
7	9.98	9.44	9.67	9.46	9.10	9.30	9.15	8.37	8.66	9.21	8.23	8.68
8	10.37	9.31	10.01	9.10	8.03	8.33	8.72	7.75	8.22	9.36	8.47	8.94
9	9.44	9.09	9.23	8.94	7.61	8.16	8.90	7.92	8.37	9.13	7.86	8.32
10	9.39	8.52	8.92	8.93	7.98	8.41	9.01	8.01	8.45	8.88	7.95	8.31
11	9.01	8.40	8.65	8.96	7.87	8.32	9.21	8.11	8.59	8.76	7.79	8.19
12	9.11	8.60	8.88	8.98	7.94	8.44	9.25	8.21	8.71	8.42	7.73	8.05
13	9.35	8.61	8.97	8.95	8.02	8.49	9.09	8.07	8.57	8.13	7.56	7.88
14	9.59	8.77	9.16	9.14	8.02	8.51	9.03	8.24	8.66	8.54	7.91	8.10
15	9.63	8.65	9.14	10.11	8.64	9.03	9.15	8.42	8.81	9.21	8.50	8.81
16	9.57	8.74	9.19	10.69	9.84	10.20	9.22	8.35	8.89	8.78	7.64	8.08
17	9.93	8.92	9.37	10.77	9.55	10.04	8.80	8.34	8.50	8.29	7.26	7.71
18	9.71	8.38	8.99	9.89	9.28	9.54	8.76	7.92	8.23	8.22	7.45	7.84
19	9.07	8.57	8.86	9.60	9.20	9.40	8.15	7.41	7.77	8.40	7.45	7.87
20	9.47	8.75	9.12	9.82	9.15	9.47	8.46	7.58	7.97	8.52	7.51	7.95
21	9.41	8.91	9.13	9.78	9.24	9.48	9.10	7.93	8.40	9.02	7.90	8.35
22	9.84	8.87	9.46	9.82	8.64	9.11	9.14	8.24	8.66	9.04	8.19	8.60
23	9.11	8.32	8.68	9.89	8.91	9.34	9.28	8.25	8.72	9.11	8.06	8.53
24	9.40	8.80	9.09	10.62	9.02	9.53	9.28	8.10	8.48	9.29	8.54	8.92
25	10.02	8.90	9.24	10.46	8.59	9.08	8.84	7.72	8.16	9.14	8.23	8.66
26	10.21	9.11	9.62	8.76	7.98	8.36	9.22	8.26	8.68	9.33	8.46	8.78
27	9.90	8.97	9.39	8.78	7.95	8.33	9.26	8.55	8.90	9.49	8.73	9.02
28	9.79	8.76	9.22	9.01	8.10	8.52	9.17	8.33	8.72	9.14	8.25	8.74
29	9.72	8.81	9.25	9.54	8.68	9.01	9.06	8.48	8.78	8.77	8.18	8.41
30	9.77	8.68	9.14	10.01	9.12	9.52	8.96	8.25	8.56	8.57	8.18	8.37
31	9.36	8.51	8.94	---	---	---	8.85	8.36	8.57	8.80	8.15	8.43
MONTH	10.62	8.32	9.22	10.77	7.61	8.94	10.01	7.41	8.57	9.49	7.26	8.45

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.13	8.13	8.60	9.64	9.00	9.31	9.11	8.08	8.62	9.09	8.34	8.67
2	9.14	8.24	8.63	9.76	8.91	9.31	9.16	8.33	8.74	9.40	8.91	9.17
3	9.31	8.35	8.78	9.21	8.49	8.88	9.33	8.38	8.82	9.34	8.32	8.82
4	9.42	8.32	8.84	9.26	8.42	8.84	10.16	8.92	9.45	8.59	8.20	8.38
5	9.21	8.12	8.58	9.11	8.44	8.81	11.50	9.57	10.52	9.12	8.31	8.79
6	9.11	8.15	8.60	8.95	7.82	8.31	9.57	9.01	9.22	8.92	8.36	8.71
7	9.23	8.45	8.83	9.23	8.26	8.62	9.29	8.53	8.92	9.04	8.35	8.74
8	8.90	7.79	8.22	9.23	8.33	8.72	9.51	8.55	9.11	9.37	8.40	8.94
9	8.63	7.92	8.24	9.09	8.38	8.63	9.28	8.66	9.03	9.11	8.47	8.79
10	8.42	7.81	8.09	8.99	8.42	8.68	9.50	8.55	9.06	9.00	8.23	8.60
11	8.64	7.80	8.15	8.85	8.38	8.62	10.00	8.92	9.45	9.34	8.33	8.86
12	9.48	8.46	8.70	9.26	8.38	8.93	9.41	8.89	9.20	9.16	8.50	8.84
13	9.57	8.72	9.07	9.73	9.11	9.48	9.17	8.21	8.67	8.97	8.45	8.72
14	8.90	8.34	8.59	9.11	8.71	8.97	8.97	8.31	8.64	8.85	8.41	8.64
15	8.78	7.80	8.26	8.99	8.19	8.64	9.53	8.21	8.63	8.59	8.29	8.46
16	8.68	7.92	8.33	8.98	8.23	8.64	8.88	8.32	8.62	8.64	8.19	8.44
17	8.55	7.76	8.16	9.10	8.35	8.77	8.66	8.04	8.32	8.93	8.64	8.81
18	8.82	7.88	8.29	9.21	8.39	8.81	8.63	7.83	8.24	9.02	8.73	8.83
19	8.96	8.05	8.48	9.21	8.50	8.73	8.64	8.38	8.54	9.29	8.79	9.10
20	9.52	8.47	8.89	8.63	7.97	8.27	8.76	8.32	8.53	9.19	8.46	8.96
21	9.60	8.85	9.17	8.58	7.93	8.22	9.06	8.57	8.84	9.12	8.41	8.78
22	8.95	7.95	8.33	8.56	8.16	8.34	9.07	8.40	8.83	8.92	8.31	8.66
23	8.82	8.16	8.45	8.64	7.97	8.28	8.71	8.02	8.40	9.14	8.26	8.77
24	8.94	8.41	8.55	8.78	8.42	8.61	9.23	8.21	8.77	9.45	8.37	8.91
25	8.94	8.56	8.73	9.02	8.56	8.88	9.80	8.65	9.27	9.37	8.68	9.02
26	9.34	8.90	9.14	8.92	8.39	8.71	9.83	8.97	9.36	9.37	8.65	9.02
27	9.02	8.59	8.78	9.02	8.33	8.70	10.51	9.40	9.96	9.19	8.55	8.90
28	9.48	8.57	9.04	9.18	8.65	8.97	9.48	8.65	8.98	9.06	8.43	8.79
29	---	---	---	9.03	8.50	8.76	8.81	8.14	8.56	9.15	8.40	8.83
30	---	---	---	8.90	8.35	8.62	9.19	8.23	8.75	9.33	8.87	9.06
31	---	---	---	8.85	7.78	8.30	---	---	---	9.08	8.39	8.84
MONTH	9.60	7.76	8.59	9.76	7.78	8.72	11.50	7.83	8.93	9.45	8.19	8.80
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.78	8.24	8.52	8.97	8.18	8.65	8.85	8.10	8.49	8.97	8.40	8.73
2	8.96	8.17	8.61	8.88	8.05	8.51	8.99	8.06	8.56	9.04	8.55	8.83
3	8.88	8.14	8.54	8.62	7.92	8.30	9.04	8.28	8.69	8.92	8.44	8.63
4	8.93	8.09	8.53	8.74	7.82	8.32	8.93	8.31	8.64	8.94	8.44	8.65
5	9.10	8.14	8.66	8.96	7.95	8.46	8.65	8.23	8.47	9.12	8.60	8.78
6	9.35	8.33	8.88	9.03	8.13	8.60	8.69	8.20	8.46	9.72	9.12	9.39
7	9.28	8.56	8.92	9.05	8.22	8.67	8.64	8.27	8.51	9.79	9.08	9.39
8	9.26	8.40	8.87	8.82	8.32	8.58	8.80	8.40	8.61	9.69	9.06	9.38
9	9.30	8.64	9.02	8.80	8.21	8.55	8.90	8.42	8.64	9.80	8.92	9.34
10	9.56	8.74	9.17	8.74	8.27	8.53	8.87	8.25	8.59	9.58	8.77	9.19
11	9.69	9.26	9.47	8.54	8.27	8.38	8.76	8.23	8.51	9.46	8.65	9.08
12	9.53	9.19	9.33	8.56	8.24	8.41	8.90	8.27	8.60	9.87	8.73	9.09
13	9.47	9.08	9.27	8.62	8.12	8.44	8.89	8.21	8.57	9.40	8.69	9.09
14	9.36	8.85	9.17	8.90	8.12	8.58	8.98	8.18	8.60	9.35	8.67	9.06
15	9.12	8.69	8.92	9.21	8.52	8.88	9.14	8.20	8.71	9.29	8.67	9.02
16	9.50	8.78	9.12	9.28	8.57	8.96	9.42	8.38	8.94	9.34	8.82	9.10
17	9.69	8.86	9.31	10.24	8.58	9.51	9.34	8.51	8.95	9.33	8.90	9.08
18	9.71	8.63	9.19	9.08	8.15	8.65	9.20	8.45	8.85	9.40	8.81	9.11
19	9.35	8.54	8.97	9.03	8.12	8.61	9.19	8.42	8.85	9.65	8.89	9.22
20	9.31	8.49	8.91	8.85	8.05	8.48	8.91	8.50	8.73	9.77	9.02	9.39
21	9.44	8.43	8.97	8.81	8.02	8.44	8.66	8.33	8.50	9.90	8.79	9.27
22	9.37	8.52	8.96	8.72	8.00	8.39	8.83	8.34	8.52	9.53	8.73	9.14
23	9.10	8.42	8.77	8.76	8.10	8.46	8.97	8.40	8.67	9.78	8.87	9.30
24	9.09	8.17	8.65	8.66	8.20	8.44	8.98	8.38	8.70	9.69	8.95	9.32
25	8.95	8.42	8.74	8.55	8.31	8.43	9.00	8.33	8.67	9.45	8.30	8.90
26	8.81	8.52	8.65	8.53	8.18	8.40	9.24	8.63	8.92	8.91	8.33	8.65
27	8.70	8.37	8.54	8.66	8.08	8.41	9.34	8.52	8.96	9.36	8.48	8.80
28	8.74	8.38	8.58	8.77	8.13	8.48	9.06	8.36	8.77	8.95	8.57	8.80
29	9.09	8.45	8.80	8.80	8.09	8.52	8.96	8.37	8.73	8.70	8.43	8.59
30	9.12	8.33	8.80	8.87	8.04	8.47	9.03	8.40	8.77	8.65	8.39	8.52
31	---	---	---	8.93	8.04	8.55	9.03	8.49	8.81	---	---	---
MONTH	9.71	8.09	8.89	10.24	7.82	8.55	9.42	8.06	8.68	9.90	8.30	9.03

MISSISSIPPI RIVER DELTA
07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1994 to current year.

WATER TEMPERATURES: January 1994 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,600 microsiemens, Apr. 22, 1996; minimum daily, 1,560 microsiemens, on July 27, 1994.

WATER TEMPERATURES: Maximum daily, 34.5 °C, Aug. 19, 1997; minimum daily, 2.3°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 29,500 microsiemens, Nov. 24, 25; minimum daily, 2,640 microsiemens, on July 27.

WATER TEMPERATURES: Maximum daily, 34.5 °C, Aug. 19; minimum daily, 4.4°C, Jan. 14.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17000	13800	15200	24300	17600	20700	28100	19700	21800	12100	6310	9830
2	17200	13500	15600	22400	16600	18700	22500	20500	21100	11500	6510	9670
3	17400	13300	16200	19600	16200	17700	22500	19500	20600	13900	6270	10300
4	17100	13800	16400	20700	17000	19100	22100	16300	19200	16100	9810	12200
5	20000	16300	18300	21100	18300	19100	22100	18100	19800	15700	10600	12600
6	19800	18700	19200	22300	17300	19700	21400	16800	18700	15600	10600	12800
7	21700	19000	20300	22500	19500	21000	21400	17300	18600	16000	12400	14300
8	22100	17300	20800	21000	16700	18200	19100	16600	17700	16700	13200	15200
9	17300	14300	15000	19400	15000	16800	19700	16900	18000	15500	11600	13000
10	14800	13100	14100	19500	14800	16700	19700	16700	17900	12900	11600	12100
11	16000	12800	13600	18900	14400	16200	21100	17300	18700	13200	11300	12100
12	17100	14600	16100	19500	14700	16900	22400	16100	18700	13400	11300	12300
13	17700	16000	17000	20100	14700	17500	21900	15100	17800	13100	10800	12100
14	19600	17100	18200	19900	14800	17500	21300	16100	18100	12800	11800	12500
15	20800	15400	18400	21600	17200	19300	22300	17000	19400	13600	12400	13000
16	22000	16900	19300	24800	21100	22900	22600	16200	19200	12800	12100	12400
17	23600	17800	20700	27400	22100	24900	19100	16300	17200	13700	11800	12400
18	24400	15200	19900	28900	22300	25600	19100	15600	16600	13500	12400	13000
19	22700	15300	18700	25100	20700	22500	16700	15500	16000	13700	12300	12800
20	23200	16500	20300	27900	20100	22500	16900	15700	16300	14200	10300	12300
21	23100	18300	20600	27900	21800	23800	17600	16000	16700	17500	11600	13900
22	25500	20300	22400	27000	20200	22300	19700	16400	17400	18500	13500	15500
23	20400	17400	18300	27600	21000	24600	20300	16600	17900	20600	10800	14800
24	24100	18000	21200	29500	22900	25400	20700	15200	16800	21500	14900	17300
25	24800	19100	22500	29500	20900	23300	18000	14300	15600	17500	11300	13900
26	24800	21400	23100	22600	19500	20600	19500	15700	17400	18800	12200	16200
27	25700	21200	23200	22400	18600	20200	19800	14500	16300	19300	15300	16500
28	24700	17900	21500	22700	19000	20900	15200	13000	13700	16800	12300	14300
29	24700	18000	21100	24100	19900	22000	15200	10900	12600	14500	11700	12400
30	24600	17900	20700	28100	21300	23200	13400	8740	12000	14500	11100	12000
31	21600	17300	19200	---	---	---	13400	7780	11100	12900	10900	11700
MONTH	25700	12800	18900	29500	14400	20700	28100	7780	17400	21500	6270	13100

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	15700	10800	12500	16400	5770	10500	10700	7590	8890	10500	8180	8960
2	16300	10800	13000	17800	10500	14200	10600	7830	9190	11900	6070	8140
3	17400	11600	13900	16800	10100	11300	10800	8070	9530	8670	5410	7320
4	17900	10900	14100	13300	9490	10500	13000	8250	10300	9230	7920	8490
5	16000	9800	12100	11600	9600	10200	18300	12000	15000	9820	8050	9120
6	16900	9830	13200	11900	9100	9660	15600	9770	11400	9440	8520	8910
7	17200	13100	15000	12900	10700	12000	10500	9640	9990	9690	7760	8640
8	15400	9840	11900	13200	10200	11600	14900	9530	12200	11300	7970	9280
9	12200	9460	11000	13600	10000	11300	15500	10500	13400	11300	8080	9400
10	11600	9010	10200	12400	9650	10400	14800	10000	12700	11400	7610	9360
11	11000	9200	10100	11100	8050	9660	15400	12000	13600	11900	8190	10200
12	12800	10900	11900	14500	9240	11600	15100	11700	13300	12400	9000	10500
13	15000	11000	13100	15500	9940	12600	13600	9730	11000	11200	8310	9700
14	13300	9890	10800	13400	9800	10600	12700	9720	11000	9560	7460	8280
15	12200	9580	10400	13500	9250	10800	12000	9730	10900	7840	7200	7340
16	12200	9810	11000	13500	9630	11400	11600	9670	10500	8320	6840	7500
17	11300	9200	10100	13500	9190	11400	10600	9150	9760	9240	6890	8240
18	11000	8870	9980	11800	9180	10400	10100	8850	9380	8040	5420	6930
19	11700	9250	10200	10400	8280	8790	9360	8230	8740	12300	6240	8400
20	15500	8560	11800	9090	7920	8320	10100	5950	8470	9150	5100	7680
21	15600	7540	11500	9090	7920	8160	10800	5820	8250	10500	7540	8410
22	10600	9180	9600	8390	7760	8110	9280	3750	7190	10200	6710	8130
23	12100	9170	10600	9060	7910	8410	9290	6230	7350	9660	6650	7920
24	12700	10000	11500	9340	5240	7340	10300	6960	8280	11600	7130	8530
25	12000	10600	11600	10300	7050	8830	12900	8030	10700	9220	6570	7480
26	13200	11100	11800	10700	7750	8560	14600	11800	13300	8180	5590	6690
27	11800	9110	10100	11400	7120	8770	14900	10900	13300	7400	5260	6630
28	13100	9260	11000	11800	5880	8230	15000	9560	11100	7750	6550	7160
29	---	---	---	9040	4930	7530	9560	8860	9260	7820	6120	6990
30	---	---	---	7480	6230	6800	10300	7630	8680	7240	5590	6620
31	---	---	---	9570	6130	7640	---	---	---	6570	5500	6080
MONTH	17900	7540	11600	17800	4930	9860	18300	3750	10600	12400	5100	8160
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6870	6130	6630	5270	4410	4760	5340	3960	4680	11900	7270	9630
2	6750	6120	6430	5340	4640	4900	6720	3990	5090	12000	8980	10700
3	6720	6050	6470	4880	4170	4590	7090	4940	5920	10900	7520	8860
4	6840	5850	6350	4860	4170	4460	7030	5010	5990	10900	7990	9480
5	7150	5150	6330	4920	4160	4570	5970	3680	4470	12000	9240	11000
6	7450	4920	6260	5220	4080	4590	5020	3940	4460	14200	11500	12500
7	7320	4450	6230	5300	3890	4610	5010	4140	4550	14900	13100	14000
8	7850	5400	6420	4480	3840	4120	5620	3940	4830	15800	14100	15100
9	8890	5730	7290	4590	4010	4280	5640	3720	4490	16800	10900	14400
10	9310	6480	7990	4510	4240	4360	5100	3760	4240	16200	10700	13400
11	8800	6310	7460	4430	4140	4340	4700	3810	4190	15800	10500	12700
12	8460	6150	7070	4500	3680	4340	5210	3820	4540	15600	10500	13200
13	6540	5800	6130	4380	4100	4270	5650	4110	4770	15700	11300	13400
14	6210	3540	5480	4440	3920	4220	6080	4040	4910	15400	11000	13100
15	5840	5370	5680	5030	3610	4370	7370	4050	5420	14800	10400	12200
16	7860	5310	6030	5760	3780	4780	9940	4730	6790	15100	11200	12700
17	7850	5550	6500	7380	4440	5940	11400	5970	8100	14700	11100	12800
18	8840	5220	6550	6470	4520	4920	11200	5210	8050	15400	12200	13400
19	6550	4790	5600	6370	4500	5280	11300	5200	8200	17200	13400	14600
20	5970	4730	5200	6250	4730	5240	9340	5200	6300	18700	14900	16400
21	6120	4760	5390	5420	4470	4880	6260	4510	4880	19000	12300	15800
22	6360	5080	5590	5300	4360	4650	7770	4530	5640	19000	12300	14900
23	6150	5310	5620	5010	3720	4390	8140	6340	7170	20000	12400	16700
24	6060	5310	5590	4370	3760	3960	8940	6830	7910	19600	12600	16300
25	5750	5270	5450	4090	3810	3900	10400	6060	8490	14700	11000	12600
26	5360	4920	5040	4090	3840	3930	11200	6070	9400	13000	9910	11700
27	5200	4470	4960	4290	2640	3920	12800	7610	10500	14900	9640	12600
28	4760	3490	4420	4530	3400	4240	12800	6430	9280	14400	11400	13300
29	4890	2850	4210	4830	3680	4350	12200	6150	9140	12800	10700	11100
30	5190	3160	4360	5010	3940	4490	12000	6620	9600	11200	10500	10700
31	---	---	---	5770	4000	4800	12200	7680	10200	---	---	---
MONTH	9310	2850	5960	7380	2640	4530	12800	3680	6520	20000	7270	13000

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.9	22.8	23.7	26.0	24.9	25.6	18.2	15.6	17.1	19.2	18.1	18.5
2	26.1	24.5	25.3	25.9	20.5	22.8	15.7	14.0	14.6	19.7	18.3	18.9
3	26.1	25.0	25.5	20.6	16.9	19.0	15.4	13.5	14.7	21.3	19.1	20.2
4	25.0	23.7	24.5	18.0	15.6	16.8	15.3	14.3	14.8	22.2	20.6	21.5
5	24.6	21.9	23.2	19.5	17.1	18.2	16.0	14.2	15.0	22.2	21.4	22.0
6	21.9	20.0	20.7	22.2	18.6	20.5	18.6	15.3	16.7	21.4	16.4	19.6
7	21.0	19.2	20.2	23.9	22.1	22.9	18.8	17.5	18.4	16.4	12.1	15.0
8	22.5	20.2	21.2	22.1	17.8	19.9	18.0	15.7	16.5	13.6	11.6	12.4
9	23.0	21.6	22.4	17.8	16.0	16.6	16.2	14.7	15.6	12.7	10.4	11.7
10	23.6	22.3	22.8	17.8	15.6	16.8	17.9	15.6	16.8	11.4	9.6	10.5
11	22.5	20.6	21.3	18.8	16.5	17.8	19.7	17.2	18.5	10.5	8.1	9.6
12	21.9	19.9	20.9	19.1	17.8	18.4	20.3	19.2	19.8	8.5	6.8	7.6
13	23.1	20.9	21.9	19.0	17.1	18.2	20.8	19.8	20.3	6.9	5.5	6.2
14	23.4	21.9	22.8	19.6	17.7	18.7	20.8	19.6	20.1	6.7	4.4	5.6
15	23.8	22.2	23.1	19.9	18.3	19.2	19.8	19.1	19.5	9.6	6.7	7.9
16	25.0	22.8	23.8	19.3	18.9	19.1	19.6	16.4	18.8	9.6	7.9	8.9
17	26.1	24.3	25.3	20.3	19.2	19.7	16.4	14.2	15.0	7.9	5.8	6.7
18	26.1	22.5	24.9	21.3	20.2	20.8	14.3	9.7	12.6	7.6	5.0	6.2
19	22.6	20.4	21.4	21.9	21.0	21.4	9.7	6.6	7.9	9.3	5.9	7.5
20	21.2	18.7	20.3	23.0	21.3	22.2	8.2	5.7	6.9	11.8	8.1	9.5
21	22.5	20.1	21.3	23.6	22.5	23.1	10.1	6.6	8.3	14.9	10.8	12.9
22	23.2	21.6	22.3	23.4	19.9	21.7	12.5	9.7	11.2	17.5	14.5	16.0
23	21.6	19.1	19.9	20.9	19.2	20.3	15.2	12.2	13.5	18.2	16.6	17.5
24	19.9	18.5	19.4	22.0	20.3	21.1	15.6	13.4	14.7	19.3	17.9	18.6
25	21.3	19.8	20.4	21.7	15.5	18.8	13.4	10.6	11.4	19.2	16.9	18.2
26	24.4	21.2	22.7	15.5	12.9	14.1	12.7	10.1	11.2	17.3	15.4	16.5
27	25.7	24.3	24.9	13.0	11.5	12.3	14.0	12.7	13.5	18.6	16.8	17.9
28	26.3	24.8	25.6	13.4	11.1	12.3	15.9	13.7	14.6	18.8	15.1	17.6
29	26.1	25.4	25.7	15.7	13.3	14.3	16.5	15.4	15.9	15.1	13.0	14.0
30	26.2	25.4	25.8	18.5	15.7	17.3	17.8	16.1	16.7	13.4	12.9	13.1
31	26.5	25.5	26.0	---	---	---	18.9	17.3	17.8	14.3	12.4	13.3
MONTH	26.5	18.5	22.9	26.0	11.1	19.0	20.8	5.7	15.1	22.2	4.4	13.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.5	14.0	15.1	23.6	20.4	22.1	19.3	17.8	18.5	25.9	22.5	24.0
2	18.0	16.1	16.9	23.5	22.6	23.0	19.5	17.5	18.6	26.3	24.6	25.6
3	19.6	17.5	18.5	22.6	20.1	21.1	19.8	18.8	19.4	26.7	24.7	25.6
4	19.5	18.1	18.9	22.2	20.6	21.3	21.4	19.5	20.6	24.7	22.7	23.7
5	18.7	16.8	17.9	23.0	21.6	22.3	21.7	21.1	21.4	23.9	21.5	22.9
6	16.8	14.6	15.8	22.3	17.8	19.8	23.5	20.9	22.0	25.5	22.5	23.8
7	15.6	14.2	14.8	19.9	17.1	18.1	23.4	21.8	22.5	26.0	23.5	24.6
8	14.7	12.9	13.7	20.0	17.4	18.7	22.0	19.3	20.3	26.7	24.3	25.4
9	12.9	10.5	11.7	21.6	19.1	20.3	20.9	18.9	19.7	28.3	25.0	26.6
10	12.4	10.3	11.3	22.9	20.6	21.6	21.1	19.8	20.4	27.3	21.4	24.0
11	12.0	10.8	11.4	24.2	21.3	22.4	20.7	20.0	20.4	22.2	21.1	21.6
12	11.3	10.4	10.7	23.8	22.5	23.1	20.9	20.1	20.5	23.8	21.2	22.2
13	13.8	11.3	12.5	22.9	21.5	22.0	20.1	17.4	18.3	25.1	22.4	23.6
14	13.0	11.7	12.5	23.6	21.5	22.5	17.4	15.1	16.1	26.2	23.9	25.0
15	12.0	10.2	11.3	22.9	18.5	20.5	17.7	15.0	16.1	27.3	24.7	25.9
16	13.2	10.9	12.0	18.7	16.2	17.6	20.1	16.4	18.0	27.6	25.4	26.5
17	14.9	12.1	13.5	17.9	16.2	17.1	20.2	18.3	19.2	26.6	24.7	25.6
18	17.0	13.7	15.1	20.5	17.0	18.9	19.5	17.4	18.6	27.5	24.9	26.3
19	19.5	16.4	17.7	20.9	19.7	20.3	21.9	18.4	19.7	26.9	25.4	26.3
20	22.1	18.9	20.3	19.7	17.2	18.2	23.0	19.6	21.2	28.8	26.0	27.1
21	21.8	20.6	21.2	19.5	16.6	17.8	24.5	21.8	23.0	28.9	27.2	28.0
22	21.0	18.1	18.8	20.5	17.9	19.3	24.2	23.2	23.8	30.3	27.3	28.4
23	18.1	13.8	16.3	22.6	20.3	21.2	23.6	20.8	22.4	30.0	27.2	28.6
24	14.4	13.3	13.9	23.1	20.6	21.7	22.3	20.4	21.1	29.3	26.2	27.5
25	14.5	13.5	13.8	23.0	21.3	22.2	20.5	18.4	19.1	27.0	24.5	25.8
26	19.5	14.5	17.1	25.3	22.7	23.7	18.6	17.4	17.9	28.4	25.9	27.1
27	19.3	18.2	18.5	24.1	22.6	23.5	19.5	17.6	18.7	30.8	27.2	28.8
28	22.3	18.4	20.2	24.8	23.0	23.7	19.5	18.5	19.0	30.6	27.9	29.2
29	---	---	---	25.4	23.7	24.5	21.7	17.8	19.4	28.6	26.8	27.4
30	---	---	---	25.1	23.2	24.4	24.2	20.8	22.4	26.9	25.6	26.5
31	---	---	---	23.2	18.4	20.2	---	---	---	27.3	26.2	26.7
MONTH	22.3	10.2	15.4	25.4	16.2	21.1	24.5	15.0	19.9	30.8	21.1	25.8

MISSISSIPPI RIVER DELTA

07381338 BAYOU TERREBONNE AT BUSH CANAL, SOUTH OF CHAUVIN, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.3	25.0	26.2	30.6	28.3	29.4	30.1	28.5	29.3	32.7	29.6	31.0
2	27.4	25.4	26.5	31.7	29.4	30.5	29.9	27.4	28.6	32.3	30.3	31.2
3	28.6	25.9	27.0	33.0	29.9	31.2	31.9	28.7	29.9	31.9	29.1	30.5
4	28.7	25.9	27.4	33.3	30.6	32.0	31.3	29.6	30.4	31.2	29.5	30.3
5	27.8	26.6	27.1	32.8	30.0	31.7	33.0	29.3	30.8	30.3	28.5	29.3
6	27.9	26.2	27.0	31.2	28.3	29.9	31.8	30.3	30.9	28.7	26.4	27.6
7	27.8	26.6	27.1	31.8	29.2	30.3	32.5	29.5	30.6	28.2	25.9	27.0
8	29.0	26.3	27.6	30.6	29.3	29.8	30.6	29.4	30.0	29.7	26.7	27.9
9	29.5	27.0	28.1	29.7	28.6	29.0	31.3	28.4	29.7	30.3	27.7	28.7
10	29.3	27.4	28.4	30.8	28.4	29.5	31.3	29.6	30.4	30.4	28.4	29.4
11	30.3	27.9	28.9	32.4	29.4	30.6	31.5	29.8	30.8	30.3	28.0	29.1
12	31.2	28.3	29.6	33.3	30.5	31.2	32.2	29.7	30.8	29.9	27.8	28.8
13	30.7	28.7	29.7	32.3	30.1	30.7	33.6	30.2	31.6	30.6	27.8	29.2
14	30.9	29.0	29.8	32.0	28.7	30.0	33.2	31.1	32.0	31.8	29.1	30.1
15	31.5	29.3	30.4	31.3	28.7	30.0	32.2	30.8	31.5	32.1	29.2	30.2
16	31.3	29.1	30.3	30.5	29.4	29.9	31.8	29.9	30.9	32.3	30.0	30.9
17	30.6	28.7	29.5	29.5	25.8	27.2	32.3	29.8	31.2	32.5	30.1	31.1
18	28.9	27.2	27.8	27.2	25.6	26.5	33.4	31.1	32.0	31.3	29.9	30.7
19	28.0	27.0	27.5	30.0	26.4	27.8	34.5	31.4	32.6	30.5	29.3	29.9
20	29.5	27.3	28.3	30.8	28.4	29.4	33.0	31.1	32.2	30.0	28.7	29.3
21	30.7	28.2	29.3	31.6	29.0	30.2	31.7	30.1	31.0	30.1	28.3	29.3
22	31.3	28.8	29.9	32.0	29.6	30.7	32.7	30.5	31.0	30.7	29.1	29.7
23	32.9	29.1	30.6	31.2	29.3	30.0	30.7	28.6	29.6	29.6	28.2	28.5
24	30.6	29.0	29.8	31.8	28.7	29.9	29.2	26.8	28.2	28.2	27.1	27.7
25	29.5	28.4	28.8	32.4	29.9	30.8	30.4	26.8	28.5	27.7	25.5	26.9
26	30.3	28.1	29.0	32.6	30.4	31.3	30.1	27.7	29.0	26.6	24.4	25.4
27	30.3	29.0	29.6	32.5	30.5	31.6	31.4	28.1	29.5	27.3	24.9	26.0
28	31.0	29.3	29.7	32.4	30.6	31.6	31.9	29.3	30.5	28.1	25.5	26.5
29	30.4	28.6	29.5	32.2	30.3	31.1	32.2	30.0	30.8	27.9	25.8	26.8
30	29.9	28.6	29.1	31.9	29.4	30.4	32.2	30.0	31.1	30.1	26.8	27.9
31	---	---	---	31.9	29.7	30.4	32.5	30.7	31.5	---	---	---
MONTH	32.9	25.0	28.6	33.3	25.6	30.1	34.5	26.8	30.5	32.7	24.4	28.9

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA

LOCATION.--Lat. 29°15'08", Long. 90°55'18", T. 21 S, R. 15 E, Mechant, La., Terrebonne Parish, Hydrologic Unit 08090302, on dock at Wildlife and Fisheries camp 9.0 mi. southwest of Bayou Du Large and 13 mi. SW of Dulac.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is sea level (by Global Positioning System).

REMARKS.--Elevation affected by wind and tide at all stages. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 3.69 ft, Apr. 5, 1997; minimum recorded, -1.46 ft, Jan. 19, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum recorded elevation, 3.69 ft, Apr. 5; minimum recorded, -0.99 ft, Jan. 17.

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.52	.56	1.08	1.55	.64	1.17	2.32	.29	1.02	1.56	.97	1.27
2	1.79	.72	1.16	1.51	-.70	.13	1.56	.82	1.10	1.50	.89	1.18
3	1.44	.59	1.04	.97	.20	.48	1.41	.59	.91	1.79	.80	1.37
4	2.62	1.39	1.70	1.12	.47	.88	1.49	.19	.76	1.86	.61	1.35
5	2.52	1.46	1.94	.90	.43	.70	1.48	.97	1.13	1.70	.68	1.28
6	2.16	1.37	1.83	1.30	.81	.97	1.57	.51	1.06	1.64	.18	.98
7	2.85	2.06	2.47	1.56	.47	1.22	1.47	.45	.93	1.70	-.20	.92
8	3.12	1.76	2.68	.60	-.47	.04	1.30	-.60	.47	1.96	.43	1.28
9	1.98	1.36	1.73	.92	-.97	.01	1.53	-.15	.78	1.57	-.15	.54
10	1.80	.62	1.36	.93	-.38	.15	1.62	-.13	.79	1.35	-.36	.58
11	1.72	.62	1.18	.93	-.59	.18	1.89	-.05	.98	.91	-.63	.22
12	1.73	.94	1.36	.93	-.69	.15	1.89	.17	1.10	.80	-.51	.12
13	1.86	.93	1.45	.99	-.59	.23	1.69	.03	.94	.59	-.51	.14
14	2.02	.96	1.61	1.12	-.57	.30	1.64	.26	1.04	1.45	.45	.84
15	2.01	.87	1.56	1.41	-.03	.74	1.64	.56	1.18	1.89	1.09	1.44
16	2.02	.95	1.57	2.47	1.34	1.73	1.68	.59	1.31	1.21	-.46	.23
17	2.17	1.15	1.74	2.57	1.52	2.05	1.44	.28	.89	1.00	-.99	.10
18	2.04	.29	1.11	2.14	1.46	1.81	1.13	.13	.61	.74	-.46	.24
19	1.39	.29	.91	1.86	1.37	1.59	.73	-.56	.20	.98	-.59	.29
20	1.64	.56	1.13	2.10	1.25	1.74	1.05	-.30	.45	1.06	-.67	.23
21	1.50	.74	1.16	2.06	1.36	1.75	1.66	.02	.92	1.32	-.18	.67
22	2.02	.29	1.42	1.90	.40	1.29	1.76	.36	1.14	1.30	.16	.84
23	1.12	.07	.66	2.04	.90	1.59	1.89	.35	1.18	1.57	-.03	.77
24	1.48	.57	1.08	2.92	.98	1.78	1.89	.20	.79	1.65	.73	1.24
25	2.23	.77	1.44	2.43	.56	1.25	1.67	-.33	.67	1.45	-.09	.82
26	2.36	.86	1.58	.97	-.59	.25	1.93	.63	1.31	1.72	.46	1.07
27	1.94	.75	1.45	1.38	-.20	.59	1.93	.57	1.30	1.74	.92	1.30
28	1.94	.71	1.34	1.59	-.12	.77	1.77	.50	1.19	1.41	.35	.91
29	1.88	.73	1.37	2.20	.78	1.36	1.76	.91	1.38	1.23	.35	.79
30	1.88	.68	1.23	2.35	1.13	1.83	1.54	.50	1.09	1.00	.54	.74
31	1.55	.34	1.02	---	---	---	1.61	.99	1.24	1.10	.42	.81
MONTH	3.12	.07	1.43	2.92	-.97	.96	2.32	-.60	.96	1.96	-.99	.79

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current.

WATER TEMPERATURES: July 1992 to current.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, and water temperature.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 41,800 microsiemens, Nov. 17, 1996, but may have been higher during period of missing record; minimum daily, 588 microsiemens, July 4, 1997, but may have been lesser during period of missing record.

WATER TEMPERATURES: Maximum daily, 34.0 °C, July 27, 1995, but may have been higher during period of missing record; minimum daily, 0.9°C, Feb. 5, 1996, but may have been lesser during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 41,800 microsiemens, Nov. 17; minimum daily, 588 microsiemens, July 4.

WATER TEMPERATURES: Maximum daily, 33.5 °C, July 4; minimum daily, 4.8°C, Jan. 14.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24000	16800	20100	38300	34600	36300	31300	22200	25900	15500	12800	14600
2	25800	18500	22100	37200	28100	31600	26200	21300	23400	15300	13200	14300
3	23900	21900	22900	31200	29200	30200	25700	20100	23000	18600	11900	14400
4	25400	19500	23100	33200	28900	31800	25500	17800	21200	18700	13900	15900
5	23600	17500	20400	34300	31700	33200	25500	21700	23500	20400	13800	16600
6	19600	14600	16400	37600	33100	35200	23700	18700	21200	19800	11300	14900
7	30600	16700	25500	38600	34300	36800	23700	17700	20000	17100	10700	13500
8	34400	24600	31000	34300	25800	28700	20600	13300	16000	18100	13500	15600
9	24700	22300	23600	32300	23300	26100	21700	13800	17600	16300	8320	11000
10	27200	19800	22300	32300	24100	27300	21600	15600	18400	12900	6650	8470
11	23900	19600	22200	31000	24200	26600	22300	16500	19100	10400	6110	7980
12	25000	22300	23900	32000	26800	29000	22900	17700	20400	9410	6740	8250
13	27700	23700	25000	30400	27700	29200	23600	15100	18400	9410	7050	8230
14	31200	25200	27900	31200	28000	29800	22500	17400	20000	11500	7860	9110
15	31600	26300	28800	33800	30800	32200	22200	19100	20900	13200	10400	11700
16	33000	28000	30700	38700	33400	37200	23100	17500	21400	12600	6680	8260
17	35100	30600	32700	41800	37600	39600	20600	14900	16800	8790	5910	6730
18	35800	25100	30300	38900	35700	37500	18100	10300	13200	8840	6080	7170
19	30000	26100	27700	36500	35200	36100	14200	8810	10100	10000	5850	7180
20	34200	29800	31900	36100	34400	35300	15200	7920	10700	14500	6070	8210
21	33000	29400	31700	36400	34700	35700	15500	11300	13400	16600	9220	12200
22	36700	30000	33600	35600	32700	33900	17400	13700	15400	17700	13200	15200
23	30700	27200	29200	36600	33200	34500	18900	13700	16100	17200	9870	13300
24	33900	28800	30800	36400	33800	34800	19100	12400	15000	19200	15300	17100
25	36000	31900	33700	37800	26500	32200	16400	11100	13200	17300	11200	14100
26	38800	36000	37000	26500	21400	22900	21400	14100	16900	18700	15200	16700
27	38800	37200	37900	24300	19500	21900	21400	13700	16700	21600	18000	19900
28	40000	36700	38200	24700	19700	22300	18400	12900	15200	19600	13100	16800
29	39200	36900	37700	27700	24500	25700	17400	12400	15500	16400	12200	13500
30	38900	36800	37700	30600	27700	29600	15800	11900	13700	14100	10700	11800
31	39200	33500	36000	---	---	---	16100	13500	15400	23200	9990	15000
MONTH	40000	14600	28800	41800	19500	31400	31300	7920	17700	23200	5850	12500

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	28400	10700	18200	28500	22100	25400	14500	3690	8630	7530	2710	4560
2	26800	12200	19900	30800	23400	26300	16600	8310	11500	11500	6310	8590
3	26500	14100	21100	28000	20300	22300	15100	8160	11700	11400	2370	6750
4	25400	15200	20800	25000	17000	20300	22600	11900	15100	5000	2240	3080
5	25200	12900	16900	23700	17900	20700	28800	20300	25900	---	---	---
6	22000	13600	17800	21200	13200	15500	22700	13100	16700	---	---	---
7	22400	17500	20300	20300	15100	17500	22200	10700	13000	---	---	---
8	21400	10600	13500	25000	15900	18900	15700	10500	12600	---	---	---
9	15000	11300	12700	20800	15200	18200	13100	10200	11500	---	---	---
10	14700	9800	12200	19000	13100	17600	11900	9800	10800	---	---	---
11	18700	9470	12700	16700	12600	15100	19200	10200	14500	---	---	---
12	18000	14000	16200	18300	11100	15200	13300	7530	11600	---	---	---
13	23100	15600	18700	26700	17900	22000	7530	4490	5580	---	---	---
14	16500	11100	13400	19100	10600	15600	8830	3340	5370	---	---	---
15	16800	7490	10400	17100	9140	13100	6070	2490	4050	---	---	---
16	13700	8320	11200	15500	10100	12700	6790	2330	4130	---	---	---
17	16700	7790	11100	20800	10900	14600	4010	1990	2590	---	---	---
18	15500	9160	12500	18100	11100	14700	8680	1920	3960	---	---	---
19	18200	12300	15500	18000	7480	12300	5920	2240	4660	---	---	---
20	29700	16300	19900	11500	5530	6330	5100	2130	3250	---	---	---
21	31200	21500	26400	11500	4450	6260	7360	1940	4720	---	---	---
22	22300	13600	15900	10600	4920	7270	10000	1710	4690	14000	3630	7330
23	17800	13500	15700	11900	3250	6520	6960	1820	3220	13000	2820	7620
24	18300	12200	15600	14200	8640	10300	7780	1940	4000	14800	4440	9030
25	19400	11800	15300	14400	8270	12200	8510	4880	7040	8660	4680	6890
26	24700	16600	21600	10100	4500	8360	15500	5610	8050	8020	2170	4830
27	21700	16800	18800	11900	4460	6910	22100	9300	15400	6190	1890	3670
28	26800	16700	20100	15500	5760	10800	13200	4200	8780	4040	1180	1920
29	---	---	---	5760	2770	4640	6100	3680	4520	6110	1070	3400
30	---	---	---	3950	2650	3120	7530	2440	4710	6600	2490	4780
31	---	---	---	19200	2990	6770	---	---	---	6070	972	3110
MONTH	31200	7490	16600	30800	2650	13800	28800	1710	8740	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	2720	972	1650	3900	1030	2040	12200	5110	8330	25900	17400	21100
2	7420	954	2850	5370	797	2050	14000	5880	9740	23800	18300	21600
3	8710	940	3160	2580	732	1290	---	---	---	21700	17900	19700
4	11100	926	5470	5610	588	1890	16100	8680	12500	21000	17400	19600
5	10900	3310	6360	10700	1160	3850	10900	7270	9130	23800	19500	21900
6	14100	3130	8330	11700	1140	5570	15600	6470	9690	28500	22400	24600
7	13300	6920	9390	7870	2810	4970	18300	8070	12700	28500	21800	25100
8	10600	5120	7860	6900	1610	3750	16700	11000	13400	29000	21800	24600
9	13400	7360	10200	4790	1020	2620	17300	11000	14200	29900	23400	25700
10	21400	8860	13300	4550	1010	2810	16100	9060	13000	28900	22700	25000
11	16500	12300	14100	3380	1130	2250	16800	7870	12300	26600	22300	23900
12	13500	10200	11900	4210	1000	2140	---	---	---	26200	22600	24600
13	16000	10000	12700	8450	1530	4380	---	---	---	29100	23600	25900
14	12700	6670	10800	16500	1530	8200	---	---	---	29200	23400	25400
15	7510	4580	6270	14000	8380	11100	24300	9630	16000	27300	23400	25100
16	19500	4990	10900	14800	10000	12100	24000	11900	18900	27700	23900	25600
17	21200	8350	14400	14700	10000	12000	24200	14600	19800	27000	24200	25800
18	17300	4840	11000	12500	3260	9270	23200	13700	18500	27000	24700	25800
19	10400	3860	6890	13100	2850	7420	---	---	---	27400	23900	25800
20	8140	3660	5450	12300	3950	6830	---	---	---	28800	24400	26700
21	10800	3070	6330	13200	3050	7080	17100	10900	12400	30100	24400	27300
22	11600	4730	7390	9780	2980	5740	18000	12500	14500	28300	26200	27100
23	9710	3620	6380	8540	2270	4680	19300	16900	17800	30600	26800	28200
24	6950	2060	4010	8200	1310	4010	20400	13600	18200	30000	27400	28600
25	5030	2760	4080	5740	2470	3740	22900	14600	18400	28700	22700	26100
26	4450	2430	3020	5070	2500	3850	27100	18100	23100	26200	22700	24000
27	2690	1530	1800	9210	1120	4840	29000	17400	23100	27600	22300	24400
28	1760	1180	1520	11300	1820	6390	26200	14100	20400	26000	21700	24600
29	7150	1090	3500	10400	2860	6340	23100	15200	20200	23500	20500	22100
30	4880	1220	2620	13400	2860	7050	25800	15600	20800	21500	19300	20800
31	---	---	---	---	---	---	27200	16700	22500	---	---	---
MONTH	21400	926	7120	16500	588	5340	29000	5110	16000	30600	17400	24600

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	25.0	23.0	23.9	26.8	25.4	26.1	16.9	14.6	16.2	20.4	18.9	19.7
2	25.9	24.0	24.8	26.1	19.6	23.2	15.3	13.1	14.2	20.9	19.3	20.1
3	25.7	24.9	25.3	20.1	18.1	19.1	15.2	14.0	14.6	21.3	19.8	20.5
4	25.5	24.2	24.9	18.9	17.3	18.3	15.2	14.3	14.8	21.9	20.6	21.2
5	24.8	22.4	23.8	20.8	18.9	19.7	16.3	14.6	15.3	22.4	21.1	21.7
6	22.4	20.7	21.4	21.9	20.0	20.6	17.4	15.6	16.5	21.5	19.1	20.3
7	21.9	20.4	21.1	23.0	20.8	22.1	18.5	17.1	17.8	19.1	14.7	16.0
8	22.9	21.4	22.0	21.9	17.8	19.8	17.5	15.9	16.7	15.0	13.8	14.4
9	23.4	21.9	22.5	18.0	15.8	17.0	16.9	15.3	16.1	13.9	10.3	12.0
10	23.9	22.0	22.9	18.1	16.1	17.2	18.0	15.6	16.8	11.7	9.6	10.6
11	22.7	20.5	21.7	19.4	16.9	18.0	18.7	16.9	17.9	11.1	8.7	9.7
12	22.5	20.6	21.6	19.6	17.5	18.5	20.0	17.5	18.7	9.3	6.5	7.6
13	23.3	21.1	22.2	19.5	17.3	18.4	21.0	18.4	19.7	6.5	5.6	6.2
14	23.9	21.8	22.7	20.2	17.8	18.8	20.7	19.0	19.9	7.1	4.8	6.0
15	24.4	22.1	23.1	20.0	18.4	19.2	20.3	19.0	19.8	8.6	6.7	7.3
16	25.0	22.4	23.6	19.8	19.1	19.4	19.9	16.8	19.1	9.8	7.7	8.6
17	25.9	23.5	24.6	21.0	19.7	20.3	16.8	14.9	15.9	7.7	5.1	6.5
18	25.2	22.0	24.3	21.9	20.7	21.2	15.5	10.3	12.8	7.6	5.7	6.8
19	22.0	20.4	21.3	22.9	21.7	22.1	10.3	7.2	8.6	8.9	6.2	7.5
20	22.1	20.7	21.5	23.2	22.1	22.7	9.4	6.2	7.7	10.1	7.8	8.9
21	23.2	21.3	22.1	24.2	22.8	23.4	9.5	7.3	8.5	11.9	9.0	10.4
22	23.0	20.7	22.3	23.7	21.2	22.2	11.0	9.1	10.2	13.8	10.5	12.4
23	20.7	18.8	19.9	21.7	20.6	21.2	13.0	10.5	11.8	15.5	12.5	14.5
24	20.4	19.2	19.8	22.3	20.9	21.6	14.0	11.8	13.2	16.9	14.6	15.8
25	21.2	20.2	20.7	21.4	16.1	19.1	12.6	10.6	11.4	17.9	16.4	17.0
26	23.4	21.2	22.3	16.1	12.8	14.1	12.4	11.0	11.8	16.7	15.0	16.1
27	25.2	22.9	24.0	12.9	11.7	12.4	13.8	12.2	13.2	18.6	16.2	17.3
28	26.5	23.6	25.0	13.9	11.7	12.8	15.5	13.5	14.5	18.6	14.9	17.4
29	26.5	24.7	25.6	14.8	13.2	14.0	16.4	14.8	15.7	15.1	13.4	14.1
30	26.7	25.1	25.9	17.0	14.7	15.9	18.6	16.0	17.2	14.7	13.4	13.9
31	27.3	25.5	26.3	---	---	---	19.8	17.9	18.6	14.9	12.8	14.3
MONTH	27.3	18.8	23.0	26.8	11.7	19.3	21.0	6.2	15.0	22.4	4.8	13.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	16.1	14.1	15.1	22.5	20.9	21.6	19.9	18.7	19.3	24.5	22.0	23.0
2	17.2	15.6	16.4	23.5	22.0	22.7	20.0	18.1	19.1	25.7	23.5	24.5
3	18.5	16.8	17.5	22.6	20.2	21.1	19.9	19.0	19.5	26.8	24.4	25.4
4	18.8	17.9	18.4	21.5	20.3	20.9	20.9	19.5	20.2	---	---	---
5	19.1	17.6	18.2	23.7	21.3	22.4	21.5	20.9	21.1	---	---	---
6	17.6	15.8	16.3	22.6	18.1	19.7	23.4	20.8	22.0	---	---	---
7	16.2	15.0	15.7	19.0	17.2	18.2	23.4	21.7	22.3	---	---	---
8	15.6	11.9	13.6	20.5	17.5	19.0	21.7	20.0	20.8	---	---	---
9	12.7	11.5	11.9	22.4	18.9	20.5	21.3	19.5	20.3	---	---	---
10	12.6	10.9	11.8	22.8	21.0	21.7	21.4	19.7	20.5	---	---	---
11	12.4	10.1	11.3	23.5	21.6	22.4	21.0	20.7	20.8	---	---	---
12	12.0	11.2	11.5	23.8	22.3	22.9	21.3	20.1	20.9	---	---	---
13	14.0	12.0	12.7	23.0	22.1	22.5	20.1	17.2	18.2	---	---	---
14	13.0	11.4	12.3	23.8	22.2	22.9	17.2	15.6	16.2	---	---	---
15	12.2	10.1	11.2	23.1	19.3	20.7	17.3	14.9	16.1	---	---	---
16	12.7	10.8	11.8	19.8	17.0	18.0	20.1	15.9	17.4	---	---	---
17	14.4	12.0	13.1	18.2	17.0	17.6	19.8	17.9	18.6	---	---	---
18	15.2	13.2	14.2	19.6	17.5	18.7	18.9	17.0	17.9	---	---	---
19	17.6	14.8	16.3	20.3	19.3	19.8	20.8	17.7	18.8	---	---	---
20	20.4	17.6	19.0	19.5	17.4	18.2	23.1	19.5	21.1	---	---	---
21	20.9	18.9	20.0	19.3	16.4	17.9	23.6	21.2	22.4	---	---	---
22	20.4	18.0	18.9	20.8	18.2	19.4	23.8	22.7	23.1	28.9	27.0	27.8
23	18.0	14.9	16.4	22.0	19.7	20.6	23.6	21.0	22.2	29.5	26.9	27.9
24	15.0	14.2	14.7	22.4	20.0	21.2	22.1	20.6	21.4	28.1	26.2	27.3
25	15.0	14.3	14.6	23.5	21.3	22.1	20.6	19.3	19.8	27.4	24.6	25.9
26	18.5	15.0	16.5	23.8	22.5	23.1	19.4	18.2	18.6	29.0	26.1	27.1
27	18.6	17.5	18.1	23.9	22.3	23.1	20.7	18.8	19.6	29.1	27.1	27.9
28	21.0	18.2	19.8	24.4	23.0	23.6	20.0	18.6	19.2	30.3	28.0	28.7
29	---	---	---	25.3	23.6	24.3	20.6	17.9	19.2	28.5	26.6	27.4
30	---	---	---	25.0	23.4	24.4	22.5	20.2	21.2	28.1	26.0	26.9
31	---	---	---	23.4	18.9	20.3	---	---	---	30.3	26.2	27.3
MONTH	21.0	10.1	15.3	25.3	16.4	21.0	23.8	14.9	19.9	---	---	---

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	28.2	24.8	26.2	31.7	29.1	30.2	30.1	28.7	29.7	31.5	29.4	30.4
2	27.6	25.6	26.7	31.8	29.4	30.7	30.7	27.9	29.0	32.2	30.2	31.0
3	29.4	26.0	27.2	32.7	29.9	31.1	---	---	---	31.5	29.1	30.4
4	29.1	26.2	27.3	33.5	30.4	31.7	30.9	29.6	30.1	31.3	29.2	30.4
5	28.8	26.6	27.6	32.2	30.1	31.3	31.8	29.1	30.3	30.6	28.0	29.3
6	28.7	26.9	27.6	31.7	29.2	30.1	30.9	29.6	30.2	29.4	27.8	28.8
7	28.0	27.0	27.5	31.4	29.0	30.0	31.6	29.2	30.1	29.6	27.8	28.5
8	29.0	26.5	27.6	30.3	29.5	29.9	30.6	29.0	29.9	29.7	28.0	28.8
9	29.1	26.9	28.0	30.8	28.8	29.6	30.9	28.8	29.9	30.2	28.2	29.3
10	29.2	27.2	28.1	31.6	29.1	30.3	31.0	30.0	30.6	30.7	29.1	29.8
11	29.9	27.0	28.3	32.8	30.1	31.3	31.4	30.3	30.6	30.3	28.5	29.5
12	30.2	28.6	29.3	32.8	30.6	31.5	---	---	---	30.2	28.3	29.1
13	30.8	28.6	29.6	32.4	30.0	31.1	---	---	---	30.4	28.4	29.5
14	30.8	29.0	29.8	31.6	29.4	30.4	---	---	---	31.6	29.2	30.1
15	31.6	29.2	30.1	31.5	29.5	30.4	32.6	30.6	31.5	31.2	29.6	30.3
16	31.6	29.5	30.6	31.3	29.5	30.3	32.7	30.5	31.5	31.4	29.9	30.6
17	30.8	28.9	30.0	29.5	27.0	28.4	32.9	30.5	31.4	31.9	29.7	30.7
18	28.9	27.4	28.2	28.4	26.2	27.4	33.3	30.9	31.9	31.0	29.4	30.4
19	28.2	27.1	27.5	30.2	27.5	28.7	---	---	---	30.7	28.8	29.8
20	29.9	27.1	28.0	31.3	28.7	29.8	---	---	---	30.3	28.3	29.2
21	30.5	28.1	29.0	31.8	29.2	30.1	32.6	30.1	31.4	30.0	28.5	29.2
22	31.1	28.5	29.4	31.1	29.6	30.3	31.8	29.4	30.7	30.1	28.5	29.4
23	31.8	28.9	29.9	30.6	29.3	30.0	30.8	28.8	29.7	29.2	28.0	28.4
24	31.0	29.0	29.7	31.7	28.9	30.2	29.5	27.3	28.6	28.2	27.5	27.8
25	30.1	28.5	29.4	32.7	29.5	31.0	29.4	27.1	28.5	27.7	25.3	26.8
26	30.4	28.5	29.3	33.2	30.2	31.5	30.2	28.5	29.2	26.8	24.4	25.5
27	29.6	28.6	29.1	31.9	30.3	30.9	30.6	28.6	29.6	27.0	24.5	25.7
28	30.2	28.4	29.2	32.1	30.4	31.1	31.0	28.9	30.1	28.0	25.5	26.6
29	30.6	29.0	29.7	32.1	30.0	30.9	31.6	29.3	30.4	28.6	25.9	27.0
30	30.8	29.0	29.7	31.9	29.5	30.4	31.9	30.1	30.9	28.8	26.3	27.5
31	---	---	---	---	---	---	32.7	30.8	31.3	---	---	---
MONTH	31.8	24.8	28.7	33.5	26.2	30.4	33.3	27.1	30.3	32.2	24.4	29.0

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 velocity record: Nov. 2-11, Dec. 17-24, Apr. 1-13, 20, May 19, Sept. 27-28. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 5,170 ft³/s, Feb. 19, 1988, maximum elevation 12.11 ft, Oct. 27, 1983; maximum negative discharge, -280 ft³/s, June 16, 1985, no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 1,880 ft³/s, Oct. 27, elevation, 10.78 ft; maximum elevation, 11.06 ft, Apr. 29; maximum negative daily discharge, -2.8 ft³/s, Sept. 7, minimum elevation, 0.39 ft, Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	1130	15	433	1070	1380	552	1670	556	102	34	2.8
2	106	1060	18	257	923	1310	343	1630	364	56	19	.40
3	---	915	19	190	800	1190	179	1600	176	41	10	3.2
4	---	863	14	152	693	705	130	1590	97	35	9.6	.73
5	---	730	18	129	623	758	540	1470	76	33	3.3	1.4
6	---	599	30	103	416	674	949	1430	66	58	9.9	.18
7	---	530	20	265	239	661	864	1330	77	305	3.3	-2.8
8	112	598	13	781	186	543	824	1310	120	255	9.0	.75
9	107	473	6.6	751	160	433	680	1290	371	283	63	-1.5
10	106	268	.35	498	169	342	584	1190	443	832	47	.76
11	105	81	-1.5	292	397	141	494	1090	280	589	20	.99
12	113	36	-1.2	155	556	96	549	848	147	289	22	1.2
13	106	24	.36	164	1340	187	578	651	92	175	23	-.44
14	111	20	5.9	199	1500	350	518	467	77	445	14	-.10
15	112	11	5.3	241	1320	232	299	392	65	342	12	-.12
16	110	.97	518	790	1270	151	110	395	61	194	6.0	-1.4
17	113	17	1140	705	1170	300	68	368	112	133	12	-1.1
18	304	13	1160	436	1010	316	57	149	569	92	9.1	-1.3
19	378	107	1040	220	868	189	58	105	703	64	5.2	-1.1
20	108	79	863	122	712	386	54	294	660	55	7.9	-.73
21	19	11	604	100	778	642	66	413	520	47	13	-.24
22	5.0	5.7	380	253	1140	484	56	393	253	44	7.7	1.8
23	4.8	5.4	178	953	1070	324	45	193	96	41	5.0	15
24	2.8	7.5	116	1110	1070	192	40	197	104	195	2.2	5.4
25	852	15	91	981	1610	137	30	613	89	187	2.5	.59
26	1600	19	74	688	1610	181	227	536	125	56	1.8	2.2
27	1880	14	126	426	1610	377	1290	425	105	18	1.4	2.3
28	1450	9.7	215	967	1660	443	1660	213	92	4.3	1.1	-.84
29	1320	6.0	299	1340	---	375	1740	246	217	10	1.5	-.96
30	1100	3.1	675	1280	---	328	1730	212	177	47	1.6	.22
31	1140	---	576	1210	---	790	---	501	---	38	2.5	---
TOTAL	---	7651.37	8217.81	16191	25970	14617	15314	23211	6890	5065.3	379.6	27.29
MEAN	---	255	265	522	928	472	510	749	230	163	12.2	.91

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.21	9.38	1.86	4.68	8.25	10.23	5.88	10.77	5.87	3.40	1.64	1.27
2	1.84	9.06	1.94	3.82	7.60	9.92	4.63	10.48	4.58	3.18	1.52	1.23
3	1.77	8.68	1.87	3.34	6.82	9.59	3.78	10.60	3.30	3.00	1.46	1.16
4	1.65	8.19	1.82	3.11	6.18	9.23	3.63	10.66	2.81	2.86	1.44	1.03
5	1.62	7.52	1.79	2.89	5.90	8.79	6.59	10.45	2.57	2.72	1.48	.86
6	1.90	6.73	1.83	2.69	4.88	8.17	9.22	10.16	2.43	2.65	1.37	.79
7	2.09	6.17	1.83	3.63	3.95	7.38	8.81	9.85	2.39	3.58	1.37	.98
8	1.94	6.70	1.76	7.04	3.55	6.57	8.12	9.53	2.51	3.31	1.49	1.11
9	1.87	6.23	1.71	7.22	3.36	5.89	7.32	9.18	3.71	3.25	1.65	1.07
10	1.87	4.76	1.71	5.95	3.23	5.35	6.51	8.75	4.28	5.83	1.63	1.21
11	1.81	3.35	1.74	4.56	4.03	4.27	5.99	8.20	3.54	5.12	1.59	1.29
12	1.76	2.81	1.75	3.58	4.76	3.82	7.11	7.49	2.70	3.62	1.45	1.11
13	1.75	2.68	1.70	3.52	9.24	4.29	7.34	6.69	2.42	2.95	1.29	.98
14	1.82	2.50	1.69	3.63	9.89	4.98	6.56	5.97	2.29	3.68	1.13	.90
15	1.80	2.33	1.74	3.68	9.68	4.41	5.56	5.49	2.22	3.48	1.06	.88
16	1.74	2.16	4.04	6.48	9.36	3.92	4.76	5.24	2.19	2.82	1.16	.89
17	1.80	2.13	8.36	6.67	8.97	4.33	4.48	4.92	3.32	2.55	1.35	.94
18	2.81	2.03	8.50	5.19	8.48	4.51	4.31	3.84	7.16	2.32	1.34	.90
19	3.86	2.50	8.13	3.77	7.81	3.99	4.16	3.46	7.40	2.13	1.23	.96
20	2.35	2.29	7.50	3.03	7.03	4.66	4.01	4.06	6.68	1.92	1.21	1.03
21	1.61	1.90	6.22	2.74	7.54	6.17	3.88	4.39	5.98	1.71	1.30	1.00
22	1.50	1.80	4.75	3.15	8.94	5.51	3.73	4.73	4.87	1.51	1.17	1.04
23	1.54	1.77	3.37	6.69	8.80	4.56	3.59	4.02	4.25	1.34	1.04	1.10
24	1.45	1.77	2.70	7.63	8.73	3.93	3.46	3.81	4.11	1.68	.98	1.18
25	6.18	1.90	2.48	7.38	10.20	3.66	3.34	6.21	3.98	1.81	.97	1.20
26	10.44	1.89	2.36	6.13	10.73	3.89	4.12	6.12	3.91	1.21	1.01	1.00
27	10.78	1.78	2.52	4.53	10.69	4.53	8.34	5.38	3.74	1.07	1.06	.65
28	10.61	1.70	3.04	6.67	10.50	4.84	10.83	4.22	3.60	.98	1.12	.42
29	10.34	1.64	3.53	9.22	---	4.61	11.04	3.95	3.85	1.02	1.27	.54
30	10.04	1.70	6.01	9.07	---	4.12	10.97	3.79	3.74	1.19	1.28	.63
31	9.71	---	5.67	8.72	---	6.62	---	4.96	---	1.36	1.30	---
MAX	10.78	9.38	8.50	9.22	10.73	10.23	11.04	10.77	7.40	5.83	1.65	1.29
MIN	1.45	1.64	1.69	2.69	3.23	3.66	3.34	3.46	2.19	.98	.97	.42

MISSISSIPPI RIVER DELTA

091294300 PIPELINE CANAL 7.8 MILES NORTH OF CHARENTON, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.92	---	---	11.05	8.54	11.38	15.18	12.40	8.78	10.82	---	---
2	5.11	---	---	11.01	8.68	11.44	15.15	12.28	8.66	10.80	---	---
3	5.30	---	---	10.95	8.83	11.49	15.14	12.23	8.58	10.77	---	---
4	5.37	---	---	10.85	9.06	11.51	15.14	12.13	8.56	10.68	---	---
5	5.49	---	---	10.73	9.30	11.62	15.26	12.04	8.63	10.54	---	---
6	---	---	---	10.59	9.51	11.78	15.20	11.96	8.72	10.42	---	---
7	5.51	---	---	10.47	9.77	11.95	15.05	11.87	8.82	10.39	---	---
8	5.73	---	---	10.36	10.03	12.14	14.95	11.77	8.95	10.29	---	---
9	5.89	---	---	10.24	10.26	12.41	14.87	11.68	9.11	10.17	---	---
10	5.94	---	---	10.11	10.48	12.74	14.78	11.58	9.25	10.02	---	---
11	5.79	---	---	10.01	10.56	13.09	14.72	11.47	9.51	9.82	---	---
12	5.75	---	10.50	9.91	10.64	13.40	14.67	11.36	9.66	9.53	---	---
13	5.66	---	10.58	9.80	10.94	13.72	14.52	11.29	9.78	9.31	---	---
14	5.57	---	10.67	9.67	11.11	13.87	14.40	11.29	9.92	9.20	---	---
15	5.55	---	10.76	9.60	11.21	13.97	14.28	11.28	10.01	8.97	---	---
16	5.43	---	10.90	9.55	11.29	14.12	14.11	11.24	10.06	8.67	---	---
17	5.32	---	10.98	9.39	11.35	14.29	13.93	11.15	10.35	8.29	---	---
18	5.10	---	11.06	9.26	11.42	14.48	13.75	11.06	10.77	7.93	---	---
19	4.75	---	11.07	9.13	11.49	14.67	13.56	10.94	10.85	7.66	---	---
20	4.52	---	11.07	8.99	11.52	14.78	13.39	10.89	10.86	7.35	---	---
21	4.42	---	11.06	8.82	11.57	14.89	13.19	10.78	10.84	7.07	---	---
22	4.40	---	11.08	8.69	11.52	14.99	12.99	10.76	10.83	---	---	---
23	4.17	---	11.09	8.51	11.40	15.07	12.80	10.63	10.79	---	---	---
24	4.03	---	11.09	8.38	11.31	15.14	12.64	10.46	10.75	6.02	---	---
25	---	---	11.07	8.15	11.31	15.18	12.48	10.33	10.79	5.78	---	---
26	---	---	11.07	7.97	11.32	15.22	12.45	10.11	10.84	5.56	---	---
27	---	---	11.14	7.93	11.35	15.27	12.56	9.84	10.83	---	---	---
28	---	---	11.13	8.09	11.33	15.31	12.60	9.56	10.86	---	---	---
29	---	---	11.17	8.17	---	15.32	12.52	9.34	10.87	---	---	---
30	---	---	11.17	8.31	---	15.30	12.46	9.13	10.87	---	---	---
31	---	---	11.11	8.43	---	15.24	---	8.95	---	---	---	---
MAX	---	---	---	11.05	11.57	15.32	15.26	12.40	10.87	---	---	---
MIN	---	---	---	7.93	8.54	11.38	12.45	8.95	8.56	---	---	---

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi above mouth, 5.5 mi west of Old River Control Structure, and 5.6 mi west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to current year.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 02600.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons Apr. 6, 1978; minimum daily 0.0 tons Nov. 18-30, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
APR					
01...	1015	411000	218	242000	58
22...	1100	228000	185	114000	98
MAY					
06...	1000	141000	226	86000	81
20...	1200	165000	211	94000	99
JUN					
10...	1100	235000	399	253000	92

MISSISSIPPI RIVER DELTA
07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA
WATER-QUALITY RECORDS

LOCATION.--Lat 30°58'57", long 91°47'54" in NE 1/4 SW 1/4 sec. 7, T. 1 S., R. 7 E., Louisiana meridian, Avoyelles Parish, Hydrologic Unit 08080101, near right bank on downstream side of Kansas City Southern Railway Co. bridge, 0.4 mi east of town of Simmesport, 0.5 mi upstream from State Highway 1, and 4.9 mi downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--Approximately 87,570 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1978 to September 1979, discontinued.

WATER TEMPERATURES: December 1975 to September 1976, October 1977 to September 1984, May 1990 to August 1992, discontinued.

CHLORIDE: October 1974 to September 1984, May 1990 to August 1992, discontinued.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 03045.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 627 micromhos Nov. 17, 1978; minimum daily, 179 micromhos Feb. 21, 1979.

WATER TEMPERATURES: Maximum daily, 32.0 °C July 23, 1981; minimum daily, 2.0 °C Jan. 18-20, Feb. 3, 6, 7, 1978, Jan. 15, 1979, Jan. 14, 1982.

CHLORIDE: Maximum daily, 150 mg/L June 9, 13, 14, 1977; minimum daily, 9.1 mg/L May 14, 1991.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,240,000 tons Dec. 15, 1982; minimum daily, 2,000 tons Oct. 3-5, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
09...	1000	180000	202	98300	88
NOV					
20...	1100	283000	294	225000	76
DEC					
04...	1130	345000	581	541000	78
18...	1100	397000	310	333000	71
JAN					
16...	1100	283000	187	143000	77
30...	1100	290000	422	331000	72
FEB					
13...	1100	400000	301	325000	69
26...	1100	359000	681	660000	66
MAR					
11...	1100	504000	---	---	---
18...	1130	583000	292	460000	58
27...	1600	616000	209	348000	52
APR					
09...	1100	593000	180	288000	59
28...	1100	421000	146	166000	68
MAY					
07...	1100	368000	351	349000	64
21...	1100	314000	241	204000	74
JUN					
04...	1100	273000	270	199000	84
18...	1030	383000	209	216000	78
JUL					
02...	1100	365000	185	182000	86

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW 1/4 NW 1/4 sec. 26, T. 4 S., R. 7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080101, at bridge on Texas and Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 mi².

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1979 to September 1981.

WATER TEMPERATURES: May 1979 to September 1981.

REMARKS.--All dissolved constituents are results from water that has be filtered through Gelmar capsule filters.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 632 micromhos Oct. 8, 1981; minimum daily, 207 micromhos May 21, 1980.

WATER TEMPERATURES: Maximum daily, 32.0 °C July 23, 24, 1981; minimum daily, 5.5 °C Feb. 7, 1980, Jan. 22, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 5.0 °C was observed on Jan. 30, 1985. A specific conductance of 177 microsiemens was observed on Feb. 1, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)
NOV 1996												
22...	1025	270000	321	8.00	11.0	30	73	<1	--	--	--	190
JAN 1997												
16...	1030	274000	313	7.21	8.0	60	51	<1	10.4	19	1.0	1300
29...	1100	260000	315	7.64	7.5	100	160	<1	10.6	--	1.2	1600
FEB												
19...	1030	372000	248	7.47	7.5	80	90	<1	9.1	--	1.1	800
MAR												
13...	1025	510000	288	7.66	13.5	30	97	<1	8.8	21	1.5	600
27...	0935	542000	256	8.27	14.0	30	50	<1	9.1	--	1.8	520
APR												
07...	1130	521000	274	7.82	15.5	20	32	<1	7.8	--	1.2	210
23...	1030	417000	272	7.56	17.0	30	38		7.7	--	0.5	210
MAY												
05...	1030	370000	263	7.63	17.0	60	71	<1	7.3	17	--	K120
JUN												
06...	1030	279000	410	7.86	23.5	40	52	<1	6.5	--	1.1	K130
23...	1220	359000	442	7.78	25.5	30	40	<1	6.4	--	0.9	900
JUL												
08...	1330	323000	359	7.94	29.0	10	30	<1	6.0	--	0.9	K97
31...	1130	157000	534	8.17	32.0	10	13	<1	7.0	--	1.3	130
SEP												
05...	1100	125000	515	8.32	28.5	0	10	<1	8.9	--	0.6	K54
18...	1200	99100	512	8.00	27.5	5	5.8	<1	8.0	--	0.4	K20

< 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 1996 TO SEPTEMBER 1997

DATE	COLI-FORM, FECAL, 0.7 μ M-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CaCO ₃) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO ₃) (00410)	SULFATE DIS-SOLVED (MG/L AS SO ₄) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV 1996											
22...	K53	120	110	29	8.2	19	3.4	82	41	20	0.12
JAN 1997											
16...	240	400	100	28	8.0	17	2.7	71	35	22	0.13
29...	<4	2700	92	25	7.1	15	2.7	68	29	18	0.14
FEB											
19...	140	35	81	22	6.1	15	2.4	54	27	19	0.11
MAR											
13...	K69	100	93	26	6.7	18	2.9	69	32	24	<0.10
27...	73	150	90	25	6.6	11	2.6	74	24	13	0.12
APR											
07...	K50	K42	98	27	7.4	12	2.5	72	31	15	0.15
23...	40	34	100	27	7.8	15	2.5	76	30	17	0.12
MAY											
05...	50	K37	86	23	6.7	16	2.9	60	30	19	0.12
JUN											
06...	K22	K32	130	35	11	26	3.3	78	60	32	0.15
23...	K30	42	130	36	11	24	3.3	91	57	32	0.18
JUL											
08...	K10	K16	120	33	9.8	19	3.2	92	45	20	0.16
31...	<2	K1	180	46	15	34	3.6	130	--	--	--
SEP											
05...	K7	K5	170	44	15	36	3.7	129	75	34	0.24
18...	K5	K2	180	46	16	29	3.8	134	77	19	0.23
DATE	SILICA, DIS-SOLVED (MG/L AS SiO ₂) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO ₂ +NO ₃ DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV 1996											
22...	6.0	180	177	0.022	0.590	0.018	0.49	0.29	0.23	0.05	0.05
JAN 1997											
16...	6.7	186	169	0.020	0.817	0.034	0.71	0.31	0.17	0.02	0.04
29...	6.9	152	148	0.028	0.751	0.054	0.75	0.29	0.23	0.06	0.04
FEB											
19...	6.2	153	135	0.029	0.678	0.044	0.58	0.36	0.13	0.03	0.02
MAR											
13...	5.7	168	161	0.024	0.751	0.032	0.47	0.30	0.06	<0.01	0.03
27...	6.1	143	139	0.019	1.00	<0.015	0.49	<0.20	0.26	0.04	0.03
APR											
07...	5.6	163	148	0.014	0.941	0.030	0.42	0.24	0.11	0.02	0.04
23...	5.7	167	151	0.013	0.905	<0.015	0.68	0.39	0.26	0.04	0.04
MAY											
05...	5.5	167	146	0.020	0.654	0.026	0.71	0.31	0.22	0.03	0.04
JUN											
06...	4.3	247	221	<0.010	0.817	<0.015	0.61	0.26	0.21	0.03	0.04
23...	5.2	250	229	<0.010	1.47	<0.015	0.37	<0.20	0.11	0.05	0.06
JUL											
08...	5.2	221	196	<0.010	1.12	<0.015	0.46	0.22	0.15	0.05	0.07
31...	5.8	--	--	0.013	1.23	0.016	--	<0.20	--	--	0.08
SEP											
05...	1.3	307	290	<0.010	0.607	<0.015	0.53	<0.20	0.10	0.03	0.04
18...	5.5	291	281	0.012	0.752	<0.015	0.27	<0.20	0.06	0.04	0.06

< 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)

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

					RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)			
					JAN 1997 16...	160	--	--	--	--		
					MAR 13...	180	0.020	0.81	0.03	0.08		
					MAY 05...	150	0.015	0.82	0.02	0.07		
DATE	ALUM- INUM, DIS- SOLVED (µG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (µG/L AS SB) (01095)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	BARIUM, DIS- SOLVED (µG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE) (01010)	BORON, DIS- SOLVED (µG/L AS B) (01020)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	COBALT, DIS- SOLVED (µG/L AS CO) (01035)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)
NOV 1996												
22...	2.5	<1.0	1	52	<1.0	42	<1.0	<1.0	<1.0	<1.0	15	<1.0
JAN 1997												
16...	6.3	<1.0	<1	49	<1.0	34	<1.0	<1.0	<1.0	2.1	40	<1.0
29...	<0.30	<0.20	<1	<0.20	<0.20	26	<0.30	<0.20	<0.20	<0.20	59	<0.30
FEB												
19...	43	<1.0	<1	44	<1.0	26	<1.0	<1.0	<1.0	1.7	120	<1.0
MAR												
13...	4.2	<1.0	<1	52	<0.50	28	<1.0	<1.0	<1.0	1.2	26	<1.0
27...	4.1	<1.0	<1	50	<1.0	23	<1.0	<1.0	<1.0	1.6	38	<1.0
APR												
07...	5.4	<1.0	1	50	<1.0	25	<1.0	1.4	<1.0	1.3	35	<1.0
23...	5.3	<1.0	<1	52	<1.0	29	<1.0	1.9	<1.0	1.5	68	<1.0
MAY												
05...	12	<1.0	<1	58	<0.50	31	<1.0	<1.0	<1.0	2.9	54	<1.0
JUN												
06...	4.6	<1.0	1	67	<1.0	42	<1.0	<1.0	<1.0	1.9	20	<1.0
23...	3.9	<1.0	1	65	<1.0	36	<1.0	<1.0	<1.0	1.8	3.0	<1.0
JUL												
08...	2.2	<1.0	1	56	<1.0	40	<1.0	2.1	<1.0	1.8	5.2	<1.0
31...	3.5	<1.0	2	77	<1.0	56	<1.0	2.6	<1.0	1.5	<3.0	<1.0
SEP												
05...	6.1	<1.0	2	68	<1.0	68	<1.0	1.9	<1.0	1.9	<3.0	<1.0
18...	3.8	<1.0	2	75	<1.0	72	<1.0	1.2	<1.0	2.7	<3.0	<1.0
DATE	LITHIUM DIS- SOLVED (µG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO) (01060)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (µG/L AS SE) (01145)	SILVER, DIS- SOLVED (µG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (µG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (µG/L AS V) (01085)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (µG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
NOV 1996												
22...	5	<1.0	1.5	1.4	<1	<1.0	163	<6	<1.0	<1.0	4.7	2.0
JAN 1997												
16...	<4	8.1	<1.0	1.9	<1	<1.0	158	<1	11	<1.0	4.8	2.0
29...	<4	<0.10	<0.20	<0.50	<1	<0.20	137	<6	<0.50	<0.20	3.1	2.4
FEB												
19...	<4	11	<1.0	1.1	<1	<1.0	130	<6	1.5	<1.0	5.2	4.4
MAR												
13...	<4	8.7	<1.0	1.4	<1	<1.0	148	<1	1.3	<1.0	4.6	2.0
27...	<4	16	<1.0	1.2	<1	<1.0	119	<6	1.3	<1.0	4.2	1.1
APR												
07...	<4	11	<1.0	1.2	<1	<1.0	136	<6	3.7	<1.0	4.5	1.0
23...	5	20	<1.0	1.8	<1	<1.0	144	<6	1.6	<1.0	5.8	2.4
MAY												
05...	<4	76	<1.0	1.7	<1	<1.0	145	1	5.6	<1.0	5.6	1.8
JUN												
06...	11	1.2	1.5	1.0	<1	<1.0	218	<6	1.1	1.2	4.7	1.9
23...	8	<1.0	1.5	1.5	<1	<1.0	217	<6	<1.0	1.0	4.0	1.2
JUL												
08...	7	<1.0	1.5	<1.0	<1	<1.0	171	<6	<1.0	<1.0	3.9	1.4
31...	13	<1.0	2.1	1.6	<1	<1.0	278	<6	<1.0	1.9	3.4	0.90
SEP												
05...	14	<1.0	3.1	1.8	<1	<1.0	273	<6	2.0	1.6	3.6	0.70
18...	17	1.0	2.5	2.2	1	<1.0	248	<6	1.5	2.0	--	0.60

< 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 1996 TO SEPTEMBER 1997

		ARSENIC TOTAL (μG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (μG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (μG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (μG/L AS CR) (01034)	CHRO- MIUM, HEXA- VALENT, DIS. (μG/L AS CR) (01032)	COPPER, TOTAL RECOV- ERABLE (μG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (μG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (μG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (μG/L AS MN) (01055)	
DATE											
JAN 1997											
16...		1	<0.5	<1	3	<1	4	2900	2	120	
MAR											
13...		2	<0.5	<1	6	<5	7	6300	6	200	
MAY											
05...		3	<0.5	<1	3	<5	5	5000	4	190	
DATE		MERCURY TOTAL RECOV- ERABLE (μG/L AS HG) (71900)	MERCURY DIS- SOLVED (μG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (μG/L AS NI) (01067)	SELE- NIUM, TOTAL (μG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (μG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (μG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)	
JAN 1997											
16...		<0.1	<0.1	4	<1	10	7.8	<0.01	1	6	
MAR											
13...		<0.1	<0.1	8	<1	30	8.8	--	9	1	
MAY											
05...		<0.1	<0.1	6	<1	20	8.8	<0.01	<1	<1	
					DEETHYL						
DATE	PROP- CHLOR, WATER, DISS, REC (μG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (μG/L) (04028)	SI- MAZINE, WATER, DISS, REC (μG/L) (04035)	PRO- METON, WATER, DISS, REC (μG/L) (04037)	ATRA- ZINE, WATER, DISS, REC (μG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (μG/L) (04041)	FONOFOS WATER DISS REC (μG/L) (04095)	ALPHA BHC DIS- SOLVED (μG/L) (34253)	P,P' DDE DISSOLV (μG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (μG/L) (38933)	LINDANE DIS- SOLVED (μG/L) (39341)
NOV 1996											
22...	<0.007	<0.002	0.016	E0.003	E0.009	0.009	<0.003	<0.002	<0.006	<0.004	<0.004
JAN 1997											
16...	<0.007	<0.002	E0.030	<0.018	E0.041	E0.039	<0.003	<0.002	<0.006	<0.004	<0.004
29...	<0.007	<0.002	0.010	<0.018	E0.011	0.010	<0.003	<0.002	<0.006	<0.004	<0.004
FEB											
19...	<0.007	<0.002	0.012	<0.018	E0.009	0.012	<0.003	<0.002	<0.006	<0.004	<0.004
MAR											
13...	<0.007	<0.002	0.018	E0.006	E0.019	0.049	<0.003	<0.002	<0.006	<0.004	<0.004
27...	<0.007	<0.002	0.013	<0.018	E0.018	0.049	<0.003	<0.002	<0.006	<0.004	<0.004
APR											
07...	<0.007	<0.002	0.015	<0.018	E0.020	0.054	<0.003	<0.002	<0.006	<0.004	<0.004
23...	<0.007	<0.002	0.030	<0.018	E0.021	0.073	<0.003	<0.002	<0.006	<0.004	<0.004
MAY											
05...	<0.007	<0.002	0.032	<0.018	E0.051	0.132	<0.003	<0.002	<0.006	0.006	<0.004
JUN											
06...	<0.007	<0.002	0.057	E0.008	E0.060	0.165	<0.003	<0.002	E0.002	<0.004	<0.004
23...	<0.007	<0.002	0.248	E0.011	E0.133	0.462	<0.003	<0.002	<0.006	0.010	<0.004
JUL											
08...	<0.007	<0.002	0.086	E0.012	E0.085	0.242	<0.003	<0.002	<0.006	<0.004	<0.004
31...	<0.007	<0.002	0.033	E0.011	E0.048	0.096	<0.003	<0.002	<0.006	<0.004	<0.004
SEP											
05...	<0.007	<0.002	0.030	E0.017	E0.047	0.064	<0.003	<0.002	<0.006	<0.004	<0.004
18...	<0.007	<0.002	0.016	E0.016	E0.018	0.018	<0.003	<0.002	E0.002	0.005	<0.004

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

E Estimated.

MISSISSIPPI RIVER DELTA
07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	DI- ELDRIN DIS- SOLVED (μG/L) (39381)	METO- LACHLOR WATER DISSOLV (μG/L) (39415)	MALA- THION, DIS- SOLVED (μG/L) (39532)	PARA- THION, DIS- SOLVED (μG/L) (39542)	DI- AZINON, DIS- SOLVED (μG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (μG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (μG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (μG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (μG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (μG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (μG/L) (82661)
NOV 1996											
22...	<0.001	0.028	<0.005	<0.004	<0.002	0.104	E0.004	<0.002	<0.004	<0.003	E0.001
JAN 1997											
16...	<0.001	0.034	<0.005	<0.004	<0.002	0.079	0.008	<0.002	<0.004	<0.003	<0.002
29...	<0.001	0.027	<0.005	<0.004	<0.002	0.050	<0.002	0.005	<0.004	<0.003	<0.002
FEB											
19...	<0.001	0.039	<0.005	<0.004	<0.002	0.069	<0.002	<0.002	<0.004	<0.003	<0.002
MAR											
13...	<0.001	0.060	<0.005	<0.004	<0.002	0.084	0.004	<0.002	<0.004	<0.003	<0.002
27...	<0.001	0.063	<0.005	<0.004	<0.002	0.074	E0.004	0.006	<0.004	<0.003	0.004
APR											
07...	<0.001	0.091	<0.005	<0.004	<0.002	0.085	0.005	<0.002	<0.004	<0.003	E0.004
23...	<0.001	0.220	<0.005	<0.004	0.005	0.472	0.027	0.053	<0.004	<0.003	<0.002
MAY											
05...	<0.001	0.436	<0.005	<0.004	0.007	1.56	0.023	0.036	0.034	<0.003	0.005
JUN											
06...	<0.001	0.807	<0.005	<0.004	E0.003	1.16	0.052	0.102	0.073	<0.003	0.005
23...	<0.001	1.42	<0.005	<0.004	E0.004	2.89	0.089	0.317	0.061	<0.003	E0.003
JUL											
08...	<0.001	0.521	<0.005	<0.004	<0.002	1.29	0.027	0.059	0.024	<0.003	E0.004
31...	<0.001	0.235	<0.005	<0.004	<0.002	0.610	0.009	0.017	0.007	<0.003	<0.002
SEP											
05...	<0.001	0.116	<0.005	<0.004	<0.002	0.368	0.005	<0.002	<0.004	<0.003	<0.002
18...	0.010	0.091	<0.005	<0.004	<0.002	0.226	<0.002	<0.002	<0.004	<0.003	<0.002

DATE	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (μG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (μG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (μG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (μG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (μG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (μG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (μG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (μG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (μG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (μG/L) (82672)
NOV 1996										
22...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.006	<0.004	<0.003
JAN 1997										
16...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.015	<0.004	<0.003
29...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.007	<0.004	<0.003
FEB										
19...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003
MAR										
13...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.012	<0.004	<0.003
27...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.018	<0.004	<0.003
APR										
07...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.006	<0.004	<0.003
23...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.009	<0.004	<0.003
MAY										
05...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.016	<0.004	<0.003
JUN										
06...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.008	0.075	<0.003
23...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.011	0.054	<0.003
JUL										
08...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.015	0.109	<0.003
31...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.012	0.034	<0.003
SEP										
05...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.011	0.010	<0.003
18...	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.009	<0.004	<0.003

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (μG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (μG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (μG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (μG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (μG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (μG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (μG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (μG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (μG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (μG/L) (82682)
NOV 1996										
22...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
JAN 1997										
16...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
29...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
FEB										
19...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
MAR										
13...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	--
27...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	E0.005	<0.002	<0.002
APR										
07...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
23...	<0.002	<0.020	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
MAY										
05...	<0.002	E0.050	<0.013	<0.003	<0.017	<0.001	<0.004	E0.004	<0.002	<0.002
JUN										
06...	<0.002	E0.028	<0.013	<0.003	<0.017	<0.001	E0.003	E0.008	0.006	E0.001
23...	<0.002	E0.008	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	E0.002	<0.002
JUL										
08...	<0.002	E0.008	<0.013	<0.003	<0.017	<0.001	0.009	<0.003	<0.002	<0.002
31...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
SEP										
05...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
18...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002
DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (μG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (μG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (μG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (μG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (μG/L) (82687)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (μG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (μG/L) (70954)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1996										
22...	<0.004	<0.003	<0.013	<0.001	<0.005	0.400	<0.10	279	203000	86
JAN 1997										
16...	<0.004	<0.003	<0.013	<0.001	<0.005	<0.10	<0.10	140	104000	96
29...	<0.004	<0.003	<0.013	<0.001	<0.005	0.26	<0.10	354	249000	89
FEB										
19...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.29	<0.10	420	422000	62
MAR										
13...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.08	<0.10	381	525000	62
27...	<0.004	<0.003	<0.013	<0.001	<0.005	0.26	<0.10	237	347000	45
APR										
07...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.06	<0.10	179	252000	44
23...	<0.004	<0.003	<0.013	<0.001	<0.005	E0.22	<0.10	287	323000	69
MAY										
05...	0.009	<0.003	<0.013	<0.001	<0.005	0.52	<0.10	314	314000	76
JUN										
06...	0.011	<0.003	<0.013	<0.001	<0.005	2.1	E0.09	150	113000	99
23...	<0.004	<0.003	<0.013	<0.001	<0.005	0.98	E0.05	95	92000	95
JUL										
08...	<0.004	<0.003	<0.013	<0.001	<0.005	1.2	<0.10	80	70000	95
31...	<0.004	<0.003	<0.013	<0.001	<0.005	5.3	<0.10	35	15000	93
SEP										
05...	<0.004	<0.003	<0.013	<0.001	<0.005	10	<0.10	24	8100	94
18...	<0.004	<0.003	<0.013	<0.001	<0.005	E1.1	<0.10	18	4800	95

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

MISSISSIPPI RIVER DELTA
07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TRI- FLUR- ALIN, WATER, DISS, REC (μG/L) (04023)	HEXA- ZINONE, WATER, DISS, REC (μG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (μG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (μG/L) (04027)	BRO- MACIL, WATER, DISS, REC (μG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (μG/L) (04030)	SI- CLOATE, WATER, DISS, REC (μG/L) (04031)	TER- BACIL, WATER, DISS, REC (μG/L) (04032)	DIPHEN- AMID, WATER, DISS, REC (μG/L) (04033)	VERNO- LATE, WATER, DISS, REC (μG/L) (04034)	PRO- METRYN, WATER, DISS, REC (μG/L) (04036)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (μG/L) (04038)
JAN 1997												
16...	<0.05	<0.05	<0.05	<0.05	<0.050	<0.05	<0.05	<0.05	<0.05	<0.08	<0.050	E0.035
MAR												
13...	<0.05	<0.05	<0.05	<0.05	<0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050
MAY												
05...	<0.05	<0.05	<0.05	<0.05	<0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.050	E0.049
DATE	AMETRYN WATER, DISS, REC, (μG/L) (38401)	PROP- AZINE WATER DISS REC (μG/L) (38535)	CHLOR- PYRIFOS TOTAL RECOVER (μG/L) (38932)	DISUL- FOTON UNFILT RECOVER (μG/L) (39011)	PHORATE TOTAL (μG/L) (39023)	PER- THANE TOTAL (μG/L) (39034)	DEF TOTAL (μG/L) (39040)	PCNS UNFILT RECOVER (μG/L) (39250)	ALDRIN, TOTAL (μG/L) (39330)	LINDANE TOTAL (μG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (μG/L) (39350)	P,P'- DDD UNFILT RECOVER (μG/L) (39360)
JAN 1997												
16...	<0.050	<0.050	<0.010	--	--	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01
MAR												
13...	<0.050	<0.050	<0.010	--	<0.020	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01
MAY												
05...	<0.050	<0.050	<0.010	<0.010	<0.010	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01
DATE	P,P'- DDE, TOTAL (μG/L) (39365)	P,P'- DDT UNFILT RECOVER (μG/L) (39370)	DI- ELDRIN TOTAL (μG/L) (39380)	ENDO- SULFAN, I TOTAL (μG/L) (39388)	ENDRIN WATER UNFLTRD REC (μG/L) (39390)	ETHION, TOTAL (μG/L) (39398)	TOX- APHENE, TOTAL (μG/L) (39400)	HEPTA- CHLOR, TOTAL (μG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (μG/L) (39420)	METH- OXY- CHLOR, TOTAL (μG/L) (39480)	PCB, TOTAL (μG/L) (39516)	
JAN 1997												
16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	
MAR												
13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	
MAY												
05...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.1	
DATE	MALA- THION, TOTAL (μG/L) (39530)	PARA- THION, TOTAL (μG/L) (39540)	DI- AZINON, TOTAL (μG/L) (39570)	METHYL PARA- THION, TOTAL (μG/L) (39600)	2,4-D, TOTAL (μG/L) (39730)	2,4,5-T TOTAL (μG/L) (39740)	MIREX, TOTAL (μG/L) (39755)	SILVEX, TOTAL (μG/L) (39760)	TOTAL TRI- THION (μG/L) (39786)	2, 4-DP TOTAL (μG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (μG/L) (82614)	
JAN 1997												
16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MAR												
13...	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MAY												
05...	<0.01	<0.01	0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

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

MISSISSIPPI RIVER DELTA

07381515 ATCHAFALAYA RIVER AT BUTTE LA ROSE, LA

LOCATION.--Lat 30°16'53", long 91°41'12", in sec. 7, T. 9 S., R. 7 E., St. Martin Parish, Hydrologic Unit 08080101, on right bank in Butte La Rose

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--May 29, 1928 to Nov. 20, 1996, station maintained by U.S. Army Corps of Engineers, New Orleans District; Nov. 21, 1996 to current, station maintained by U.S. Geological Survey.

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

REMARKS.--Satellite telemetry at station. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 27.28 ft, May 23, 1973, minimum recorded, 0.33 ft, Oct. 17, 1976 (from U.S. Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 20.71 ft, Mar. 28; minimum recorded, 2.04 ft, Sep. 27.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	12.18	14.23	11.38	15.05	20.24	16.28	10.72	14.22	4.80	4.64
2	---	---	12.34	14.13	11.72	15.11	20.20	16.02	10.74	14.34	4.79	4.55
3	---	---	12.71	13.94	12.00	15.19	20.17	16.01	10.82	14.18	4.75	4.16
4	---	---	13.02	13.68	12.54	15.31	20.14	15.93	11.12	13.83	4.65	3.92
5	---	---	13.38	13.49	12.99	15.71	20.19	15.82	11.49	13.60	4.60	3.77
6	---	---	13.49	13.29	13.33	16.02	20.04	15.68	11.63	13.38	4.44	3.88
7	---	---	13.59	13.09	13.69	16.18	19.88	15.55	11.88	13.28	4.34	3.90
8	---	---	13.52	12.92	14.08	16.52	19.74	15.39	12.19	13.19	4.37	3.77
9	---	---	13.59	12.83	14.29	17.01	19.63	15.32	12.42	12.98	4.43	3.82
10	---	---	13.86	12.72	14.34	17.57	19.45	15.16	12.63	12.61	4.55	3.64
11	---	---	13.90	12.61	14.04	18.00	19.26	14.96	12.98	12.03	4.44	3.48
12	---	---	14.02	12.47	14.15	18.37	19.22	14.85	13.11	11.53	3.88	3.35
13	---	---	14.18	12.22	14.81	18.63	19.14	15.00	13.31	11.19	3.89	3.33
14	---	---	14.27	12.04	14.99	18.77	18.93	15.04	13.49	10.91	3.96	3.28
15	---	---	14.32	11.95	14.98	18.94	---	14.92	13.43	10.30	3.79	3.19
16	---	---	14.51	11.80	15.04	19.18	---	14.78	13.57	9.43	3.85	3.15
17	---	---	14.61	11.49	15.12	19.40	---	14.60	13.98	8.75	3.88	3.22
18	---	---	14.67	11.28	15.22	19.68	17.91	14.40	14.27	8.36	3.84	3.08
19	---	---	14.59	11.11	15.23	19.95	17.66	14.28	14.25	7.93	3.85	3.11
20	---	---	14.49	10.77	15.07	20.14	17.41	14.08	14.26	7.43	3.83	3.02
21	---	10.97	14.45	10.45	15.06	20.28	17.10	13.80	14.24	7.05	3.81	3.08
22	---	11.12	14.45	10.23	14.90	20.44	16.83	13.68	14.21	6.66	3.67	3.10
23	---	11.19	14.41	9.65	14.65	20.48	16.62	13.37	14.13	6.20	3.90	3.21
24	---	11.26	14.40	9.32	14.64	20.49	16.35	12.98	14.18	5.87	3.82	3.24
25	---	11.19	14.43	9.01	14.82	20.48	16.09	12.71	14.24	5.60	3.95	2.94
26	---	10.73	14.35	9.14	14.83	20.53	16.09	12.35	14.29	5.49	4.02	2.37
27	---	10.44	14.29	9.36	14.87	20.60	16.33	11.85	14.31	5.29	4.43	2.19
28	---	10.52	14.37	9.75	14.91	20.63	16.49	11.32	14.35	5.15	4.74	2.50
29	---	10.92	14.42	10.55	---	20.60	16.46	11.13	14.33	4.94	4.84	2.53
30	---	11.68	14.36	10.96	---	20.51	16.42	10.94	14.24	5.03	4.91	2.74
31	---	---	14.19	11.16	---	20.37	---	10.81	---	4.97	4.73	---
MAX	---	---	14.67	14.23	15.23	20.63	---	16.28	14.35	14.34	4.91	4.64
MIN	---	---	12.18	9.01	11.38	15.05	---	10.81	10.72	4.94	3.67	2.19

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA

LOCATION.--Lat 30°05'47", long 91°34'46", in sec. 8, T. 11 S., R. 9 E., St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform, 10.1 miles northeast of Loreauville.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1993 to current year.

GAGE.--Water-stage recorder with electromagnetic flowmeter. Datum of gage is an assumed elevation.

REMARKS.--No gage heights published for periods Oct. 1-4, 15-27, 29-Nov. 4 and July 24-Sept. 30 when below recordable stage. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.42 ft, Mar. 28, 29, 1997, minimum recorded, 6.03 ft, Oct. 15, 27, Nov. 4, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.42 ft, Mar. 28, 29; minimum recorded, 6.03 ft, Oct. 15, 27, Nov. 4.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	10.61	12.31	9.99	12.72	16.21	13.55	9.71	12.12	---	---
2	---	---	10.73	12.26	10.21	12.76	16.17	13.43	9.67	12.15	---	---
3	---	---	10.96	12.16	10.41	12.80	16.14	13.39	9.68	12.09	---	---
4	---	6.07	11.18	12.00	10.75	12.85	16.12	13.31	9.81	11.92	---	---
5	6.25	6.21	11.42	11.86	11.04	13.03	16.25	13.23	10.00	11.76	---	---
6	6.08	6.56	11.52	11.72	11.28	13.21	16.16	13.14	10.11	11.63	---	---
7	6.11	7.00	11.62	11.58	11.53	13.34	16.00	13.05	10.27	11.56	---	---
8	6.48	6.99	11.63	11.45	11.79	13.54	15.89	12.95	10.48	11.48	---	---
9	6.69	6.83	11.67	11.35	11.96	13.80	15.79	12.87	10.66	11.35	---	---
10	6.64	6.76	11.84	11.24	12.07	14.09	15.66	12.78	10.81	11.12	---	---
11	6.40	6.79	11.89	11.15	11.98	14.35	15.59	12.67	11.06	10.77	---	---
12	6.33	7.25	11.98	11.03	12.06	14.60	15.55	12.57	11.17	10.43	---	---
13	6.14	7.72	12.08	10.87	12.44	14.86	15.40	12.57	11.29	10.18	---	---
14	6.05	8.00	12.16	---	12.58	14.99	15.28	12.59	11.42	9.99	---	---
15	---	8.14	12.23	---	12.64	15.08	15.16	12.56	11.44	9.60	---	---
16	---	8.47	12.35	---	12.68	15.19	15.03	12.49	11.51	9.03	---	---
17	---	8.86	12.44	---	12.74	15.33	14.90	12.37	11.87	8.50	---	---
18	---	9.11	12.49	---	12.80	15.52	14.73	12.26	12.16	8.12	---	---
19	---	9.38	12.45	---	12.84	15.73	14.56	12.20	12.17	7.75	---	---
20	---	9.53	12.42	9.84	12.80	15.85	14.41	12.08	12.16	7.33	---	---
21	---	9.73	12.41	9.62	12.82	15.97	14.22	11.92	12.15	6.99	---	---
22	---	9.88	12.42	9.47	12.73	16.08	14.04	11.84	12.13	6.67	---	---
23	---	9.95	12.41	9.09	12.59	16.17	13.87	11.67	12.08	6.32	---	---
24	---	10.04	12.39	8.86	12.54	16.22	13.71	11.48	12.07	---	---	---
25	---	10.08	12.40	8.58	12.61	16.27	13.55	11.32	12.12	---	---	---
26	---	9.78	12.38	8.60	12.62	16.30	13.54	11.05	12.15	---	---	---
27	---	9.57	12.39	8.73	12.63	16.34	13.67	10.71	12.15	---	---	---
28	6.21	9.59	12.41	8.99	12.65	16.39	13.70	10.34	12.18	---	---	---
29	---	9.81	12.44	9.44	---	16.39	13.65	10.15	12.18	---	---	---
30	---	10.27	12.43	9.71	---	16.36	13.62	9.97	12.15	---	---	---
31	---	---	12.32	9.85	---	16.28	---	9.84	---	---	---	---
MAX	---	---	12.49	---	12.84	16.39	16.25	13.55	12.18	---	---	---
MIN	---	---	10.61	---	9.99	12.72	13.54	9.84	9.67	---	---	---

MISSISSIPPI RIVER DELTA
0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1993 to current year.

pH: July 1993 to current year.

WATER TEMPERATURE: July 1993 to current year.

DISSOLVED OXYGEN: July 1993 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, pH, water temperature, and dissolved oxygen.

REMARKS.--Dissolved oxygen may show 10 percent error due to inaccuracies of meters. Extremes for current year for specific conductance, pH, water temperature, and dissolved oxygen are not published because the number of missing days of record exceeded 20% of the year. Water-quality monitor out of water Oct. 1 through Feb. 7, Feb. 28-Apr. 11, and July 14-Sep. 30.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 551 microsiemens, June 14, 1994, but may have been higher during period of missing record; minimum daily, 100 microsiemens, Jan. 14, 1994, but may have been lower during period of missing record.

pH: Maximum daily, 9.0 units, May 22, 1994, but may have been higher during period of missing record; minimum daily, 6.3 units, Jan. 14, 1994, but may have been lower during period of missing record.

WATER TEMPERATURES: Maximum daily, 33.5°C, July 17, 1997, but may have been higher during period of missing record; minimum daily, 2.6°C, Feb. 8, 1996, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 13.8 mg/L, Jan. 15, 1994, but may have been higher during period of missing record; minimum daily, 2.5 mg/L, July 18, 1997, but may have been 0.0 mg/L during period of missing record.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	381	356	367	271	268	270
2	---	---	---	---	---	---	386	370	381	268	266	267
3	---	---	---	---	---	---	370	340	354	266	263	265
4	---	---	---	---	---	---	340	305	323	269	263	265
5	---	---	---	---	---	---	305	277	289	276	269	272
6	---	---	---	---	---	---	277	263	270	277	276	276
7	---	---	---	---	---	---	276	261	266	285	277	280
8	---	---	---	---	---	---	291	276	286	291	285	288
9	---	---	---	---	---	---	290	285	287	293	291	292
10	---	---	---	---	---	---	288	285	286	294	291	292
11	---	---	---	---	---	---	288	286	287	299	292	295
12	---	---	---	---	---	---	296	286	290	309	299	304
13	---	---	---	---	---	---	307	296	302	314	309	312
14	---	---	---	---	---	---	310	307	309	314	307	310
15	---	---	---	---	---	---	310	308	309	307	294	301
16	---	---	---	---	---	---	308	305	306	297	295	296
17	---	---	---	---	---	---	306	303	305	300	292	295
18	---	---	---	---	---	---	303	298	301	292	289	291
19	---	---	---	---	---	---	300	298	299	292	290	291
20	---	---	---	---	---	---	299	294	296	299	290	294
21	---	---	---	315	312	313	294	293	294	301	297	299
22	---	---	---	312	307	310	297	294	295	302	300	300
23	---	---	---	313	307	309	304	297	301	306	300	302
24	---	---	---	326	313	318	305	302	304	310	299	304
25	---	---	---	342	326	336	303	301	301	329	306	313
26	---	---	---	343	341	342	301	296	299	306	288	293
27	---	---	---	344	341	343	296	289	292	291	286	288
28	---	---	---	344	343	344	289	287	287	295	274	289
29	---	---	---	344	340	341	287	283	285	285	272	279
30	---	---	---	356	341	348	283	279	281	273	258	265
31	---	---	---	---	---	---	279	271	275	259	252	255
MONTH	---	---	---	---	---	---	386	261	301	329	252	288

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.7	7.6	7.6	---	---	---	---	---	---	---	---	---
2	7.7	7.6	7.6	7.5	7.3	7.4	---	---	---	---	---	---
3	7.7	7.6	7.6	7.5	7.3	7.4	---	---	---	---	---	---
4	7.7	7.7	7.7	7.5	7.3	7.4	---	---	---	---	---	---
5	7.8	7.7	7.7	7.4	7.3	7.4	---	---	---	---	---	---
6	7.8	7.7	7.8	7.4	7.3	7.4	---	---	---	---	---	---
7	7.8	7.8	7.8	7.5	7.3	7.4	---	---	---	---	---	---
8	---	---	---	7.5	7.4	7.4	---	---	---	---	---	---
9	---	---	---	7.5	7.4	7.5	---	---	---	---	---	---
10	---	---	---	7.6	7.4	7.5	---	---	---	---	---	---
11	---	---	---	7.6	7.5	7.6	---	---	---	---	---	---
12	---	---	---	7.7	7.5	7.6	---	---	---	---	---	---
13	---	---	---	7.7	7.6	7.6	---	---	---	---	---	---
14	---	---	---	7.8	7.6	7.7	---	---	---	---	---	---
15	---	---	---	7.8	7.7	7.7	---	---	---	---	---	---
16	---	---	---	7.8	7.7	7.7	---	---	---	---	---	---
17	---	---	---	7.9	7.6	7.7	---	---	---	---	---	---
18	---	---	---	8.3	7.5	7.8	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	11.7	10.9	11.4	8.1	7.8	7.9
2	---	---	---	---	---	---	10.9	10.4	10.7	8.2	7.9	8.0
3	---	---	---	---	---	---	10.4	9.9	10.1	8.9	8.2	8.6
4	---	---	---	---	---	---	9.9	9.3	9.6	9.6	8.9	9.3
5	---	---	---	---	---	---	9.5	9.2	9.3	10.1	9.6	9.8
6	---	---	---	---	---	---	9.5	9.1	9.3	9.8	9.8	9.8
7	---	---	---	---	---	---	9.8	9.4	9.6	9.8	9.6	9.7
8	---	---	---	---	---	---	9.6	9.2	9.4	9.7	9.6	9.6
9	---	---	---	---	---	---	9.6	9.2	9.3	9.6	9.2	9.4
10	---	---	---	---	---	---	9.6	9.2	9.4	9.5	8.9	9.2
11	---	---	---	---	---	---	9.6	9.3	9.5	9.1	8.6	8.8
12	---	---	---	---	---	---	10.1	9.6	9.8	8.6	8.0	8.4
13	---	---	---	---	---	---	10.2	9.9	10.0	8.0	7.4	7.7
14	---	---	---	---	---	---	10.4	10.0	10.2	7.4	6.9	7.2
15	---	---	---	---	---	---	10.4	10.2	10.3	7.2	6.6	6.8
16	---	---	---	---	---	---	10.5	10.2	10.4	6.6	5.9	6.3
17	---	---	---	---	---	---	10.4	10.0	10.2	5.9	5.4	5.7
18	---	---	---	---	---	---	10.1	9.5	9.8	5.5	5.0	5.3
19	---	---	---	---	---	---	9.5	9.1	9.3	5.4	4.7	5.0
20	---	---	---	---	---	---	9.1	8.7	8.9	5.4	4.6	5.0
21	---	---	---	13.8	13.3	13.5	8.9	8.5	8.7	5.3	4.7	5.0
22	---	---	---	13.4	12.8	13.2	8.7	8.5	8.6	5.7	5.1	5.4
23	---	---	---	13.1	12.7	12.8	8.7	8.3	8.5	6.2	5.4	5.7
24	---	---	---	13.3	12.7	12.9	8.4	7.8	8.2	8.0	6.1	6.8
25	---	---	---	13.1	12.3	12.7	7.8	7.4	7.6	10.2	7.0	8.0
26	---	---	---	12.3	11.9	12.1	7.6	7.3	7.5	7.5	6.3	7.0
27	---	---	---	12.1	11.6	11.9	7.8	7.5	7.6	8.1	7.0	7.5
28	---	---	---	12.3	11.7	11.9	7.8	7.6	7.7	7.9	7.2	7.6
29	---	---	---	11.9	11.6	11.8	7.8	7.8	7.8	7.3	7.1	7.2
30	---	---	---	11.9	11.6	11.7	8.0	7.7	7.8	7.8	7.3	7.5
31	---	---	---	---	---	---	8.0	7.8	7.9	8.4	7.5	7.9
MONTH	---	---	---	---	---	---	11.7	7.3	9.2	10.2	4.6	7.5

MISSISSIPPI RIVER DELTA

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	8.5	7.9	8.1	12.4	11.7	12.1	---	---	---	---	---	---
2	8.6	8.0	8.2	12.9	12.3	12.6	---	---	---	---	---	---
3	8.6	8.1	8.3	13.2	12.5	12.8	---	---	---	---	---	---
4	8.5	8.1	8.3	13.3	12.7	13.0	---	---	---	---	---	---
5	8.2	7.6	7.9	13.4	13.1	13.2	---	---	---	---	---	---
6	7.6	7.3	7.5	13.3	12.8	13.0	---	---	---	---	---	---
7	7.4	7.1	7.2	13.2	12.6	12.9	---	---	---	---	---	---
8	7.1	6.5	6.8	13.2	12.6	12.9	---	---	---	---	---	---
9	6.5	6.3	6.4	13.0	12.7	12.8	---	---	---	---	---	---
10	6.9	6.4	6.6	12.7	12.6	12.7	---	---	---	---	---	---
11	7.0	6.5	6.7	13.1	12.6	12.8	---	---	---	---	---	---
12	6.8	6.7	6.7	13.4	12.9	13.1	---	---	---	---	---	---
13	7.0	6.6	6.7	13.7	13.2	13.4	---	---	---	---	---	---
14	6.7	6.5	6.6	13.9	13.6	13.8	---	---	---	---	---	---
15	7.2	6.6	6.8	13.8	13.6	13.7	---	---	---	---	---	---
16	7.3	6.8	7.0	13.6	13.2	13.4	---	---	---	---	---	---
17	7.4	6.8	7.0	13.3	13.1	13.2	---	---	---	---	---	---
18	7.3	6.9	7.0	13.4	13.0	13.2	---	---	---	---	---	---
19	7.5	7.1	7.3	13.4	13.2	13.2	---	---	---	---	---	---
20	8.5	7.5	8.0	13.3	13.0	13.1	---	---	---	---	---	---
21	9.5	8.5	9.0	13.6	12.9	13.2	---	---	---	---	---	---
22	9.7	9.1	9.4	13.9	13.1	13.5	---	---	---	22.0	21.5	21.7
23	9.8	9.5	9.7	14.3	13.4	13.8	---	---	---	22.2	21.7	21.9
24	9.9	9.7	9.8	14.6	13.6	14.1	---	---	---	22.0	21.8	21.9
25	10.0	9.9	9.9	14.9	14.0	14.4	---	---	---	22.0	21.8	21.9
26	10.8	10.0	10.4	15.1	14.4	14.7	---	---	---	22.9	21.9	22.4
27	11.0	10.7	10.8	---	---	---	---	---	---	23.6	22.3	22.9
28	11.7	11.0	11.3	---	---	---	---	---	---	23.8	22.8	23.3
29	---	---	---	---	---	---	---	---	---	24.1	23.1	23.5
30	---	---	---	---	---	---	---	---	---	24.2	23.3	23.8
31	---	---	---	---	---	---	---	---	---	24.4	23.5	23.9
MONTH	11.7	6.3	8.1	15.1	11.7	13.3	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	24.5	23.4	23.9	---	---	---	---	---	---	---	---	---
2	24.5	23.5	24.0	28.1	27.4	27.7	---	---	---	---	---	---
3	24.7	23.5	24.0	28.3	27.6	28.0	---	---	---	---	---	---
4	24.7	23.6	24.1	28.7	28.0	28.3	---	---	---	---	---	---
5	24.7	23.8	24.2	29.0	28.3	28.6	---	---	---	---	---	---
6	24.4	23.8	24.0	29.0	28.4	28.7	---	---	---	---	---	---
7	24.1	23.5	23.8	29.0	28.5	28.7	---	---	---	---	---	---
8	---	---	---	28.8	28.5	28.6	---	---	---	---	---	---
9	---	---	---	28.8	28.4	28.5	---	---	---	---	---	---
10	---	---	---	29.2	28.4	28.7	---	---	---	---	---	---
11	23.6	22.9	23.2	29.6	28.6	29.1	---	---	---	---	---	---
12	23.6	22.9	23.2	29.9	28.9	29.4	---	---	---	---	---	---
13	23.8	23.1	23.4	30.0	28.9	29.3	---	---	---	---	---	---
14	24.0	23.3	23.6	29.8	28.8	29.3	---	---	---	---	---	---
15	24.1	23.4	23.7	29.8	28.8	29.3	---	---	---	---	---	---
16	24.3	23.6	23.9	30.2	28.9	29.5	---	---	---	---	---	---
17	23.9	23.4	23.7	33.5	28.4	29.8	---	---	---	---	---	---
18	23.7	23.3	23.5	31.4	26.7	29.0	---	---	---	---	---	---
19	24.1	23.6	23.9	---	---	---	---	---	---	---	---	---
20	24.7	23.9	24.2	---	---	---	---	---	---	---	---	---
21	24.9	24.2	24.5	---	---	---	---	---	---	---	---	---
22	25.3	24.7	25.0	---	---	---	---	---	---	---	---	---
23	25.7	25.0	25.3	---	---	---	---	---	---	---	---	---
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 1996 TO SEPTEMBER 1997

[illegible]

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.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1993 to September 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 2.88 ft below sea level (by levels from U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.01 ft, Mar. 28, 29, 1997; minimum, 5.86 ft, Sept. 23, 24, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.01 ft, Mar. 28, 29; minimum, 5.86 ft, Sept. 23, 24.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.00	8.24	10.74	13.15	10.57	13.52	17.82	14.48	---	12.88	8.33	6.59
2	7.02	8.19	10.92	13.10	10.72	13.56	17.78	14.37	---	12.85	8.23	6.58
3	7.07	8.15	11.11	13.05	10.93	13.59	17.76	14.29	---	12.83	8.13	6.57
4	7.13	8.10	11.31	12.96	11.16	13.69	17.75	14.18	---	12.75	8.07	6.53
5	7.19	8.05	11.55	12.83	11.39	13.74	17.89	14.09	---	12.62	7.97	6.48
6	7.25	8.02	11.78	12.69	11.67	13.84	17.80	14.00	---	12.49	7.88	6.46
7	7.34	8.00	11.97	12.57	11.95	14.03	17.64	13.91	---	12.47	7.82	6.48
8	7.43	8.03	12.09	12.45	12.22	14.23	17.51	13.81	---	12.35	7.77	6.44
9	7.48	8.11	12.18	12.33	12.46	14.51	17.41	13.71	---	12.25	7.71	6.39
10	7.54	8.16	12.28	12.20	12.59	14.87	17.29	13.61	11.17	12.10	7.65	6.35
11	7.62	8.20	12.41	12.08	12.69	15.27	17.21	13.49	11.43	11.90	7.59	6.30
12	7.68	8.23	12.51	11.98	12.98	15.64	17.15	13.38	11.59	11.66	7.54	6.26
13	7.73	8.27	12.61	11.87	13.15	16.04	16.98	13.30	11.74	11.45	7.53	6.21
14	7.78	8.32	12.71	11.74	13.27	16.24	16.82	13.29	11.87	11.33	7.46	6.17
15	7.79	8.38	12.81	11.67	13.36	16.36	16.66	13.29	11.98	11.08	7.41	6.12
16	7.76	8.47	12.96	11.61	13.43	16.54	16.47	13.25	12.05	10.86	7.33	6.08
17	7.74	8.59	13.06	11.49	13.50	16.76	16.25	13.17	12.37	10.57	7.27	6.04
18	7.72	8.74	13.13	11.36	13.57	17.00	16.03	13.08	12.76	10.29	7.20	6.01
19	7.67	8.96	13.16	11.24	13.61	17.26	15.81	---	12.88	10.05	7.13	5.97
20	7.62	9.24	13.16	11.03	13.67	17.40	15.61	---	12.90	9.82	7.07	5.94
21	7.57	9.48	13.16	10.85	13.60	17.52	15.39	---	12.88	9.62	7.08	5.90
22	7.52	9.73	13.18	10.72	13.49	17.65	15.16	---	12.87	9.44	7.03	5.89
23	7.48	9.98	13.18	10.63	13.40	17.75	14.94	---	12.84	9.27	6.97	5.87
24	7.45	10.22	13.17	10.44	13.39	17.82	14.75	---	12.79	9.13	6.91	5.90
25	7.39	10.44	13.15	10.26	13.41	17.87	14.58	---	12.84	9.00	6.84	6.03
26	7.70	10.53	13.16	10.14	13.42	17.91	14.55	---	12.89	8.87	6.79	6.01
27	8.29	10.53	13.22	10.20	13.42	17.96	14.68	---	12.87	8.74	6.73	5.98
28	8.41	10.50	13.22	10.20	13.47	18.00	14.70	---	12.90	8.61	6.68	5.95
29	8.37	10.50	13.25	10.25	---	18.01	14.61	---	12.91	8.53	6.63	5.92
30	8.32	10.57	13.26	10.34	---	17.98	14.55	---	12.92	8.48	6.60	5.89
31	8.28	---	13.21	10.45	---	17.90	---	---	---	8.37	6.60	---
MAX	8.41	10.57	13.26	13.15	13.67	18.01	17.89	---	---	12.88	8.33	6.59
MIN	7.00	8.00	10.74	10.14	10.57	13.52	14.55	---	---	8.37	6.60	5.87

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 northeast of Loreauville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1993 to September 1997 (discontinued).

GAGE.-- Water-stage recorder with electromagnetic flowmeter. Datum of gage is 1.00 ft above sea level (by levels from U.S. Army Corps of Engineers).

REMARKS.--No gage heights published for periods Oct. 1 to Nov. 16 and July 18 to Sep. 30 when below recordable stage. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 14.04 ft, Mar. 28, 29, 1997, minimum recorded, 4.83 ft, Feb. 23, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 14.04 ft, Mar. 28, 29; minimum recorded, 5.71 ft, Nov. 16.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	7.53	9.80	7.47	10.06	13.86	11.00	7.24	9.43	---	---
2	---	---	---	9.77	7.64	10.09	13.81	10.88	7.15	9.43	---	---
3	---	---	---	9.71	7.81	10.12	13.79	10.83	7.10	9.40	---	---
4	---	---	---	9.60	8.09	10.16	13.80	10.74	7.13	9.28	---	---
5	---	---	---	9.48	8.34	10.27	13.92	10.66	7.24	9.14	---	---
6	---	---	---	9.35	8.55	10.42	13.84	10.58	7.34	9.01	---	---
7	---	---	---	9.24	8.79	10.57	13.68	10.49	7.46	8.95	---	---
8	---	---	---	9.12	9.04	10.76	13.56	10.40	7.63	8.86	---	---
9	---	---	---	9.01	9.24	11.01	13.46	10.31	7.80	8.74	---	---
10	---	---	---	8.91	9.40	11.34	13.35	10.22	7.93	8.56	---	---
11	---	---	---	8.82	9.43	11.66	13.26	10.10	8.18	8.29	---	---
12	---	---	---	8.73	9.51	11.95	13.21	9.99	8.31	7.99	---	---
13	---	---	---	8.61	9.81	12.25	13.04	9.94	8.44	7.76	---	---
14	---	---	---	8.49	9.96	12.40	12.89	9.95	8.57	7.60	---	---
15	---	---	---	8.43	10.04	12.51	12.75	9.93	8.64	7.29	---	---
16	---	5.72	---	8.37	10.10	12.66	12.58	9.88	8.70	6.88	---	---
17	---	5.92	9.64	8.22	10.14	12.84	12.40	9.79	9.05	6.51	---	---
18	---	6.16	9.71	8.08	10.20	13.06	12.23	9.69	9.41	---	---	---
19	---	6.40	9.73	7.95	10.25	13.31	12.06	9.62	9.46	---	---	---
20	---	6.56	9.74	7.80	10.26	13.45	11.90	9.52	9.46	---	---	---
21	---	6.73	9.74	7.64	10.28	13.57	11.73	9.39	9.45	---	---	---
22	---	6.88	9.77	7.49	10.20	13.70	11.55	9.33	9.43	---	---	---
23	---	6.98	9.77	7.23	10.08	13.78	11.38	9.18	9.40	---	---	---
24	---	7.09	9.78	7.02	10.00	13.85	11.21	9.02	9.37	---	---	---
25	---	7.19	9.78	6.77	10.03	13.90	11.05	8.87	9.41	---	---	---
26	---	7.06	9.79	6.66	10.02	13.94	11.04	8.62	9.45	---	---	---
27	---	6.92	9.83	6.67	10.02	13.98	11.16	8.31	9.45	---	---	---
28	---	6.88	9.84	6.84	10.01	14.02	11.17	7.99	9.47	---	---	---
29	---	6.96	9.89	7.03	---	14.03	11.11	7.76	9.48	---	---	---
30	---	7.26	9.90	7.22	---	14.00	11.06	7.56	9.48	---	---	---
31	---	---	9.83	7.36	---	13.93	---	7.40	---	---	---	---
MAX	---	---	---	9.80	10.28	14.03	13.92	11.00	9.48	---	---	---
MIN	---	---	---	6.66	7.47	10.06	11.04	7.40	7.10	---	---	---

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA

LOCATION.--Lat 30°01'58", long 91°33'09", in sec. 4, T. 12 S., R 9 E., Iberia Parish, Hydrologic Unit 08080101, on a three-pile platform attached to a cypress tree, 11.7 miles east of Loreauville.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 1993 to current year.

GAGE.--Water-stage recorder with electromagnetic flowmeter. Datum of gage is an assumed elevation.

REMARKS.--Records fair. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.86 ft, Apr. 5, 1997, minimum recorded, 1.98 ft, Sept. 28, 29, 30, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.86 ft, Apr. 5; minimum recorded, 2.20 ft, Sept. 30.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.01	---	6.57	9.27	6.50	9.54	13.71	10.56	---	9.01	---	2.64
2	3.09	---	6.64	9.25	6.60	9.63	13.72	10.44	---	8.98	---	2.62
3	3.19	---	7.15	9.20	6.74	9.67	13.73	10.40	---	8.95	---	2.58
4	3.24	---	7.30	9.10	6.92	9.70	13.75	10.34	---	8.88	---	2.48
5	3.37	---	7.54	8.99	7.20	9.79	13.82	10.31	---	8.74	---	2.37
6	3.40	---	7.71	8.81	7.40	9.96	13.78	10.14	---	8.61	---	2.33
7	3.42	---	7.89	8.69	7.70	10.13	13.65	10.02	---	---	---	2.34
8	3.53	---	7.98	8.57	7.98	10.32	13.53	9.93	---	---	---	2.30
9	3.57	---	7.99	8.44	8.20	10.52	13.44	9.83	---	---	---	2.27
10	3.66	---	8.01	8.30	8.52	10.92	13.32	9.73	7.22	---	---	2.30
11	3.71	---	8.42	8.22	8.67	11.35	13.24	9.63	7.42	---	---	2.33
12	3.72	---	8.50	8.08	8.78	11.66	13.19	9.49	7.60	---	---	2.31
13	3.73	---	8.58	8.00	9.08	12.09	13.02	9.41	7.72	---	---	2.28
14	3.72	---	8.77	7.87	9.22	12.38	12.86	9.40	7.90	---	---	2.26
15	3.69	---	8.81	7.74	9.34	12.46	12.73	9.40	7.98	---	---	2.26
16	3.64	---	9.01	7.69	9.39	12.61	12.52	9.38	8.00	---	---	2.26
17	3.59	---	9.14	7.59	9.47	12.79	12.33	9.28	8.39	---	---	2.26
18	3.51	---	9.19	7.44	9.56	13.10	12.12	9.21	8.85	---	---	2.25
19	3.44	---	9.20	7.33	9.66	13.41	11.86	9.11	8.98	---	---	2.25
20	3.32	---	9.21	7.25	9.73	13.53	11.66	9.04	8.99	---	---	2.24
21	3.25	---	9.21	7.08	9.77	13.56	11.48	8.92	8.99	---	---	2.24
22	3.15	5.80	9.22	6.97	9.73	13.58	11.30	---	8.98	---	---	2.24
23	3.06	5.87	9.22	6.83	9.62	13.60	11.05	---	8.96	---	---	2.24
24	3.02	6.11	9.22	6.70	9.50	13.62	10.83	---	8.92	5.12	---	2.24
25	3.16	6.33	9.22	6.50	9.48	13.64	10.65	---	8.96	4.94	---	2.23
26	---	6.57	9.22	6.29	9.49	13.65	10.62	---	9.01	4.80	---	2.23
27	---	6.57	9.25	6.20	9.50	13.68	10.73	---	8.99	4.67	2.36	2.23
28	---	6.56	9.26	6.23	9.50	13.70	10.75	---	9.03	4.53	2.42	2.23
29	---	6.56	9.27	6.26	---	13.71	10.67	---	9.05	4.46	2.48	2.22
30	---	6.57	9.28	6.28	---	13.72	10.62	---	9.06	4.41	2.55	2.21
31	---	---	9.28	6.34	---	13.71	---	---	---	---	2.62	---
MAX	---	---	9.28	9.27	9.77	13.72	13.82	---	---	---	---	2.64
MIN	---	---	6.57	6.20	6.50	9.54	10.62	---	---	---	---	2.21

MISSISSIPPI RIVER DELTA

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	7.3	7.1	7.2	---	---	---
2	---	---	---	---	---	---	7.5	7.1	7.3	---	---	---
3	---	---	---	---	---	---	7.5	7.4	7.5	---	---	---
4	---	---	---	---	---	---	7.5	7.4	7.4	---	---	---
5	---	---	---	---	---	---	7.5	7.2	7.4	---	---	---
6	---	---	---	---	---	---	7.2	7.0	7.1	---	---	---
7	---	---	---	---	---	---	7.0	6.9	7.0	---	---	---
8	---	---	---	---	---	---	7.1	7.0	7.1	---	---	---
9	---	---	---	---	---	---	7.1	7.0	7.0	---	---	---
10	---	---	---	---	---	---	7.0	7.0	7.0	---	---	---
11	---	---	---	---	---	---	7.1	7.0	7.1	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	7.4	7.2	7.3	---	---	---	7.1	7.0	7.0
23	---	---	---	7.4	7.3	7.3	---	---	---	7.0	6.9	6.9
24	---	---	---	7.4	7.2	7.3	---	---	---	7.4	7.0	7.3
25	---	---	---	7.5	7.4	7.4	---	---	---	7.4	7.3	7.3
26	---	---	---	7.4	7.1	7.2	---	---	---	7.3	7.2	7.2
27	---	---	---	7.1	7.0	7.1	---	---	---	7.3	7.2	7.3
28	---	---	---	7.1	7.0	7.0	---	---	---	7.4	7.2	7.2
29	---	---	---	7.2	7.0	7.1	---	---	---	7.2	7.1	7.1
30	---	---	---	7.3	7.1	7.2	---	---	---	7.1	7.1	7.1
31	---	---	---	---	---	---	---	---	---	7.4	7.1	7.3
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.4	7.2	7.3	7.0	6.9	6.9	---	---	---	7.5	7.4	7.4
2	---	---	---	7.0	6.9	6.9	---	---	---	7.5	7.3	7.4
3	---	---	---	6.9	6.9	6.9	---	---	---	7.5	7.4	7.4
4	---	---	---	6.9	6.9	6.9	6.8	6.4	6.5	7.4	7.3	7.4
5	---	---	---	7.0	6.9	6.9	6.5	6.4	6.5	7.4	7.3	7.4
6	6.9	6.7	6.8	---	---	---	6.6	6.5	6.5	7.4	7.3	7.4
7	6.9	6.6	6.8	---	---	---	6.6	6.5	6.6	7.4	6.9	7.1
8	6.7	6.6	6.7	---	---	---	6.6	6.6	6.6	7.2	7.0	7.1
9	6.7	6.6	6.7	---	---	---	6.7	6.6	6.6	7.2	6.1	6.6
10	6.8	6.7	6.7	---	---	---	6.7	6.6	6.7	6.2	6.1	6.1
11	6.8	6.7	6.7	---	---	---	6.7	6.6	6.7	6.2	6.1	6.2
12	6.9	6.8	6.8	---	---	---	6.7	6.7	6.7	6.3	6.1	6.2
13	7.0	6.9	6.9	---	---	---	6.7	6.7	6.7	6.6	6.3	6.4
14	7.0	6.9	7.0	---	---	---	6.7	6.7	6.7	6.6	6.5	6.5
15	7.0	7.0	7.0	---	---	---	6.7	6.7	6.7	6.7	6.5	6.6
16	7.1	7.0	7.0	---	---	---	6.7	6.7	6.7	6.8	6.6	6.7
17	7.1	7.0	7.0	---	---	---	6.7	6.7	6.7	6.8	6.7	6.8
18	7.1	7.0	7.0	---	---	---	6.7	6.7	6.7	6.9	6.8	6.8
19	7.1	7.0	7.0	---	---	---	6.7	6.7	6.7	7.0	6.6	6.8
20	7.0	7.0	7.0	---	---	---	6.7	6.7	6.7	6.8	6.2	6.5
21	7.0	7.0	7.0	---	---	---	6.7	6.7	6.7	6.4	6.3	6.4
22	7.0	6.9	7.0	---	---	---	6.8	6.7	6.7	6.4	6.2	6.3
23	7.0	6.9	6.9	---	---	---	6.7	6.7	6.7	6.4	6.3	6.4
24	7.0	6.9	7.0	---	---	---	7.3	6.7	7.0	6.5	6.4	6.4
25	6.9	6.9	6.9	---	---	---	7.3	7.2	7.3	6.5	6.2	6.3
26	7.0	6.9	7.0	---	---	---	7.5	7.2	7.3	6.4	6.2	6.3
27	7.0	6.9	7.0	---	---	---	7.6	7.2	7.4	6.5	6.4	6.4
28	7.0	6.9	6.9	---	---	---	7.6	7.4	7.5	6.5	6.3	6.4
29	---	---	---	---	---	---	7.6	7.4	7.5	6.4	6.3	6.4
30	---	---	---	---	---	---	7.5	7.4	7.5	6.4	6.4	6.4
31	---	---	---	---	---	---	---	---	---	6.4	6.3	6.4
MONTH	7.4	6.6	6.9	---	---	---	7.6	6.4	6.8	7.5	6.1	6.7

MISSISSIPPI RIVER DELTA

073815450 CHICOT PASS NEAR MYETTE POINT, LA

LOCATION.--Lat 29°53'33", long 91°26'44", T. 13 S., R. 10 E., St. Mary Parish, Hydrologic Unit 08080101, on right water's edge near Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 14, 1997 to September 1997. March 27, 1963 to March 14, 1997 station maintained by U.S. Army Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder. Datum of gage is 1.28 ft below sea level. Levels provided by U.S. Army Corps of Engineers on May 1, 1996.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height by the U.S. Army Corps of Engineers, 17.80 ft, May 24, 1973, minimum recorded gage height by the U.S. Army Corps of Engineers, 0.06 ft, undetermined date in 1976.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 12.67 ft, Apr. 5; minimum recorded gage height, 1.18 ft, Sep. 26, 27.

GAGE HEIGHT, IN FEET ABOVE DATUM, MARCH 1997 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							12.49	10.01	6.49	8.63	---	---
2							12.47	9.88	6.48	8.66	2.94	---
3							12.45	9.84	6.47	8.59	2.93	---
4							12.47	9.74	6.57	8.40	2.88	---
5							12.60	9.69	6.77	8.24	2.79	---
6							12.54	9.61	6.90	8.13	2.70	---
7							12.39	9.53	7.06	8.08	2.69	---
8							12.30	9.43	7.23	8.02	2.73	---
9							12.22	9.34	7.41	7.89	2.80	---
10							12.14	9.22	7.55	7.68	2.81	---
11							12.12	9.14	7.78	7.35	2.72	---
12							12.05	9.05	7.90	7.03	2.44	---
13							11.88	9.08	8.01	6.80	2.43	---
14							11.77	9.14	8.15	6.65	2.51	---
15						11.32	11.67	9.06	8.13	6.38	2.49	---
16						11.47	11.52	8.98	8.19	5.95	2.64	---
17						11.62	11.34	8.90	8.48	5.52	2.62	---
18						11.77	11.18	8.81	8.89	5.19	2.53	2.19
19						11.89	11.01	8.75	8.80	4.94	2.53	2.21
20						11.97	10.86	8.64	8.77	4.61	2.50	2.20
21						12.08	10.67	8.47	8.75	4.35	2.40	2.24
22						12.18	10.48	8.39	8.73	4.12	2.28	2.23
23						12.26	10.30	8.24	8.65	3.88	2.48	2.43
24						12.34	10.18	8.07	8.63	3.67	2.41	2.40
25						12.40	10.02	7.94	8.68	3.48	2.47	1.92
26						12.45	10.00	7.71	8.70	3.37	2.56	1.49
27						12.51	10.16	7.40	8.69	3.26	2.88	1.47
28						12.56	10.22	7.06	8.72	3.14	3.01	1.69
29						12.58	10.13	6.89	8.72	3.02	3.02	1.64
30						12.57	10.09	6.76	8.69	---	3.09	---
31						12.52	---	6.63	---	---	3.02	---
MAX						---	12.60	10.01	8.89	---	---	---
MIN						---	10.00	6.63	6.47	---	---	---

MISSISSIPPI RIVER DELTA

07381567 BUFFALO COVE AT ROUND ISLAND NEAR CHARENTON, LA

LOCATION.--Lat 29°59'00", long 91°31'30", in sec. 23, T. 12 S., R. 9 E., Iberia Parish, Hydrologic Unit 08080101 on south side of Round Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 14, 1997 to September 1997. April 26, 1976 to March 14, 1997 station maintained by U.S. Army Corps of Engineers, New Orleans District.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height by the U.S. Army Corps of Engineers, 14.98 ft, June 3, 1983, minimum recorded gage height by the U.S. Army Corps of Engineers, 0.11 ft, Oct. 17, 18, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.60 ft, Mar. 28, 29; minimum gage height, 2.01 ft, Sep. 27 (obtained from the U.S. Army Corps of Engineers).

GAGE HEIGHT, IN FEET ABOVE DATUM, MARCH 1997 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							14.54	11.67	8.13	10.10	4.32	3.87
2							14.51	11.55	8.02	10.09	4.21	3.84
3							14.49	11.50	7.96	10.06	4.18	3.65
4							14.49	11.40	7.94	9.96	4.05	3.39
5							14.60	11.31	8.00	9.83	3.97	3.21
6							14.54	11.23	8.08	9.71	3.87	3.32
7							14.39	11.14	8.18	9.67	3.77	3.42
8							14.29	11.05	8.33	9.57	3.78	3.34
9							14.20	10.97	8.49	9.46	3.80	3.36
10							14.10	10.88	8.62	9.31	3.82	3.28
11							14.03	10.76	8.83	9.07	3.78	3.10
12							13.99	10.66	8.97	8.80	3.46	2.98
13							13.84	10.60	9.09	8.59	3.35	2.98
14						13.16	13.70	10.60	9.22	8.46	3.46	2.94
15						13.28	13.57	10.59	9.31	8.19	3.37	2.86
16						13.45	13.41	10.55	9.36	7.85	3.40	2.82
17						13.63	13.23	10.47	9.67	7.47	3.41	2.92
18						13.83	13.04	10.38	10.05	7.14	3.37	2.85
19						14.03	12.85	10.30	10.12	6.88	3.32	2.86
20						14.14	12.68	10.22	10.13	6.53	3.33	2.86
21						14.24	12.47	10.11	10.12	6.24	3.31	2.85
22						14.37	12.27	10.07	10.11	5.98	3.14	2.87
23						14.44	12.08	9.95	10.07	5.69	3.34	2.99
24						14.51	11.91	9.78	10.04	5.44	3.27	2.97
25						14.55	11.76	9.65	10.07	5.23	3.33	2.81
26						14.60	11.73	9.43	10.12	5.05	3.33	2.49
27						14.64	11.83	9.15	10.11	4.89	3.61	2.08
28						14.68	11.86	8.87	10.14	4.72	3.82	2.26
29						14.69	11.79	8.66	10.15	4.53	3.89	2.30
30						14.66	11.72	8.46	10.15	4.49	3.99	2.38
31						14.60	---	8.30	---	4.41	3.95	---
MAX						---	14.60	11.67	10.15	10.10	4.32	3.87
MIN						---	11.72	8.30	7.94	4.41	3.14	2.08

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in sec. 56, T. 15 S., R. 11 E., St. Mary Parish, Hydrologic Unit 08080101 at Southern Railways System Bridge, 160 ft downstream from State Highway 90, 0.4 mi downstream from Bayou Teche, 0.5 mi west of Calumet, and 9.8 mi west of Morgan City.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to May 1986 (elevations and discharge measurements only), June 1986 to current year. Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is mean sea level. Reverse flow at times during the year.

REMARKS.--No estimated daily discharges. Records poor. No velocity record: Dec. 27 to Jan. 9, Feb. 6-7, June 12-13, July 17-22, and Aug. 12-13. Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.51 ft, Apr. 5, 1997, minimum, -1.15 ft, Dec. 23, 1989.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since 1942, 11.02 ft, present datum, May 27, 1973, minimum, -2.82 ft, present datum, Oct. 18, 1948 (from records of Corps of Engineers, New Orleans District).

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded 258,000 ft³/s, Apr. 5, may have been higher during period of missing record; minimum discharge 31,400 ft³/s, Aug. 5, may have been lower during period of missing record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45000	67600	116000	---	108000	141000	226000	163000	115000	129000	48700	55900
2	50800	76400	116000	---	110000	144000	237000	158000	114000	137000	44500	54700
3	57600	70600	119000	---	114000	149000	250000	161000	114000	139000	42300	52600
4	55400	73400	125000	---	119000	152000	255000	163000	113000	136000	38200	50800
5	55000	74200	132000	---	136000	156000	243000	158000	106000	137000	35900	48300
6	54900	75600	125000	---	---	168000	228000	156000	113000	130000	36500	44500
7	51200	79100	123000	---	---	168000	227000	153000	119000	128000	42100	44600
8	52500	86500	126000	---	153000	168000	224000	151000	123000	122000	43500	43500
9	65800	79900	129000	---	147000	177000	226000	149000	126000	121000	44200	45400
10	73600	80000	132000	154000	152000	182000	225000	161000	128000	118000	56400	45500
11	83300	80000	133000	154000	147000	185000	221000	158000	133000	114000	51300	46100
12	80100	84800	133000	152000	148000	192000	223000	157000	---	113000	---	42400
13	77700	89400	135000	148000	150000	203000	222000	156000	---	113000	---	40500
14	75300	92100	135000	142000	154000	206000	214000	155000	131000	115000	47100	40400
15	74800	90800	136000	139000	152000	209000	204000	156000	130000	111000	43900	41200
16	71300	88700	140000	144000	147000	202000	202000	155000	127000	105000	41100	39400
17	65900	95800	145000	138000	150000	201000	204000	150000	131000	---	44000	41900
18	64700	100000	152000	135000	152000	210000	202000	148000	141000	---	44900	41500
19	43600	106000	153000	131000	155000	202000	198000	146000	140000	---	43700	41700
20	44100	106000	156000	130000	154000	202000	197000	145000	139000	---	42400	40900
21	44800	108000	150000	128000	152000	208000	192000	143000	138000	---	42400	41700
22	49300	110000	152000	115000	144000	219000	190000	141000	138000	---	37900	42500
23	49700	111000	154000	108000	138000	231000	187000	136000	138000	81800	37000	40700
24	47000	109000	161000	104000	126000	242000	183000	137000	135000	79600	36900	42100
25	49300	113000	160000	109000	119000	240000	179000	134000	144000	75500	39400	50900
26	54400	117000	160000	103000	119000	248000	176000	132000	147000	63400	39800	43900
27	59000	109000	---	104000	138000	233000	171000	130000	148000	56100	52100	39100
28	68700	104000	---	109000	139000	204000	172000	128000	146000	72400	60600	41600
29	68800	97300	---	112000	---	204000	171000	124000	139000	63300	60800	42600
30	69300	103000	---	111000	---	225000	166000	122000	131000	58500	58600	45400
31	69100	---	---	109000	---	224000	---	118000	---	57700	56600	---
TOTAL	1872000	2778200	---	---	---	6095000	6215000	4544000	---	---	---	1332300
MEAN	60390	92610	---	---	---	196600	207200	146600	---	---	---	44410
MAX	83300	117000	---	---	---	248000	255000	163000	---	---	---	55900
MIN	43600	67600	---	---	---	141000	166000	118000	---	---	---	39100

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.56	2.71	4.14	---	3.70	5.44	7.77	5.97	3.76	5.08	2.03	2.17
2	2.57	1.89	4.13	---	3.81	5.48	7.78	5.95	3.77	5.07	2.16	2.20
3	2.52	2.11	4.26	---	3.98	5.37	7.76	5.92	3.72	4.96	2.15	2.02
4	2.76	2.38	4.28	---	4.18	5.37	7.83	5.77	3.79	4.84	2.10	1.80
5	3.00	2.40	4.51	---	4.18	5.47	8.25	5.76	3.91	4.76	1.91	1.84
6	2.63	2.70	4.51	---	4.33	5.45	8.01	5.71	4.03	4.79	1.87	2.19
7	3.03	3.10	4.54	---	4.57	5.62	7.78	5.66	4.15	4.76	1.94	2.41
8	3.46	2.40	4.43	---	4.49	5.78	7.70	5.64	4.18	4.69	2.03	2.41
9	2.87	2.39	4.51	4.37	4.65	5.93	7.63	5.56	4.32	4.60	2.17	2.44
10	2.62	2.50	4.62	4.35	4.69	6.12	7.58	5.40	4.42	4.49	2.01	2.27
11	2.44	2.51	4.69	4.22	4.64	6.28	7.70	5.41	4.63	4.25	1.93	2.03
12	2.65	2.65	4.77	4.07	4.76	6.46	7.60	5.35	4.72	4.03	2.11	2.07
13	2.66	2.88	4.77	3.93	5.10	6.74	7.35	5.32	4.84	3.90	1.90	2.15
14	2.80	2.93	4.82	4.05	5.05	6.76	7.23	5.34	4.87	3.90	2.02	2.14
15	2.82	3.15	4.91	4.27	5.03	6.72	7.13	5.28	4.78	3.86	2.17	2.05
16	2.70	3.77	5.01	3.91	5.09	6.82	7.02	5.21	4.88	3.69	2.46	2.20
17	2.84	4.04	4.89	3.73	5.09	6.97	6.89	5.21	5.16	3.38	2.36	2.19
18	2.23	3.84	4.86	3.69	5.17	7.09	6.74	5.18	5.52	3.19	2.20	2.15
19	2.18	3.76	4.74	3.64	5.23	7.21	6.64	5.19	5.30	2.99	2.23	2.23
20	2.57	3.84	4.80	3.51	5.31	7.21	6.52	5.12	5.25	2.82	2.16	2.27
21	2.48	3.94	4.92	3.59	5.46	7.30	6.43	4.99	5.25	2.70	1.87	2.29
22	2.68	3.78	5.02	3.64	5.17	7.41	6.32	4.90	5.24	2.53	1.86	2.25
23	1.90	3.99	5.02	3.40	5.05	7.48	6.17	4.87	5.15	2.51	2.00	2.59
24	2.37	4.23	4.94	3.54	5.08	7.58	6.10	4.86	5.07	2.40	1.99	2.48
25	2.56	4.27	4.85	3.23	5.14	7.67	6.07	4.89	5.10	2.29	1.95	1.59
26	3.21	3.51	5.05	3.27	5.27	7.73	6.09	4.70	5.09	2.20	2.14	1.38
27	3.00	3.50	5.15	3.42	5.23	7.75	6.36	4.47	5.08	2.12	2.36	1.64
28	2.91	3.57	---	3.32	5.28	7.83	6.28	4.23	5.08	2.11	2.26	1.76
29	2.82	3.88	---	3.37	---	7.85	6.04	4.17	5.12	2.04	2.16	1.64
30	2.60	4.35	5.00	3.46	---	7.85	6.01	4.08	5.13	2.00	2.24	1.60
31	2.53	---	4.94	3.54	---	7.78	---	3.99	---	2.08	2.23	---
MAX	3.46	4.35	---	---	5.46	7.85	8.25	5.97	5.52	5.08	2.46	2.59
MIN	1.90	1.89	---	---	3.70	5.37	6.01	3.99	3.72	2.00	1.86	1.38

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 1996 TO SEPTEMBER 1997

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μ S/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
NOV 1996									
07...	1000	364	7.62	18.0	30	50	<1	8.3	20
JAN 1997									
22...	0930	314	7.50	9.0	40	40	<1	10.1	19
MAR									
18...	1430	275	7.79	13.5	30	110	<1	9.7	24
MAY									
01...	0915	322	6.98	17.0	50	68	<1	7.0	18
JUL									
30...	1200	507	7.60	31.5	10	6.7	<1	6.0	--
SEP									
30...	0900	577	7.87	--	5	4.2	<1	6.6	--

DATE	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 μ M-MF (COLS./ 100 ML) (31625)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
NOV 1996										
07...	1.3	200	78	110	30	9.0	24	3.7	79	46
JAN 1997										
22...	1.1	780	120	110	29	9.0	17	2.8	78	35
MAR										
18...	1.0	K190	K26	94	26	7.0	14	2.7	65	30
MAY										
01...	--	K300	K42	110	29	9.0	19	2.8	68	38
JUL										
30...	0	K65	K4	190	49	16	30	3.7	132	70
SEP										
30...	0.8	K23	K2	180	46	17	--	--	133	87

< 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 1996 TO SEPTEMBER 1997

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV 1996										
07...	28	0.2	6.6	214	197	--	--	<0.010	<0.010	0.52
JAN 1997										
22...	22	0.1	7.4	182	173	67	--	0.022	0.010	0.93
MAR										
18...	22	0.1	5.8	150	150	140	--	0.041	0.026	0.73
MAY										
01...	26	0.1	5.9	190	174	140	--	--	0.018	0.87
JUL										
30...	30	0.2	6.5	312	281	14	--	<0.010	<0.010	1.4
SEP										
30...	36	0.2	--	324	--	--	20	<0.010	<0.010	0.70

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
NOV 1996									
07...	0.53	0.01	<0.010	0.50	0.28	0.18	0.07	0.09	0.06
JAN 1997									
22...	0.91	0.03	0.029	0.60	0.40	0.13	0.04	0.08	0.04
MAR									
18...	0.73	0.05	0.038	0.66	0.35	0.22	0.02	0.11	0.03
MAY									
01...	0.82	0.02	0.016	0.66	0.33	0.18	0.04	0.07	0.03
JUL									
30...	1.4	0.02	0.020	0.41	0.40	0.08	0.06	0.07	0.07
SEP									
30...	0.70	0.01	0.014	0.25	<0.20	0.07	0.04	0.07	0.06

DATE	ARSENIC TOTAL (µG/L AS AS) (01002)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (µG/L AS CD) (01027)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR) (01034)	CHRO- MIUM, HEXA- VALENT, DIS. (µG/L AS CR) (01032)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)
NOV 1996									
07...	2	1	<0.5	<0.5	<1	<1	2	<1	5
JAN 1997									
22...	2	<1	<0.5	<0.5	<1	<1	2	<1	3
MAR									
18...	<1	<1	<0.5	<0.5	<1	<1	<1	<5	2
MAY									
01...	3	<1	<0.5	<0.5	<1	<1	3	<5	5

< 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 1996 TO SEPTEMBER 1997

DATE	COPPER, DIS- SOLVED (μG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (μG/L AS FE) (01045)	IRON, DIS- SOLVED (μG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (μG/L AS PB) (01051)	LEAD, DIS- SOLVED (μG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (μG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (μG/L AS HG) (71900)	MERCURY DIS- SOLVED (μG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (μG/L AS NI) (01067)	
	NOV 1996 07...	1.8	2800	70	4	<1	160	<0.1	<0.1	4
JAN 1997 22...	1.4	2500	70	2	<1	100	<0.1	<0.1	3	
MAR 18...	2.7	--	30	<1	<1	20	0.1	<0.1	2	
MAY 01...	1.5	4500	40	4	<1	190	0.1	<0.1	9	
DATE	NICKEL, DIS- SOLVED (μG/L AS NI) (01065)	SELE- NIUM, TOTAL (μG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (μG/L AS SE) (01145)	VANA- DIUM, DIS- SOLVED (μG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (μG/L AS ZN) (01092)	ZINC, DIS- SOLVED (μG/L AS ZN) (01090)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (μG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)	
	NOV 1996 07...	2.0	<1	1	2	20	6.6	<0.01	3	<1
JAN 1997 22...	<1.0	<1	<1	<1	10	2.1	<0.01	1	<1	
MAR 18...	<1.0	<1	<1	<1	3	<1.0	<0.01	<1	<1	
MAY 01...	1.6	<1	<1	<1	20	<1.0	<0.01	<1	<1	
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TRI- FLUR- ALIN, WATER, DISS, REC (μG/L) (04023)	PROP- CHLOR, WATER, DISS, REC (μG/L) (04024)	HEXA- ZINONE, WATER, DISS, REC (μG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (μG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (μG/L) (04027)	BUTYL- ATE, WATER, DISS, REC (μG/L) (04028)	BRO- MACIL, WATER, DISS, REC (μG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (μG/L) (04030)	SI- CLOATE, WATER, DISS, REC (μG/L) (04031)
	NOV 1996 07...	7.0	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05
JAN 1997 22...	7.7	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
MAR 18...	8.2	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
MAY 01...	7.5	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
JUL 30...	4.7	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
SEP 30...	4.7	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05

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MISSISSIPPI RIVER DELTA
07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TER- BACIL, WATER, DISS, REC (μG/L) (04032)	DIPHEN- AMID, WATER, DISS, REC (μG/L) (04033)	VERNO- LATE, WATER, DISS, REC (μG/L) (04034)	SI- MAZINE, WATER, DISS, REC (μG/L) (04035)	PRO- METRYN, WATER, DISS, REC (μG/L) (04036)	PRO- METON, WATER, DISS, REC (μG/L) (04037)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (μG/L) (04038)	DEETHYL ATRA- ZINE, WATER, DISS, REC (μG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (μG/L) (04041)	AMETRYN WATER, DISS, REC (μG/L) (38401)
NOV 1996										
07...	<0.05	<0.05	<0.05	0.060	<0.050	<0.050	<0.050	<0.050	<0.200	<0.050
JAN 1997										
22...	<0.05	<0.05	<0.12	<0.050	<0.050	<0.050	<0.050	<0.050	<0.200	<0.050
MAR										
18...	<0.05	<0.05	<0.40	<0.050	<0.050	<0.050	<0.050	E0.029	E0.051	<0.050
MAY										
01...	<0.05	<0.05	<0.05	E0.038	<0.050	<0.050	E0.039	0.076	E0.151	<0.050
JUL										
30...	<0.05	<0.05	<0.05	0.064	E0.041	<0.050	0.086	0.198	0.244	<0.050
SEP										
30...	<0.05	<0.05	<0.05	E0.028	<0.050	E0.029	<0.050	0.061	E0.075	<0.050
DATE	PROP- AZINE WATER DISS REC (μG/L) (38535)	METO- LACHLOR WATER DISSOLV (μG/L) (39415)	ATRA- ZINE, WATER, DISS, REC (μG/L) (39632)	2,4-D, TOTAL (μG/L) (39730)	2,4,5-T TOTAL (μG/L) (39740)	SILVEX, TOTAL (μG/L) (39760)	ALA- CHLOR, WATER, DISS, REC, (μG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (μG/L) (49260)	2, 4-DP TOTAL (μG/L) (82183)	METRI- BUZIN SENCOR WATER DISSOLV (μG/L) (82630)
NOV 1996										
07...	<0.050	0.052	0.120	0.04	<0.02	<0.02	<0.050	<0.050	<0.02	<0.050
JAN 1997										
22...	<0.050	<0.050	0.080	<0.01	<0.01	<0.01	<0.050	<0.050	<0.01	<0.050
MAR										
18...	<0.050	0.062	0.076	0.04	<0.01	<0.01	<0.050	<0.050	<0.01	<0.050
MAY										
01...	<0.050	0.368	0.996	0.04	<0.01	<0.01	E0.035	E0.032	<0.01	E0.042
JUL										
30...	E0.030	0.326	0.755	0.06	<0.01	<0.01	E0.037	E0.048	<0.01	<0.050
SEP										
30...	<0.050	0.092	0.208	<0.01	<0.01	<0.01	<0.050	<0.050	<0.01	<0.050
DATE	CHLOR- PYRIFOS TOTAL RECOVER (μG/L) (38932)	DISUL- FOTON UNFILT RECOVER (μG/L) (39011)	PHORATE TOTAL (μG/L) (39023)	PER- THANE TOTAL (μG/L) (39034)	DEF TOTAL (μG/L) (39040)	PCNS UNFILT RECOVER (μG/L) (39250)	ALDRIN, TOTAL (μG/L) (39330)	LINDANE TOTAL (μG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (μG/L) (39350)	
NOV 1996										
07...	<0.01	--	<0.02	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	
JAN 1997										
22...	<0.01	<0.05	<0.05	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	
MAR										
18...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	
MAY										
01...	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	

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

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	P,P'- DDD UNFILT RECOVER (μG/L) (39360)	P,P'- DDE, TOTAL (μG/L) (39365)	P,P'- DDT UNFILT RECOVER (μG/L) (39370)	DI- ELDRIN TOTAL (μG/L) (39380)	ENDO- SULFAN, I TOTAL (μG/L) (39388)	ENDRIN WATER UNFLTRD REC (μG/L) (39390)	ETHION, TOTAL (μG/L) (39398)	TOX- APHENE, TOTAL (μG/L) (39400)	HEPTA- CHLOR, TOTAL (μG/L) (39410)
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NOV 1996									
07...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01
JAN 1997									
22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01
MAR									
18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01
MAY									
01...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01

DATE	HEPTA- CHLOR EPOXIDE TOTAL (μG/L) (39420)	METH- OXY- CHLOR, TOTAL (μG/L) (39480)	PCB, TOTAL (μG/L) (39516)	MALA- THION, TOTAL (μG/L) (39530)	PARA- THION, TOTAL (μG/L) (39540)	DI- AZINON, TOTAL (μG/L) (39570)	METHYL PARA- THION, TOTAL (μG/L) (39600)	MIREX, TOTAL (μG/L) (39755)	TOTAL TRI- THION (μG/L) (39786)
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NOV 1996									
07...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1997									
22...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR									
18...	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY									
01...	<0.01	<0.01	<0.1	<0.01	<0.01	0.01	<0.01	<0.01	<0.01

DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (μG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (μG/L) (70954)
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NOV 1996		
07...	E0.10	<0.10
JAN 1997		
22...	0.20	<0.10
MAR		
18...	0.61	<0.10
MAY		
01...	E0.19	<0.10
JUL		
30...	2.4	<0.10
SEP		
30...	0.68	<0.10

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1996						APR					
09...	0910	78000	292	61500	100	02...	1030	232000	347	217000	75
22...	1130	40000	96	10400	100	17...	1040	208000	218	123000	85
NOV						MAY					
07...	1000	76000	156	32000	100	01...	0915	172000	271	126000	93
21...	1000	109000	316	93000	93	15...	1330	156000	209	88000	98
DEC						28...	1045	125000	287	97000	96
03...	0930	128000	636	220000	95	JUN					
23...	--	154000	208	86000	94	26...	0935	149000	313	126000	92
JAN 1997						JUL					
22...	0930	109000	183	54000	100	17...	0936	90000	377	92000	99
FEB						30...	1200	59000	308	19000	100
06...	0900	142000	269	103000	100	AUG					
19...	1200	164000	375	166000	77	14...	--	49000	301	40000	100
MAR						SEP					
05...	--	168000	363	165000	97	03...	--	56000	160	24000	100
18...	1430	215000	314	182000	89	17...	1030	52000	168	24000	100
						30...	0900	51000	186	26000	100

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA

(National stream-quality accounting network station)

LOCATION.--Lat. 29°42'09", long 91°12'07", on line between secs. 1 and 6, St. Mary Parish, Hydrologic Unit 08080101, near center of span on downstream side of Southern Railways System bridge at Morgan City, 0.3 mi downstream from U. S. Highway 90, 0.3 mi upstream from Bayou Boeuf, and 1.0 mi. southwest of Morgan City High School. Prior to November 8, 1996, at site 1,200 ft upstream.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to September 1995, October 1996 to September 1997 (elevations and discharge measurements only); October 1995 to September 1996 (elevation and discharge). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans District, and National Weather Service.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is sea level. Prior to November 8, 1996, at site 1,200 ft upstream at same datum. Prior to October 1984 at datum 0.34 ft higher and prior to July 1983 at 0.17 ft higher. Prior to October 1981 at NGVD.

REMARKS.--Discharge and elevation affected by tide at all stages. Satellite telemetry at station.

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 elevation, 8.24 ft, Apr. 5; minimum recorded elevation, 1.15 ft, Sept. 26.

REVISIONS.--Revised figures of elevation for the water year 1996, superseding those published in the report for 1996, are given below.

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. 9	108,000	Jan. 21, 1997	159,000	Apr. 17	315,000	Jul. 29	93,100
Oct. 22	46,600	Feb. 5	192,000	Apr. 30	240,000	Aug. 14	81,600
Nov. 6	112,000	Feb. 19	224,000	May 15	226,000	Sep. 3	84,200
Nov. 21	136,000	Mar. 5	228,000	May 28	180,000	Sep. 17	56,900
Dec. 3	179,000	Mar. 17	295,000	Jun. 12	176,000	Sep. 29	65,200
Dec. 23	205,000	Apr. 2	381,000				

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.47	2.09	1.78	2.47	---	2.40	3.06	3.37	5.45	---	2.63	---
2	2.89	1.99	1.74	2.35	---	2.40	3.09	3.54	5.50	---	2.74	---
3	2.56	1.48	1.85	1.84	---	2.32	3.24	3.62	5.54	4.85	2.76	---
4	2.21	1.02	1.73	1.91	---	2.27	3.36	3.68	5.54	4.67	2.72	---
5	2.61	1.35	1.71	2.03	---	2.42	3.42	3.76	5.57	4.51	2.82	---
6	2.28	1.73	1.64	1.88	---	2.60	3.45	3.81	5.59	4.35	2.83	---
7	1.75	1.79	1.49	.91	---	2.32	3.62	3.89	5.62	4.24	2.89	---
8	1.89	1.25	1.63	.95	---	1.94	3.79	3.99	5.63	4.47	2.73	---
9	1.87	1.60	1.18	1.09	---	1.95	3.77	4.07	5.60	4.08	---	---
10	1.73	2.22	.84	.95	---	2.02	3.80	4.15	5.61	3.77	---	---
11	1.66	1.83	1.26	1.25	---	2.12	3.84	4.19	5.65	3.56	---	---
12	1.93	1.57	1.33	1.07	---	2.38	3.83	4.12	5.69	3.36	---	---
13	2.27	1.80	1.52	1.06	---	2.54	3.88	4.20	5.71	3.17	---	---
14	1.77	1.37	1.54	1.26	---	2.66	3.86	4.25	5.67	3.11	---	---
15	1.51	1.58	1.47	1.36	---	2.86	3.88	4.37	5.66	3.03	---	---
16	1.97	1.45	1.47	1.55	---	3.00	3.68	4.41	5.62	2.92	---	---
17	1.85	1.44	1.73	1.95	---	3.12	3.73	4.49	---	2.97	---	---
18	1.95	1.74	2.31	2.46	---	3.34	3.73	4.54	---	2.99	---	---
19	2.06	1.83	2.16	1.77	---	3.07	3.65	4.57	---	2.86	---	---
20	1.76	2.03	1.57	1.89	---	2.82	3.62	4.65	---	2.66	---	---
21	1.63	1.97	1.77	1.97	---	2.74	3.38	4.69	---	2.50	---	---
22	1.95	2.06	1.54	1.77	---	2.75	3.42	4.72	---	2.33	---	---
23	1.96	2.32	1.43	1.95	2.82	2.84	3.26	4.76	---	2.13	---	---
24	1.72	2.05	1.47	1.97	2.81	3.03	3.03	4.83	---	2.07	---	---
25	1.82	2.06	1.39	1.88	2.76	3.09	3.19	4.92	---	2.16	---	---
26	2.02	2.15	1.18	2.54	2.77	2.85	3.13	5.07	---	2.18	---	---
27	2.38	2.40	1.28	2.35	2.79	2.91	2.98	5.22	---	2.25	---	---
28	1.85	2.17	1.30	2.22	2.52	3.03	3.20	5.26	---	2.26	---	---
29	1.63	1.85	1.48	---	2.28	3.04	3.44	5.26	---	2.28	---	---
30	1.56	1.70	1.89	---	---	3.21	3.21	5.31	---	2.48	---	---
31	2.20	---	2.24	---	---	3.22	---	5.38	---	2.56	---	---
MAX	2.89	2.40	2.31	---	---	3.34	3.88	5.38	---	---	---	---
MIN	1.51	1.02	.84	---	---	1.94	2.98	3.37	---	---	---	---

MISSISSIPPI RIVER DELTA
 07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued
 ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	4.20	---	3.60	5.40	7.44	6.05	4.08	5.13	2.17	2.25
2	---	---	4.09	---	3.51	5.47	7.44	6.07	4.04	5.10	2.23	2.26
3	---	---	4.17	---	3.40	5.40	7.41	6.03	3.95	5.04	2.24	2.11
4	---	---	4.16	---	3.21	5.38	7.49	5.89	3.93	4.95	2.20	1.92
5	---	---	4.37	---	3.23	5.46	7.95	5.87	3.99	4.88	2.05	1.89
6	---	---	4.42	---	4.26	5.42	7.69	5.83	4.06	4.88	1.98	2.16
7	---	---	4.48	---	4.46	5.54	7.51	5.78	4.15	4.83	2.00	2.40
8	---	2.71	4.45	---	4.45	5.67	7.44	5.75	4.19	4.80	2.12	2.40
9	---	2.56	4.50	---	4.55	5.79	7.37	5.69	4.29	4.75	2.22	2.47
10	---	2.68	4.59	---	4.64	5.94	7.29	5.56	4.37	4.65	2.10	2.36
11	---	2.62	4.68	---	4.63	6.05	7.47	5.55	4.51	4.48	2.02	2.13
12	---	2.73	4.76	---	4.69	6.17	7.40	5.51	4.64	4.30	2.00	2.12
13	---	2.91	4.78	---	5.05	6.47	7.17	5.47	4.72	4.17	1.98	2.19
14	---	---	4.83	---	5.06	6.48	7.06	5.46	4.79	4.12	2.09	2.19
15	---	3.16	4.91	---	5.05	6.46	6.97	5.40	4.74	4.07	2.22	2.12
16	---	3.58	5.05	---	5.12	6.52	6.89	5.33	4.80	3.95	2.45	2.22
17	---	3.93	4.97	---	5.13	6.65	6.78	5.31	5.02	3.74	2.40	2.23
18	---	3.84	4.99	---	5.18	6.74	6.63	5.28	5.51	3.49	2.26	2.17
19	---	3.80	4.92	---	5.25	6.86	6.59	5.30	5.36	3.34	2.27	2.22
20	---	3.84	4.91	---	5.30	6.88	6.48	5.25	5.31	3.15	2.22	2.28
21	---	3.90	4.95	3.56	5.47	6.96	6.46	5.15	5.27	2.98	2.01	2.31
22	---	3.76	5.03	3.56	5.28	7.05	6.39	5.07	5.25	2.85	1.91	2.28
23	---	3.91	5.06	3.72	5.17	7.11	6.26	5.04	5.19	2.75	2.06	2.57
24	---	4.10	5.05	3.63	5.18	7.20	6.17	5.01	5.12	2.60	2.01	2.50
25	---	4.44	4.96	3.85	5.20	7.32	6.13	5.07	5.16	2.48	2.02	1.84
26	---	3.71	5.09	3.91	5.31	7.39	6.14	4.93	5.17	2.39	2.15	1.53
27	---	3.62	5.23	3.80	5.27	7.38	6.36	4.72	5.15	2.32	2.39	1.67
28	---	3.64	5.18	3.77	5.30	7.49	6.36	4.54	5.15	2.24	2.34	1.81
29	---	3.83	---	3.77	---	7.48	6.13	4.44	5.17	2.21	2.25	1.69
30	---	4.24	---	3.72	---	7.50	6.10	4.35	5.17	2.14	2.30	1.64
31	---	---	---	3.70	---	7.42	---	4.28	---	2.21	2.30	---
MAX	---	---	---	---	5.47	7.50	7.95	6.07	5.51	5.13	2.45	2.57
MIN	---	---	---	---	3.21	5.38	6.10	4.28	3.93	2.14	1.91	1.53

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 1996 TO SEPTEMBER 1997

			SPE- CIFIC CON- DUCT- ANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	SETTLE- ABLE MATTER (ML/L/ HR) (50086)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
NOV 1996										
06...	0955		390	7.46	21.0	30	49	<1	7.6	15
JAN 1997										
21...	1155		317	7.55	9.0	40	30	<1	10.5	20
MAR										
17...	1130		281	7.41	14.0	30	98	<1	10.0	24
APR										
30...	1330		308	7.10	16.0	--	81	<1	8.4	18
JUL										
29...	1100		480	7.64	31.5	10	9.1	<1	5.8	--
SEP										
29...	1015		554	7.52	28.0	5	4.8	<1	6.4	--
DATE	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 μM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
NOV 1996										
06...	1.1	140	K11	K49	120	32	10	27	3.8	90
JAN 1997										
21...	0.9	700	--	260	110	29	8.0	17	2.8	80
MAR										
17...	2.3	K400	K51	K49	94	26	7.0	15	2.7	67
APR										
30...	2.3	K350	110	150	110	29	8.0	18	2.7	70
JUL										
29...	0.0	K24	K3	K1	170	45	14	28	3.5	121
SEP										
29...	0.4	K35	<2	<2	180	45	16	--	--	128

< 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 1996 TO SEPTEMBER 1997

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L) (70299)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
	NOV 1996 06...	50	30	0.2	6.6	220	216	--	--	0.010
JAN 1997 21...	35	23	0.1	7.3	186	174	70	--	0.024	--
MAR 17...	30	23	0.1	5.5	150	152	130	--	0.040	0.025
APR 30...	36	24	0.1	5.8	164	169	120	--	0.012	0.016
JUL 29...	64	30	0.2	6.8	292	270	15	--	<0.010	<0.010
SEP 29...	83	32	0.2	--	310	--	--	14	<0.010	<0.010
DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
	NOV 1996 06...	0.44	--	0.01	0.010	0.68	0.26	0.18	0.06	0.07
JAN 1997 21...	0.89	0.87	0.06	0.026	0.63	0.38	0.12	0.04	0.08	0.04
MAR 17...	0.65	0.63	0.05	0.037	0.79	0.32	0.18	<0.02	0.10	0.02
APR 30...	0.81	0.78	0.02	<0.010	0.68	0.43	0.20	0.04	0.07	0.03
JUL 29...	1.2	1.2	0.02	0.023	0.48	0.35	0.08	0.06	0.07	0.07
SEP 29...	0.61	0.60	0.01	0.014	0.30	<0.20	0.06	0.03	0.06	0.06
DATE	ARSENIC TOTAL (μG/L AS AS) (01002)	ARSENIC DIS- SOLVED (μG/L AS AS) (01000)	BERYL- LIUM, TOTAL RECOV- ERABLE (μG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (μG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (μG/L AS CD) (01027)	CADMIUM DIS- SOLVED (μG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (μG/L AS CR) (01034)	CHRO- MIUM, HEXA- VALENT, DIS- (μG/L AS CR) (01032)	COPPER, TOTAL RECOV- ERABLE (μG/L AS CU) (01042)	
	NOV 1996 06...	2	1	<0.5	<0.5	<1	<1	3	<1	5
JAN 1997 21...	2	<1	<0.5	<0.5	<1	<1	2	<1	5	
MAR 17...	2	1	<0.5	<0.5	<1	<1	4	<5	5	
APR 30...	3	1	<0.5	<0.5	<1	<1	3	<5	6	

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MISSISSIPPI RIVER DELTA
07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG) (71900)	MERCURY DIS- SOLVED (µG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	
NOV 1996										
06...	1.4	2800	70	4	<1	160	<0.1	<0.1	5	
JAN 1997										
21...	2.0	2500	60	3	<1	100	<0.1	<0.1	4	
MAR										
17...	1.4	4300	20	4	<1	160	<0.1	<0.1	6	
APR										
30...	2.0	4400	40	3	<1	190	--	<0.1	5	
DATE	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	SELE- NIUM, TOTAL (µG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (µG/L AS SE) (01145)	VANA- DIUM, DIS- SOLVED (µG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	CYANIDE TOTAL (MG/L AS CN) (00720)	PHENOLS TOTAL (µG/L) (32730)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)	
NOV 1996										
06...	1.6	<1	1	2	20	16	<0.01	2	<1	
JAN 1997										
21...	1.1	<1	<1	<1	10	2.3	<0.01	1	<1	
MAR										
17...	<1.0	1	<1	<1	20	<1.0	<0.01	<1	<1	
APR										
30...	1.8	<1	<1	<1	20	6.2	<0.01	<1	<1	
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TRI- FLUO- RIN, WATER, DISS, REC (µG/L) (04023)	PROP- CHLOR, WATER, DISS, REC (µG/L) (04024)	HEXA- ZINONE, WATER, DISS, REC (µG/L) (04025)	BUTA- CHLOR, WATER, DISS, REC (µG/L) (04026)	CAR- BOXIN, WATER, DISS, REC (µG/L) (04027)	BUTYL- ATE, WATER, DISS, REC (µG/L) (04028)	BRO- MACIL, WATER, DISS, REC (µG/L) (04029)	SIMA- TRYN, WATER, DISS, REC (µG/L) (04030)	SI- CLOATE, WATER, DISS, REC (µG/L) (04031)
NOV 1996										
06...	7.2	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
JAN 1997										
21...	10	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
MAR										
17...	8.5	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
APR										
30...	7.4	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
JUL										
29...	4.9	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
SEP										
29...	4.2	<0.05	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05

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MISSISSIPPI RIVER DELTA
07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TER- BACIL, WATER, DISS, REC (µG/L) (04032)	DIPHEN- AMID, WATER, DISS, REC (µG/L) (04033)	VERNO- LATE, WATER, DISS, REC (µG/L) (04034)	SI- MAZINE, WATER, DISS, REC (µG/L) (04035)	PRO- METRYN, WATER, DISS, REC (µG/L) (04036)	PRO- METON, WATER, DISS, REC (µG/L) (04037)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (µG/L) (04038)	DEETHYL ATRA- ZINE, WATER, DISS, REC (µG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (µG/L) (04041)	AMETRYN WATER, DISS, REC, (µG/L) (38401)
NOV 1996										
06...	<0.05	<0.05	<0.05	0.079	<0.050	<0.050	<0.050	<0.050	<0.200	<0.050
JAN 1997										
21...	<0.05	<0.05	<0.07	E0.029	<0.050	<0.050	E0.034	E0.039	E0.040	<0.050
MAR										
17...	<0.05	<0.05	<0.40	<0.050	<0.050	<0.050	<0.050	E0.029	E0.050	<0.050
APR										
30...	<0.05	<0.05	<0.05	E0.047	<0.050	<0.050	E0.041	0.071	E0.160	<0.050
JUL										
29...	<0.05	<0.05	<0.05	0.062	E0.039	<0.050	0.074	0.188	0.267	<0.050
SEP										
29...	<0.05	<0.05	<0.05	E0.025	<0.050	<0.050	<0.050	0.060	E0.080	<0.050
DATE	PROP- AZINE WATER DISS REC (µG/L) (38535)	METO- LACHLOR WATER DISSOLV (µG/L) (39415)	ATRA- ZINE, WATER, DISS, REC (µG/L) (39632)	2,4-D, TOTAL (µG/L) (39730)	2,4,5-T TOTAL (µG/L) (39740)	SILVEX, TOTAL (µG/L) (39760)	ALA- CHLOR, WATER, DISS, REC, (µG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (µG/L) (49260)	2, 4-DP TOTAL (µG/L) (82183)	METRI- BUZIN SENCOR WATER DISSOLV (µG/L) (82630)
NOV 1996										
06...	<0.050	0.054	0.130	0.04	<0.01	<0.01	<0.050	<0.050	<0.01	<0.050
JAN 1997										
21...	<0.050	E0.044	0.072	<0.01	<0.01	<0.01	<0.050	<0.050	<0.01	<0.050
MAR										
17...	<0.050	0.059	0.077	--	--	--	<0.050	<0.050	--	<0.050
APR										
30...	<0.050	0.399	0.943	0.05	<0.01	<0.01	E0.040	E0.035	<0.01	E0.045
JUL										
29...	E0.030	0.343	0.793	0.05	<0.01	<0.01	E0.035	E0.046	<0.01	<0.050
SEP										
29...	<0.050	0.087	0.212	<0.01	<0.01	<0.01	<0.050	<0.050	<0.01	<0.050
DATE	CHLOR- PYRIFOS TOTAL RECOVER (µG/L) (38932)	DISUL- FOTON UNFILT RECOVER (µG/L) (39011)	PHORATE TOTAL (µG/L) (39023)	PER- THANE TOTAL (µG/L) (39034)	DEF TOTAL (µG/L) (39040)	PCNS UNFILT RECOVER (µG/L) (39250)	ALDRIN, TOTAL (µG/L) (39330)	LINDANE TOTAL (µG/L) (39340)	CHLOR- DANE, TECH- NICAL TOTAL (µG/L) (39350)	P,P'- DDD UNFILT RECOVER (µG/L) (39360)
NOV 1996										
06...	<0.01	--	<0.02	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01
JAN 1997										
21...	<0.01	<0.050	<0.05	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01
DATE	P,P'- DDE, TOTAL (µG/L) (39365)	P,P'- DDT UNFILT RECOVER (µG/L) (39370)	DI- ELDRIN TOTAL (µG/L) (39380)	ENDO- SULFAN, I TOTAL (µG/L) (39388)	ENDRIN WATER UNFLTRD REC (µG/L) (39390)	ETHION, TOTAL (µG/L) (39398)	TOX- APHENE, TOTAL (µG/L) (39400)	HEPTA- CHLOR, TOTAL (µG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L) (39420)	
NOV 1996										
06...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	
JAN 1997										
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<0.01	<0.01	

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

MISSISSIPPI RIVER DELTA
07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	METH- OXY- CHLOR, TOTAL (μG/L) (39480)	PCB, TOTAL (μG/L) (39516)	MALA- THION, TOTAL (μG/L) (39530)	PARA- THION, TOTAL (μG/L) (39540)	DI- AZINON, TOTAL (μG/L) (39570)	METHYL PARA- THION, TOTAL (μG/L) (39600)	MIREX, TOTAL (μG/L) (39755)	TOTAL TRI- THION (μG/L) (39786)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (μG/L) (82614)
NOV 1996									
06...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1997									
21...	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

CHLOR-A CHLOR-B
PHYTO- PHYTO-
PLANK- PLANK-
TON TON
DATE CHROMO CHROMO
FLUOROMFLUOROM
(μG/L) (μG/L)
(70953) (70954)

NOV 1996		
06...	<0.10	<0.10
JAN 1997		
21...	0.34	<0.10
MAR		
17...	0.27	<0.10
APR		
30...	E0.18	<0.10
JUL		
29...	3.1	0.16
SEP		
29...	2.5	<0.10

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1996					
09...	1230	108000	350	102000	100
22...	1430	47000	112	14000	100
NOV					
06...	0955	112000	146	44000	100
21...	1600	136000	247	91000	100
DEC					
03...	1300	179000	638	309000	94
23...	1400	205000	204	113000	100
JAN 1997					
21...	1155	159000	--	--	--
FEB					
19...	1530	224000	401	242000	69
MAR					
05...	--	228000	350	216000	95
17...	1130	295000	--	--	--
APR					
02...	1330	381000	336	346000	69
17...	1330	315000	175	149000	93
30...	1330	240000	388	251000	67
MAY					
15...	1020	226000	180	110000	99
28...	1545	180000	282	137000	97
JUL					
29...	1100	93000	247	62000	99
AUG					
14...	1400	82000	241	53000	100
SEP					
03...	1400	84000	155	35000	100
17...	1400	57000	243	37000	100
29...	1015	65200	194	34000	100

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

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'46", in NW 1/4 SW 1/4 sec. 4, T. 1 S., R. 1 E., Louisiana Meridian, Evangeline Parish, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft downstream from Cocodrie Lake dam, 1.0 mi downstream from Chicago, Rock Island and Pacific Railroad Company bridge, 1.5 mi east of Clearwater, 4.0 mi south of Meeker, and 5.0 mi downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi².

PERIOD OF RECORD.--May 1922 to January 1925 (published as "near Meeker"), October 1937 to current year. Monthly discharge only for October 1937 published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1938, drainage area. WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above mean Gulf level (levels by Corps of Engineers) and 39.57 ft above sea level (levels by Louisiana Department of Transportation and Development). See WSP 1731 for history of changes prior to Mar. 28, 1940. January to September 1985, auxiliary nonrecording gage 6.6 mi downstream from base gage at datum 35.10 ft above sea level.

REMARKS.--Records good. 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	856	850	257	242	885	2110	787	934	395	186	120	99
2	830	820	242	229	860	2020	755	906	352	169	119	99
3	800	790	231	224	833	1890	718	878	307	159	118	99
4	770	761	222	216	857	1780	665	846	269	150	116	98
5	737	730	215	203	895	1690	635	814	271	141	115	94
6	696	691	205	188	912	1610	614	781	278	134	117	91
7	632	663	195	274	905	1550	580	746	258	128	116	89
8	557	639	184	452	890	1490	536	700	239	125	116	87
9	490	588	174	687	873	1440	486	627	231	128	118	84
10	431	541	165	744	856	1400	439	543	224	128	119	82
11	376	494	163	741	834	1360	396	473	211	125	118	79
12	326	449	157	716	844	1320	385	412	196	122	118	76
13	285	401	150	678	1080	1300	360	356	183	120	119	73
14	251	360	142	628	1290	1280	347	305	178	120	119	70
15	224	327	149	584	1350	1260	334	264	167	118	118	67
16	203	297	257	564	1340	1230	307	231	157	117	117	64
17	189	278	411	554	1310	1200	277	202	154	117	116	61
18	201	326	531	546	1270	1170	253	181	151	116	115	59
19	189	452	582	517	1240	1150	234	176	145	117	111	57
20	170	521	565	479	1210	1130	217	175	140	116	110	56
21	157	534	524	441	1200	1100	201	187	137	115	110	55
22	152	503	481	445	1190	1070	195	201	133	115	112	56
23	148	464	443	453	1170	1040	224	206	128	115	112	55
24	140	426	407	470	1150	1010	218	214	125	113	111	66
25	208	402	368	466	1320	981	213	277	126	113	110	80
26	707	363	336	447	1590	952	362	403	143	115	109	88
27	895	327	309	425	1890	924	646	480	174	115	108	94
28	936	298	292	660	2100	900	893	473	198	115	106	97
29	927	275	278	845	---	871	951	457	205	113	105	97
30	904	264	267	906	---	844	957	451	199	118	103	96
31	877	---	252	905	---	817	---	427	---	121	101	---
TOTAL	15264	14834	9154	15929	32144	39889	14185	14326	6074	3904	3522	2368
MEAN	492	494	295	514	1148	1287	473	462	202	126	114	78.9
MAX	936	850	582	906	2100	2110	957	934	395	186	120	99
MIN	140	264	142	188	833	817	195	175	125	113	101	55
AC-FT	30280	29420	18160	31600	63760	79120	28140	28420	12050	7740	6990	4700
CFSM	2.05	2.06	1.23	2.14	4.78	5.36	1.97	1.93	.84	.52	.47	.33
IN.	2.37	2.30	1.42	2.47	4.98	6.18	2.20	2.22	.94	.61	.55	.37

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1997, BY WATER YEAR (WY)

MEAN	196	309	518	639	682	646	625	567	338	276	230	190	
MAX	1174	1979	1738	1780	1379	1287	1672	4052	1175	1921	943	698	
(WY)	1985	1986	1983	1983	1974	1997	1995	1953	1989	1989	1975	1979	
MIN	53.6	56.0	66.4	103	128	155	118	81.4	57.4	63.1	65.4	58.1	
(WY)	1953	1925	1925	1981	1981	1996	1963	1965	1960	1960	1948	1952	
SUMMARY STATISTICS			FOR 1996 CALENDER YEAR			FOR 1997 WATER YEAR			WATER YEARS 1923 - 1997				
ANNUAL TOTAL			111321			171593							
ANNUAL MEAN			305			470			437				
HIGHEST ANNUAL MEAN									720				
LOWEST ANNUAL MEAN									178				
HIGHEST DAILY MEAN			950			Jan 1			2110			Mar1	
LOWEST DAILY MEAN			40			May 28			55			Sep 21,23	
ANNUAL SEVEN-DAY MINIMUM			49			May 23			57			Sep 17	
INSTANTANEOUS PEAK FLOW									2140			Feb 28, Mar 1	
INSTANTANEOUS PEAK STAGE									20.03			Feb 28, Mar 1	
INSTANTANEOUS LOW FLOW									54			Sep 23	
INSTANTANEOUS LOW STAGE									5.05			Sep 23	
ANNUAL RUNOFF (AC-FT)			220790			340400			316400				
ANNUAL RUNOFF (CFSM)			1.27			1.96			1.82				
ANNUAL RUNOFF (INCHES)			17.27			26.60			24.72				
10 PERCENT EXCEEDS						1090			974				
50 PERCENT EXCEEDS						297			276				
90 PERCENT EXCEEDS						110			87				

a Regulated flow

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.05	14.00	8.12	7.92	14.28	19.99	13.47	14.67	9.77	7.41	6.28	5.88
2	13.83	13.75	7.92	7.76	14.07	19.83	13.20	14.44	9.35	7.15	6.26	5.89
3	13.58	13.50	7.79	7.69	13.86	19.60	12.86	14.22	8.90	6.99	6.24	5.88
4	13.32	13.24	7.66	7.57	14.05	19.36	12.39	13.96	8.49	6.83	6.21	5.87
5	13.04	12.97	7.57	7.40	14.36	19.11	12.11	13.69	8.51	6.68	6.19	5.79
6	12.67	12.62	7.42	7.19	14.49	18.86	11.90	13.42	8.59	6.55	6.22	5.74
7	12.08	12.36	7.29	8.30	14.44	18.63	11.57	13.12	8.37	6.43	6.21	5.70
8	11.39	12.15	7.12	10.23	14.32	18.39	11.13	12.70	8.14	6.38	6.21	5.67
9	10.74	11.65	6.96	12.58	14.18	18.15	10.60	12.03	8.04	6.45	6.24	5.63
10	10.15	11.18	6.82	13.10	14.05	17.91	10.08	11.24	7.94	6.43	6.27	5.57
11	9.62	10.69	6.79	13.07	13.86	17.68	9.63	10.55	7.77	6.37	6.24	5.51
12	9.14	10.19	6.70	12.85	13.95	17.44	9.52	9.93	7.56	6.32	6.25	5.45
13	8.72	9.69	6.57	12.51	15.78	17.29	9.26	9.39	7.37	6.29	6.26	5.39
14	8.34	9.26	6.43	12.04	17.19	17.18	9.13	8.88	7.29	6.28	6.26	5.33
15	8.02	8.92	6.54	11.61	17.60	17.04	8.99	8.44	7.11	6.23	6.25	5.28
16	7.73	8.58	8.10	11.41	17.54	16.85	8.70	8.04	6.96	6.22	6.23	5.22
17	7.53	8.36	9.79	11.31	17.34	16.63	8.36	7.64	6.90	6.23	6.21	5.18
18	7.70	8.90	11.07	11.23	17.11	16.41	8.07	7.34	6.84	6.20	6.18	5.14
19	7.52	10.23	11.59	10.93	16.88	16.27	7.83	7.25	6.74	6.22	6.11	5.10
20	7.23	10.97	11.42	10.53	16.67	16.12	7.59	7.24	6.66	6.21	6.08	5.08
21	7.02	11.10	11.00	10.11	16.59	15.93	7.37	7.42	6.60	6.18	6.09	5.07
22	6.94	10.78	10.55	10.15	16.51	15.72	7.29	7.64	6.53	6.19	6.13	5.08
23	6.86	10.35	10.13	10.23	16.38	15.49	7.68	7.70	6.43	6.19	6.13	5.07
24	6.73	9.95	9.75	10.42	16.27	15.26	7.62	7.81	6.38	6.14	6.11	5.27
25	7.72	9.70	9.34	10.37	17.42	15.03	7.54	8.57	6.40	6.13	6.09	5.53
26	12.75	9.29	9.01	10.17	18.79	14.81	9.27	9.85	6.71	6.18	6.06	5.70
27	14.35	8.91	8.72	9.94	19.57	14.59	12.14	10.62	7.23	6.19	6.04	5.81
28	14.68	8.60	8.53	12.30	19.97	14.40	14.34	10.55	7.58	6.18	6.01	5.85
29	14.61	8.34	8.37	13.95	---	14.17	14.80	10.38	7.69	6.14	5.99	5.86
30	14.43	8.20	8.23	14.44	---	13.95	14.84	10.32	7.60	6.25	5.95	5.83
31	14.21	---	8.06	14.44	---	13.72	---	10.08	---	6.30	5.92	---
MAX	14.68	14.00	11.59	14.44	19.97	19.99	14.84	14.67	9.77	7.41	6.28	5.89
MIN	6.73	8.20	6.43	7.19	13.86	13.72	7.29	7.24	6.38	6.13	5.92	5.07

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW 1/4 NW 1/4 sec. 81, T. 5 S., R. 4 E., Louisiana Meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi upstream from Southern Pacific Transportation Company bridge, 1.2 mi upstream from Bayou Carron, 3.5 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi north of Opelousas.

DRAINAGE AREA.--715 mi². See REMARKS.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi upstream from base at same datum.

REMARKS--Records good, except for estimated daily discharge: Dec. 14-15, Aug. 12-13; which are 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.--51 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, 4,980 ft³/s, Mar. 5, elevation, 26.93 ft; maximum elevation, 27.17 ft, Feb. 27, 28, Mar. 2 minimum discharge, 98 ft³/s, Sept. 17, minimum elevation, 16.22 ft, Dec. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2210	3420	409	562	3200	4560	1090	4020	895	225	149	111
2	1700	2920	399	467	2850	4730	995	4010	740	211	136	139
3	1250	2310	443	383	2310	4850	905	3930	600	165	129	340
4	1080	1660	459	403	2050	4930	856	3740	447	196	144	346
5	878	1200	360	338	2420	4970	1210	3370	385	207	152	389
6	832	1030	284	293	2210	4960	1910	2800	359	196	147	356
7	702	1090	241	1010	1910	4890	1830	2110	401	180	155	327
8	630	1500	265	2340	1970	4780	1500	1430	432	265	313	261
9	569	1260	246	2940	2010	4630	1160	1030	602	548	328	225
10	479	1070	165	2820	1880	4470	873	814	559	515	399	252
11	418	880	155	2520	1650	4320	716	677	641	374	368	276
12	367	725	227	2000	1620	4110	889	561	613	245	e320	290
13	328	571	173	1560	3230	3880	1170	441	423	172	e280	282
14	309	513	e160	1280	3450	3680	1130	381	316	268	246	233
15	276	494	e150	1090	3740	3450	947	354	305	244	267	125
16	269	375	848	1470	4040	3090	756	311	253	201	440	106
17	229	295	2010	1440	4220	2650	605	311	204	195	459	98
18	526	231	2140	1220	4280	2170	484	254	279	180	460	106
19	507	898	1880	976	4250	2120	438	206	208	144	446	100
20	348	1170	1580	712	4160	2200	405	479	193	147	418	121
21	275	1200	1250	690	3880	2010	339	449	184	147	372	115
22	256	1100	943	1380	3850	1680	277	334	142	150	374	112
23	304	933	708	2250	3820	1440	349	334	120	162	360	139
24	245	701	574	1730	3700	1310	354	751	140	200	355	155
25	1530	797	553	1220	3600	1250	314	1870	133	206	333	247
26	2980	753	495	856	3680	1260	1570	2440	326	145	358	189
27	3140	687	372	813	3980	1440	3020	2310	428	129	214	168
28	3400	510	382	2300	4340	1530	3280	1880	396	130	191	176
29	3670	431	423	3290	---	1390	3570	1860	356	122	153	164
30	3780	390	674	3320	---	1230	3860	1570	300	140	102	130
31	3710	---	683	3360	---	1190	---	1140	---	138	113	---
TOTAL	37197	31114	19651	47033	88300	95170	36802	46167	11380	6547	8681	6078
MEAN	1200	1037	634	1517	3154	3070	1227	1489	379	211	280	203
MAX	3780	3420	2140	3360	4340	4970	3860	4020	895	548	460	389
MIN	229	231	150	293	1620	1190	277	206	120	122	102	98
AC-FT	73780	61710	38980	93290	175100	188800	73000	91570	22570	12990	17220	12060

e Estimated

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.55	24.20	16.86	18.48	23.43	27.16	19.34	26.29	19.14	18.19	18.35	18.30
2	20.48	23.05	17.10	18.47	22.41	27.16	19.16	25.68	18.63	18.34	18.35	18.34
3	19.94	21.65	17.11	18.12	21.10	27.13	19.01	25.48	18.60	18.27	18.34	18.48
4	19.57	20.38	16.92	17.77	20.37	27.05	18.94	25.09	18.57	18.26	18.35	18.52
5	19.21	19.91	16.55	17.52	21.41	26.95	19.83	24.25	18.49	18.25	18.35	18.56
6	18.99	19.60	16.34	17.69	21.00	26.86	21.33	22.93	18.46	18.25	18.34	18.55
7	18.75	19.52	16.73	19.04	20.21	26.71	21.13	21.23	18.58	18.29	18.35	18.53
8	18.67	20.17	16.66	21.99	20.29	26.48	20.41	19.80	18.72	18.41	18.49	18.46
9	18.70	19.87	16.49	23.34	20.46	26.17	19.64	19.01	18.86	18.62	18.44	18.42
10	18.57	19.43	16.51	23.35	20.01	25.75	19.06	18.95	18.91	18.50	18.63	18.42
11	18.53	19.14	16.67	22.38	19.33	25.19	18.77	18.75	18.99	18.36	18.57	18.43
12	18.51	18.77	16.53	20.90	19.66	24.67	19.24	18.52	18.88	18.50	18.54	18.46
13	18.55	18.55	16.59	19.60	25.31	24.40	19.75	18.40	18.50	18.53	18.43	18.46
14	18.54	18.63	16.42	19.01	26.28	24.19	19.60	18.50	18.23	18.53	18.46	18.44
15	18.51	18.58	16.66	19.32	26.47	23.74	19.25	18.48	18.42	18.40	18.41	18.37
16	18.23	18.42	18.54	20.12	26.20	22.98	18.87	18.58	18.32	18.45	18.51	18.31
17	18.32	18.35	20.92	19.88	25.88	21.99	18.59	18.53	18.28	18.45	18.57	18.28
18	18.71	18.47	21.01	19.12	25.58	21.09	18.46	18.54	18.28	18.42	18.57	18.26
19	18.92	18.93	20.21	18.34	25.32	21.24	18.60	18.56	18.16	18.38	18.55	18.26
20	18.63	19.39	19.15	18.53	25.05	21.42	18.48	18.90	18.39	18.36	18.52	18.28
21	18.47	19.40	18.25	18.51	25.48	21.06	18.50	18.65	18.26	18.35	18.48	18.29
22	18.32	19.24	17.50	19.64	25.30	20.46	18.49	18.39	18.18	18.36	18.44	18.28
23	18.40	18.96	17.16	21.86	24.84	20.06	18.52	18.45	18.27	18.39	18.43	18.30
24	18.49	18.59	17.64	20.98	24.58	19.85	18.53	19.00	18.29	18.52	18.40	18.34
25	21.39	18.67	17.79	19.57	26.11	19.70	18.47	20.89	18.40	18.51	18.45	18.39
26	25.92	18.75	17.61	19.30	26.88	19.72	20.72	22.29	18.59	18.41	18.52	18.40
27	26.93	18.58	17.41	18.87	27.15	19.96	24.96	22.09	18.44	18.38	18.44	18.37
28	26.94	18.14	17.21	21.90	27.15	20.07	26.64	21.08	18.32	18.35	18.40	18.38
29	26.54	17.60	17.46	24.38	---	19.81	26.90	20.72	18.23	18.33	18.38	18.38
30	25.88	17.05	18.48	24.79	---	19.58	26.75	20.51	17.99	18.33	18.33	18.34
31	25.13	---	18.02	24.30	---	19.52	---	19.70	---	18.33	18.31	---
MAX	26.94	24.20	21.01	24.79	27.15	27.16	26.90	26.29	19.14	18.62	18.63	18.56
MIN	18.23	17.05	16.34	17.52	19.33	19.52	18.46	18.39	17.99	18.19	18.31	18.26

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE 1/4 sec. 29, T. 1 N., R. 5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaises.

DRAINAGE AREA.--270 mi². See REMARKS.

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

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft higher. Water-stage recorder for Bayou des Glaises diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Records good except for periods of no auxiliary record, January 8 and 9, which are fair. Diversion channel carries natural flow of Bayou des Glaises except when operation of floodgates, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi downstream. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--54 years, 441 ft³/s, 319,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft³/s, May 18, 1953, gage height, 22.68 ft, present datum; minimum, 2.7 ft³/s, Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 2,280 ft³/s, Feb. 26, gage height, 18.52 ft; maximum gage height, 18.59 ft, Feb. 25; minimum daily discharge, 15 ft³/s, Jul. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	909	1150	223	371	1150	2210	236	1240	449	85	38	17
2	973	1100	219	283	1140	2180	221	1220	314	79	63	20
3	934	1020	219	223	1110	2170	196	1190	267	57	51	28
4	855	948	174	189	1380	2160	186	1140	221	37	36	33
5	769	874	137	163	1300	2130	280	1070	193	25	24	45
6	636	789	115	145	1180	2100	544	987	161	20	16	57
7	434	836	102	801	1140	2050	592	907	148	34	16	53
8	276	876	92	e1390	1160	2000	457	826	167	43	22	43
9	184	683	85	e1590	1080	1930	312	716	717	56	51	37
10	136	544	78	1200	1030	1820	227	535	630	181	160	29
11	82	381	71	1060	969	1730	188	360	598	161	323	33
12	50	257	65	991	1140	1640	243	264	481	107	299	37
13	39	174	64	926	1940	1660	387	220	325	79	236	34
14	33	116	64	855	1660	1590	412	172	221	67	160	32
15	30	78	73	819	1560	1480	326	140	177	67	125	32
16	25	66	561	860	1530	1400	236	188	171	58	138	27
17	22	60	953	760	1510	1300	193	177	151	42	149	24
18	44	75	910	655	1510	1240	210	207	147	34	121	25
19	222	531	904	489	1510	1190	196	191	160	27	112	21
20	228	632	886	360	1490	1130	182	183	157	16	101	18
21	144	581	838	363	1670	1070	197	170	128	15	71	17
22	79	431	743	717	1610	996	185	164	116	27	73	18
23	73	291	539	817	1520	929	170	195	101	39	83	19
24	61	210	350	628	1520	864	161	334	93	54	88	23
25	436	185	249	484	2120	793	142	1230	86	34	69	81
26	1560	155	197	352	2180	702	783	966	238	31	51	127
27	1350	148	171	266	2110	617	1520	859	250	25	39	99
28	1250	130	155	1360	2230	530	1580	804	181	16	25	63
29	1250	110	205	1330	---	401	1340	761	129	15	20	41
30	1220	132	373	1200	---	300	1290	717	94	20	19	31
31	1190	---	444	1150	---	238	---	664	---	19	16	---
TOTAL	15494	13563	10259	22797	41449	42550	13192	18797	7271	1570	2795	1164
MEAN	500	452	331	735	1480	1373	440	606	242	50.6	90.2	38.8
MAX	1560	1150	953	1590	2230	2210	1580	1240	717	181	323	127
MIN	22	60	64	145	969	238	142	140	86	15	16	17
AC-FT	30730	26900	20350	45220	82210	84400	26170	37280	14420	3110	5540	2310
CAL YR 1996	TOTAL	114489.6	MEAN	313	MAX	2100	MIN	8.0	AC-FT	227100		
WTR YR 1997	TOTAL	190901	MEAN	523	MAX	2230	MIN	15	AC-FT	378700		

e Estimated

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.18	9.42	3.76	4.90	9.40	15.51	3.87	9.87	5.44	2.65	2.10	1.84
2	8.51	9.16	3.74	4.25	9.37	14.64	3.75	9.73	4.48	2.60	2.43	1.90
3	8.31	8.78	3.73	3.77	9.20	14.24	3.55	9.62	4.12	2.36	2.28	2.04
4	7.89	8.38	3.38	3.49	10.81	13.89	3.47	9.35	3.75	2.10	2.08	2.13
5	7.41	7.99	3.08	3.29	10.19	13.66	4.20	8.99	3.53	1.91	1.90	2.29
6	6.63	7.52	2.91	3.15	9.53	13.47	6.07	8.59	3.27	1.81	1.72	2.42
7	5.34	7.76	2.81	7.37	9.38	13.25	6.37	8.17	3.17	2.05	1.72	2.37
8	4.19	7.99	2.74	10.73	9.46	13.07	5.50	7.73	3.32	2.18	1.86	2.26
9	3.46	6.92	2.68	11.88	9.07	12.79	4.47	7.10	7.10	2.33	2.28	2.18
10	3.08	6.07	2.62	9.79	8.82	12.40	3.80	6.01	6.60	3.43	3.26	2.05
11	2.65	4.97	2.56	8.98	8.49	12.04	3.49	4.82	6.40	3.27	4.56	2.12
12	2.35	4.04	2.50	8.61	9.98	11.67	3.93	4.10	5.66	2.84	4.37	2.17
13	2.20	3.38	2.49	8.26	16.98	11.79	5.02	3.74	4.57	2.60	3.88	2.14
14	2.12	2.92	2.49	7.89	14.56	11.45	5.19	3.36	3.75	2.48	3.27	2.10
15	2.07	2.62	2.57	7.69	12.10	10.98	4.57	3.11	3.40	2.47	2.99	2.10
16	1.99	2.51	5.99	7.91	11.30	10.59	3.88	3.49	3.35	2.37	3.09	2.03
17	1.94	2.45	8.41	7.36	11.10	10.21	3.53	3.40	3.20	2.17	3.18	1.97
18	2.21	2.56	8.18	6.75	11.10	9.84	3.67	3.64	3.16	2.06	2.96	2.00
19	3.76	5.96	8.15	5.71	11.08	9.62	3.55	3.52	3.27	1.94	2.89	1.92
20	3.81	6.61	8.05	4.83	11.01	9.33	3.44	3.45	3.25	1.74	2.80	1.87
21	3.14	6.30	7.79	4.85	11.77	8.99	3.56	3.34	3.02	1.70	2.56	1.84
22	2.63	5.32	7.26	7.03	11.56	8.63	3.47	3.30	2.92	1.94	2.57	1.85
23	2.57	4.31	6.03	7.67	11.14	8.28	3.35	3.54	2.79	2.12	2.66	1.89
24	2.46	3.66	4.75	6.59	11.19	7.93	3.28	4.59	2.73	2.32	2.71	1.95
25	5.19	3.47	3.98	5.68	17.40	7.55	3.13	9.86	2.66	2.05	2.54	2.61
26	15.00	3.23	3.56	4.76	17.70	7.03	7.36	8.47	3.88	2.01	2.36	3.01
27	13.31	3.17	3.35	4.11	16.72	6.53	13.67	7.91	3.98	1.91	2.20	2.81
28	10.83	3.03	3.23	11.73	16.77	5.98	14.37	7.61	3.43	1.74	1.99	2.56
29	9.98	2.87	3.62	11.42	---	5.12	11.31	7.37	3.02	1.70	1.90	2.35
30	9.74	3.05	4.92	9.71	---	4.38	10.14	7.10	2.73	1.83	1.88	2.23
31	9.61	---	5.42	9.39	---	3.89	---	6.79	---	1.81	1.81	---
MAX	15.00	9.42	8.41	11.88	17.70	15.51	14.37	9.87	7.10	3.43	4.56	3.01
MIN	1.94	2.45	2.49	3.15	8.49	3.89	3.13	3.11	2.66	1.70	1.72	1.84

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.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft, May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.30 ft, Feb. 27; minimum, 11.35 ft, Sep. 29, 30.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.25	16.50	12.72	13.94	16.02	17.29	16.60	17.10	14.35	13.12	12.77	11.87
2	14.19	16.34	12.70	13.82	15.94	17.27	16.56	17.05	14.35	13.03	12.69	11.83
3	13.85	16.12	12.64	13.70	15.81	17.22	16.52	17.17	14.28	12.93	12.60	11.80
4	13.55	15.87	12.58	13.60	15.69	17.16	16.52	17.19	14.21	12.84	12.53	11.78
5	13.31	15.56	12.56	13.48	15.58	17.09	16.71	17.10	14.07	12.76	12.47	11.76
6	13.14	15.20	12.55	13.37	15.46	16.99	16.78	16.95	13.85	12.71	12.41	11.78
7	13.04	14.96	12.52	13.66	15.34	16.88	16.75	16.75	13.66	12.90	12.36	11.83
8	12.91	14.99	12.47	14.56	15.21	16.76	16.69	16.49	13.56	13.27	12.39	11.85
9	12.80	14.84	12.40	14.98	15.10	16.62	16.60	16.20	13.75	13.81	12.44	11.89
10	12.68	14.65	12.34	15.13	14.98	16.49	16.52	15.90	13.86	14.20	12.48	11.88
11	12.57	14.42	12.31	15.11	14.83	16.38	16.46	15.58	13.90	14.23	12.51	11.84
12	12.46	14.19	12.28	15.06	14.86	16.30	16.47	15.24	13.82	14.14	12.54	11.87
13	12.35	13.99	12.25	14.96	16.07	16.33	16.40	14.90	13.67	13.97	12.55	11.90
14	12.23	13.83	12.21	14.79	16.48	16.33	16.33	14.62	13.49	13.82	12.54	11.91
15	12.13	13.69	12.21	14.59	16.59	16.31	16.25	14.39	13.33	13.58	12.52	11.86
16	12.03	13.57	13.14	14.73	16.61	16.29	16.16	14.22	13.17	13.36	12.49	11.80
17	11.99	13.47	14.41	14.74	16.59	16.29	16.05	14.06	13.15	13.17	12.46	11.75
18	12.50	13.41	14.68	14.68	16.57	16.29	15.95	13.94	13.20	13.01	12.45	11.69
19	13.26	13.33	14.66	14.55	16.52	16.37	15.84	13.83	13.16	12.89	12.40	11.65
20	13.50	13.25	14.51	14.31	16.44	16.43	15.72	13.75	13.16	12.78	12.35	11.60
21	13.50	13.18	14.31	14.07	16.72	16.51	15.60	13.74	13.16	12.71	12.35	11.56
22	13.40	13.09	14.11	14.24	16.79	16.51	15.47	13.82	13.11	12.62	12.34	11.52
23	13.26	13.02	13.90	15.02	16.70	16.50	15.32	13.83	13.03	12.55	12.37	11.49
24	13.12	12.96	13.70	15.25	16.66	16.50	15.17	13.89	12.93	12.65	12.35	11.47
25	14.66	12.91	13.56	15.19	17.06	16.48	15.01	13.97	12.84	12.80	12.29	11.45
26	16.40	12.86	13.43	14.97	17.24	16.51	15.02	14.11	12.97	12.94	12.21	11.42
27	16.87	12.81	13.45	14.68	17.28	16.53	16.11	14.24	13.05	13.00	12.15	11.38
28	16.89	12.77	13.45	15.41	17.29	16.55	16.89	14.27	13.03	13.00	12.09	11.37
29	16.83	12.72	13.62	15.98	---	16.55	17.07	14.26	13.18	12.94	12.03	11.36
30	16.78	12.69	13.99	16.08	---	16.60	17.12	14.29	13.19	12.89	11.97	11.35
31	16.68	---	14.06	16.08	---	16.64	---	14.33	---	12.81	11.92	---
MAX	16.89	16.50	14.68	16.08	17.29	17.29	17.12	17.19	14.35	14.23	12.77	11.91
MIN	11.99	12.69	12.21	13.37	14.83	16.29	15.01	13.74	12.84	12.55	11.92	11.35

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner sec. 63, T. 7 S., R. 5 E., Louisiana Meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft upstream from Bayou Fusilier.

DRAINAGE AREA.--Approximately 1,530 mi². See REMARKS.

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder, May 26, 1960 to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station. Prior to Feb. 4, 1953, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of missing record which are fair. 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.--48 years, 890 ft³/s, 644,800 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, 1,950 ft³/s, Apr. 27; maximum elevation, 21.23 ft, Oct. 26; minimum discharge, 690 ft³/s, Dec. 6; minimum elevation, 12.57 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	e1850	779	1020	1300	1850	1150	1900	1100	997	1020	981
2	1240	1790	787	1030	1210	1720	1090	1710	1020	1020	1010	982
3	1190	1580	802	1000	1120	1610	1060	1610	1000	1010	1010	997
4	1130	1380	781	942	1110	1530	1050	1510	1010	1000	1010	1010
5	1090	1270	753	888	1160	1480	1300	1400	1010	1000	1010	1010
6	1070	1190	704	899	1150	1460	1420	1310	991	1000	1010	1030
7	1050	1210	741	1200	1090	1440	1310	1220	994	1020	1010	1030
8	1020	1270	752	1500	1040	1420	1230	1120	1030	1040	1020	1020
9	1030	1200	729	1400	1050	1410	1160	1050	1060	1060	1020	1010
10	1020	1120	717	1320	1030	1390	1100	1060	1050	1040	1030	1010
11	1010	1090	745	1240	973	1360	1060	1060	1090	1010	1030	1010
12	1010	1050	735	1140	1080	1320	1240	1040	1020	1030	1030	1010
13	1020	1020	717	1060	1630	1350	1240	1010	988	1060	1010	1010
14	1020	1030	709	965	1350	1340	1170	1000	946	1190	1010	1010
15	1020	1030	735	1070	1560	1300	1110	1000	965	1060	1010	1000
16	992	1010	1190	1190	1860	1260	1070	1030	962	1040	1010	996
17	984	1000	1370	1130	1670	1220	1030	1010	1020	1040	1020	990
18	1020	1090	1210	1040	1500	1180	1010	1000	1110	1030	1020	981
19	1040	1140	1060	935	1390	1230	1020	1040	1020	1020	1020	973
20	1030	1100	943	974	1340	1230	1020	1080	1010	1020	1020	974
21	1010	1080	871	1010	1730	1210	1020	1070	999	1020	1020	977
22	985	1060	806	1030	1810	1180	1020	1030	979	1020	1000	978
23	981	1050	763	1190	1640	1160	1020	1000	991	1020	1000	981
24	1010	1020	837	1150	1580	1150	1020	1160	989	1030	997	987
25	e1700	1000	893	1030	1780	1140	1010	1420	1020	1040	1000	990
26	e1350	1020	891	1060	1580	1170	1170	1270	1070	1030	1020	991
27	e1250	1020	894	1070	1680	1140	1950	1850	1120	1020	1010	988
28	e1200	990	855	1500	1840	1130	1690	1650	1090	1010	1000	988
29	e1220	918	1140	1670	---	1120	1630	1480	1080	1010	996	990
30	e1470	835	1340	1560	---	1190	1650	1310	1010	1010	989	988
31	e1750	---	1060	1410	---	1290	---	1190	---	1010	984	---
TOTAL	35272	34413	27309	35623	39253	40980	36020	38590	30744	31907	31346	29892
MEAN	1138	1147	881	1149	1402	1322	1201	1245	1025	1029	1011	996
MAX	1750	1850	1370	1670	1860	1850	1950	1900	1120	1190	1030	1030
MIN	981	835	704	888	973	1120	1010	1000	946	997	984	973
AC-FT	69960	68260	54170	70660	77860	81280	71450	76540	60980	63290	62170	59290

e Estimated

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.44	17.91	12.95	14.00	15.15	17.39	14.53	17.59	14.33	13.91	13.99	13.84
2	14.92	17.16	12.99	14.06	14.79	16.89	14.28	16.85	13.99	14.01	13.95	13.84
3	14.69	16.32	13.06	13.92	14.41	16.43	14.17	16.45	13.93	13.97	13.94	13.91
4	14.46	15.51	12.96	13.67	14.36	16.11	14.14	16.04	13.97	13.93	13.95	13.95
5	14.31	15.03	12.84	13.44	14.61	15.93	15.15	15.59	13.94	13.92	13.95	13.96
6	14.22	14.73	12.63	13.48	14.55	15.82	15.66	15.23	13.88	13.92	13.97	14.03
7	14.12	14.80	12.79	14.76	14.29	15.74	15.23	14.82	13.89	14.00	13.96	14.05
8	14.01	15.04	12.84	16.00	14.09	15.68	14.86	14.41	14.05	14.09	13.99	14.00
9	14.06	14.74	12.74	15.60	14.15	15.62	14.60	14.14	14.16	14.15	13.98	13.97
10	13.99	14.41	12.69	15.27	14.05	15.54	14.33	14.19	14.14	14.08	14.03	13.95
11	13.96	14.28	12.81	14.92	13.80	15.40	14.18	14.16	14.31	13.98	14.03	13.95
12	13.95	14.14	12.77	14.49	14.23	15.27	14.93	14.07	14.01	14.03	14.02	13.95
13	13.98	14.00	12.69	14.16	18.37	15.40	14.92	13.95	13.86	14.18	13.96	13.97
14	14.00	14.03	12.65	13.77	18.71	15.35	14.62	13.93	13.69	14.72	13.96	13.96
15	13.99	14.03	12.76	14.21	18.18	15.17	14.40	13.92	13.77	14.18	13.94	13.93
16	13.88	13.97	14.70	14.72	17.45	15.00	14.22	14.03	13.76	14.07	13.94	13.90
17	13.85	13.92	15.47	14.45	16.70	14.83	14.06	13.96	14.00	14.07	13.99	13.87
18	13.98	14.31	14.78	14.07	16.01	14.69	13.94	13.93	14.39	14.05	14.02	13.84
19	14.09	14.51	14.17	13.64	15.56	14.88	14.01	14.09	13.99	14.02	14.00	13.80
20	14.03	14.34	13.67	13.80	15.35	14.88	13.99	14.27	13.98	14.00	13.98	13.81
21	13.94	14.24	13.36	13.97	16.91	14.80	13.99	14.19	13.91	13.98	13.99	13.82
22	13.85	14.18	13.07	14.06	17.24	14.68	14.01	14.03	13.82	14.00	13.94	13.82
23	13.83	14.11	12.89	14.72	16.57	14.60	13.99	13.92	13.88	14.00	13.92	13.84
24	13.97	14.00	13.21	14.53	16.33	14.56	13.99	14.60	13.87	14.05	13.90	13.86
25	18.34	13.92	13.46	14.05	18.34	14.50	13.98	16.08	14.00	14.07	13.92	13.87
26	20.91	13.99	13.45	14.18	18.87	14.65	14.64	18.03	14.20	14.04	13.98	13.88
27	21.02	14.02	13.46	14.22	18.50	14.49	18.22	17.42	14.44	13.99	13.96	13.87
28	20.65	13.87	13.29	15.97	17.95	14.46	19.18	16.59	14.29	13.96	13.92	13.86
29	19.80	13.56	14.49	16.70	---	14.41	18.88	15.93	14.25	13.95	13.90	13.87
30	19.47	13.20	15.32	16.24	---	14.72	18.32	15.22	13.96	13.96	13.87	13.86
31	18.71	---	14.18	15.62	---	15.12	---	14.73	---	13.96	13.85	---
MAX	21.02	17.91	15.47	16.70	18.87	17.39	19.18	18.03	14.44	14.72	14.03	14.05
MIN	13.83	13.20	12.63	13.44	13.80	14.41	13.94	13.92	13.69	13.91	13.85	13.80

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft below sea level. Water-stage recorder for Bayou Teche at Keystone Lock lower gage (station 07385702) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharge. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion freshwater diversion operational during the year anytime the flow in Bayou Courtableau does not bypass by way of Courtableau weirs near Krotz Springs. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water from irrigation is diverted through Ruth Canal (Station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft to 9.47 ft in June 1957. Dam submerged, Oct. 26-27, Apr. 27-28.

AVERAGE DISCHARGE.--38 years, 494 ft³/s, 357,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s, Sept. 5, 1973, maximum gage height, 16.15 ft, Oct. 23, 1984; minimum discharge, no flow at times in 1962-64, 1972, and 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1913, 24.30 ft, May 27, 1927; minimum, 0.75 ft, July 18, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,010 ft³/s, Oct. 26, gage height, 13.24 ft; minimum discharge, 141 ft³/s, Sept. 20, 21, gage height, 9.89 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	782	1180	258	527	798	1150	469	1200	508	442	491	154
2	693	1060	229	521	743	1080	407	1070	447	417	421	152
3	581	943	250	491	693	1000	372	1030	402	403	412	158
4	535	828	254	455	805	937	419	929	375	388	428	162
5	498	733	253	428	707	897	931	860	359	375	438	166
6	513	672	239	406	692	866	893	807	333	382	455	239
7	482	676	238	662	630	851	763	752	375	425	376	275
8	413	704	250	828	528	846	581	699	409	478	255	250
9	392	650	247	783	503	834	526	650	402	444	250	243
10	372	603	242	719	505	846	478	628	373	414	255	242
11	346	567	253	667	475	823	479	638	419	393	269	238
12	336	547	272	619	724	798	739	630	370	383	254	236
13	335	522	263	589	1590	872	591	534	332	422	251	243
14	338	503	260	502	1370	816	531	378	309	697	239	246
15	337	498	339	575	1300	703	490	330	292	501	236	248
16	340	484	1060	666	1180	657	452	384	295	428	238	242
17	321	478	898	622	1060	630	409	323	698	412	249	238
18	337	530	757	580	949	610	365	310	860	406	256	213
19	338	591	645	520	862	716	302	349	670	396	243	154
20	340	558	568	498	796	654	295	385	621	385	243	148
21	332	537	510	523	1050	626	269	383	608	408	261	151
22	332	512	467	549	1080	600	173	378	598	428	240	161
23	312	500	419	623	1020	583	141	394	519	401	243	222
24	313	442	365	683	1160	570	108	620	380	410	236	240
25	1300	375	375	603	1450	564	113	976	398	445	236	234
26	2360	364	388	557	1420	597	502	1160	460	461	235	222
27	1930	365	432	576	1360	446	1550	969	570	399	183	219
28	1670	359	398	1210	1250	399	1670	880	546	389	168	221
29	1540	329	535	1040	---	386	1400	872	519	406	162	227
30	1420	291	700	971	---	416	1290	683	506	439	157	226
31	1310	---	618	883	---	511	---	585	---	434	156	---
TOTAL	21448	17401	12982	19876	26700	22284	17708	20786	13953	13211	8536	6370
MEAN	692	580	419	641	954	719	590	671	465	426	275	212
MAX	2360	1180	1060	1210	1590	1150	1670	1200	860	697	491	275
MIN	312	291	229	406	475	386	108	310	292	375	156	148
AC-FT	42540	34510	25750	39420	52960	44200	35120	41230	27680	26200	16930	12630

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.69	11.07	10.07	10.41	10.71	11.05	10.35	11.08	10.39	10.32	10.40	9.92
2	10.60	10.96	10.02	10.41	10.65	10.98	10.27	10.97	10.32	10.29	10.32	9.91
3	10.48	10.85	10.05	10.37	10.60	10.91	10.23	10.94	10.26	10.28	10.31	9.92
4	10.42	10.74	10.06	10.33	10.72	10.85	10.28	10.84	10.23	10.26	10.33	9.93
5	10.38	10.64	10.06	10.30	10.61	10.81	10.84	10.77	10.21	10.24	10.34	9.94
6	10.40	10.58	10.04	10.27	10.60	10.78	10.80	10.72	10.17	10.26	10.36	10.06
7	10.36	10.58	10.04	10.56	10.53	10.76	10.67	10.66	10.23	10.31	10.26	10.12
8	10.28	10.61	10.05	10.74	10.42	10.76	10.48	10.61	10.27	10.38	10.09	10.08
9	10.25	10.55	10.05	10.69	10.39	10.75	10.41	10.55	10.26	10.34	10.08	10.07
10	10.23	10.50	10.04	10.63	10.39	10.76	10.36	10.53	10.23	10.30	10.09	10.07
11	10.19	10.46	10.06	10.57	10.35	10.74	10.36	10.54	10.29	10.27	10.11	10.07
12	10.18	10.44	10.09	10.52	10.59	10.71	10.64	10.53	10.22	10.26	10.09	10.06
13	10.18	10.41	10.07	10.49	11.40	10.78	10.49	10.42	10.17	10.31	10.09	10.07
14	10.18	10.39	10.07	10.38	11.23	10.73	10.42	10.23	10.14	10.62	10.07	10.08
15	10.18	10.38	10.17	10.47	11.17	10.61	10.37	10.17	10.13	10.40	10.06	10.08
16	10.18	10.36	10.95	10.57	11.07	10.56	10.32	10.24	10.13	10.32	10.06	10.07
17	10.16	10.36	10.81	10.52	10.97	10.53	10.27	10.16	10.57	10.30	10.08	10.07
18	10.18	10.42	10.67	10.48	10.86	10.51	10.22	10.14	10.78	10.29	10.09	10.02
19	10.18	10.49	10.55	10.41	10.77	10.62	10.13	10.19	10.59	10.28	10.07	9.91
20	10.18	10.45	10.46	10.38	10.71	10.56	10.12	10.24	10.53	10.26	10.07	9.90
21	10.17	10.43	10.39	10.41	10.95	10.53	10.08	10.24	10.52	10.29	10.10	9.91
22	10.17	10.40	10.34	10.44	10.98	10.50	9.92	10.23	10.51	10.32	10.07	9.93
23	10.14	10.38	10.28	10.52	10.93	10.48	9.86	10.25	10.41	10.28	10.07	10.04
24	10.15	10.31	10.22	10.59	11.05	10.46	9.79	10.52	10.25	10.29	10.06	10.07
25	11.18	10.23	10.23	10.50	11.29	10.46	9.80	10.86	10.27	10.34	10.06	10.06
26	12.82	10.22	10.25	10.45	11.27	10.49	10.37	11.05	10.34	10.36	10.06	10.04
27	11.84	10.22	10.30	10.47	11.22	10.32	11.84	10.88	10.47	10.29	9.97	10.03
28	11.46	10.21	10.26	11.09	11.13	10.26	11.62	10.79	10.45	10.28	9.94	10.04
29	11.36	10.17	10.42	10.95	---	10.24	11.25	10.78	10.42	10.30	9.93	10.05
30	11.27	10.12	10.61	10.88	---	10.28	11.16	10.59	10.40	10.34	9.92	10.04
31	11.18	---	10.52	10.79	---	10.39	---	10.48	---	10.33	9.92	---
MAX	12.82	11.07	10.95	11.09	11.40	11.05	11.84	11.08	10.78	10.62	10.40	10.12
MIN	10.14	10.12	10.02	10.27	10.35	10.24	9.79	10.14	10.13	10.24	9.92	9.90

MISSISSIPPI RIVER DELTA

07385765 BAYOU TECHE NEAR JEANERETTE, LA

LOCATION.--Lat 29°52'45", long 91°35'10", on line between secs. 37 and 38, T. 13 S., R. 9 E., St. Mary Parish, Hydrologic Unit 08080102, at upstream side of bridge at Adeline, 3.0 miles southeast of Jeanerette and 3.0 miles northwest of Charenton Diversion Canal, off of Hwy. 182

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1996 to September 1997. October 1993 to September 1996 (fragmentary gage-height records).

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

REMARKS.--No estimated daily discharge. Records poor. No gage-height record Oct. 1-10, 18, 19. No velocity record Oct. 1 to Feb. 7. Discharges are affected by tide at all stages. Reverse flow and no flow at times during year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded daily discharge, 1,920 ft³/s, Feb. 13, 1997, but may have been higher during periods of no record; maximum gage height, 4.64 ft, Oct. 25, 1997; no flow at times during year; minimum recorded daily discharge, 122 ft³/s, Sept. 23, 1997, but may have been lower during period of no record; minimum gage height, 0.46 ft, Sept. 27, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum recorded daily discharge, 1,920 ft³/s, Feb. 13, but may have been higher during periods of no record; maximum gage height, 4.64 ft, Oct. 25; no flow at times during year; minimum recorded daily discharge, 122 ft³/s, Sept. 23, but may have been lower during period of no record; minimum gage height, 0.46 ft, Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	591	404	791	303	697	379	361
2	---	---	---	---	---	505	347	717	235	650	328	316
3	---	---	---	---	---	559	318	1040	184	562	329	398
4	---	---	---	---	---	517	196	762	250	455	404	418
5	---	---	---	---	---	493	1250	669	373	443	545	346
6	---	---	---	---	---	487	781	643	373	395	547	304
7	---	---	---	---	---	410	582	589	398	384	507	219
8	---	---	---	---	712	418	394	502	652	421	494	192
9	---	---	---	---	534	406	422	511	627	545	415	220
10	---	---	---	---	555	494	333	628	582	559	471	276
11	---	---	---	---	487	493	536	620	634	548	531	271
12	---	---	---	---	654	392	991	625	466	465	490	200
13	---	---	---	---	1920	580	590	630	370	445	479	184
14	---	---	---	---	1130	491	414	544	360	600	485	220
15	---	---	---	---	910	334	499	479	411	616	411	423
16	---	---	---	---	772	302	627	498	291	596	343	351
17	---	---	---	---	705	236	613	380	910	519	387	368
18	---	---	---	---	684	257	504	360	1590	551	459	366
19	---	---	---	---	575	438	376	353	939	492	252	283
20	---	---	---	---	458	401	374	418	712	471	434	262
21	---	---	---	---	716	314	267	383	557	539	529	266
22	---	---	---	---	667	290	279	412	506	542	487	246
23	---	---	---	---	524	256	416	344	499	443	506	122
24	---	---	---	---	570	183	232	493	651	465	460	217
25	---	---	---	---	875	190	176	982	588	484	493	406
26	---	---	---	---	775	358	473	934	608	557	413	359
27	---	---	---	---	702	246	1700	594	649	498	378	162
28	---	---	---	---	667	182	1350	549	681	376	424	172
29	---	---	---	---	---	300	952	526	350	467	435	208
30	---	---	---	---	---	401	848	542	669	529	359	225
31	---	---	---	---	---	435	---	495	---	420	345	---
TOTAL	---	---	---	---	---	11959	17244	18013	16418	15734	13519	8361
MEAN	---	---	---	---	---	386	575	581	547	508	436	279

MISSISSIPPI RIVER DELTA

07385765 BAYOU TECHE NEAR JEANERETTE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.18	1.82	1.51	1.60	2.63	1.65	2.96	1.78	1.50	.85	1.11
2	---	2.71	1.67	1.45	1.57	2.76	1.69	2.90	1.57	1.35	.97	1.16
3	---	2.51	1.62	1.47	1.62	2.70	1.65	3.03	1.29	1.11	1.02	1.11
4	---	2.36	1.48	1.61	1.92	2.54	1.94	2.71	1.12	.97	1.01	.92
5	---	2.20	1.56	1.63	1.64	2.48	3.11	2.56	1.14	.97	.88	.82
6	---	2.16	1.51	1.33	1.52	2.22	2.95	2.44	1.22	1.16	.81	1.18
7	---	2.30	1.49	1.35	1.58	2.14	2.71	2.26	1.35	1.29	.88	1.54
8	---	1.90	1.21	1.80	1.38	2.14	2.60	2.15	1.40	1.34	1.05	1.62
9	---	1.71	1.28	1.60	1.10	2.06	2.45	2.00	1.50	1.38	1.18	1.66
10	---	1.64	1.35	1.45	1.07	2.04	2.31	1.72	1.60	1.36	1.14	1.56
11	1.50	1.51	1.54	1.25	.94	1.97	2.39	1.69	1.75	1.20	1.07	1.33
12	1.53	1.51	1.56	.97	1.21	1.86	2.62	1.65	1.79	1.05	1.12	1.27
13	1.61	1.58	1.45	.76	2.53	2.31	2.26	1.51	1.83	1.02	1.13	1.36
14	1.80	1.55	1.40	.99	2.33	2.22	2.07	1.42	1.86	1.32	1.17	1.36
15	1.87	1.68	1.57	1.56	2.25	1.96	1.91	1.32	1.66	1.50	1.27	1.27
16	1.87	2.22	2.14	1.38	2.24	1.85	1.79	1.18	1.75	1.53	1.48	1.31
17	2.00	2.44	1.92	1.08	2.11	1.86	1.57	1.34	2.35	1.49	1.56	1.35
18	---	2.36	1.66	.95	2.00	1.82	1.30	1.52	2.80	1.28	1.45	1.34
19	---	2.27	1.18	.90	1.90	1.94	1.41	1.70	2.54	1.11	1.39	1.43
20	1.73	2.24	1.15	.90	1.83	1.66	1.32	1.70	2.35	1.01	1.36	1.55
21	1.76	2.21	1.38	1.13	2.31	1.54	1.51	1.63	2.20	.93	1.15	1.61
22	1.88	1.98	1.58	1.38	2.13	1.54	1.65	1.61	2.07	.89	1.00	1.57
23	1.44	2.06	1.65	1.49	1.93	1.45	1.47	1.58	1.90	.91	1.11	1.81
24	1.62	2.29	1.49	1.81	1.97	1.54	1.40	1.84	1.65	.95	1.14	1.83
25	3.17	2.30	1.25	1.54	2.20	1.74	1.60	2.40	1.50	.97	1.09	1.35
26	4.13	1.71	1.65	1.50	2.39	1.77	2.02	2.63	1.50	.94	1.16	.83
27	3.68	1.51	1.83	1.71	2.52	1.62	3.18	2.51	1.43	.85	1.37	.76
28	3.59	1.47	1.73	2.38	2.55	1.81	3.32	2.39	1.44	.83	1.31	.90
29	3.53	1.74	1.89	1.99	---	1.76	3.05	2.34	1.47	.90	1.12	.86
30	3.42	2.11	1.76	1.82	---	1.69	3.01	2.28	1.60	.83	1.08	.82
31	3.27	---	1.60	1.68	---	1.56	---	2.15	---	.85	1.14	---
MAX	---	3.18	2.14	2.38	2.55	2.76	3.32	3.03	2.80	1.53	1.56	1.83
MIN	---	1.47	1.15	.76	.94	1.45	1.30	1.18	1.12	.83	.81	.76

MISSISSIPPI RIVER DELTA

07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N 1/2 sec. 45, T. 7 S., R. 5 E., Louisiana Meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft upstream from weir, 0.6 mi west of Arnaudville, and 0.9 mi downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to September 1982 (elevation only). October 1982 to current year.

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

REMARKS.--Records fair, except those above 660 ft³/s and indefinite stage-discharge relationship, which are poor. Indefinite stage discharge relationship: Oct. 25 to Nov. 4, Jan. 8-9, 29-30, Feb. 13-18, Feb. 21 to Mar. 4, Apr. 27 to May 3, and May 25-30. 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, 564 ft³/s, Jan. 28; maximum elevation, 20.80 ft, Oct. 26; minimum elevation, 11.84 ft, Dec. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	487	e400	187	297	415	e380	350	e300	320	271	277	262
2	412	e450	189	298	372	e400	315	e400	279	281	274	263
3	370	e500	196	283	327	e450	301	e550	271	278	273	268
4	336	e480	188	259	323	e500	297	524	275	274	273	272
5	316	426	179	237	350	485	423	455	271	272	274	273
6	304	380	162	241	342	469	501	411	268	272	275	280
7	294	379	173	410	314	459	428	366	270	280	275	282
8	282	423	179	e500	293	453	381	319	287	289	278	277
9	286	377	171	e470	299	447	347	289	297	296	277	274
10	279	331	166	438	289	439	317	294	297	288	282	272
11	276	313	175	395	264	426	301	291	312	278	282	272
12	275	297	176	344	320	413	404	282	281	282	281	273
13	278	281	170	310	e10	430	403	270	267	297	275	274
14	280	283	169	269	e.00	427	356	269	250	366	274	273
15	279	283	177	315	e50	406	326	269	258	299	273	271
16	269	278	402	384	e250	389	306	279	257	287	273	268
17	265	272	499	343	e350	371	289	272	284	286	277	265
18	276	329	393	299	e400	355	276	269	331	284	278	262
19	288	363	316	255	460	381	283	285	282	281	276	259
20	281	323	261	270	429	381	282	310	280	279	275	260
21	273	306	231	286	e480	370	282	299	273	278	275	260
22	265	297	205	297	e520	355	283	281	264	279	271	260
23	263	289	190	372	e490	346	282	268	269	279	269	261
24	268	278	218	347	e400	342	281	358	268	284	267	263
25	e10	271	240	295	e300	335	280	e100	281	287	269	264
26	e-50	278	239	307	e100	353	350	e200	303	283	275	265
27	e-100	281	241	312	e300	335	e360	e500	333	277	273	264
28	e-30	268	226	564	e550	331	e-20	e430	318	275	269	265
29	e25	240	377	e500	---	326	e200	e350	312	274	267	265
30	e50	208	490	e480	---	378	e330	e300	278	274	265	265
31	e350	---	332	481	---	443	---	374	---	274	263	---
TOTAL	7457	9884	7517	10858	8997.00	12375	9514	10164	8536	8804	8485	8032
MEAN	241	329	242	350	321	399	317	328	285	284	274	268

e Estimated

MISSISSIPPI RIVER DELTA

07386200 BAYOU FUSILIER, AT WEIR, AT ARNAUDVILLE, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.84	17.45	12.19	13.31	14.31	16.73	13.78	16.99	13.52	13.07	13.14	12.99
2	14.28	16.69	12.22	13.33	13.97	16.10	13.48	16.16	13.15	13.17	13.10	12.99
3	13.95	15.85	12.29	13.19	13.58	15.48	13.36	15.67	13.07	13.14	13.09	13.05
4	13.66	14.99	12.21	12.96	13.55	15.05	13.32	15.11	13.11	13.10	13.10	13.09
5	13.48	14.39	12.10	12.74	13.78	14.83	14.34	14.61	13.08	13.08	13.10	13.09
6	13.38	14.03	11.90	12.78	13.72	14.71	14.94	14.28	13.04	13.08	13.12	13.16
7	13.29	14.02	12.04	14.18	13.47	14.65	14.41	13.91	13.07	13.16	13.11	13.17
8	13.18	14.37	12.10	15.50	13.28	14.60	14.04	13.52	13.23	13.25	13.14	13.13
9	13.21	14.00	12.01	14.94	13.33	14.55	13.76	13.25	13.32	13.31	13.13	13.10
10	13.15	13.62	11.95	14.49	13.24	14.49	13.50	13.29	13.31	13.24	13.18	13.08
11	13.12	13.47	12.06	14.15	13.01	14.39	13.35	13.26	13.45	13.14	13.18	13.08
12	13.11	13.32	12.06	13.73	13.43	14.29	14.22	13.18	13.17	13.18	13.17	13.09
13	13.14	13.17	12.00	13.44	17.81	14.43	14.22	13.07	13.03	13.32	13.11	13.10
14	13.15	13.19	11.98	13.06	18.21	14.40	13.83	13.05	12.87	13.91	13.11	13.10
15	13.15	13.18	12.08	13.47	17.69	14.24	13.58	13.05	12.95	13.34	13.09	13.07
16	13.05	13.14	14.13	14.06	16.89	14.11	13.40	13.15	12.94	13.22	13.09	13.04
17	13.02	13.09	14.93	13.72	16.04	13.96	13.24	13.08	13.18	13.22	13.13	13.02
18	13.12	13.59	14.13	13.33	15.19	13.82	13.12	13.05	13.62	13.20	13.14	12.99
19	13.23	13.89	13.48	12.92	14.65	14.04	13.19	13.20	13.18	13.17	13.12	12.96
20	13.17	13.55	12.98	13.06	14.42	14.04	13.17	13.44	13.16	13.15	13.11	12.96
21	13.09	13.40	12.67	13.21	16.16	13.95	13.17	13.33	13.09	13.14	13.12	12.97
22	13.02	13.32	12.40	13.31	16.71	13.83	13.19	13.17	13.01	13.15	13.07	12.97
23	12.99	13.24	12.23	13.96	15.96	13.75	13.17	13.05	13.05	13.15	13.06	12.98
24	13.04	13.14	12.53	13.76	15.64	13.71	13.17	13.84	13.04	13.20	13.04	13.00
25	17.47	13.07	12.77	13.30	17.82	13.66	13.16	15.44	13.17	13.22	13.05	13.01
26	20.38	13.14	12.76	13.41	18.40	13.81	13.78	17.58	13.37	13.19	13.11	13.02
27	20.68	13.17	12.78	13.45	18.01	13.66	17.55	16.94	13.64	13.13	13.09	13.01
28	20.34	13.04	12.62	15.32	17.38	13.62	18.68	16.09	13.50	13.11	13.05	13.01
29	19.79	12.76	13.93	16.18	---	13.57	18.38	15.38	13.46	13.10	13.04	13.02
30	19.09	12.43	14.86	15.58	---	13.98	17.78	14.54	13.14	13.10	13.01	13.01
31	18.29	---	13.62	14.80	---	14.52	---	13.98	---	13.10	12.99	---
MAX	20.68	17.45	14.93	16.18	18.40	16.73	18.68	17.58	13.64	13.91	13.18	13.17
MIN	12.99	12.43	11.90	12.74	13.01	13.57	13.12	13.05	12.87	13.07	12.99	12.96

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA

LOCATION.--Lat 30°14'35", long 91°53'05", in NE 1/4 NW 1/4 sec. 95, T. 9 S., R 6 E., St. Martin Parish, Hydrologic Unit 08080103, near center of span on downstream side of bridge on State Highway 31, 1,200 ft above control structure, 1,500 ft downstream from point of diversion from Bayou Teche, 0.4 mi northwest of Ruth, and 2.2 mi south of town of Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year. May 1945 to June 1946 (fragmentary elevations only), January 1947 to September 1960 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is sea level. Auxiliary water-stage recorder 150 ft below control structure at same datum. Since July 12, 1973, water-stage recorder for Ruth Canal at Ruth (station 07386705) used as auxiliary gage for this station. Nov. 4, 1965 to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good. Total flow through control structure diverted from Bayou Teche for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 802 ft³/s, Apr. 21, 1966; maximum negative daily discharge, -60 ft³/s, Jan. 31, 1993 (backwater from Vermilion River); minimum daily (unaffected by backwater), 0.03 ft³/s, June 1, 1982.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	86	162	143	28	30	338	32	269	257	289	347
2	191	79	168	150	28	29	343	31	278	263	288	348
3	193	71	167	159	27	29	354	30	294	271	289	348
4	207	71	171	162	28	29	209	30	312	278	290	349
5	227	68	169	165	27	29	27	29	326	282	292	320
6	241	72	169	172	27	e29	144	28	334	284	292	275
7	261	81	168	163	96	e29	252	28	342	285	282	271
8	267	91	173	146	167	e29	239	27	343	281	276	272
9	290	93	174	147	170	29	242	27	343	279	276	274
10	306	96	171	146	171	28	248	27	345	279	277	276
11	319	105	172	148	173	28	255	27	348	281	278	277
12	325	114	171	152	112	28	251	26	348	284	279	277
13	332	122	172	152	33	29	238	158	351	289	278	277
14	339	133	173	155	33	67	240	240	351	272	278	277
15	343	140	171	160	32	160	248	363	353	263	280	278
16	347	144	88	156	31	163	259	361	355	270	278	278
17	347	145	29	159	30	166	266	362	258	275	276	293
18	343	145	28	163	29	169	266	362	28	279	277	342
19	347	140	27	170	28	159	204	363	27	284	278	374
20	351	142	26	175	28	158	363	354	26	287	278	371
21	350	150	25	179	31	165	362	352	26	289	280	370
22	350	159	25	177	31	169	356	351	26	292	280	391
23	353	163	128	169	27	171	410	345	160	292	279	428
24	370	162	163	170	27	172	391	335	276	291	278	429
25	401	161	169	173	34	171	384	350	271	292	278	428
26	289	169	170	179	33	266	196	362	259	287	313	434
27	136	173	166	183	31	352	33	336	255	289	355	436
28	120	171	167	42	30	358	35	318	248	286	352	434
29	109	169	159	30	---	367	34	303	247	277	354	434
30	100	165	147	29	---	366	33	274	252	266	353	436
31	93	---	143	29	---	343	---	265	---	279	351	---
TOTAL	8457	3780	4211	4503	1542	4317	7220	6496	7651	8683	9104	10344
MEAN	273	126	136	145	55.1	139	241	210	255	280	294	345

e Estimated

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA--Continued

ELEVATION, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.63	12.36	9.55	10.24	11.05	11.59	9.86	12.44	10.06	9.95	9.84	8.95
2	10.34	11.99	9.54	10.25	11.01	11.46	9.64	12.09	9.87	9.89	9.71	8.92
3	10.15	11.56	9.60	10.24	10.84	11.39	9.58	11.82	9.72	9.83	9.71	8.93
4	10.04	11.29	9.62	10.04	11.03	11.35	9.74	11.60	9.61	9.78	9.73	8.93
5	9.94	10.96	9.59	9.95	10.82	11.36	10.82	11.39	9.54	9.76	9.74	9.04
6	9.85	10.79	9.56	10.04	10.74	---	10.93	11.21	9.45	9.78	9.77	9.44
7	9.82	10.74	9.54	10.62	10.46	---	10.68	11.05	9.47	9.92	9.69	9.52
8	9.55	10.93	9.58	11.04	10.23	---	10.34	10.87	9.55	9.99	9.54	9.43
9	9.54	10.72	9.60	11.03	10.14	11.31	10.17	10.71	9.56	9.92	9.51	9.41
10	9.45	10.54	9.58	10.84	10.12	11.26	10.05	10.68	9.46	9.86	9.54	9.38
11	9.34	10.46	9.61	10.67	10.00	11.25	10.03	10.69	9.60	9.80	9.54	9.36
12	9.27	10.40	9.59	10.45	10.35	11.22	10.45	10.66	9.43	9.77	9.49	9.36
13	9.24	10.27	9.59	10.38	12.89	11.43	10.31	10.22	9.33	9.93	9.47	9.38
14	9.24	10.29	9.58	10.21	12.81	11.24	10.15	9.76	9.23	10.57	9.44	9.37
15	9.26	10.20	9.74	10.29	12.57	10.82	10.03	9.59	9.19	10.07	9.44	9.36
16	9.24	10.13	11.44	10.74	12.23	10.68	9.91	9.67	9.20	9.90	9.44	9.35
17	9.21	10.15	11.34	10.64	11.92	10.59	9.79	9.52	9.99	9.85	9.46	9.30
18	9.20	10.26	11.00	10.36	11.55	10.54	9.62	9.49	11.06	9.81	9.46	9.03
19	9.19	10.47	10.74	10.24	11.26	10.81	9.39	9.57	10.69	9.77	9.43	8.74
20	9.22	10.36	10.53	10.18	11.23	10.69	9.37	9.68	10.61	9.75	9.42	8.73
21	9.17	10.32	10.36	10.27	12.21	10.59	9.33	9.62	10.59	9.76	9.44	8.74
22	9.14	10.24	10.24	10.35	12.03	10.52	9.17	9.59	10.55	9.78	9.38	8.68
23	9.06	10.22	10.12	10.59	10.84	10.44	8.91	9.64	10.16	9.75	9.40	8.67
24	9.34	10.14	9.90	10.56	10.89	10.41	8.75	10.19	9.78	9.76	9.39	8.73
25	13.14	10.04	9.94	10.36	13.15	10.37	8.79	10.95	9.85	9.80	9.38	8.65
26	15.24	10.02	9.99	10.42	12.81	10.24	9.79	11.80	10.02	9.84	9.32	8.57
27	14.10	9.98	10.04	10.74	12.02	9.84	12.95	11.41	10.38	9.73	9.04	8.56
28	13.73	9.94	10.03	12.14	11.76	9.68	13.53	11.14	10.24	9.72	9.01	8.60
29	13.38	9.84	10.34	11.74	---	9.64	13.00	11.01	10.17	9.78	8.98	8.61
30	13.04	9.74	10.94	11.48	---	9.64	12.75	10.54	10.11	9.85	8.96	8.63
31	12.72	---	10.52	11.29	---	10.04	---	10.28	---	9.79	8.93	---
MAX	15.24	12.36	11.44	12.14	13.15	---	13.53	12.44	11.06	10.57	9.84	9.52
MIN	9.06	9.74	9.54	9.95	10.00	---	8.75	9.49	9.19	9.72	8.93	8.56

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 velocity record: Jan. 27-Jun. 4. Discharges are affected by tide at all stages: diversions above and below station for irrigation. Reverse flow at times during year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,280 ft³/s, July 17, 1989; maximum gage height 15.81 ft, Jan. 20, 1993; maximum negative discharge, -8,390 ft³/s, Dec. 18, 1995; minimum gage height 0.79 ft, Nov. 20, 1969; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 2,870 ft³/s, Oct. 29, but may have been higher during periods of missing record; maximum gage height, 13.49 ft, Oct. 26; maximum negative daily discharge recorded, -2,490 ft³/s, Oct. 26, but may have been higher during periods of missing record; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2210	1710	470	1310	---	---	---	---	---	663	445	302
2	2260	1660	378	1120	---	---	---	---	---	560	473	376
3	2300	1890	370	928	---	---	---	---	---	521	495	399
4	2250	1910	370	723	---	---	---	---	---	463	498	436
5	2140	1820	322	604	---	---	---	---	1100	396	510	409
6	1820	1660	376	487	---	---	---	---	1030	311	571	337
7	1820	1640	396	561	---	---	---	---	857	343	709	406
8	1680	1540	373	858	---	---	---	---	797	425	725	402
9	1480	1390	291	1130	---	---	---	---	870	417	637	365
10	1320	1340	301	892	---	---	---	---	790	397	644	369
11	1170	1280	335	868	---	---	---	---	805	406	637	358
12	971	1220	337	738	---	---	---	---	794	340	516	331
13	850	1160	353	715	---	---	---	---	739	312	492	351
14	715	1090	336	646	---	---	---	---	643	628	458	367
15	604	1030	146	475	---	---	---	---	605	579	386	363
16	607	938	-82	690	---	---	---	---	521	471	350	354
17	552	889	1460	756	---	---	---	---	-601	496	348	351
18	575	917	1670	672	---	---	---	---	181	599	389	385
19	600	1050	1620	594	---	---	---	---	1020	549	361	415
20	467	1020	887	489	---	---	---	---	949	470	350	385
21	479	917	815	388	---	---	---	---	794	394	344	387
22	520	826	852	330	---	---	---	---	586	375	316	429
23	659	755	751	647	---	---	---	---	579	335	311	399
24	539	719	702	541	---	---	---	---	588	306	297	515
25	-747	749	685	490	---	---	---	---	531	292	307	674
26	-2490	828	492	324	---	---	---	---	658	303	331	633
27	1570	580	552	---	---	---	---	---	759	387	421	529
28	2490	520	645	---	---	---	---	---	680	424	517	570
29	2870	432	699	---	---	---	---	---	765	279	399	665
30	2800	376	1320	---	---	---	---	---	741	419	254	651
31	2800	---	1420	---	---	---	---	---	---	463	248	---
TOTAL	37881	33856	19642	---	---	---	---	---	---	13323	13739	12913
MEAN	1222	1129	634	---	---	---	---	---	---	430	443	430

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.11	12.06	4.99	7.21	8.04	10.41	6.97	10.61	8.63	6.93	5.06	5.36
2	10.04	11.88	4.42	6.85	7.71	10.30	6.76	10.49	8.33	6.53	4.93	5.16
3	9.84	11.66	4.84	6.33	7.12	10.10	6.42	10.45	7.88	5.98	4.93	5.14
4	9.58	11.49	4.45	5.93	7.51	9.86	6.51	10.19	7.38	5.59	4.89	5.01
5	9.30	11.22	4.80	5.51	7.05	9.61	8.24	9.92	6.96	5.34	4.64	4.88
6	9.12	10.94	4.58	4.98	6.35	9.20	8.11	9.62	6.58	5.40	4.74	5.32
7	8.78	10.81	4.54	6.58	6.10	8.79	7.84	9.21	6.45	5.46	5.16	5.73
8	8.37	10.62	3.87	7.80	5.58	8.37	7.76	8.72	6.58	5.64	5.34	5.50
9	7.90	10.25	4.07	7.59	5.11	7.87	7.50	8.13	6.52	5.68	5.36	5.38
10	7.42	9.95	4.47	7.52	5.06	7.51	7.15	7.41	6.32	5.54	5.31	5.20
11	6.90	9.54	4.42	7.31	4.68	7.10	7.16	6.83	6.44	5.36	5.23	5.03
12	6.70	9.11	4.53	6.94	6.69	6.55	7.83	6.34	6.24	5.12	5.17	5.07
13	6.46	8.63	4.31	6.83	11.17	7.78	7.76	5.96	6.02	5.25	5.15	5.10
14	6.35	8.07	4.22	6.49	10.05	7.42	7.51	5.90	5.88	6.69	5.00	5.03
15	6.26	7.58	5.12	6.50	9.91	6.88	7.19	5.86	5.65	6.51	4.99	4.95
16	6.08	7.40	9.20	7.01	9.86	6.51	6.71	5.96	5.61	6.22	5.19	4.98
17	6.06	7.34	8.58	6.59	9.77	6.28	6.22	5.80	7.63	5.97	5.36	5.09
18	6.01	7.43	8.33	6.10	9.64	5.95	5.76	5.81	8.90	5.61	5.24	5.21
19	5.72	7.68	7.97	5.52	9.45	7.16	5.83	6.03	7.94	5.22	5.09	5.41
20	5.86	7.45	7.46	5.00	9.20	6.75	5.61	6.29	7.42	4.98	5.06	5.58
21	5.80	6.97	6.90	4.88	9.55	6.19	5.57	6.23	6.83	4.88	4.84	5.64
22	5.79	6.28	6.34	5.27	9.31	5.85	5.53	6.20	6.30	4.70	4.75	5.59
23	5.22	6.11	5.82	5.87	9.14	5.48	5.23	6.74	6.06	4.70	4.97	5.92
24	5.35	6.11	5.64	5.91	9.70	5.46	5.28	7.49	5.88	4.87	5.00	5.89
25	10.52	5.88	4.98	5.40	10.73	5.54	5.87	7.80	6.26	4.94	4.94	5.47
26	13.24	4.89	5.33	5.09	10.68	6.81	8.34	8.26	6.89	5.28	4.90	4.95
27	12.67	4.55	5.70	5.29	10.55	6.68	11.49	8.52	7.38	4.80	5.24	4.92
28	12.54	4.70	5.52	8.99	10.46	6.44	11.13	8.72	7.45	4.76	5.19	5.18
29	12.41	5.03	6.58	8.38	---	6.09	10.86	9.01	7.46	5.48	4.98	5.13
30	12.31	5.43	7.67	8.23	---	6.04	10.70	9.02	7.29	6.22	4.92	5.14
31	12.19	---	7.41	8.21	---	6.99	---	8.90	---	5.37	5.09	---
MAX	13.24	12.06	9.20	8.99	11.17	10.41	11.49	10.61	8.90	6.93	5.36	5.92
MIN	5.22	4.55	3.87	4.88	4.68	5.46	5.23	5.80	5.61	4.70	4.64	4.88

MISSISSIPPI RIVER DELTA

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", on line between secs. 60 and 61, T. 12 S., R. 3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi south of Abbeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1978 to September 1984 (gage heights only) October 1984 to current year. Unpublished gage-height records, August 1960 to September 1978, available in files of the Louisiana District Office, Baton Rouge, La.

REVISED RECORDS.--WDR LA 80-3: 1979.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.34 ft below sea level (levels by Louisiana Department of Transportation and Development, Office of Highways). Prior to 1997 datum of gage is 3.46 ft below sea level. Prior to 1982 datum of gage 2.95 ft below National Geodetic Vertical of 1929.

REMARKS.--No estimated daily discharges. Records poor. No gage-height records: Dec. 14-15, Apr. 26-30. No velocity records: Oct. 1-2, Dec. 11-15, Apr. 11-30, Sept. 17-24. Discharge affected by tide at all stages. Reverse flow at times during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 15,800 ft³/s, Oct. 28, 1985; maximum gage height recorded, 12.06 ft, May 31, 1979; maximum negative discharge recorded, -2,800 ft³/s, Aug. 15, 1985; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 11,900 ft³/s, Oct. 26; gage height, 10.66 ft; no flow at times during the year; maximum negative daily discharge recorded, -199 ft³/s, Dec. 2; minimum gage height recorded, 3.21 ft, Feb. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2920	1210	1280	1540	2490	1080	3240	2000	1680	100	1080
2	---	3320	-199	1300	1470	2710	1020	2610	2070	1810	88	702
3	2780	2870	687	846	1100	2850	753	3620	1960	1250	84	795
4	2050	2810	97	791	2500	2290	465	2940	1580	959	80	804
5	2200	2870	431	730	1610	2370	3020	2560	1480	744	85	471
6	2770	2600	160	649	920	2500	2390	2600	1230	741	83	452
7	2440	3210	571	2180	967	1650	1550	2350	1400	976	77	768
8	1920	3680	377	2270	1420	1790	1170	2040	1990	1200	835	746
9	2010	2690	3.9	---	364	1560	1310	2070	1370	1040	854	751
10	1780	2530	253	---	958	2160	880	1700	1120	898	1010	770
11	906	2180	---	1560	235	1760	---	1190	1070	970	965	536
12	1020	2080	---	1530	1650	721	---	1350	997	845	1090	447
13	724	1920	---	1590	8890	3340	---	1110	904	816	982	517
14	793	1800	---	780	5080	1990	---	1000	873	1620	1000	474
15	823	1270	---	1310	3020	1270	---	1030	936	1090	1070	546
16	765	534	6680	2260	2680	974	---	1000	569	1080	1090	213
17	742	1450	3690	1110	2580	979	---	648	3680	998	890	---
18	1530	1630	2430	1150	2320	965	---	827	6070	1130	791	---
19	586	1830	2080	798	2220	3180	---	947	2830	898	577	---
20	563	1290	1260	603	1810	1880	---	1160	2030	954	795	---
21	632	1220	924	208	3650	1070	---	1090	1250	930	868	---
22	804	1040	1020	597	3050	996	---	1180	994	718	475	---
23	627	532	743	623	1970	772	---	1250	1260	644	834	---
24	123	527	1430	740	3970	429	---	1860	980	585	756	---
25	5930	1620	451	830	6500	636	---	1830	1480	77	799	1200
26	10100	1020	239	219	4270	2450	---	1890	1880	86	414	829
27	7670	286	1300	418	3330	1150	---	1960	1790	99	613	339
28	5610	443	814	5330	2590	1090	---	2220	1930	147	817	786
29	3680	56	1740	2900	---	1050	---	3920	1730	111	710	687
30	3260	166	2440	2010	---	1250	---	2540	1630	108	519	738
31	3120	---	1670	1700	---	1340	---	2400	---	102	663	---
TOTAL	---	52394	---	---	72664	51662	---	58132	51083	25306	20014	---
MEAN	---	1746	---	---	2595	1667	---	1875	1703	816	646	---

MISSISSIPPI RIVER DELTA
07386980 VERMILION RIVER AT PERRY, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.55	6.18	4.66	4.72	4.84	6.32	5.11	5.48	4.58	4.79	4.41	4.70
2	5.55	5.39	4.68	4.78	4.84	6.05	5.24	6.15	4.63	4.56	4.64	4.64
3	5.55	5.27	4.91	4.82	5.10	5.13	5.26	6.10	4.45	4.15	4.52	4.47
4	5.76	5.73	4.67	4.98	5.52	5.30	6.15	5.25	4.54	4.20	4.38	4.24
5	6.46	5.54	5.00	4.81	4.51	5.38	7.76	5.53	4.60	4.33	4.07	4.39
6	6.15	5.67	4.73	4.41	4.66	4.43	6.21	5.44	4.68	4.66	4.18	5.12
7	5.79	6.24	4.54	4.91	5.05	5.33	5.12	5.29	4.82	4.70	4.41	5.47
8	6.01	5.18	3.90	5.37	3.72	5.32	5.57	5.42	4.95	4.66	4.57	5.24
9	5.31	4.42	4.36	4.28	4.07	5.15	5.28	5.16	5.02	4.58	4.87	5.11
10	4.92	5.17	4.70	4.22	4.14	5.59	5.51	4.71	5.00	4.56	4.62	4.85
11	4.69	4.98	4.68	4.12	4.18	5.07	5.94	5.12	5.11	4.39	4.53	4.85
12	5.20	5.17	4.69	4.23	6.07	5.19	6.23	4.94	5.20	4.33	4.69	4.93
13	5.26	5.41	4.56	4.02	9.07	6.49	4.58	4.64	5.14	4.36	4.58	4.93
14	5.45	5.12	---	4.61	6.73	5.13	4.78	4.62	5.18	4.71	4.48	4.83
15	5.50	5.55	---	5.39	5.03	4.55	4.79	4.46	4.86	4.94	4.67	4.67
16	5.38	6.77	7.44	4.39	4.95	5.03	4.72	4.51	5.15	5.08	5.02	4.83
17	5.62	6.74	5.44	3.96	4.72	5.19	4.30	4.99	6.56	5.15	4.97	4.89
18	4.94	6.05	4.40	4.17	5.03	5.06	4.39	5.19	7.43	4.52	4.80	4.90
19	4.74	5.67	3.64	4.14	5.16	5.41	4.73	5.30	5.69	4.33	4.77	5.18
20	5.52	5.65	4.18	4.09	5.66	4.08	4.64	5.01	5.26	4.24	4.59	5.38
21	5.49	5.58	5.14	4.51	6.32	4.26	4.89	4.77	5.32	4.20	4.25	5.37
22	5.39	4.87	5.22	4.94	4.57	4.44	4.90	4.62	5.42	4.12	4.49	5.33
23	4.38	5.66	4.92	4.54	4.79	4.33	4.19	4.93	4.98	4.25	4.63	5.82
24	5.19	5.93	4.53	5.02	6.20	5.00	4.91	5.36	4.61	4.38	4.77	5.44
25	7.69	5.04	3.90	4.45	7.38	5.17	6.04	5.42	4.74	4.45	4.55	4.19
26	10.43	3.85	5.12	4.97	6.82	5.24	---	5.31	4.83	4.46	4.71	3.84
27	9.50	4.18	5.05	5.21	5.78	4.95	---	5.19	4.79	4.18	4.88	4.32
28	8.14	4.56	4.82	6.74	5.80	5.12	---	5.12	4.85	4.33	4.57	4.40
29	6.87	5.24	5.10	5.05	---	4.74	---	6.03	5.07	4.47	4.34	4.33
30	6.32	5.69	5.06	4.46	---	4.66	---	5.51	5.01	4.70	4.45	4.31
31	6.03	---	4.65	4.61	---	4.64	---	4.94	---	4.41	4.62	---
MAX	10.43	6.77	---	6.74	9.07	6.49	---	6.15	7.43	5.15	5.02	5.82
MIN	4.38	3.85	---	3.96	3.72	4.08	---	4.46	4.45	4.12	4.07	3.84

MISSISSIPPI RIVER DELTA

091300000 PIPELINE CANAL NEAR CROSSING COVE 11.4 MILES WEST OF PIGEON, LA

LOCATION.--Lat 30°05' 54", long 91°30' 00", in sec. 12, T. 11 S., R. 9 E., 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 1997 (discontinued).

GAGE.--Water-stage recorder with electromagnetic flowmeter. Gage datum is 1.68 ft above sea level (by levels from U.S. Army Corps of Engineers).

REMARKS.--Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record. No gage heights published for periods Oct. 1-7, Oct. 13-Nov. 5, Jul. 26-Aug. 26, when below recordable stage, Aug. 26-Sept. 30 when site was inaccessible.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.57 ft, Mar. 28, 29, 1997; minimum recorded, 2.84 ft, Nov. 17, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.57 ft, Mar. 28, 29; minimum recorded, 3.25 ft, Oct. 12.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	7.76	9.42	7.07	9.94	13.38	10.76	6.73	9.35	---	---
2	---	---	7.88	9.37	7.31	9.99	13.33	10.61	6.71	9.42	---	---
3	---	---	8.14	9.24	7.53	10.02	13.30	10.58	6.74	9.32	---	---
4	---	---	8.38	9.03	7.90	10.08	13.30	10.51	6.91	9.06	---	---
5	---	---	8.65	8.86	8.24	10.31	13.43	10.44	7.17	8.87	---	---
6	---	3.57	8.75	8.70	8.53	10.50	13.35	10.35	7.31	8.72	---	---
7	---	4.03	8.83	8.53	8.82	10.63	13.18	10.26	7.50	8.66	---	---
8	3.57	3.96	8.81	8.41	9.12	10.83	13.06	10.15	7.73	8.58	---	---
9	3.72	3.78	8.85	8.32	9.30	11.11	12.97	10.07	7.93	8.42	---	---
10	3.63	3.72	9.06	8.22	9.38	11.41	12.86	9.97	8.11	8.15	---	---
11	3.38	3.76	9.10	8.10	9.19	11.66	12.78	9.84	8.40	7.75	---	---
12	3.33	4.24	9.19	7.97	9.25	11.87	12.74	9.75	8.51	7.37	---	---
13	---	4.73	9.31	7.78	9.73	12.08	12.59	9.81	8.64	7.12	---	---
14	---	5.01	9.40	7.64	9.88	12.18	12.45	9.87	8.79	6.92	---	---
15	---	5.15	9.46	7.61	9.88	12.26	12.33	9.81	8.77	6.52	---	---
16	---	5.53	9.57	7.49	9.92	12.37	12.18	9.72	8.85	5.93	---	---
17	---	5.97	9.65	7.25	9.98	12.50	12.04	9.60	9.25	5.38	---	---
18	---	6.20	9.69	7.08	10.05	12.68	11.89	9.47	9.53	5.00	---	---
19	---	6.46	9.62	6.93	10.07	12.89	11.73	9.40	9.49	4.64	---	---
20	---	6.62	9.57	6.70	9.99	13.01	11.59	9.25	9.47	4.21	---	---
21	---	6.84	9.55	6.49	9.98	13.12	11.41	9.06	9.45	3.88	---	---
22	---	6.97	9.58	6.35	9.84	13.24	11.24	8.98	9.43	3.66	---	---
23	---	7.05	9.55	5.94	9.66	13.33	11.06	8.75	9.35	3.62	---	---
24	---	7.15	9.53	5.72	9.61	13.39	10.90	8.52	9.35	3.61	---	---
25	---	7.20	9.54	5.43	9.74	13.44	10.74	8.33	9.40	3.61	---	---
26	---	6.78	9.52	5.49	9.78	13.48	10.74	8.05	9.43	---	---	---
27	---	6.54	9.52	5.65	9.81	13.52	10.90	7.70	9.43	---	---	---
28	---	6.56	9.56	5.92	9.83	13.56	10.93	7.32	9.46	---	---	---
29	---	6.84	9.60	6.46	---	13.56	10.88	7.13	9.45	---	---	---
30	---	7.40	9.56	6.75	---	13.53	10.84	6.97	9.40	---	---	---
31	---	---	9.40	6.92	---	13.45	---	6.85	---	---	---	---
MAX	---	---	9.69	9.42	10.07	13.56	13.43	10.76	9.53	---	---	---
MIN	---	---	7.76	5.43	7.07	9.94	10.74	6.85	6.71	---	---	---

MISSISSIPPI RIVER DELTA

091303000 GRAND LAKE 4.1 MILES NORTH OF CHARENTON, LA

LOCATION.--Lat 29°56'37", long 91°30'30", T. 13 S., R. 9 E., Iberia Parish, Hydrologic Unit 08080101, on a five-pile platform 4.1 miles north of Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1993 to September 1997 (discontinued).

GAGE.--Water-stage recorder with electromagnetic flowmeter. Datum of gage is to an assumed elevation.

REMARKS.--Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 19.50 ft, Apr. 5, 1997; minimum recorded, 7.74 ft, Oct. 11, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.50 ft, Apr. 5; minimum recorded, 8.45 ft, Oct. 23.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.94	9.99	13.74	15.50	13.25	---	19.39	16.85	---	15.74	---	---
2	10.10	9.89	13.85	15.47	13.40	---	19.38	16.73	---	15.74	---	---
3	10.12	9.89	14.04	15.41	---	---	19.38	16.69	---	15.80	---	---
4	10.23	10.19	14.21	15.29	---	---	19.40	16.59	---	15.95	---	---
5	10.39	10.30	14.43	15.17	---	---	19.48	16.52	---	16.07	---	---
6	10.26	10.54	14.57	15.04	---	---	19.46	16.44	---	16.17	---	---
7	10.26	10.92	14.68	---	---	16.44	19.38	16.36	---	16.23	---	---
8	10.56	10.93	14.73	---	---	16.62	19.28	16.27	---	16.32	---	---
9	10.67	10.81	14.78	---	---	16.88	19.23	16.19	---	16.50	---	---
10	10.66	10.79	14.89	---	---	17.19	19.14	16.10	---	16.62	---	---
11	10.48	10.76	14.98	---	---	17.50	19.09	15.99	14.32	16.91	---	---
12	10.45	11.02	15.07	---	---	17.78	19.04	15.90	14.43	17.18	---	---
13	10.34	11.33	15.15	---	---	18.07	18.89	15.86	14.54	17.36	---	---
14	10.26	11.55	15.23	---	---	18.19	18.78	15.88	14.67	17.52	---	---
15	10.22	11.70	15.31	---	---	18.29	18.65	15.86	14.71	---	---	---
16	10.00	11.96	15.44	---	---	18.43	18.49	15.80	14.76	---	---	---
17	9.84	---	15.49	---	---	18.60	18.31	15.72	15.05	---	---	---
18	9.58	---	15.55	---	---	18.77	18.12	15.62	15.46	---	---	---
19	9.04	---	15.53	---	---	18.95	17.93	15.55	15.47	---	---	---
20	9.10	---	15.53	---	---	19.05	17.76	15.46	15.46	---	---	---
21	9.05	---	15.54	13.28	---	19.16	17.56	15.33	15.55	---	---	---
22	9.04	13.12	15.56	13.20	---	19.26	17.37	15.28	15.71	---	---	---
23	8.58	13.22	15.56	12.97	---	19.33	17.19	15.15	15.76	10.81	---	---
24	8.63	13.32	15.55	12.81	---	19.36	17.05	14.99	15.78	11.04	---	---
25	9.03	13.45	15.53	12.57	---	19.37	16.91	14.86	15.72	11.27	---	---
26	10.03	13.26	15.56	12.48	---	19.39	16.88	---	15.70	11.40	---	---
27	10.32	13.10	15.61	12.52	---	19.41	16.99	---	15.71	11.45	---	---
28	10.45	13.06	15.60	12.69	---	19.42	17.03	---	15.67	11.47	---	---
29	10.25	13.17	15.65	12.85	---	19.43	16.96	---	15.67	11.48	---	---
30	10.01	13.47	15.63	13.03	---	19.43	16.91	---	15.70	---	---	---
31	9.95	---	15.54	13.15	---	19.41	---	---	---	---	---	---
MAX	10.67	---	15.65	---	---	---	19.48	---	---	---	---	---
MIN	8.58	---	13.74	---	---	---	16.88	---	---	---	---	---

MISSISSIPPI RIVER DELTA

091312700 ATCHAFALAYA BASIN MAIN CHANNEL 11.3 MILES EAST OF CATAHOULA, LA

LOCATION.--Lat 30°10'54", long 91°31'27", in sec. 14, T. 10 S., R. 9 E., St. Martin Parish, Hydrologic Unit 08080101, on a Kerr-McGee loading dock 11.3 miles east of Catahoula, LA.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1994 to September 1997 (discontinued).

GAGE.--Water-stage recorder. Gage datum is 8.07 ft below sea level.

REMARKS.--Extreme maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 25.92 ft, Apr. 1, 1997; minimum recorded, 10.09 ft, Oct. 11, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.92 ft, Apr. 1; minimum, 10.50 ft, Sept. 26, 27.

GAGE HEIGHT, IN FEET ABOVE SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.27	14.60	18.67	19.80	17.89	20.30	25.89	21.95	17.89	18.75	12.93	11.92
2	13.37	14.61	18.91	19.72	18.06	20.36	25.82	21.78	17.85	18.78	12.89	11.86
3	13.42	14.73	19.15	19.60	18.20	20.42	25.73	21.70	17.83	18.71	12.85	11.69
4	13.52	14.96	19.40	19.44	18.43	20.59	25.63	21.60	17.90	18.57	12.78	11.57
5	13.62	15.09	19.56	19.30	18.64	20.86	25.56	21.49	18.00	18.47	12.72	11.52
6	13.59	15.32	19.71	19.16	18.81	21.10	25.42	21.37	18.02	18.39	12.63	11.54
7	13.64	15.57	19.80	19.03	19.00	21.30	25.28	21.25	18.08	18.35	12.58	11.54
8	13.88	15.63	19.95	18.92	19.19	21.57	25.15	21.12	18.16	18.31	12.55	11.47
9	14.04	15.59	20.17	18.83	19.32	21.88	25.03	21.01	18.21	18.22	12.54	11.48
10	14.07	15.60	20.30	18.74	19.37	22.21	24.88	20.88	18.26	18.07	12.54	11.39
11	13.99	15.66	20.45	18.64	19.30	22.50	24.74	20.75	18.40	17.85	12.46	11.30
12	14.00	15.94	20.59	18.52	19.36	22.78	24.61	20.63	18.44	17.66	12.21	11.24
13	13.96	16.23	20.70	18.38	19.67	23.01	24.48	20.62	18.52	17.53	12.18	11.22
14	13.94	16.43	20.70	18.27	19.77	23.17	24.34	20.59	18.58	17.43	12.18	11.18
15	13.97	16.54	20.68	18.20	19.81	23.36	24.18	20.47	18.55	17.18	12.08	11.12
16	13.85	16.75	20.68	18.08	19.86	23.58	23.99	20.34	18.60	16.63	12.08	11.10
17	13.79	17.01	20.68	17.91	19.93	23.80	23.80	20.21	18.76	16.10	12.06	11.11
18	13.70	17.19	20.65	17.79	20.00	24.01	23.61	20.07	18.89	15.68	12.00	11.04
19	13.48	17.37	20.56	17.67	20.04	24.20	23.42	19.96	18.87	15.25	11.96	11.04
20	13.55	17.44	20.48	17.54	20.01	24.38	23.24	19.81	18.86	14.79	11.91	10.99
21	13.58	17.52	20.42	---	20.03	24.56	23.03	19.63	18.84	14.38	11.86	11.00
22	13.57	17.56	20.38	17.09	19.98	24.72	22.82	19.52	18.82	14.00	11.76	10.98
23	13.44	17.57	20.32	16.93	19.92	24.88	22.65	19.34	18.78	13.80	11.83	11.02
24	13.49	17.60	20.25	16.85	19.94	25.02	22.50	19.13	18.78	13.64	11.77	11.02
25	13.73	17.56	20.22	16.75	20.05	25.14	22.32	18.96	18.81	13.49	11.77	10.84
26	14.27	17.39	20.15	16.84	20.10	25.25	22.25	18.76	18.81	13.41	11.77	10.60
27	14.55	17.52	20.09	16.96	20.15	25.41	22.27	18.51	18.81	13.30	11.92	10.54
28	14.70	17.80	20.07	17.14	20.21	25.54	22.25	18.28	18.82	13.21	12.02	10.64
29	14.58	18.20	20.04	17.48	---	25.65	22.17	18.17	18.81	13.09	12.04	10.62
30	14.48	18.49	19.97	17.67	---	25.73	22.09	18.06	18.77	13.08	12.05	10.69
31	14.53	---	19.83	17.78	---	25.82	---	17.97	---	13.04	11.97	---
MAX	14.70	18.49	20.70	---	20.21	25.82	25.89	21.95	18.89	18.78	12.93	11.92
MIN	13.27	14.60	18.67	---	17.89	20.30	22.09	17.97	17.83	13.04	11.76	10.54

MISSISSIPPI RIVER DELTA

091323200 RED EYE SWAMP 11.0 MILES NORTHEAST OF LOREAUVILLE, LA

WATER-QUALITY RECORDS

LOCATION.--Lat 30°03' 33", long 91°32' 32", in sec. 15, T 11 S., R 9 E., Loreauville Quadrangle, 11.0 miles northeast of Loreauville, St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 13.0 miles northeast of Loreauville, LA.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1996 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1996 to September 1996.

pH: April 1996 to current.

WATER TEMPERATURES: April 1996 to September 1996.

DISSOLVED OXYGEN: April 1996 to September 1996.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, pH, water temperature, and dissolved oxygen.

REMARKS.--Extremes for current year for specific conductance, pH, water temperature, and dissolved oxygen are not published because the number of missing days of record exceeded 20% of the year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 472 microsiemens, Apr. 27, 1996; minimum daily, 218 microsiemens, Jan. 19, 1997.

pH: Maximum daily, 7.6 units, June 9-14, 1996; minimum daily, 6.3 units, June 10-15, July 3-7, 10, 1997.

WATER TEMPERATURES: Maximum daily, 34.1°C, July 23, 1996; minimum daily, 5.8°C, Jan. 19, 1997.

DISSOLVED OXYGEN: Maximum daily, 8.7 mg/L, July 12, 1994, but may have been higher during period of missing record; minimum daily, 0.0 mg/L, Apr. 24, Nov. 17, 1996, but may have been 0.0 mg/L during period of missing record.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	337	322	327	290	287	289
2	---	---	---	---	---	---	325	314	317	292	289	290
3	---	---	---	---	---	---	315	311	313	293	289	290
4	---	---	---	---	---	---	323	314	319	293	290	292
5	---	---	---	---	---	---	324	311	320	293	287	291
6	---	---	---	---	---	---	311	295	299	288	283	286
7	---	---	---	---	---	---	295	261	277	283	274	278
8	---	---	---	---	---	---	261	248	255	274	265	270
9	---	---	---	---	---	---	275	252	258	265	254	258
10	---	---	---	---	---	---	301	272	281	255	246	251
11	---	---	---	---	---	---	321	301	307	248	244	246
12	---	---	---	---	---	---	338	321	328	247	235	239
13	---	---	---	---	---	---	338	326	334	235	229	232
14	---	---	---	---	---	---	329	308	322	229	224	226
15	---	---	---	---	---	---	316	298	307	232	222	225
16	---	---	---	---	---	---	302	293	298	233	225	228
17	---	---	---	---	---	---	294	283	287	225	220	222
18	---	---	---	---	---	---	283	272	278	222	219	221
19	---	---	---	---	---	---	272	267	269	227	218	222
20	---	---	---	---	---	---	269	266	267	230	226	227
21	---	---	---	---	---	---	269	265	267	236	230	234
22	---	---	---	388	369	379	272	268	270	258	233	246
23	---	---	---	369	361	365	277	270	273	257	248	252
24	---	---	---	364	357	361	278	275	276	267	249	257
25	---	---	---	357	338	346	276	272	274	271	263	267
26	---	---	---	339	329	332	278	274	276	274	265	269
27	---	---	---	330	324	326	282	278	280	283	270	278
28	---	---	---	335	324	329	285	281	283	283	264	275
29	---	---	---	342	331	337	286	282	284	265	257	261
30	---	---	---	347	336	344	288	249	281	258	255	257
31	---	---	---	---	---	---	288	285	287	259	255	257
MONTH	---	---	---	---	---	---	338	248	291	293	218	256

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
	FEBRUARY				MARCH				APRIL				MAY		
1	7.2	7.0	7.1		---	---	---		---	---	---		7.1	7.0	7.0
2	7.1	7.0	7.1		---	---	---		---	---	---		7.1	7.0	7.0
3	7.3	7.1	7.2		---	---	---		---	---	---		7.1	7.0	7.1
4	7.2	7.1	7.2		---	---	---		---	---	---		7.1	7.0	7.0
5	---	---	---		---	---	---		---	---	---		7.1	7.1	7.1
6	---	---	---		---	---	---		---	---	---		7.1	7.1	7.1
7	---	---	---		---	---	---		---	---	---		7.1	6.8	6.9
8	---	---	---		---	---	---		---	---	---		6.9	6.8	6.9
9	---	---	---		---	---	---		---	---	---		6.9	6.9	6.9
10	---	---	---		---	---	---		---	---	---		6.9	6.9	6.9
11	---	---	---		---	---	---		---	---	---		6.9	6.8	6.9
12	---	---	---		---	---	---		---	---	---		6.9	6.8	6.9
13	---	---	---		---	---	---		---	---	---		6.9	6.8	6.9
14	---	---	---		---	---	---		---	---	---		6.9	6.8	6.8
15	---	---	---		---	---	---		---	---	---		6.8	6.8	6.8
16	---	---	---		---	---	---		---	---	---		6.8	6.8	6.8
17	---	---	---		---	---	---		---	---	---		6.8	6.8	6.8
18	---	---	---		---	---	---		---	---	---		6.8	6.8	6.8
19	---	---	---		---	---	---		---	---	---		---	---	---
20	---	---	---		---	---	---		---	---	---		---	---	---
21	---	---	---		---	---	---		---	---	---		---	---	---
22	---	---	---		---	---	---		---	---	---		---	---	---
23	---	---	---		---	---	---		---	---	---		---	---	---
24	---	---	---		---	---	---		---	---	---		---	---	---
25	---	---	---		---	---	---		7.0	6.9	6.9		---	---	---
26	---	---	---		---	---	---		7.0	6.9	7.0		---	---	---
27	---	---	---		---	---	---		7.0	6.9	7.0		---	---	---
28	---	---	---		---	---	---		7.0	7.0	7.0		---	---	---
29	---	---	---		---	---	---		7.0	7.0	7.0		---	---	---
30	---	---	---		---	---	---		7.0	7.0	7.0		---	---	---
31	---	---	---		---	---	---		---	---	---		---	---	---
MONTH	---	---	---		---	---	---		---	---	---		---	---	---

MISSISSIPPI RIVER DELTA

091323200 RED EYE SWAMP 11.0 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	6.7	6.6	6.7	---	---	---	---	---	---
2	---	---	---	6.9	6.4	6.5	---	---	---	---	---	---
3	---	---	---	6.4	6.3	6.4	---	---	---	---	---	---
4	---	---	---	6.3	6.3	6.3	---	---	---	---	---	---
5	---	---	---	6.4	6.3	6.3	---	---	---	---	---	---
6	---	---	---	6.4	6.3	6.4	---	---	---	---	---	---
7	---	---	---	6.4	6.3	6.4	---	---	---	---	---	---
8	---	---	---	6.4	6.4	6.4	---	---	---	---	---	---
9	---	---	---	6.4	6.4	6.4	---	---	---	---	---	---
10	6.4	6.3	6.3	6.4	6.3	6.4	---	---	---	---	---	---
11	6.3	6.3	6.3	6.4	6.4	6.4	---	---	---	---	---	---
12	6.3	6.3	6.3	6.4	6.4	6.4	---	---	---	---	---	---
13	6.3	6.3	6.3	6.5	6.4	6.4	---	---	---	---	---	---
14	6.4	6.3	6.3	6.4	6.4	6.4	---	---	---	---	---	---
15	6.4	6.3	6.3	6.4	6.4	6.4	---	---	---	---	---	---
16	6.5	6.4	6.4	6.5	6.4	6.4	---	---	---	---	---	---
17	6.6	6.4	6.5	6.4	6.4	6.4	---	---	---	---	---	---
18	6.5	6.5	6.5	6.4	6.4	6.4	---	---	---	---	---	---
19	6.5	6.5	6.5	6.4	6.4	6.4	---	---	---	---	---	---
20	6.6	6.5	6.5	6.5	6.4	6.4	---	---	---	---	---	---
21	6.6	6.5	6.6	6.5	6.4	6.5	---	---	---	---	---	---
22	6.6	6.6	6.6	6.5	6.4	6.5	---	---	---	---	---	---
23	6.6	6.5	6.6	---	---	---	---	---	---	---	---	---
24	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
25	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
26	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
27	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
28	6.7	6.6	6.7	---	---	---	---	---	---	---	---	---
29	6.7	6.6	6.7	---	---	---	---	---	---	---	---	---
30	6.7	6.6	6.7	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	14.9	14.2	14.6	12.3	11.9	12.1
2	---	---	---	---	---	---	14.2	13.2	13.5	12.7	12.2	12.4
3	---	---	---	---	---	---	13.4	13.1	13.2	13.3	12.6	12.9
4	---	---	---	---	---	---	13.9	13.3	13.6	13.7	13.1	13.3
5	---	---	---	---	---	---	13.8	13.5	13.6	13.7	13.5	13.6
6	---	---	---	---	---	---	13.9	13.5	13.6	13.5	13.1	13.3
7	---	---	---	---	---	---	14.5	13.8	14.1	13.1	12.0	12.5
8	---	---	---	---	---	---	14.1	13.3	13.6	12.0	11.2	11.6
9	---	---	---	---	---	---	13.7	13.0	13.3	11.2	10.2	10.6
10	---	---	---	---	---	---	13.8	13.1	13.4	10.3	9.8	10.1
11	---	---	---	---	---	---	14.2	13.7	13.9	10.0	9.2	9.4
12	---	---	---	---	---	---	14.5	14.1	14.3	9.2	7.8	8.3
13	---	---	---	---	---	---	14.5	14.3	14.4	7.8	6.9	7.3
14	---	---	---	---	---	---	14.7	14.3	14.5	7.0	6.4	6.7
15	---	---	---	---	---	---	14.6	14.4	14.5	7.6	6.8	7.1
16	---	---	---	---	---	---	14.5	13.7	14.3	7.6	7.0	7.3
17	---	---	---	---	---	---	13.7	13.1	13.4	7.2	6.3	6.5
18	---	---	---	---	---	---	13.1	11.2	12.3	6.5	5.9	6.2
19	---	---	---	---	---	---	11.2	10.0	10.5	6.7	5.8	6.2
20	---	---	---	---	---	---	10.0	9.2	9.6	7.3	6.7	6.9
21	---	---	---	---	---	---	9.2	8.8	9.0	8.0	7.3	7.6
22	---	---	---	19.0	17.8	18.4	9.4	9.0	9.2	9.2	7.6	8.6
23	---	---	---	18.3	17.5	17.8	9.9	9.1	9.4	9.3	9.0	9.1
24	---	---	---	18.7	17.7	18.2	9.9	9.7	9.8	11.3	9.2	10.2
25	---	---	---	18.3	15.7	16.9	9.8	9.3	9.6	11.9	10.8	11.4
26	---	---	---	15.7	13.6	14.6	10.1	9.4	9.7	11.8	10.7	11.2
27	---	---	---	13.6	12.7	13.1	10.7	10.1	10.4	12.9	11.3	12.2
28	---	---	---	13.7	12.7	13.1	11.3	10.7	11.0	13.0	11.6	12.6
29	---	---	---	14.5	13.3	13.8	11.5	11.2	11.3	11.6	10.1	10.9
30	---	---	---	15.7	14.3	14.9	11.8	11.5	11.6	10.1	9.6	9.7
31	---	---	---	---	---	---	12.0	11.7	11.8	10.2	9.4	9.7
MONTH	---	---	---	---	---	---	14.9	8.8	12.3	13.7	5.8	9.9

MISSISSIPPI RIVER DELTA

091323200 RED EYE SWAMP 11.0 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
	FEBRUARY				MARCH				APRIL				MAY		
1	11.1	9.8	10.2		---	---	---		---	---	---		18.8	18.3	18.6
2	11.1	10.5	10.7		---	---	---		---	---	---		19.6	18.8	19.2
3	13.3	10.8	11.7		---	---	---		---	---	---		19.9	19.6	19.8
4	12.0	11.4	11.7		---	---	---		---	---	---		20.0	19.4	19.9
5	---	---	---		---	---	---		---	---	---		19.9	19.5	19.7
6	---	---	---		---	---	---		---	---	---		19.9	19.7	19.8
7	---	---	---		---	---	---		---	---	---		20.4	19.8	20.0
8	---	---	---		---	---	---		---	---	---		20.7	20.1	20.3
9	---	---	---		---	---	---		---	---	---		20.8	20.4	20.6
10	---	---	---		---	---	---		---	---	---		20.9	20.5	20.7
11	---	---	---		---	---	---		---	---	---		20.6	20.4	20.5
12	---	---	---		---	---	---		---	---	---		20.7	20.5	20.6
13	---	---	---		---	---	---		---	---	---		20.9	20.6	20.7
14	---	---	---		---	---	---		---	---	---		21.6	20.7	21.1
15	---	---	---		---	---	---		---	---	---		21.8	21.1	21.4
16	---	---	---		---	---	---		---	---	---		21.9	21.6	21.7
17	---	---	---		---	---	---		---	---	---		22.3	21.9	22.0
18	---	---	---		---	---	---		---	---	---		22.8	22.0	22.4
19	---	---	---		---	---	---		---	---	---		23.0	22.3	22.6
20	---	---	---		---	---	---		---	---	---		23.5	22.7	23.0
21	---	---	---		---	---	---		---	---	---		23.7	22.9	23.2
22	---	---	---		---	---	---		---	---	---		23.4	23.1	23.2
23	---	---	---		---	---	---		---	---	---		23.5	23.0	23.2
24	---	---	---		---	---	---		---	---	---		23.3	23.0	23.2
25	---	---	---		---	---	---		18.9	18.2	18.4		23.1	22.9	23.0
26	---	---	---		---	---	---		18.2	17.8	17.9		24.2	22.8	23.4
27	---	---	---		---	---	---		18.5	17.9	18.2		24.5	23.2	23.7
28	---	---	---		---	---	---		18.3	17.8	17.9		24.7	23.4	23.9
29	---	---	---		---	---	---		18.2	17.7	17.9		24.5	23.7	24.1
30	---	---	---		---	---	---		18.6	17.7	18.2		24.8	23.7	24.2
31	---	---	---		---	---	---		---	---	---		25.8	24.1	24.8
MONTH	---	---	---		---	---	---		---	---	---		25.8	18.3	21.8

[illegible]

MISSISSIPPI RIVER DELTA

091323200 RED EYE SWAMP 11.0 MILES NORTHEAST OF LOREAUVILLE, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	5.3	3.5	4.3	3.3	3.0	3.1
2	---	---	---	---	---	---	5.5	4.2	4.8	3.1	2.7	2.9
3	---	---	---	---	---	---	5.8	4.4	5.4	3.5	2.7	3.0
4	---	---	---	---	---	---	6.5	4.1	5.3	3.7	2.7	3.1
5	---	---	---	---	---	---	6.2	3.5	5.0	3.6	2.9	3.1
6	---	---	---	---	---	---	4.1	2.9	3.6	3.3	3.0	3.1
7	---	---	---	---	---	---	3.4	2.5	2.8	4.1	3.3	3.8
8	---	---	---	---	---	---	2.8	1.9	2.3	4.1	3.9	4.0
9	---	---	---	---	---	---	2.6	2.0	2.3	5.6	4.1	4.9
10	---	---	---	---	---	---	2.8	2.3	2.5	6.2	4.6	5.2
11	---	---	---	---	---	---	2.7	2.1	2.3	6.2	5.3	5.6
12	---	---	---	---	---	---	2.3	1.6	1.8	6.0	5.6	5.8
13	---	---	---	---	---	---	1.6	.7	1.0	6.6	5.7	6.2
14	---	---	---	---	---	---	1.2	.9	1.0	7.1	6.6	6.8
15	---	---	---	---	---	---	1.5	1.0	1.2	7.2	6.6	6.9
16	---	---	---	---	---	---	2.2	1.2	1.6	7.2	6.7	6.9
17	---	---	---	---	---	---	2.9	2.2	2.6	7.2	6.8	7.0
18	---	---	---	---	---	---	4.3	2.9	3.5	7.3	6.7	7.0
19	---	---	---	---	---	---	4.8	4.3	4.5	7.2	6.8	7.1
20	---	---	---	---	---	---	5.2	4.4	4.7	7.1	6.3	6.8
21	---	---	---	---	---	---	5.6	5.0	5.2	6.7	6.0	6.4
22	---	---	---	4.9	3.1	3.8	5.2	4.7	5.0	6.6	5.9	6.3
23	---	---	---	5.2	3.3	4.0	5.4	4.6	4.9	6.3	5.2	5.7
24	---	---	---	4.9	3.1	3.8	5.5	4.4	4.9	5.7	5.0	5.4
25	---	---	---	4.2	3.4	3.7	5.5	4.9	5.2	5.7	5.0	5.3
26	---	---	---	5.3	3.0	4.4	4.9	4.4	4.6	5.4	4.1	4.9
27	---	---	---	6.3	5.3	5.7	4.7	3.9	4.3	4.9	3.8	4.3
28	---	---	---	6.9	5.4	5.9	3.9	3.2	3.5	5.4	3.7	4.8
29	---	---	---	5.7	4.6	5.2	3.4	3.0	3.2	5.5	5.0	5.2
30	---	---	---	5.6	3.7	4.5	3.5	3.1	3.2	5.4	4.6	5.0
31	---	---	---	---	---	---	3.5	3.0	3.2	6.1	4.6	5.4
MONTH	---	---	---	---	---	---	6.5	.7	3.5	7.3	2.7	5.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.3	4.4	5.1	---	---	---	---	---	---	2.7	2.4	2.5
2	5.0	3.6	4.5	---	---	---	---	---	---	2.5	2.1	2.4
3	6.5	4.3	5.3	---	---	---	---	---	---	2.5	2.1	2.3
4	5.4	3.9	4.7	---	---	---	---	---	---	2.2	2.0	2.1
5	---	---	---	---	---	---	---	---	---	2.2	1.8	2.0
6	---	---	---	---	---	---	---	---	---	2.3	1.8	2.0
7	---	---	---	---	---	---	---	---	---	2.2	1.8	2.1
8	---	---	---	---	---	---	---	---	---	2.1	1.7	1.9
9	---	---	---	---	---	---	---	---	---	1.9	1.5	1.7
10	---	---	---	---	---	---	---	---	---	1.9	1.6	1.8
11	---	---	---	---	---	---	---	---	---	1.9	1.2	1.5
12	---	---	---	---	---	---	---	---	---	1.3	.9	1.1
13	---	---	---	---	---	---	---	---	---	1.1	.9	1.0
14	---	---	---	---	---	---	---	---	---	1.1	.7	.9
15	---	---	---	---	---	---	---	---	---	.8	.6	.7
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	1.0	.4	.7
21	---	---	---	---	---	---	---	---	---	1.9	.4	.8
22	---	---	---	---	---	---	---	---	---	1.7	.8	1.2
23	---	---	---	---	---	---	---	---	---	1.3	.4	.7
24	---	---	---	---	---	---	---	---	---	1.7	.4	.8
25	---	---	---	---	---	---	3.5	2.9	3.2	1.6	.5	1.0
26	---	---	---	---	---	---	4.0	2.8	3.4	1.2	.3	.7
27	---	---	---	---	---	---	3.6	2.7	3.2	.6	.2	.3
28	---	---	---	---	---	---	3.3	2.9	3.1	1.1	.2	.4
29	---	---	---	---	---	---	3.5	2.8	3.0	1.1	.3	.6
30	---	---	---	---	---	---	3.0	2.5	2.7	.5	.2	.3
31	---	---	---	---	---	---	---	---	---	1.4	.3	.8
MONTH	---	---	---	---	---	---	---	---	---	2.7	.2	1.3

GROUND-WATER LEVELS

JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: STONE CONTAINER CORP. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 12 TO 8 IN., DEPTH 570 FT, SCREENED 542-570. MP TOP OF NIPPLE IN CASING COVER PLATE, 0.20 FT ABOVE LSD.
 LSD 160 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961,
 LOWEST WATER LEVEL 204.42 BELOW LSD, OCT. 6, 1995.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	201.19	JAN. 31, 1997	198.50	MAY 14, 1997	171.67	JULY 8, 1997	191.15

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 220 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975,
 LOWEST WATER LEVEL 247.43 BELOW LSD, SEP. 30, 1997.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1996	246.47	JAN. 31, 1997	246.01	APR. 30, 1997	245.62	JULY 31, 1997	246.59
OCT. 31	246.50	FEB. 28	245.78	MAY 29	245.96	SEP. 3	247.07
DEC. 3	246.49	MAR. 31	246.03	JUNE 30	245.99	SEP. 30	247.43
JAN. 3, 1997	245.94						

JEFFERSON PARISH

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 4 IN., DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-IN. PLASTIC LINER, 2.05 FT ABOVE LSD.
 LSD 9 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 61.22 BELOW LSD, MAY 9, 1996,
 LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	64.95	FEB. 27, 1997	61.42	APR. 14, 1997	61.71	AUG. 5, 1997	68.77

300222090144601 LOCAL WELL NUMBER: JF-178

OWNER: JEFFERSON PARISH DRAINAGE DISTRICT. (SEC. 37, T. 12S., R. 9E.) DRILLED INDUSTRIAL COOLING SUPPLY WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 6 TO 4 IN., DEPTH 700 FT, SCREENED 660-700. MP HOLE IN SANITARY SEAL ON 2-IN. CASING, 1.0 FT ABOVE LSD.
 LSD AT SEA LEVEL.
 HIGHEST WATER LEVEL 21.11 BELOW LSD, FEB. 26, 1997,
 LOWEST WATER LEVEL 35.00 BELOW LSD, MAY 31, 1984.
 RECORDS AVAILABLE 1984, 1987, 1993, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	23.63	FEB. 26, 1997	21.11	APR. 9, 1997	21.69	AUG. 5, 1997	23.90

MISSISSIPPI RIVER DELTA

091324000 PIPELINE CANAL NEAR BAYOU CROOK CHENE 13.0 MILES NORTHEAST OF LOREAUVILLE, LA

LOCATION.--Lat 30 °07' 24", long 91°32' 40", in sec. 4, T. 11 S., R. 9 E., St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 13.0 miles northeast of Loreauville, LA.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1993 to September 1997 (discontinued).

GAGE.--Water-stage recorder with electromagnetic flowmeter. Datum of gage is 1.10 ft below sea level.

REMARKS.--Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 16.95 ft, Apr. 5, 1997; minimum recorded, 1.59 ft, Oct. 22, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 16.95 ft, Apr. 5; minimum recorded, 1.59 ft, Oct. 22.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	11.32	12.99	10.60	13.46	---	14.45	10.31	12.92	5.43	---
2	3.20	---	11.44	12.93	10.85	13.51	16.84	14.28	10.31	12.98	5.42	---
3	3.25	---	11.70	12.80	11.08	13.56	16.82	14.26	10.34	12.88	5.41	---
4	3.38	---	11.94	12.59	11.46	13.64	16.80	14.18	10.54	12.64	---	---
5	3.53	---	12.21	12.43	11.81	13.89	16.89	14.11	10.79	12.46	---	---
6	3.32	---	12.30	12.27	12.08	14.10	16.81	14.00	10.91	12.31	---	---
7	3.35	---	12.39	12.11	12.37	14.23	16.71	13.91	11.10	12.25	---	---
8	3.78	---	12.37	11.98	12.66	14.47	16.63	13.79	11.33	12.17	---	---
9	3.99	---	12.41	11.89	12.84	14.77	16.56	13.72	11.53	12.01	---	---
10	3.93	---	12.61	11.78	12.90	15.09	16.48	13.62	11.67	11.74	---	---
11	3.67	---	12.65	11.68	12.72	15.33	16.40	13.48	11.93	11.31	---	---
12	3.60	---	12.74	11.55	12.80	15.54	16.37	13.38	12.03	10.93	---	---
13	3.38	---	12.87	11.37	13.27	15.71	16.29	13.46	12.18	10.67	---	---
14	3.27	---	12.98	11.22	13.41	15.80	16.20	13.50	12.32	10.46	---	---
15	3.18	---	13.03	11.16	13.43	15.86	16.11	13.43	12.30	10.01	---	---
16	2.83	---	13.15	11.05	13.46	15.94	15.99	13.35	12.39	9.34	---	---
17	2.61	---	13.23	10.80	13.52	16.03	15.85	13.22	12.77	8.77	---	---
18	2.31	---	13.28	10.63	13.58	16.15	15.67	13.10	13.04	8.40	---	---
19	1.74	10.00	13.22	10.48	13.61	16.23	15.50	13.02	13.01	8.02	---	---
20	1.78	10.13	13.16	10.22	13.52	16.30	15.33	12.87	13.00	7.59	---	---
21	1.75	10.36	13.14	9.98	13.51	16.38	15.12	12.61	12.98	7.25	---	---
22	1.69	10.51	13.16	9.83	13.38	16.48	14.92	12.54	12.96	6.93	---	---
23	---	10.58	13.13	9.38	13.22	16.56	14.76	12.35	12.89	6.58	---	---
24	---	10.65	13.11	9.13	13.18	---	14.60	12.15	12.90	6.29	---	---
25	---	10.67	13.13	8.83	13.30	---	14.42	11.86	12.95	6.05	---	---
26	---	10.27	13.10	8.92	13.32	---	14.42	11.55	12.98	5.93	---	---
27	---	10.02	13.08	9.10	13.34	---	14.58	11.28	12.98	5.78	---	---
28	---	10.06	13.13	9.41	13.36	---	14.64	10.88	13.01	5.65	---	---
29	---	10.37	13.16	9.99	---	---	14.59	10.70	13.01	5.48	---	---
30	---	10.94	13.13	10.30	---	---	14.56	10.54	12.95	5.52	---	---
31	---	---	12.97	10.46	---	---	---	10.42	---	5.51	---	---
MAX	---	---	13.28	12.99	13.61	---	---	14.45	13.04	12.98	---	---
MIN	---	---	11.32	8.83	10.60	---	---	10.42	10.31	5.48	---	---

MISSISSIPPI RIVER DELTA
91325300 OVERBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE
WATER-QUALITY RECORDS

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, LA.

PERIOD OF RECORD.--Water years 1994 to current year.

PERIOD OF DAILY RECORD.--Water years 1994 to current year.

SPECIFIC CONDUCTANCE: Water years 1994 to current year.

pH: Water years 1994 to current year.

WATER TEMPERATURES: Water years 1994 to current year.

DISSOLVED OXYGEN: Water years 1994 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, pH, water temperature, and dissolved oxygen.

REMARKS.--Extremes for current year for specific conductance, pH, water temperature, and dissolved oxygen are not published because the number of missing days exceeded 20 % of the year. The water-quality monitor was out of water from Oct. 1-Dec. 16, Jan 21-Feb. 5, and July 2-Sep. 30.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 522 microsiemens, July 13, 1995, 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, 5.6°C, Jan. 19, 1997, but may have been lower during period of missing record.

DISSOLVED OXYGEN: Maximum daily, 9.8 mg/L, Feb. 16, 1997, 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, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
	OCTOBER				NOVEMBER				DECEMBER				JANUARY		
1	---	---	---		---	---	---		---	---	---		296	289	292
2	---	---	---		---	---	---		---	---	---		291	288	289
3	---	---	---		---	---	---		---	---	---		290	287	289
4	---	---	---		---	---	---		---	---	---		289	283	286
5	---	---	---		---	---	---		---	---	---		286	282	284
6	---	---	---		---	---	---		---	---	---		287	280	283
7	---	---	---		---	---	---		---	---	---		286	279	281
8	---	---	---		---	---	---		---	---	---		282	278	280
9	---	---	---		---	---	---		---	---	---		284	270	277
10	---	---	---		---	---	---		---	---	---		284	272	280
11	---	---	---		---	---	---		---	---	---		284	270	279
12	---	---	---		---	---	---		---	---	---		283	269	275
13	---	---	---		---	---	---		---	---	---		277	268	271
14	---	---	---		---	---	---		---	---	---		277	268	272
15	---	---	---		---	---	---		---	---	---		279	273	276
16	---	---	---		---	---	---		---	---	---		282	272	276
17	---	---	---		---	---	---		300	293	296		289	272	279
18	---	---	---		---	---	---		304	299	302		291	286	289
19	---	---	---		---	---	---		305	301	303		292	287	290
20	---	---	---		---	---	---		306	301	303		296	287	291
21	---	---	---		---	---	---		309	304	305		---	---	---
22	---	---	---		---	---	---		311	302	306		---	---	---
23	---	---	---		---	---	---		304	301	303		---	---	---
24	---	---	---		---	---	---		308	301	304		---	---	---
25	---	---	---		---	---	---		310	299	303		---	---	---
26	---	---	---		---	---	---		304	298	300		---	---	---
27	---	---	---		---	---	---		301	298	299		---	---	---
28	---	---	---		---	---	---		303	301	302		---	---	---
29	---	---	---		---	---	---		302	299	300		---	---	---
30	---	---	---		---	---	---		301	297	299		---	---	---
31	---	---	---		---	---	---		298	291	295		---	---	---
MONTH	---	---	---		---	---	---		---	---	---		---	---	---

MISSISSIPPI RIVER DELTA

91325300 OVERBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
2	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
3	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
4	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
5	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
6	---	---	---	---	---	---	---	---	---	7.3	7.0	7.1
7	---	---	---	---	---	---	---	---	---	7.2	7.2	7.2
8	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
9	---	---	---	---	---	---	---	---	---	7.2	7.1	7.2
10	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
11	---	---	---	---	---	---	---	---	---	7.2	7.1	7.2
12	---	---	---	---	---	---	---	---	---	7.2	7.2	7.2
13	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
14	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
15	---	---	---	---	---	---	---	---	---	7.3	7.3	7.3
16	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
17	---	---	---	---	---	---	7.2	7.2	7.2	7.4	7.3	7.3
18	---	---	---	---	---	---	7.3	7.2	7.3	7.4	7.3	7.4
19	---	---	---	---	---	---	7.4	7.1	7.2	7.4	7.2	7.3
20	---	---	---	---	---	---	7.4	7.3	7.3	7.3	7.2	7.3
21	---	---	---	---	---	---	7.4	7.2	7.3	---	---	---
22	---	---	---	---	---	---	7.4	7.2	7.3	---	---	---
23	---	---	---	---	---	---	7.5	7.4	7.4	---	---	---
24	---	---	---	---	---	---	7.4	7.1	7.2	---	---	---
25	---	---	---	---	---	---	7.3	7.1	7.2	---	---	---
26	---	---	---	---	---	---	7.3	7.2	7.2	---	---	---
27	---	---	---	---	---	---	7.3	7.2	7.3	---	---	---
28	---	---	---	---	---	---	7.4	7.3	7.3	---	---	---
29	---	---	---	---	---	---	7.4	7.2	7.3	---	---	---
30	---	---	---	---	---	---	7.3	7.2	7.2	---	---	---
31	---	---	---	---	---	---	7.3	7.1	7.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	6.7	6.6	6.7
2	---	---	---	---	---	---	---	---	---	6.7	6.6	6.6
3	---	---	---	---	---	---	---	---	---	6.6	6.6	6.6
4	---	---	---	---	---	---	---	---	---	6.7	6.6	6.6
5	---	---	---	---	---	---	---	---	---	6.7	6.6	6.7
6	6.9	6.9	6.9	---	---	---	---	---	---	6.8	6.6	6.7
7	6.9	6.9	6.9	7.2	7.1	7.2	---	---	---	6.9	6.6	6.7
8	6.9	6.9	6.9	7.3	7.2	7.3	---	---	---	6.8	6.7	6.8
9	6.9	6.9	6.9	7.4	7.3	7.3	---	---	---	6.8	6.7	6.7
10	7.1	6.9	7.0	7.4	7.3	7.3	---	---	---	6.8	6.7	6.8
11	7.2	7.0	7.1	7.4	7.3	7.4	---	---	---	6.8	6.8	6.8
12	7.3	7.1	7.3	7.4	7.4	7.4	---	---	---	6.8	6.8	6.8
13	7.4	7.3	7.4	7.5	7.4	7.4	---	---	---	6.8	6.8	6.8
14	7.4	7.3	7.3	7.5	7.4	7.5	---	---	---	6.8	6.7	6.8
15	7.4	7.3	7.4	7.5	7.5	7.5	---	---	---	6.8	6.7	6.8
16	7.4	7.4	7.4	7.5	7.5	7.5	---	---	---	6.9	6.8	6.8
17	7.4	7.3	7.3	7.5	7.5	7.5	---	---	---	6.9	6.8	6.8
18	7.3	7.3	7.3	7.6	7.5	7.6	---	---	---	6.9	6.9	6.9
19	7.3	7.2	7.3	7.6	7.6	7.6	---	---	---	6.9	6.2	6.6
20	7.3	7.1	7.2	7.6	7.6	7.6	---	---	---	6.2	6.2	6.2
21	7.2	7.1	7.1	7.6	7.6	7.6	---	---	---	6.3	6.2	6.2
22	7.2	7.0	7.1	7.6	7.6	7.6	---	---	---	6.3	6.2	6.3
23	7.2	7.1	7.2	7.7	7.6	7.6	---	---	---	6.4	6.3	6.3
24	7.2	7.1	7.2	7.6	7.6	7.6	---	---	---	6.4	6.3	6.4
25	7.3	7.2	7.2	7.6	7.6	7.6	6.4	6.4	6.4	6.4	6.4	6.4
26	7.3	7.2	7.2	7.6	7.6	7.6	6.5	6.4	6.5	6.4	6.4	6.4
27	---	---	---	7.6	7.6	7.6	6.5	6.5	6.5	6.5	6.4	6.4
28	---	---	---	7.6	7.6	7.6	6.6	6.5	6.5	6.4	6.4	6.4
29	---	---	---	---	---	---	6.6	6.5	6.6	6.4	6.4	6.4
30	---	---	---	---	---	---	6.7	6.6	6.6	6.4	6.4	6.4
31	---	---	---	---	---	---	---	---	---	6.4	6.3	6.4
MONTH	---	---	---	---	---	---	---	---	---	6.9	6.2	6.6

MISSISSIPPI RIVER DELTA

91325300 OVERBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN
	FEBRUARY				MARCH				APRIL				MAY		
1	---	---	---		---	---	---		---	---	---		18.2	17.6	18.0
2	---	---	---		---	---	---		---	---	---		18.6	18.2	18.5
3	---	---	---		---	---	---		---	---	---		19.0	18.6	18.9
4	---	---	---		---	---	---		---	---	---		19.1	18.9	19.1
5	---	---	---		---	---	---		---	---	---		19.2	18.9	19.1
6	13.9	13.1	13.4		---	---	---		---	---	---		19.1	18.9	19.1
7	13.5	12.7	13.1		14.6	13.8	14.2		---	---	---		19.5	19.1	19.3
8	12.7	11.5	12.1		14.2	13.8	14.0		---	---	---		20.1	19.5	19.8
9	11.6	10.6	11.1		14.7	14.0	14.4		---	---	---		20.5	19.9	20.2
10	11.0	9.3	10.0		15.0	14.2	14.5		---	---	---		20.6	20.2	20.3
11	9.8	9.0	9.4		14.5	13.8	14.1		---	---	---		20.2	19.8	19.9
12	9.8	8.7	9.1		14.3	14.0	14.1		---	---	---		20.1	19.9	20.0
13	9.3	8.5	9.0		14.5	14.1	14.3		---	---	---		20.5	19.9	20.2
14	8.9	8.1	8.3		14.6	14.4	14.5		---	---	---		21.1	20.4	20.9
15	8.9	8.3	8.6		14.4	13.8	14.1		---	---	---		21.6	21.0	21.4
16	9.1	8.4	8.8		13.8	13.3	13.4		---	---	---		21.8	21.5	21.6
17	9.5	9.1	9.3		13.5	13.2	13.3		---	---	---		21.8	21.5	21.7
18	9.7	9.4	9.6		13.6	13.3	13.5		---	---	---		22.1	21.6	21.9
19	11.4	9.7	10.3		14.1	13.5	13.8		---	---	---		22.5	21.9	22.2
20	11.8	10.7	11.3		13.6	13.2	13.3		---	---	---		22.6	22.2	22.4
21	11.9	11.6	11.8		13.3	12.9	13.1		---	---	---		22.8	22.2	22.5
22	11.9	11.4	11.6		14.0	13.3	13.6		---	---	---		22.8	22.3	22.6
23	11.4	10.7	11.1		14.2	13.5	13.9		---	---	---		22.7	22.3	22.6
24	11.2	10.5	10.7		14.3	13.8	14.0		---	---	---		22.9	22.3	22.6
25	11.7	10.8	11.3		14.6	13.9	14.3		18.2	17.7	18.0		22.7	22.5	22.6
26	13.1	11.7	12.4		14.8	14.3	14.6		17.7	17.1	17.3		22.8	22.4	22.6
27	---	---	---		15.0	14.6	14.8		17.5	17.0	17.2		23.4	22.6	22.9
28	---	---	---		15.0	14.6	14.8		17.8	17.4	17.7		24.3	22.9	23.4
29	---	---	---		---	---	---		17.4	17.0	17.2		24.0	23.6	23.8
30	---	---	---		---	---	---		17.6	17.0	17.3		24.4	23.5	23.9
31	---	---	---		---	---	---		---	---	---		24.9	23.7	24.0
MONTH	---	---	---		---	---	---		---	---	---		24.9	17.6	21.2

[illegible]

MISSISSIPPI RIVER DELTA

91325300 OVERBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	5.1	3.3	4.4
2	---	---	---	---	---	---	---	---	---	5.1	4.1	4.7
3	---	---	---	---	---	---	---	---	---	5.1	3.5	4.5
4	---	---	---	---	---	---	---	---	---	4.3	3.2	3.9
5	---	---	---	---	---	---	---	---	---	3.5	2.3	3.0
6	---	---	---	---	---	---	---	---	---	6.3	2.7	4.2
7	---	---	---	---	---	---	---	---	---	6.2	5.0	5.4
8	---	---	---	---	---	---	---	---	---	6.8	5.9	6.3
9	---	---	---	---	---	---	---	---	---	7.1	5.9	6.5
10	---	---	---	---	---	---	---	---	---	7.5	5.8	6.5
11	---	---	---	---	---	---	---	---	---	6.9	5.7	6.3
12	---	---	---	---	---	---	---	---	---	7.1	6.4	6.8
13	---	---	---	---	---	---	---	---	---	7.9	6.8	7.3
14	---	---	---	---	---	---	---	---	---	8.8	7.8	8.2
15	---	---	---	---	---	---	---	---	---	8.9	7.9	8.3
16	---	---	---	---	---	---	---	---	---	8.5	7.7	8.2
17	---	---	---	---	---	---	4.9	4.2	4.6	9.0	8.3	8.6
18	---	---	---	---	---	---	5.7	4.2	5.1	9.3	8.5	8.9
19	---	---	---	---	---	---	6.1	4.8	5.6	9.4	8.1	9.0
20	---	---	---	---	---	---	6.8	5.9	6.4	8.9	7.7	8.4
21	---	---	---	---	---	---	6.6	5.2	6.1	---	---	---
22	---	---	---	---	---	---	6.8	4.5	6.0	---	---	---
23	---	---	---	---	---	---	6.8	5.9	6.4	---	---	---
24	---	---	---	---	---	---	6.0	3.3	5.0	---	---	---
25	---	---	---	---	---	---	5.6	2.9	4.7	---	---	---
26	---	---	---	---	---	---	5.6	4.2	5.0	---	---	---
27	---	---	---	---	---	---	5.6	4.5	5.2	---	---	---
28	---	---	---	---	---	---	6.0	5.2	5.6	---	---	---
29	---	---	---	---	---	---	6.1	5.5	5.8	---	---	---
30	---	---	---	---	---	---	5.7	4.2	4.9	---	---	---
31	---	---	---	---	---	---	5.1	3.6	4.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	4.4	3.9	4.2
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	6.7	5.6	6.1	---	---	---	---	---	---	---	---	---
7	6.4	4.6	5.6	6.8	6.2	6.5	---	---	---	---	---	---
8	5.1	4.4	4.6	7.0	6.4	6.7	---	---	---	4.0	3.5	3.8
9	5.5	3.8	4.4	6.7	6.1	6.4	---	---	---	3.8	3.2	3.5
10	6.6	4.7	5.7	6.6	5.8	6.3	---	---	---	4.1	2.7	3.4
11	8.3	5.6	6.6	6.4	6.0	6.3	---	---	---	4.4	3.5	4.0
12	9.3	7.5	8.6	6.5	6.3	6.4	---	---	---	3.5	2.9	3.2
13	9.7	9.0	9.4	6.6	6.4	6.6	---	---	---	3.5	2.6	3.1
14	9.5	8.8	9.2	6.7	6.5	6.6	---	---	---	3.3	2.0	2.9
15	9.6	9.0	9.3	6.6	6.4	6.5	---	---	---	3.3	2.1	2.7
16	9.8	8.3	9.3	6.7	6.5	6.6	---	---	---	2.8	2.1	2.5
17	8.7	8.1	8.4	6.7	6.5	6.6	---	---	---	2.7	2.0	2.3
18	8.6	8.3	8.4	6.7	6.6	6.6	---	---	---	2.8	2.0	2.4
19	8.4	7.6	8.0	6.8	6.6	6.7	---	---	---	3.4	1.4	2.5
20	8.2	6.7	7.5	6.9	6.8	6.9	---	---	---	3.1	2.2	2.6
21	7.0	5.6	6.2	6.9	6.7	6.8	---	---	---	2.5	1.0	1.9
22	7.6	5.2	6.3	6.8	6.7	6.8	---	---	---	2.4	.9	1.5
23	7.7	6.9	7.3	6.8	6.6	6.7	---	---	---	2.4	1.1	1.6
24	7.6	6.8	7.2	6.8	6.6	6.7	---	---	---	2.6	.7	1.2
25	7.4	6.5	7.0	6.7	6.5	6.6	4.9	4.4	4.7	1.6	.6	1.0
26	7.1	6.1	6.6	6.6	6.5	6.6	5.1	4.6	4.9	.9	.6	.7
27	---	---	---	6.6	6.5	6.5	5.1	4.7	4.9	.7	.6	.6
28	---	---	---	6.5	6.4	6.4	5.3	4.7	4.9	1.4	.6	.6
29	---	---	---	---	---	---	4.9	3.9	4.4	1.4	.6	.7
30	---	---	---	---	---	---	4.4	4.2	4.3	1.6	.6	.8
31	---	---	---	---	---	---	---	---	---	1.5	.6	.9
MONTH	---	---	---	---	---	---	---	---	---	4.4	.6	2.2

MISSISSIPPI RIVER DELTA

91325300 OVBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN JUNE	MEAN		MAX	MIN JULY	MEAN		MAX	MIN AUGUST	MEAN		MAX	MIN SEPTEMBER	MEAN
1	1.2	.6	.9		---	---	---		---	---	---		---	---	---
2	1.6	.7	1.1		---	---	---		---	---	---		---	---	---
3	1.6	.6	1.0		---	---	---		---	---	---		---	---	---
4	1.9	.6	1.1		---	---	---		---	---	---		---	---	---
5	2.0	.6	1.0		---	---	---		---	---	---		---	---	---
6	1.7	.6	.9		---	---	---		---	---	---		---	---	---
7	1.6	.6	.9		---	---	---		---	---	---		---	---	---
8	1.5	.6	.8		---	---	---		---	---	---		---	---	---
9	1.5	.3	.8		---	---	---		---	---	---		---	---	---
10	1.2	.3	.5		---	---	---		---	---	---		---	---	---
11	1.2	.4	.8		---	---	---		---	---	---		---	---	---
12	.6	.3	.4		---	---	---		---	---	---		---	---	---
13	.6	.3	.3		---	---	---		---	---	---		---	---	---
14	.8	.3	.3		---	---	---		---	---	---		---	---	---
15	.5	.3	.3		---	---	---		---	---	---		---	---	---
16	.6	.3	.4		---	---	---		---	---	---		---	---	---
17	---	---	---		---	---	---		---	---	---		---	---	---
18	---	---	---		---	---	---		---	---	---		---	---	---
19	---	---	---		---	---	---		---	---	---		---	---	---
20	---	---	---		---	---	---		---	---	---		---	---	---
21	---	---	---		---	---	---		---	---	---		---	---	---
22	---	---	---		---	---	---		---	---	---		---	---	---
23	---	---	---		---	---	---		---	---	---		---	---	---
24	---	---	---		---	---	---		---	---	---		---	---	---
25	---	---	---		---	---	---		---	---	---		---	---	---
26	---	---	---		---	---	---		---	---	---		---	---	---
27	---	---	---		---	---	---		---	---	---		---	---	---
28	---	---	---		---	---	---		---	---	---		---	---	---
29	---	---	---		---	---	---		---	---	---		---	---	---
30	---	---	---		---	---	---		---	---	---		---	---	---
31	---	---	---		---	---	---		---	---	---		---	---	---
MONTH	---	---	---		---	---	--		---	---	---		---	---	---

MISSISSIPPI RIVER DELTA

091343800 FLORIDA GAS PIPELINE 10.3 MILES NORTHEAST OF LOREAUVILLE, LA

LOCATION.--Lat 30°05' 58", long 91°34' 38", in sec. 8, T. 11 S., R. 9 E., 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 1997 (discontinued).

GAGE.--Water-stage recorder with electromagnetic flowmeter. Gage datum is 0.99 ft above sea level.

REMARKS.--Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 14.22 ft, Mar. 28, 29, 1997; minimum recorded, 1.96 ft, Oct. 25, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 14.22 ft, Mar. 28, 29; minimum recorded, 1.96 ft, Oct. 25.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.78	---	8.63	10.26	8.02	10.62	14.01	---	---	---	---	---
2	3.95	---	8.75	10.21	8.24	10.67	---	---	---	---	---	---
3	3.98	---	8.97	10.12	8.43	10.70	---	---	---	---	---	---
4	4.13	---	9.18	9.97	8.76	10.75	---	---	---	---	---	---
5	4.20	---	9.41	9.84	9.06	10.91	---	---	---	---	---	---
6	4.29	---	9.51	9.70	9.29	11.07	---	---	---	---	---	---
7	4.10	---	9.60	9.57	9.53	11.18	---	---	---	---	---	---
8	4.12	---	9.61	9.45	9.78	11.39	---	---	---	---	---	---
9	4.52	---	9.65	9.35	9.94	11.56	---	---	---	---	---	---
10	4.74	---	9.81	9.25	10.03	11.78	---	---	---	---	---	---
11	4.68	---	9.86	9.16	9.95	11.99	---	---	---	---	---	---
12	4.44	---	9.94	9.04	10.03	12.22	---	---	---	---	---	---
13	4.37	---	10.04	8.89	10.37	12.49	---	---	---	---	---	---
14	4.17	---	10.11	8.75	10.50	12.65	---	---	---	---	---	---
15	4.06	---	10.18	8.69	10.54	---	---	---	---	---	---	---
16	3.98	---	10.29	8.60	10.58	---	---	---	---	---	---	---
17	3.65	---	10.36	8.39	10.64	---	---	---	---	---	---	---
18	3.43	---	10.41	8.23	10.69	13.24	---	---	---	---	---	---
19	3.14	7.44	10.39	8.08	10.73	13.47	---	---	---	---	---	---
20	2.52	7.56	10.36	7.87	10.70	13.60	---	---	---	---	---	---
21	2.58	7.76	10.34	7.65	10.72	13.73	---	---	---	---	---	---
22	2.52	7.91	10.36	7.50	10.64	13.85	---	---	---	---	---	---
23	2.43	7.98	10.35	7.12	10.51	13.94	---	---	---	---	---	---
24	2.05	8.06	10.34	6.89	10.46	14.02	---	---	---	---	---	---
25	2.03	8.11	10.34	6.61	10.53	14.07	---	---	---	---	---	---
26	---	7.81	10.32	6.63	10.53	14.10	---	---	---	---	---	---
27	---	7.60	10.33	6.75	10.55	14.15	---	---	---	---	---	---
28	---	7.62	10.35	7.02	10.56	14.20	---	---	---	---	---	---
29	---	7.83	10.38	7.47	---	14.20	---	---	---	---	---	---
30	---	8.29	10.37	7.74	---	14.17	---	---	---	---	---	---
31	---	---	10.27	7.88	---	14.09	---	---	---	---	---	---
MAX	---	---	10.41	10.26	10.73	---	---	---	---	---	---	---
MIN	---	---	8.63	6.61	8.02	---	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

091344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE NEAR LOREAUVILLE, LA

WATER-QUALITY RECORDS

LOCATION.--Lat 30°10'54", long 91°34'47", in sec. 8, T. 11 S., R. 9 E., St. Martin Parish, Loreauville Quadrangle, Hydrologic Unit 08080102, 10.0 mi northeast of Loreauville, La..

PERIOD OF RECORD.--March 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1994 to current year.

pH: March 1994 to current year.

WATER TEMPERATURES: March 1994 to current year.

DISSOLVED OXYGEN: March 1994 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, pH, water temperature, and dissolved oxygen.

REMARKS.--The water-quality monitor was out of the water from Oct. 1-Feb. 7, and Aug. 20-Sep. 30. Extremes for current year for dissolved oxygen are not published because the number of missing days of record exceeded 20% of the year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 604 microsiemens, Sep. 2, 1995; minimum daily, 199 microsiemens, Apr. 27, 1995.

pH: Maximum daily, 8.8 units, July 19, 1994; minimum daily, 6.7 units, Apr. 8, 1995.

WATER TEMPERATURES: Maximum daily, 32.6°C, July 28, 1995; minimum daily, 4.9°C, Jan. 20,21, 1997.

DISSOLVED OXYGEN: Maximum daily, 11.8 mg/L, Mar. 1-3, 1995, Jan. 22, 1997, minimum daily, 2.8 mg/L, Sep. 8,9, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 658 microsiemens, Oct. 6,7; minimum daily, 206 microsiemens, Mar. 4.

pH: Maximum daily, 8.3 units, Oct. 24; minimum daily, 6.4 units, May 21.

WATER TEMPERATURES: Maximum daily, 32.2°C, July 25; minimum daily, 4.9°C, Jan. 20,21.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	564	491	519	383	357	369	273	269	271
2	---	---	---	491	407	448	386	370	382	269	267	268
3	---	---	---	407	349	377	370	340	354	267	265	266
4	---	---	---	349	334	343	340	305	324	270	265	267
5	637	578	607	340	330	335	305	278	290	278	270	274
6	658	637	650	334	322	328	278	264	271	278	278	278
7	658	623	646	334	320	324	277	263	267	286	278	282
8	623	552	589	356	334	344	292	277	288	292	286	289
9	552	514	534	366	356	363	292	287	289	294	292	293
10	514	477	496	371	361	366	288	287	287	295	293	294
11	478	463	470	362	348	355	289	287	288	300	294	297
12	475	461	467	348	335	340	298	287	291	310	300	305
13	461	448	453	361	337	345	309	298	304	314	310	312
14	459	448	454	381	361	371	312	309	311	314	307	310
15	466	456	463	420	381	402	312	310	311	307	295	300
16	465	462	463	420	389	409	310	307	308	296	295	296
17	472	462	466	389	351	367	308	307	308	301	293	296
18	478	470	474	351	326	339	307	302	304	293	289	290
19	477	467	474	---	---	---	303	301	302	292	289	290
20	467	449	453	---	---	---	302	297	300	293	289	291
21	453	441	448	314	312	313	298	296	297	294	290	292
22	443	428	438	312	307	310	301	296	298	296	294	295
23	441	425	431	312	306	309	308	300	304	297	294	296
24	446	427	434	327	312	319	308	304	306	299	294	294
25	443	422	432	343	327	337	305	303	304	294	288	292
26	433	395	422	343	342	343	303	299	302	288	282	284
27	460	401	444	345	341	343	299	290	294	283	280	281
28	531	460	504	345	343	345	290	289	289	284	275	279
29	566	531	555	345	341	342	289	285	287	277	268	273
30	577	557	571	357	342	349	285	280	283	268	255	260
31	589	564	581	---	---	---	280	273	276	255	248	252
MONTH	658	395	497	564	306	357	386	263	303	314	248	286

MISSISSIPPI RIVER DELTA

091344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE NEAR LOREAUVILLE, LA--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	250	247	248	244	228	235	252	250	251	356	338	345
2	248	243	246	228	218	223	254	252	252	371	356	365
3	245	241	243	218	213	215	257	254	255	371	348	362
4	253	245	249	214	206	211	258	257	258	349	317	333
5	263	253	259	251	213	229	258	254	256	317	286	302
6	266	263	265	272	251	266	260	256	259	286	259	273
7	268	266	267	273	271	272	272	260	264	259	242	249
8	268	266	267	279	271	273	269	268	269	242	233	237
9	270	266	269	290	279	285	274	268	272	233	227	229
10	267	262	264	292	290	291	274	265	271	272	231	249
11	262	253	258	292	288	290	270	263	265	295	272	285
12	253	245	249	288	280	284	294	270	283	312	295	302
13	246	245	245	280	275	277	294	278	287	336	312	322
14	245	239	243	275	274	275	278	264	271	356	336	346
15	240	234	236	274	269	272	264	252	258	365	356	360
16	243	233	237	269	265	268	252	241	247	370	365	368
17	257	243	252	265	262	264	241	236	239	374	370	371
18	257	250	255	262	260	261	237	235	237	373	372	372
19	250	239	245	263	260	262	243	235	238	372	366	369
20	239	233	236	264	260	263	258	243	251	380	370	375
21	238	233	235	260	254	257	268	258	264	383	371	379
22	244	238	242	254	250	252	271	268	270	389	380	385
23	242	232	238	250	247	249	277	271	274	408	387	398
24	232	220	225	247	243	245	285	277	281	414	403	410
25	220	218	219	243	243	243	292	285	289	409	390	400
26	231	220	225	245	243	245	294	288	291	390	374	381
27	259	231	245	247	245	246	305	293	298	379	371	374
28	259	244	253	250	247	249	322	305	313	382	372	377
29	---	---	---	251	250	251	329	322	326	372	357	363
30	---	---	---	251	250	250	338	329	333	373	355	362
31	---	---	---	251	248	250	---	---	---	390	373	380
MONTH	270	218	247	292	206	257	338	235	271	414	227	343

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	405	390	397	398	382	389	530	501	514	---	---	---
2	410	402	407	383	371	378	531	516	524	---	---	---
3	411	409	410	372	369	371	529	510	516	---	---	---
4	410	406	408	372	368	370	514	500	509	---	---	---
5	411	406	409	369	366	368	503	499	501	---	---	---
6	421	409	415	366	359	363	508	499	504	---	---	---
7	424	416	421	364	358	361	507	501	505	---	---	---
8	416	402	409	358	356	357	502	489	497	---	---	---
9	404	396	401	361	355	357	491	483	488	---	---	---
10	396	370	388	372	361	369	489	474	482	---	---	---
11	380	375	379	377	370	372	490	477	481	---	---	---
12	376	366	373	381	377	379	---	---	---	---	---	---
13	366	360	362	383	376	381	---	---	---	---	---	---
14	375	364	370	388	382	384	---	---	---	---	---	---
15	377	370	375	395	386	392	---	---	---	---	---	---
16	370	366	368	413	395	404	---	---	---	---	---	---
17	367	345	359	415	409	413	---	---	---	---	---	---
18	391	362	376	410	408	409	---	---	---	---	---	---
19	413	391	404	420	408	415	---	---	---	---	---	---
20	421	413	418	426	412	416	---	---	---	---	---	---
21	430	421	424	431	426	429	---	---	---	---	---	---
22	446	430	438	444	429	433	---	---	---	---	---	---
23	450	446	448	452	443	446	---	---	---	---	---	---
24	446	422	435	478	450	466	---	---	---	---	---	---
25	422	408	415	489	474	481	---	---	---	---	---	---
26	422	416	419	495	481	488	---	---	---	---	---	---
27	421	411	418	501	488	495	---	---	---	---	---	---
28	411	402	406	513	498	505	---	---	---	---	---	---
29	402	398	400	514	506	508	---	---	---	---	---	---
30	399	398	399	519	504	512	---	---	---	---	---	---
31	---	---	---	519	507	515	---	---	---	---	---	---
MONTH	450	345	402	519	355	417	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

091344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE NEAR LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.3	7.3	7.3	8.2	8.1	8.1	7.7	7.7	7.7
2	---	---	---	7.4	7.3	7.3	8.2	8.1	8.1	7.7	7.7	7.7
3	---	---	---	7.4	7.3	7.4	8.2	8.1	8.1	7.7	7.7	7.7
4	---	---	---	7.4	7.4	7.4	8.2	8.1	8.1	7.7	7.7	7.7
5	7.3	7.3	7.3	7.5	7.4	7.4	8.1	8.0	8.1	7.7	7.7	7.7
6	7.3	7.3	7.3	7.5	7.4	7.5	8.0	8.0	8.0	7.7	7.7	7.7
7	7.3	7.3	7.3	7.5	7.4	7.5	8.0	8.0	8.0	7.7	7.7	7.7
8	7.3	7.3	7.3	7.6	7.5	7.5	8.0	8.0	8.0	7.7	7.7	7.7
9	7.4	7.3	7.3	7.6	7.6	7.6	8.0	7.9	8.0	7.8	7.7	7.7
10	7.4	7.4	7.4	7.6	7.6	7.6	7.9	7.9	7.9	7.8	7.8	7.8
11	7.4	7.4	7.4	7.6	7.6	7.6	7.9	7.9	7.9	7.8	7.8	7.8
12	7.4	7.4	7.4	7.6	7.6	7.6	8.0	7.8	7.9	7.8	7.8	7.8
13	7.5	7.4	7.4	7.7	7.6	7.6	7.9	7.8	7.9	7.8	7.8	7.8
14	7.5	7.4	7.5	7.7	7.6	7.7	7.9	7.8	7.9	7.8	7.8	7.8
15	7.5	7.4	7.5	7.7	7.7	7.7	7.9	7.8	7.8	7.8	7.8	7.8
16	7.5	7.5	7.5	7.8	7.7	7.7	7.9	7.7	7.8	7.8	7.8	7.8
17	7.5	7.5	7.5	7.8	7.8	7.8	7.8	7.6	7.7	7.8	7.8	7.8
18	7.5	7.5	7.5	7.8	7.8	7.8	7.6	7.6	7.6	7.8	7.8	7.8
19	7.7	7.5	7.5	---	---	---	7.6	7.6	7.6	7.8	7.8	7.8
20	7.6	7.5	7.5	---	---	---	7.6	7.5	7.6	7.8	7.6	7.7
21	7.6	7.5	7.5	8.1	8.0	8.1	7.6	7.5	7.6	7.7	7.6	7.7
22	7.6	7.5	7.5	8.1	8.0	8.1	7.6	7.6	7.6	7.7	7.6	7.6
23	8.1	7.5	7.7	8.1	8.1	8.1	7.6	7.6	7.6	7.7	7.6	7.6
24	8.3	7.6	7.8	8.1	8.1	8.1	7.6	7.6	7.6	7.7	7.6	7.7
25	7.9	7.6	7.7	8.2	8.1	8.1	7.7	7.6	7.6	7.7	7.6	7.7
26	7.8	7.5	7.7	8.1	8.1	8.1	7.7	7.7	7.7	7.7	7.6	7.6
27	7.6	7.5	7.5	8.1	8.1	8.1	7.7	7.7	7.7	7.7	7.7	7.7
28	7.6	7.5	7.5	8.2	8.1	8.1	7.7	7.7	7.7	7.7	7.6	7.7
29	7.6	7.4	7.5	8.2	8.0	8.1	7.7	7.7	7.7	7.6	7.6	7.6
30	7.4	7.4	7.4	8.1	8.1	8.1	7.7	7.7	7.7	7.6	7.6	7.6
31	7.4	7.3	7.4	---	---	---	7.7	7.7	7.7	7.6	7.6	7.6
MONTH	8.3	7.3	7.5	8.2	7.3	7.8	8.2	7.5	7.8	7.8	7.6	7.7

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	7.5	7.6	7.7	7.7	7.7	7.2	7.1	7.2	6.9	6.8	6.8
2	7.6	7.6	7.6	7.7	7.5	7.6	7.2	7.1	7.1	6.9	6.8	6.9
3	7.6	7.6	7.6	7.5	7.5	7.5	7.2	7.1	7.2	6.9	6.9	6.9
4	7.6	7.5	7.6	7.7	7.5	7.5	7.2	7.2	7.2	6.9	6.9	6.9
5	7.5	7.5	7.5	7.6	7.5	7.5	7.2	7.1	7.2	6.9	6.9	6.9
6	7.5	7.4	7.4	7.6	7.5	7.6	7.1	7.1	7.1	7.0	6.9	6.9
7	7.4	7.4	7.4	7.6	7.6	7.6	7.1	7.1	7.1	7.0	6.9	7.0
8	7.4	7.4	7.4	7.6	7.6	7.6	7.2	7.1	7.1	7.0	6.9	6.9
9	7.5	7.4	7.5	7.6	7.6	7.6	7.2	7.1	7.1	7.0	6.9	7.0
10	7.5	7.5	7.5	7.6	7.5	7.5	7.1	7.1	7.1	6.9	6.9	6.9
11	7.5	7.5	7.5	7.6	7.5	7.6	7.1	7.1	7.1	7.0	6.9	7.0
12	7.6	7.5	7.5	7.6	7.6	7.6	7.1	7.1	7.1	7.0	6.9	6.9
13	7.6	7.6	7.6	7.6	7.5	7.6	7.1	7.0	7.1	7.0	6.9	6.9
14	7.6	7.5	7.6	7.6	7.5	7.5	7.1	7.1	7.1	7.0	6.9	6.9
15	7.6	7.5	7.5	7.6	7.5	7.6	7.1	7.1	7.1	7.0	6.9	7.0
16	7.6	7.5	7.6	7.7	7.6	7.6	7.1	7.0	7.1	7.0	6.9	7.0
17	7.6	7.6	7.6	7.7	7.6	7.7	7.0	7.0	7.0	7.0	6.9	6.9
18	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.0	7.0	6.9	7.0
19	7.7	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.0	6.9	6.9	6.9
20	7.7	7.6	7.6	7.6	7.6	7.6	7.0	6.9	7.0	7.0	6.9	6.9
21	7.7	7.6	7.6	7.6	7.4	7.5	7.0	6.9	7.0	7.0	6.4	6.7
22	7.7	7.6	7.6	7.4	7.4	7.4	7.0	6.6	6.8	6.6	6.5	6.5
23	7.6	7.6	7.6	7.4	7.4	7.4	6.6	6.5	6.6	6.6	6.5	6.6
24	7.6	7.6	7.6	7.4	7.4	7.4	6.6	6.6	6.6	6.6	6.6	6.6
25	7.6	7.6	7.6	7.4	7.3	7.3	6.7	6.6	6.6	6.6	6.6	6.6
26	7.6	7.6	7.6	7.3	7.3	7.3	6.7	6.6	6.7	6.6	6.5	6.6
27	7.7	7.6	7.6	7.3	7.3	7.3	6.7	6.7	6.7	6.6	6.5	6.5
28	7.7	7.7	7.7	7.3	7.3	7.3	6.8	6.7	6.8	6.5	6.5	6.5
29	---	---	---	7.3	7.2	7.2	6.8	6.8	6.8	6.6	6.5	6.5
30	---	---	---	7.2	7.2	7.2	6.8	6.8	6.8	6.6	6.5	6.5
31	---	---	---	7.2	7.2	7.2	---	---	---	6.6	6.5	6.6
MONTH	7.7	7.4	7.6	7.7	7.2	7.5	7.2	6.5	7.0	7.0	6.4	6.8

MISSISSIPPI RIVER DELTA

091344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE NEAR LOREAUVILLE, LA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	6.6	6.6	7.4	6.8	7.1	7.2	7.0	7.1	---	---	---
2	6.6	6.6	6.6	7.0	6.9	6.9	7.2	7.0	7.1	---	---	---
3	6.6	6.6	6.6	7.0	6.9	7.0	7.3	7.1	7.2	---	---	---
4	6.7	6.6	6.7	7.0	6.9	7.0	7.3	7.1	7.1	---	---	---
5	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.0	7.1	---	---	---
6	6.8	6.7	6.7	7.0	6.9	7.0	7.3	7.1	7.2	---	---	---
7	6.8	6.7	6.8	7.0	6.9	7.0	7.3	7.0	7.2	---	---	---
8	6.8	6.8	6.8	7.0	6.9	7.0	7.3	7.1	7.2	---	---	---
9	6.8	6.8	6.8	7.0	7.0	7.0	7.4	7.2	7.3	---	---	---
10	7.1	6.8	6.9	7.0	7.0	7.0	7.4	7.1	7.3	---	---	---
11	7.1	7.0	7.0	7.0	7.0	7.0	7.4	7.1	7.3	---	---	---
12	7.1	7.0	7.1	7.0	7.0	7.0	---	---	---	---	---	---
13	7.1	7.0	7.1	7.0	7.0	7.0	---	---	---	---	---	---
14	7.1	7.1	7.1	7.1	7.0	7.0	---	---	---	---	---	---
15	7.1	7.1	7.1	7.1	7.0	7.0	---	---	---	---	---	---
16	7.1	7.1	7.1	7.1	7.0	7.0	---	---	---	---	---	---
17	7.2	7.1	7.2	7.1	7.0	7.0	---	---	---	---	---	---
18	7.2	7.1	7.2	7.1	7.0	7.1	---	---	---	---	---	---
19	7.2	7.2	7.2	7.1	7.0	7.1	---	---	---	---	---	---
20	7.3	7.2	7.2	7.1	7.0	7.1	---	---	---	---	---	---
21	7.3	7.2	7.3	7.2	7.1	7.1	---	---	---	---	---	---
22	7.3	7.2	7.3	7.3	7.1	7.2	---	---	---	---	---	---
23	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---	---	---	---
24	7.3	7.3	7.3	7.2	7.0	7.1	---	---	---	---	---	---
25	7.3	7.3	7.3	7.1	6.9	6.9	---	---	---	---	---	---
26	7.3	7.3	7.3	7.0	6.8	6.9	---	---	---	---	---	---
27	7.3	7.3	7.3	7.1	6.9	7.0	---	---	---	---	---	---
28	7.3	7.3	7.3	7.1	6.9	7.0	---	---	---	---	---	---
29	7.4	7.3	7.3	7.1	7.0	7.1	---	---	---	---	---	---
30	7.4	7.3	7.3	7.2	7.0	7.1	---	---	---	---	---	---
31	---	---	---	7.2	7.0	7.1	---	---	---	---	---	---
MONTH	7.4	6.6	7.1	7.4	6.8	7.0	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	20.9	20.0	20.4	11.8	11.1	11.5	8.3	8.1	8.2
2	---	---	---	20.4	19.0	19.8	11.1	10.5	10.9	8.5	8.1	8.3
3	---	---	---	19.0	18.6	18.9	10.5	10.0	10.3	9.1	8.4	8.8
4	---	---	---	18.9	18.0	18.5	10.0	9.5	9.8	9.8	9.1	9.5
5	24.0	22.7	23.2	18.8	18.1	18.5	9.7	9.3	9.5	10.3	9.8	10.0
6	22.7	22.1	22.4	18.7	17.8	18.3	9.7	9.3	9.5	10.0	10.0	10.0
7	22.7	21.8	22.3	18.3	17.6	18.0	10.0	9.6	9.7	10.0	9.8	9.9
8	22.8	21.8	22.3	17.6	17.0	17.3	9.7	9.4	9.5	9.9	9.8	9.8
9	22.5	21.6	22.1	17.2	16.3	16.7	9.7	9.3	9.5	9.8	9.4	9.7
10	22.3	21.4	21.9	16.8	16.0	16.4	9.8	9.4	9.5	9.7	9.2	9.4
11	21.9	21.0	21.5	16.6	15.7	16.2	9.8	9.5	9.7	9.3	8.9	9.1
12	21.8	20.8	21.4	16.2	15.5	15.8	10.2	9.8	10.0	8.9	8.3	8.6
13	21.8	21.0	21.5	15.8	15.1	15.4	10.4	10.0	10.2	8.3	7.6	8.0
14	21.8	20.9	21.4	15.5	14.8	15.1	10.5	10.2	10.3	7.6	7.2	7.4
15	21.7	20.6	21.2	15.1	14.5	14.8	10.6	10.4	10.5	7.3	6.8	7.1
16	21.4	20.7	21.2	14.8	14.4	14.6	10.6	10.4	10.6	6.8	6.2	6.5
17	21.7	21.0	21.4	14.5	14.2	14.4	10.6	10.2	10.3	6.2	5.7	5.9
18	21.5	20.6	21.1	14.4	14.0	14.2	10.3	9.8	10.1	5.7	5.3	5.5
19	21.0	19.9	20.4	---	---	---	9.8	9.3	9.5	5.6	5.0	5.2
20	21.0	19.9	20.3	---	---	---	9.3	8.9	9.1	5.5	4.9	5.2
21	21.3	20.1	20.6	13.9	13.5	13.6	9.1	8.8	8.9	5.4	4.9	5.1
22	20.9	19.5	20.4	13.5	13.0	13.3	8.9	8.7	8.8	5.8	5.2	5.5
23	20.4	18.8	19.5	13.1	12.8	12.9	8.9	8.5	8.7	6.2	5.5	5.7
24	19.9	18.7	19.3	13.4	12.8	13.0	8.6	8.1	8.4	7.1	6.2	6.6
25	19.6	19.2	19.4	13.2	12.5	12.8	8.1	7.7	7.8	7.3	6.6	7.0
26	21.1	19.4	20.0	12.5	12.1	12.3	7.9	7.6	7.7	7.5	6.4	7.0
27	20.5	19.7	20.2	12.3	11.8	12.0	8.0	7.8	7.9	8.0	7.1	7.5
28	20.2	19.4	19.9	12.4	11.9	12.1	8.1	7.9	8.0	7.9	7.4	7.6
29	21.3	20.1	20.5	12.0	11.8	11.9	8.1	8.0	8.1	7.5	7.3	7.4
30	21.2	20.4	20.8	12.0	11.7	11.8	8.2	8.0	8.1	8.0	7.5	7.7
31	20.7	20.0	20.3	---	---	---	8.2	8.1	8.1	8.5	7.7	8.0
MONTH	24.0	18.7	21.0	20.9	11.7	15.3	11.8	7.6	9.4	10.3	4.9	7.7

MISSISSIPPI RIVER DELTA

091344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE NEAR LOREAUVILLE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.6	8.1	8.3	12.6	11.9	12.3	15.7	15.4	15.5	17.2	16.6	16.9
2	8.7	8.1	8.3	13.0	12.5	12.8	16.0	15.3	15.6	17.7	17.0	17.3
3	8.7	8.2	8.4	13.3	12.7	12.9	15.8	15.6	15.7	18.3	17.6	17.9
4	8.6	8.3	8.4	13.2	12.8	13.0	16.1	15.7	15.8	18.5	17.8	18.1
5	8.3	7.8	8.1	13.4	13.1	13.2	16.4	16.1	16.2	18.7	18.1	18.4
6	7.8	7.4	7.6	13.3	12.8	13.0	16.8	16.0	16.4	18.9	18.3	18.6
7	7.5	7.3	7.4	13.2	12.6	12.9	16.9	16.2	16.5	19.4	18.6	19.0
8	7.3	6.7	7.0	13.2	12.6	12.9	16.5	16.3	16.4	19.7	19.1	19.4
9	6.7	6.5	6.6	12.9	12.7	12.8	16.8	16.2	16.4	20.1	19.5	19.8
10	7.0	6.6	6.8	12.7	12.6	12.7	16.8	16.3	16.5	19.9	19.7	19.8
11	7.1	6.7	6.9	13.0	12.6	12.8	16.9	16.5	16.7	20.3	19.7	20.0
12	7.0	6.8	6.9	13.3	12.9	13.1	16.9	16.6	16.8	20.5	20.0	20.2
13	7.2	6.7	6.9	13.7	13.2	13.4	16.6	16.2	16.4	20.6	20.0	20.3
14	6.9	6.7	6.8	13.9	13.6	13.7	16.2	15.9	16.0	20.6	20.1	20.3
15	7.4	6.8	7.0	13.8	13.6	13.7	16.1	15.7	15.9	20.7	20.2	20.4
16	7.5	7.0	7.2	13.6	13.2	13.4	16.2	15.7	15.9	20.9	20.4	20.6
17	7.5	7.0	7.2	13.2	13.1	13.1	16.4	15.8	16.1	21.2	20.5	20.8
18	7.4	7.1	7.2	13.4	13.0	13.2	16.4	15.9	16.2	21.3	20.8	21.0
19	7.7	7.3	7.5	13.3	13.2	13.2	16.6	16.1	16.3	21.1	21.0	21.1
20	8.7	7.7	8.2	13.2	13.0	13.1	16.9	16.3	16.5	21.6	21.1	21.3
21	9.6	8.7	9.2	13.4	12.8	13.1	17.3	16.6	16.9	21.9	21.4	21.7
22	9.9	9.3	9.5	13.6	12.9	13.2	17.4	17.1	17.3	22.1	21.6	21.8
23	10.0	9.7	9.8	13.8	13.2	13.5	17.7	17.1	17.4	22.2	21.7	21.9
24	10.0	9.9	10.0	14.1	13.4	13.7	17.5	17.1	17.3	22.1	21.8	21.9
25	10.1	10.0	10.1	14.3	13.7	14.0	17.2	16.9	17.1	22.0	21.9	22.0
26	11.0	10.1	10.5	14.7	14.1	14.3	16.9	16.7	16.8	22.9	21.9	22.4
27	11.1	10.9	11.0	14.5	14.1	14.3	17.0	16.6	16.7	23.6	22.4	22.9
28	11.9	11.1	11.5	14.9	14.2	14.5	16.6	16.2	16.4	23.9	22.9	23.3
29	---	---	---	15.3	14.6	14.9	16.8	16.1	16.4	24.1	23.2	23.6
30	---	---	---	15.4	15.1	15.2	16.9	16.3	16.6	24.3	23.5	23.8
31	---	---	---	15.7	15.1	15.4	---	---	---	24.5	23.6	24.0
MONTH	11.9	6.5	8.2	15.7	11.9	13.5	17.7	15.3	16.4	24.5	16.6	20.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.5	23.6	24.0	27.8	27.1	27.4	31.3	30.7	31.0	---	---	---
2	24.5	23.6	24.0	28.1	27.5	27.8	31.7	30.7	31.2	---	---	---
3	24.7	23.6	24.1	28.4	27.7	28.0	31.8	30.8	31.4	---	---	---
4	24.7	23.7	24.2	28.8	28.1	28.4	31.5	31.0	31.3	---	---	---
5	24.7	23.9	24.2	29.1	28.4	28.7	31.7	30.8	31.3	---	---	---
6	24.4	23.9	24.1	29.0	28.5	28.8	31.5	30.8	31.1	---	---	---
7	24.1	23.7	23.9	29.1	28.7	28.8	31.1	30.3	30.8	---	---	---
8	23.8	23.3	23.6	28.8	28.6	28.7	30.9	30.2	30.5	---	---	---
9	23.8	23.1	23.4	28.9	28.5	28.7	30.4	29.9	30.1	---	---	---
10	23.7	23.0	23.3	29.2	28.5	28.8	30.4	29.6	30.0	---	---	---
11	23.6	23.0	23.2	29.7	28.7	29.2	30.3	29.3	29.9	---	---	---
12	23.6	22.9	23.2	30.0	29.0	29.4	---	---	---	---	---	---
13	23.8	23.2	23.5	30.0	29.1	29.5	---	---	---	---	---	---
14	24.0	23.4	23.6	29.8	28.9	29.3	---	---	---	---	---	---
15	24.1	23.5	23.8	29.9	28.9	29.4	---	---	---	---	---	---
16	24.3	23.7	24.0	29.7	29.0	29.4	---	---	---	---	---	---
17	24.0	23.5	23.8	29.8	29.2	29.5	---	---	---	---	---	---
18	23.8	23.4	23.6	30.1	29.5	29.8	---	---	---	---	---	---
19	24.1	23.7	23.9	30.8	29.5	30.1	---	---	---	---	---	---
20	24.7	24.0	24.3	30.7	29.9	30.3	---	---	---	---	---	---
21	24.9	24.3	24.6	31.0	29.7	30.2	---	---	---	---	---	---
22	25.4	24.8	25.0	31.3	29.9	30.5	---	---	---	---	---	---
23	25.8	25.1	25.4	30.5	29.9	30.2	---	---	---	---	---	---
24	26.1	25.4	25.7	31.3	29.7	30.4	---	---	---	---	---	---
25	25.9	25.7	25.8	32.2	30.3	31.0	---	---	---	---	---	---
26	26.3	25.8	26.0	31.7	30.4	31.1	---	---	---	---	---	---
27	26.7	26.1	26.4	31.7	30.9	31.4	---	---	---	---	---	---
28	26.7	26.4	26.6	31.8	30.8	31.4	---	---	---	---	---	---
29	27.0	26.5	26.7	32.2	31.2	31.6	---	---	---	---	---	---
30	27.2	26.7	27.0	31.9	30.7	31.3	---	---	---	---	---	---
31	---	---	---	31.9	31.2	31.5	---	---	---	---	---	---
MONTH	27.2	22.9	24.5	32.2	27.1	29.7	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

091344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE NEAR LOREAUVILLE, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	9.3	9.1	9.2	10.6	10.6	10.6
2	---	---	---	---	---	---	9.1	9.0	9.0	10.6	10.5	10.5
3	---	---	---	---	---	---	9.1	8.9	9.0	10.5	10.3	10.4
4	---	---	---	---	---	---	9.3	9.1	9.2	10.3	10.1	10.2
5	6.2	5.9	6.0	---	---	---	9.4	9.3	9.3	10.2	10.0	10.1
6	6.1	6.0	6.1	---	---	---	9.4	9.3	9.4	10.1	9.9	10.0
7	6.1	6.0	6.1	---	---	---	9.4	9.3	9.4	10.0	9.9	10.0
8	6.1	6.0	6.0	---	---	---	9.4	9.4	9.4	10.0	9.8	9.9
9	6.1	6.0	6.0	---	---	---	9.5	9.4	9.4	9.8	9.7	9.7
10	6.0	5.9	6.0	---	---	---	9.6	9.5	9.5	9.8	9.7	9.7
11	5.9	5.8	5.9	---	---	---	9.7	9.6	9.6	9.8	9.7	9.7
12	5.8	5.7	5.7	---	---	---	9.7	9.6	9.7	9.8	9.6	9.8
13	5.7	5.5	5.6	---	---	---	9.7	9.7	9.7	10.0	9.8	9.9
14	5.6	5.4	5.5	---	---	---	9.7	9.7	9.7	10.2	10.0	10.1
15	5.5	5.3	5.4	---	---	---	9.7	9.6	9.7	10.5	10.1	10.3
16	5.4	5.1	5.2	---	---	---	9.7	9.6	9.7	10.6	10.4	10.5
17	5.2	4.9	5.0	---	---	---	9.7	9.6	9.6	10.9	10.6	10.8
18	5.2	4.9	5.1	---	---	---	9.7	9.6	9.7	11.0	10.9	10.9
19	5.6	4.8	5.1	---	---	---	9.7	9.7	9.7	11.1	10.9	11.0
20	5.3	4.9	5.0	---	---	---	9.7	9.5	9.7	11.5	11.0	11.3
21	5.4	4.8	5.0	8.7	8.6	8.7	9.9	9.7	9.7	11.7	11.4	11.6
22	5.2	4.8	4.9	8.8	8.7	8.7	10.0	9.8	9.9	11.8	11.6	11.7
23	---	---	---	8.8	8.7	8.7	10.1	10.0	10.1	11.7	11.6	11.7
24	---	---	---	8.9	8.8	8.8	10.3	10.1	10.2	11.8	11.6	11.7
25	---	---	---	8.9	8.8	8.9	10.6	10.3	10.5	11.7	11.5	11.6
26	---	---	---	8.9	8.8	8.9	10.7	10.5	10.6	11.7	11.5	11.6
27	---	---	---	9.0	8.9	9.0	10.7	10.7	10.7	11.7	11.6	11.6
28	---	---	---	9.0	8.9	9.0	10.8	10.7	10.7	11.6	11.4	11.5
29	---	---	---	9.2	9.0	9.1	10.8	10.7	10.8	11.4	11.1	11.3
30	---	---	---	9.3	9.2	9.3	10.8	10.7	10.7	11.1	10.8	10.9
31	---	---	---	---	---	---	10.7	10.6	10.6	10.8	10.5	10.7
MONTH	---	---	---	---	---	---	10.8	8.9	9.8	11.8	9.6	10.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.7	10.5	10.6	9.0	8.9	8.9	6.6	6.4	6.5	7.3	7.2	7.2
2	10.7	10.6	10.6	8.9	8.9	8.9	6.6	6.5	6.6	7.2	7.0	7.0
3	10.6	10.5	10.6	8.9	8.7	8.8	6.7	6.6	6.6	7.1	6.8	6.9
4	10.7	10.6	10.7	8.8	8.5	8.6	6.7	6.5	6.6	6.9	6.7	6.8
5	10.9	10.6	10.8	8.5	8.5	8.5	6.8	6.6	6.7	6.8	6.6	6.7
6	11.0	10.6	10.8	8.5	8.4	8.5	6.6	6.5	6.5	6.7	6.4	6.6
7	10.9	10.7	10.8	8.4	8.3	8.4	6.5	6.4	6.5	6.5	6.3	6.4
8	11.0	10.8	10.9	8.3	8.2	8.2	6.5	6.4	6.5	6.4	6.3	6.3
9	11.0	10.9	10.9	8.2	8.1	8.2	6.5	6.5	6.5	6.3	6.2	6.3
10	10.9	10.8	10.9	8.1	8.0	8.1	---	---	---	6.4	6.3	6.3
11	10.9	10.8	10.8	8.1	8.0	8.0	---	---	---	6.4	6.3	6.3
12	10.8	10.7	10.7	8.0	7.9	7.9	---	---	---	6.4	6.3	6.3
13	10.8	10.7	10.8	7.9	7.8	7.9	---	---	---	6.4	6.3	6.3
14	10.9	10.7	10.8	7.8	7.6	7.7	---	---	---	6.6	6.4	6.5
15	10.8	10.6	10.7	7.6	7.5	7.6	---	---	---	6.7	6.6	6.6
16	10.6	10.5	10.6	7.6	7.5	7.5	---	---	---	6.7	6.5	6.6
17	10.6	10.5	10.6	7.5	7.5	7.5	---	---	---	---	---	---
18	10.6	10.5	10.6	7.6	7.5	7.5	---	---	---	---	---	---
19	10.6	10.4	10.5	7.6	7.4	7.5	---	---	---	---	---	---
20	10.5	10.3	10.4	7.4	7.4	7.4	---	---	---	---	---	---
21	10.3	10.1	10.2	7.4	7.3	7.4	---	---	---	---	---	---
22	10.1	9.9	10.0	7.3	7.2	7.3	---	---	---	5.8	5.5	5.6
23	9.9	9.8	9.9	7.3	7.1	7.2	6.8	6.7	6.7	5.7	5.6	5.6
24	9.8	9.7	9.8	7.2	7.0	7.1	6.8	6.8	6.8	5.8	5.5	5.6
25	9.7	9.6	9.7	7.1	7.0	7.1	6.9	6.8	6.9	5.6	5.4	5.5
26	9.7	9.6	9.6	7.0	6.9	6.9	7.1	6.9	7.0	5.5	5.4	5.4
27	9.6	9.2	9.5	6.9	6.8	6.9	7.3	7.0	7.1	5.4	5.2	5.3
28	9.2	8.9	9.0	6.9	6.7	6.8	7.3	7.2	7.2	5.3	5.0	5.2
29	---	---	---	6.8	6.6	6.7	7.3	7.2	7.3	5.3	5.0	5.2
30	---	---	---	6.7	6.4	6.6	7.3	7.2	7.2	5.7	5.2	5.4
31	---	---	---	6.5	6.4	6.5	---	---	---	5.6	5.4	5.5
MONTH	11.0	8.9	10.4	9.0	6.4	7.7	---	---	---	7.3	5.0	6.1

MISSISSIPPI RIVER DELTA

091344700 BAYOU CROOK CHENE ABOVE BAYOU EUGENE NEAR LOREAUVILLE, LA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.7	5.5	5.6	---	---	---	4.7	4.1	4.4	---	---	---
2	5.8	5.6	5.7	7.0	6.8	6.9	5.2	4.5	4.8	---	---	---
3	5.9	5.6	5.7	7.1	6.8	7.0	5.6	4.7	5.1	---	---	---
4	5.9	5.6	5.8	7.0	6.9	6.9	5.5	4.7	5.0	---	---	---
5	6.3	5.8	6.0	6.9	6.8	6.8	5.8	4.6	5.1	---	---	---
6	6.6	5.9	6.2	6.8	6.5	6.7	6.3	4.7	5.3	---	---	---
7	7.2	5.6	6.5	6.8	6.6	6.6	---	---	---	---	---	---
8	7.3	6.3	6.8	6.7	6.6	6.6	---	---	---	---	---	---
9	7.4	6.7	7.0	6.7	6.5	6.6	---	---	---	---	---	---
10	7.7	6.7	7.3	6.7	6.6	6.6	---	---	---	---	---	---
11	7.8	7.5	7.6	6.6	6.5	6.6	---	---	---	---	---	---
12	7.8	7.6	7.7	6.5	6.3	6.4	---	---	---	---	---	---
13	---	---	---	6.5	6.2	6.3	---	---	---	---	---	---
14	---	---	---	6.5	6.3	6.3	---	---	---	---	---	---
15	---	---	---	6.4	6.2	6.3	---	---	---	---	---	---
16	---	---	---	6.5	5.5	6.0	---	---	---	---	---	---
17	---	---	---	6.2	5.7	5.9	---	---	---	---	---	---
18	---	---	---	6.2	5.8	6.0	---	---	---	---	---	---
19	---	---	---	6.4	5.7	5.9	---	---	---	---	---	---
20	---	---	---	6.5	5.8	6.1	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	5.0	4.3	4.6	---	---	---	---	---	---
26	---	---	---	4.7	4.1	4.4	---	---	---	---	---	---
27	---	---	---	4.8	4.2	4.5	---	---	---	---	---	---
28	---	---	---	4.9	4.2	4.6	---	---	---	---	---	---
29	---	---	---	4.9	4.4	4.7	---	---	---	---	---	---
30	---	---	---	5.1	4.3	4.7	---	---	---	---	---	---
31	---	---	---	5.0	4.4	4.7	---	---	---	---	---	---
MONTH	---	---	---	7.1	4.1	5.9	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

091360000 LAKE FAUSSE POINT CUT NEAR LITTLE GONSOLIN BAYOU NEAR CHARENTON, LA

LOCATION.--Lat 30°04'44", long 91°36'60", in sec. 24, T. 11 S., R. 8 E., St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 14.2 mi northwest of Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 1993 to current year.

GAGE.--Water-stage recorder with electromagnetic flowmeter. Datum of gage is 2.12 ft below sea level (by levels from U.S. Army Corps of Engineers).

REMARKS.--Records good. Site below recordable stage, Aug. 13-Sept. 30. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 17.76 ft, Apr. 4, 1997; minimum recorded, 4.00 ft, Oct. 11, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 17.76 ft, Apr. 4; minimum recorded, 4.84 ft, Oct. 23.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.58	10.94	13.09	10.50	13.52	---	14.61	10.56	12.92	6.05	---
2	---	6.52	11.10	13.04	10.69	13.57	---	14.48	10.48	12.92	5.98	---
3	---	6.56	11.32	12.96	10.89	13.61	17.56	14.43	10.44	12.88	5.98	---
4	6.84	6.87	11.53	12.83	11.19	13.67	17.56	14.33	10.49	12.75	5.89	---
5	6.96	7.01	11.77	12.68	11.47	13.81	17.69	14.24	10.60	12.59	5.83	---
6	6.85	7.26	11.94	12.53	11.71	13.99	17.61	14.15	10.71	12.44	5.73	---
7	6.82	7.65	12.06	12.40	11.97	14.16	17.46	14.05	10.84	12.38	5.68	---
8	7.12	7.71	12.13	12.27	12.24	14.36	17.33	13.95	11.03	12.28	5.69	---
9	7.32	7.59	12.20	12.15	12.46	14.64	17.24	13.85	11.21	12.16	5.72	---
10	7.33	7.54	12.34	12.03	12.63	14.85	17.12	13.75	11.36	11.96	5.78	---
11	7.16	7.53	12.44	11.92	12.67	---	17.04	13.63	11.62	11.66	5.73	---
12	7.10	7.82	12.54	11.82	12.77	---	17.00	13.51	11.75	11.32	5.56	---
13	6.96	8.19	12.65	11.68	13.10	---	16.85	13.47	11.88	11.07	---	---
14	6.86	8.45	12.75	11.54	13.27	---	16.70	13.47	12.02	10.90	---	---
15	6.79	8.61	12.84	11.46	13.37	---	16.57	13.46	12.09	10.56	---	---
16	6.54	8.86	13.01	11.38	13.43	---	16.40	13.41	12.15	10.09	---	---
17	6.33	9.21	13.09	11.20	13.50	---	16.22	13.31	12.54	9.61	---	---
18	6.06	9.47	13.15	11.04	13.57	---	16.03	13.20	12.91	9.22	---	---
19	5.49	9.73	13.16	10.89	13.63	---	15.83	13.12	12.95	8.88	---	---
20	5.49	9.90	13.16	10.71	13.64	---	15.65	13.02	12.95	8.46	---	---
21	5.45	10.08	13.15	10.51	13.67	---	15.44	12.86	12.93	8.12	---	---
22	5.39	10.23	13.17	10.36	13.59	---	15.23	12.78	12.92	7.80	---	---
23	4.97	10.34	13.16	10.07	13.47	---	15.03	12.63	12.88	7.42	---	---
24	4.97	10.45	13.15	9.85	13.40	---	14.84	12.45	12.85	7.11	---	---
25	5.44	10.54	13.14	9.58	13.45	---	14.66	12.30	12.89	6.85	---	---
26	6.52	10.38	13.14	9.51	13.45	---	14.64	12.03	12.94	6.68	---	---
27	6.93	10.22	13.16	9.55	13.46	---	14.77	11.69	12.93	6.53	---	---
28	7.10	10.19	13.17	9.75	13.46	---	14.80	11.33	12.96	6.37	---	---
29	6.86	10.29	13.20	9.99	---	---	14.74	11.10	12.97	6.18	---	---
30	6.60	10.62	13.20	10.21	---	---	14.68	10.89	12.96	6.19	---	---
31	6.55	---	13.13	10.37	---	---	---	10.72	---	6.16	---	---
MAX	---	10.62	13.20	13.09	13.67	---	---	14.61	12.97	12.92	---	---
MIN	---	6.52	10.94	9.51	10.50	---	---	10.72	10.44	6.16	---	---

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW 1/4 SE 1/4 sec. 32, T. 6 S., R. 1 W., Louisiana Meridian, Evangeline Parish, Hydrologic Unit 08080201, on left downstream side of bridge of eastbound lane on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

DRAINAGE AREA.--131 mi².

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

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft above sea level (Corps of Engineers levels). Prior to Mar. 23, 1989, nonrecording gage read twice daily. Prior to Dec. 12, 1987, water-stage recorder at same site and datum. Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Water-stage recorder for Bayou des Cannes at State Highway 755, near Eunice (Station No. 08010010) used as auxiliary gage for this station from November 1950 to September 1984. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Records fair, except for periods of estimated records, 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	324	167	34	105	141	1460	124	1830	83	142	173	304
2	734	144	31	81	99	577	158	559	58	115	177	114
3	146	80	20	72	82	256	124	421	41	68	121	119
4	51	51	17	61	135	161	138	576	23	43	78	53
5	e44	31	42	53	179	153	594	147	10	25	132	34
6	e38	27	70	35	88	114	1070	118	8.5	31	129	43
7	e33	188	38	811	60	79	438	64	17	94	118	283
8	e29	786	25	1700	119	57	188	67	25	445	383	94
9	e25	274	21	1950	98	45	158	48	11	711	315	51
10	e23	101	18	1010	58	47	165	33	9.6	329	315	32
11	e20	73	17	230	47	39	148	36	31	187	355	21
12	e19	73	15	106	431	32	774	23	34	112	200	15
13	e17	60	17	124	3360	979	681	25	21	103	156	15
14	e14	50	18	141	3990	664	236	55	12	477	148	11
15	e12	46	45	254	2810	71	172	24	7.2	172	109	8.9
16	e10	31	850	619	936	e65	135	127	7.8	135	86	7.6
17	e9.0	31	1120	226	219	e47	129	82	37	127	83	6.8
18	10	79	393	100	120	e55	102	63	65	132	54	5.8
19	45	81	117	68	89	1840	114	50	55	116	38	4.9
20	18	51	69	56	76	736	134	62	61	91	48	4.1
21	13	39	52	57	525	168	146	44	41	144	41	3.4
22	15	25	44	494	458	144	193	33	37	121	31	2.6
23	13	18	41	1800	130	89	216	39	26	113	38	2.5
24	43	23	37	1530	247	84	157	376	40	568	32	2.7
25	2240	130	32	433	2430	105	119	1160	131	540	34	2.5
26	5150	75	28	122	3650	124	1450	890	596	359	28	2.0
27	5440	43	30	89	3480	152	3660	244	1030	238	29	1.5
28	5010	32	28	1700	2640	161	5090	107	532	134	27	1.2
29	3380	32	341	2950	---	100	5130	509	325	177	23	.94
30	1250	30	610	1920	---	141	4240	564	195	247	20	.73
31	432	---	189	534	---	125	---	141	---	225	19	---
TOTAL	24607.0	2871	4409	19431	26697	8870	26183	8517	3570.1	6521	3540	1247.17
MEAN	794	95.7	142	627	953	286	873	275	119	210	114	41.6
MAX	5440	786	1120	2950	3990	1840	5130	1830	1030	711	383	304
MIN	9.0	18	15	35	47	32	102	23	7.2	25	19	.73
AC-FT	48810	5690	8750	38540	52950	17590	51930	16890	7080	12930	7020	2470
CFSM	6.06	.73	1.09	4.78	7.28	2.18	6.66	2.10	.91	1.61	.87	.32
IN.	6.99	.82	1.25	5.52	7.58	2.52	7.44	2.42	1.01	1.85	1.01	.35

e Estimated

MERMENTAU RIVER BASIN
08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1997, BY WATER YEAR (WY)

MEAN	133	193	381	442	446	311	339	326	205	226	174	169
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1939 - 1997		
ANNUAL TOTAL	73435.0		136463.27				
ANNUAL MEAN	201		374		278		
HIGHEST ANNUAL MEAN					523		
LOWEST ANNUAL MEAN					87.0		
HIGHEST DAILY MEAN	5440	Oct 27	5440	Oct 27	11700	May 20	1953
LOWEST DAILY MEAN	9.0	Oct 17	.73	Sep 30	.00	May 6	1939
ANNUAL SEVEN-DAY MINIMUM	13	Oct 12	1.7	Sep 24	.00	May 9	1939
INSTANTANEOUS PEAK FLOW			5520	Oct 27	11900	May 20	1953
INSTANTANEOUS PEAK STAGE			19.07	Oct 27	22.36	May 20	1953
INSTANTANEOUS LOW FLOW			.64	Sep 30	.00	Oct 1	1939
INSTANTANEOUS LOW STAGE			1.00	Sep 30	.00	Oct 1	1939
ANNUAL RUNOFF (AC-FT)	145700		270700		201400		
ANNUAL RUNOFF (CFSM)	1.53		2.85		2.12		
ANNUAL RUNOFF (INCHES)	20.85		38.75		28.83		
10 PERCENT EXCEEDS	331		866		761		
50 PERCENT EXCEEDS	69		91		47		
90 PERCENT EXCEEDS	22		17		4.1		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.93	5.34	2.24	4.15	4.89	14.39	4.01	15.15	3.73	4.45	4.29	6.78
2	10.00	4.95	2.17	3.57	4.03	9.73	4.64	9.70	3.08	3.91	4.33	3.67
3	4.45	3.63	1.84	3.33	3.63	6.25	4.03	8.33	2.65	2.83	3.30	3.82
4	2.37	2.91	1.73	3.03	4.64	4.84	4.30	9.87	2.14	2.16	2.38	2.36
5	---	2.40	2.48	2.81	5.52	4.71	9.37	4.98	1.68	1.67	3.48	1.88
6	---	2.28	3.26	2.34	3.76	3.97	13.19	4.46	1.58	1.78	3.40	2.11
7	---	4.79	2.37	10.17	3.04	3.22	8.22	3.25	1.94	3.20	3.18	6.79
8	---	11.69	1.97	15.11	4.39	2.65	5.14	3.33	2.19	8.10	6.70	3.43
9	---	6.71	1.85	15.68	3.99	2.36	4.65	2.83	1.73	10.89	6.09	2.42
10	---	4.02	1.77	12.50	3.01	2.42	4.76	2.44	1.66	6.86	6.12	1.94
11	---	3.34	1.71	6.18	2.71	2.21	4.46	2.53	2.28	4.97	6.56	1.64
12	---	3.34	1.68	4.17	6.48	2.02	11.24	2.15	2.44	3.63	4.67	1.46
13	---	2.97	1.73	4.55	17.33	10.70	10.62	2.19	2.02	3.27	3.97	1.50
14	---	2.69	1.78	4.89	17.91	9.67	5.81	3.01	1.65	8.38	3.87	1.37
15	---	2.58	2.47	6.34	16.74	2.91	4.87	2.20	1.42	4.66	3.14	1.28
16	---	2.17	11.72	10.31	12.05	---	4.24	4.55	1.43	3.99	2.67	1.24
17	---	2.18	13.32	6.17	5.82	---	4.11	3.69	2.34	3.82	2.63	1.22
18	1.69	3.47	8.04	4.03	4.25	---	3.58	3.21	3.10	3.89	1.92	1.18
19	2.24	3.53	4.39	3.24	3.60	14.24	3.83	2.88	2.82	3.53	1.56	1.13
20	1.47	2.71	3.24	2.91	3.30	10.07	4.22	3.20	2.94	3.01	1.84	1.09
21	1.28	2.39	2.75	2.93	9.09	4.82	4.43	2.75	2.42	4.05	1.68	1.05
22	1.35	1.97	2.57	7.80	8.57	4.40	5.23	2.44	2.30	3.59	1.43	1.03
23	1.30	1.75	2.47	15.33	4.41	3.29	5.57	2.56	1.96	3.39	1.67	1.04
24	1.94	1.91	2.36	14.57	5.63	3.18	4.61	7.94	2.34	9.18	1.52	1.08
25	15.49	4.63	2.21	8.41	16.15	3.65	3.92	13.35	3.60	8.84	1.60	1.10
26	18.81	3.36	2.12	4.50	17.64	4.01	13.87	12.07	9.95	6.87	1.46	1.07
27	19.02	2.50	2.19	3.79	17.49	4.54	17.57	6.37	13.08	5.37	1.51	1.05
28	18.71	2.19	2.13	14.11	16.64	4.70	18.77	4.25	9.25	3.69	1.47	1.03
29	17.32	2.20	6.67	16.99	---	3.52	18.80	8.89	7.10	4.43	1.37	1.01
30	13.61	2.12	10.22	15.40	---	4.35	18.11	9.75	5.35	5.44	1.30	1.01
31	8.53	---	5.65	9.36	---	4.03	---	4.87	---	5.10	1.30	---
MAX	---	11.69	13.32	16.99	17.91	---	18.80	15.15	13.08	10.89	6.70	6.79
MIN	---	1.75	1.68	2.34	2.71	---	3.58	2.15	1.42	1.67	1.30	1.01

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE 1/4 NW 1/4 sec. 1, T. 7 S., R. 3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft downstream from Missouri Pacific Railroad bridge, and 2.0 mi west of Basile.

DRAINAGE AREA.--527 mi².

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

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft above sea level. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) used as auxiliary for this station since July 7, 1979 to Sep. 30, 1984. Mar. 27, 1945 to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s, May 20, 1953, gage height, 34.39 ft; minimum discharge, 0.1 ft³/s, June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft, June 28, 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2020	4350	221	798	3630	5420	225	4170	1480	347	363	15
2	1700	3850	412	528	3190	5320	248	3710	946	235	324	25
3	1230	3270	334	321	2720	5100	219	3200	462	166	255	34
4	654	2410	220	217	2370	4800	185	2720	208	130	173	24
5	292	1430	145	166	2070	4430	284	2290	123	116	147	20
6	125	726	119	129	1670	4010	839	1750	92	117	146	15
7	65	425	123	553	1270	3530	973	1000	71	188	172	12
8	44	761	111	1650	1020	2980	773	507	148	313	352	10
9	32	1020	86	2690	895	2280	493	255	426	872	594	20
10	24	823	61	3300	743	1350	305	153	439	1020	628	19
11	18	510	46	3350	552	654	220	107	353	890	653	14
12	14	285	39	3090	667	382	693	97	260	632	437	11
13	13	171	35	2650	2580	466	1370	77	181	356	268	7.8
14	12	115	34	2270	4550	914	1350	71	131	231	198	6.0
15	11	79	37	2040	5210	1190	916	56	93	236	195	5.1
16	11	58	415	1920	5090	1080	545	127	69	219	130	4.6
17	10	50	1270	1960	4780	787	363	334	64	187	88	4.5
18	11	357	1630	1840	4430	490	303	231	88	173	56	4.7
19	15	1440	1550	1470	4060	676	260	159	144	150	39	4.6
20	24	1950	1160	967	3640	1220	229	145	150	133	34	4.8
21	23	1850	661	557	3280	1280	211	144	153	140	31	5.4
22	22	1380	322	656	2980	1040	181	129	157	182	27	5.6
23	19	937	180	1800	2490	742	191	126	117	195	30	7.3
24	24	584	126	2600	1850	487	218	329	80	551	33	10
25	1240	318	108	2750	2100	339	208	1300	92	947	38	145
26	4050	276	103	2520	3550	342	828	1890	196	961	35	330
27	6470	214	89	2060	4470	386	2310	1930	561	834	33	253
28	7430	147	75	2240	5190	457	3800	1470	828	594	29	144
29	6780	107	282	3170	---	400	4490	1460	730	389	24	71
30	5700	84	800	3780	---	278	4500	1910	535	329	19	36
31	4890	---	946	3830	---	258	---	1840	---	368	17	---
TOTAL	42973	29977	11740	57872	81047	53088	27730	33687	9377	12201	5568	1268.4
MEAN	1386	999	379	1867	2895	1713	924	1087	313	394	180	42.3
MAX	7430	4350	1630	3830	5210	5420	4500	4170	1480	1020	653	330
MIN	10	50	34	129	552	258	181	56	64	116	17	4.5
AC-FT	85240	59460	23290	114800	160800	105300	55000	66820	18600	24200	11040	2520
CFSM	2.63	1.90	.72	3.54	5.49	3.25	1.75	2.06	.59	.75	.34	.08
IN.	3.03	2.12	.83	4.09	5.72	3.75	1.96	2.38	.66	.86	.39	.09

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1997, BY WATER YEAR (WY)

MEAN	322	528	1128	1414	1526	1146	1111	1077	537	539	420	400
MAX	2819	4751	4259	3950	6528	3301	5598	9202	2459	4695	5169	3109
(WY)	1986	1986	1972	1974	1955	1980	1995	1953	1940	1989	1940	1979
MIN	3.81	10.3	46.4	30.8	89.3	124	12.9	7.05	.38	10.8	23.0	11.4
(WY)	1949	1951	1959	1981	1968	1962	1946	1951	1948	1944	1947	1980

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1939 - 1997		
ANNUAL TOTAL	186585		366528.4				
ANNUAL MEAN	510		1004		843		
HIGHEST ANNUAL MEAN					1639		
LOWEST ANNUAL MEAN					283		
HIGHEST DAILY MEAN	7430	Oct 28	7430	Oct 28	35100	May	20 1953
LOWEST DAILY MEAN	10	Oct 17	4.5	Sep 17	.10	Jun	7 1943
ANNUAL SEVEN-DAY MINIMUM	12	Oct 12	4.8	Sep 15	.10	Jun	22 1948
INSTANTANEOUS PEAK FLOW			7530	Oct 28	35800	May	20 1953
INSTANTANEOUS PEAK STAGE			23.60	Oct 28	34.39	May	20 1953
INSTANTANEOUS LOW FLOW			4.3	Sep 16,17	.10	Jun	7 1943
INSTANTANEOUS LOW STAGE			1.72	Sep 16,17	1.00	Jun	28 1948
ANNUAL RUNOFF (AC-FT)	370100		727000		610500		
ANNUAL RUNOFF (CFSM)	.97		1.91		1.60		
ANNUAL RUNOFF (INCHES)	13.17		25.87		21.73		
10 PERCENT EXCEEDS	1300		3270		2580		
50 PERCENT EXCEEDS	161		334		168		
90 PERCENT EXCEEDS	42		24		12		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.36	21.05	5.96	11.60	20.18	22.13	6.33	20.84	15.53	7.67	7.74	2.24
2	16.38	20.47	8.14	9.45	19.59	22.05	6.65	20.28	12.58	6.44	7.32	2.56
3	14.28	19.69	7.35	7.50	18.86	21.86	6.24	19.60	8.77	5.54	6.50	2.85
4	10.37	18.23	6.08	6.29	18.23	21.54	5.75	18.87	6.25	4.98	5.39	2.53
5	6.88	15.17	5.09	5.54	17.50	21.15	7.02	18.05	5.08	4.73	4.98	2.39
6	4.79	10.97	4.71	4.95	16.26	20.65	12.16	16.49	4.54	4.72	4.97	2.23
7	3.83	8.27	4.77	9.30	14.59	20.05	13.11	12.91	4.15	5.81	5.36	2.10
8	3.35	11.24	4.59	16.03	13.34	19.27	11.72	9.14	5.30	7.09	7.55	2.03
9	3.02	13.17	4.19	18.78	12.59	17.99	9.39	6.69	8.46	12.14	9.90	2.38
10	2.76	11.77	3.77	19.74	11.50	14.92	7.37	5.39	8.58	13.17	10.20	2.36
11	2.54	9.10	3.40	19.81	9.94	10.76	6.26	4.64	7.80	12.28	10.41	2.20
12	2.40	6.83	3.22	19.43	10.49	8.26	10.86	4.47	6.83	10.23	8.37	2.04
13	2.33	5.44	3.11	18.74	18.40	9.11	15.09	4.12	5.88	7.70	6.49	1.92
14	2.29	4.66	3.07	18.02	21.26	12.66	14.98	3.99	5.15	6.33	5.61	1.83
15	2.26	4.08	3.16	17.43	21.96	14.28	12.67	3.67	4.48	6.39	5.57	1.77
16	2.23	3.70	7.90	17.07	21.84	13.69	9.86	4.81	4.03	6.17	4.63	1.74
17	2.20	3.51	14.46	17.18	21.53	11.81	8.05	7.56	3.93	5.74	3.96	1.73
18	2.22	7.34	16.18	16.81	21.14	9.36	7.35	6.42	4.37	5.52	3.36	1.74
19	2.42	15.22	15.83	15.46	20.71	10.90	6.80	5.49	5.32	5.17	2.97	1.74
20	2.75	17.14	13.89	12.81	20.19	14.37	6.39	5.29	5.41	4.88	2.83	1.75
21	2.72	16.85	10.45	9.88	19.71	14.66	6.13	5.27	5.45	4.99	2.76	1.79
22	2.68	15.02	7.37	10.47	19.28	13.49	5.69	5.02	5.50	5.62	2.62	1.81
23	2.58	12.58	5.71	16.58	18.45	11.49	5.84	4.99	4.85	5.80	2.73	1.89
24	2.72	9.78	4.92	18.65	16.85	9.33	6.24	7.24	4.18	9.45	2.82	2.02
25	13.69	7.19	4.62	18.92	17.48	7.78	6.09	14.57	4.37	12.70	2.96	4.64
26	20.61	6.74	4.52	18.50	20.06	7.81	11.79	16.97	5.93	12.80	2.86	7.22
27	22.89	6.01	4.26	17.47	21.19	8.30	17.85	17.10	9.61	11.87	2.80	6.31
28	23.54	5.12	4.02	17.92	21.94	9.05	20.39	15.42	11.83	9.89	2.68	4.87
29	23.11	4.53	6.67	19.54	---	8.45	21.21	15.42	11.06	8.00	2.52	3.73
30	22.35	4.17	11.60	20.38	---	7.04	21.22	17.03	9.39	7.38	2.37	2.98
31	21.64	---	12.69	20.44	---	6.78	---	16.84	---	7.79	2.31	---
MAX	23.54	21.05	16.18	20.44	21.96	22.13	21.22	20.84	15.53	13.17	10.41	7.22
MIN	2.20	3.51	3.07	4.95	9.94	6.78	5.69	3.67	3.93	4.72	2.31	1.73

MERMENTAU RIVER BASIN
08012150 MERMENTAU RIVER AT MERMENTAU, LA

LOCATION.--Lat 30°11'23", long 92°35'25", on line between secs. 14 and 31, T. 10 S., R. 2 W., on parish line of Jefferson Davis and Acadia Parishes, Hydrologic Unit 08080202, on downstream side of U.S. Highway 90 bridge, 300 ft. upstream from Southern Pacific Transportation Company railroad bridge, 0.25 mi west of Mermentau, and 2.0 mi downstream from confluence with Bayous Nezpique and Des Cannes.

DRAINAGE AREA.--1,381 mi².

PERIOD OF RECORD.--October 1984 to current year. 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 0.58 ft. below sea level. Prior to October 1988, 1.12 ft below sea level, (when datum is applied to gage heights as published). Prior to October 1984, datum of gage is at mean low Gulf.

REMARKS.--No estimated daily discharges. Records poor. No gage-height record for the periods: May 15-16. No velocity record for the periods: Oct. 1, Dec. 9-23. Discharge is affected by tide and wind at medium and low stages. Reverse flow at times during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 38,200 ft³/s, July 5, 1989; maximum negative discharge, -11,500 ft³/s, Dec. 31, 1984; maximum gage height, 10.97 ft, Nov. 2, 1985; minimum gage height, -0.03 ft, Aug. 15, 1985; no flow at times each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.5 ft, August 1940; minimum gage height, -0.94 ft, July 13, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,400 ft³/s, Oct. 28; maximum negative discharge, -3,650 ft³/s, June 16; no flow at times during the year. Extremes for maximum could be higher and minimum may be lower during periods of miss. Maximum gage height, 6.64 ft, Oct. 30; minimum gage height, 1.18 ft, Sept. 21, 22

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	21200	1770	3800	5770	10600	1420	15000	3870	2240	1170	-141
2	7210	19600	282	3130	5640	11100	759	14000	3690	1740	1090	135
3	5920	18600	1080	1900	5060	10600	434	11200	3420	1140	668	14
4	4580	18100	869	1250	4870	9330	-770	9230	1490	890	410	693
5	3390	17800	601	2690	4940	8270	2980	6840	681	594	138	205
6	1910	17600	95	2090	3950	7160	4930	5640	-183	932	285	26
7	449	11300	1310	4300	3160	5100	3850	4780	546	531	526	-107
8	671	4880	872	6330	3240	4590	2410	3840	1310	429	598	76
9	771	3200	---	6910	2080	3860	2260	3210	1800	919	882	-114
10	1140	2820	---	5140	2050	3040	2250	1260	2360	1130	1140	-49
11	356	2410	---	5540	1040	2770	1570	459	1130	2300	1490	-179
12	73	1940	---	5610	2920	1790	5120	678	134	2750	1200	-425
13	416	1240	---	5790	10100	2500	6670	465	-457	2090	558	-419
14	123	788	---	4760	11300	3400	4750	---	-73	1710	-362	-222
15	306	383	---	4450	11700	1970	3200	---	-495	1300	-480	-241
16	219	-76	---	6350	11700	1260	3040	---	-1190	698	-444	-434
17	-334	1210	---	5250	10400	1120	2730	---	410	1230	-478	-516
18	1990	13000	---	3770	10000	1100	1070	-811	2470	612	-498	-285
19	-174	11600	---	3540	8580	4280	1050	-495	1130	84	-747	-370
20	-43	9000	---	3190	6770	3290	666	-94	302	6.0	-516	-165
21	-269	5940	---	2380	8140	1900	-663	395	670	-197	209	5.0
22	1050	3900	---	1750	9560	2300	411	1240	674	8.8	185	-177
23	280	2130	---	1990	7380	2080	1390	567	1230	-24	701	-224
24	387	1090	1750	2470	5990	1170	567	2750	897	497	426	-282
25	8440	3630	1160	3260	10200	773	1540	5040	177	1160	222	141
26	15100	2620	478	3070	11400	2140	4920	5480	619	2080	9.6	538
27	14600	1190	468	3420	11300	900	9500	4850	2300	2620	-341	256
28	23300	864	62	6850	10300	312	12700	4500	2530	2190	-97	48
29	23700	4.3	3080	7940	---	1280	14900	3850	3140	1100	-167	-310
30	23600	-452	6790	7580	---	2560	15000	4080	2320	954	-171	-504
31	22600	---	5760	5850	---	3220	---	4500	---	1150	-267	---
TOTAL	---	197511.3	---	132350	199540	115765	110654	---	36902	34863.8	7339.6	-3027.0
MEAN	---	6584	---	4269	7126	3734	3688	---	1230	1125	237	-101

MERMENTAU RIVER BASIN
08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.84	5.62	2.49	2.29	2.54	4.07	2.20	4.54	2.44	2.22	1.65	1.44
2	2.88	4.82	2.43	2.25	2.56	4.07	2.20	4.40	2.35	2.09	1.67	1.43
3	2.76	4.24	2.43	2.27	2.47	3.87	2.22	3.98	2.20	1.92	1.70	1.42
4	2.61	3.89	2.32	2.37	2.49	3.60	2.44	3.52	2.07	1.76	1.65	1.31
5	2.58	3.68	2.35	2.16	2.30	3.41	2.87	3.23	1.95	1.67	1.63	1.33
6	2.53	3.50	2.36	1.80	2.18	3.04	2.70	3.07	1.94	1.68	1.59	1.41
7	2.57	3.45	2.26	1.84	2.23	2.92	2.45	2.92	1.96	1.71	1.61	1.51
8	2.64	3.31	2.07	2.30	1.95	2.90	2.37	2.84	1.96	1.80	1.62	1.48
9	2.59	3.13	2.09	2.46	1.92	2.81	2.31	2.65	2.00	1.82	1.72	1.46
10	2.51	3.06	2.14	2.47	1.84	2.73	2.36	2.39	2.07	1.85	1.71	1.40
11	2.39	2.97	2.18	2.20	1.84	2.72	2.51	2.39	2.03	1.86	1.72	1.39
12	2.41	2.88	2.12	2.03	1.98	2.66	2.64	2.37	2.04	1.82	1.75	1.44
13	2.37	2.81	1.98	1.96	3.09	2.91	2.56	2.26	2.13	1.75	1.75	1.41
14	2.38	2.73	1.98	2.06	3.39	2.76	2.49	2.24	2.10	1.72	1.74	1.38
15	2.37	2.68	2.02	2.29	3.52	2.44	2.42	---	2.04	1.71	1.78	1.34
16	2.35	2.78	2.13	2.37	3.64	2.45	2.34	---	2.09	1.74	1.77	1.37
17	2.39	2.91	2.20	2.19	3.52	2.53	2.20	1.94	2.16	1.70	1.70	1.37
18	2.22	4.19	2.05	2.15	3.31	2.60	2.14	2.07	2.46	1.72	1.63	1.36
19	2.24	4.17	1.90	2.12	3.11	2.69	2.11	2.09	2.58	1.70	1.63	1.36
20	2.31	3.84	1.89	2.03	3.03	2.48	2.06	2.02	2.61	1.67	1.60	1.33
21	2.36	3.47	2.03	2.00	3.38	2.43	2.13	2.00	2.59	1.67	1.48	1.31
22	2.33	3.07	2.09	2.14	3.13	2.38	2.11	1.94	2.57	1.64	1.52	1.33
23	2.21	3.07	2.04	2.08	2.88	2.26	1.87	2.08	2.47	1.60	1.50	1.55
24	2.19	3.17	1.83	2.19	2.86	2.27	1.85	2.33	2.28	1.59	1.53	1.65
25	3.12	3.16	1.75	1.99	3.44	2.31	1.87	2.64	2.23	1.61	1.50	1.45
26	4.90	2.72	1.90	2.09	3.84	2.21	2.39	2.69	2.22	1.62	1.50	1.41
27	5.74	2.58	2.01	2.23	3.99	2.27	3.40	2.62	2.21	1.61	1.50	1.46
28	6.23	2.55	2.04	2.40	4.01	2.42	4.05	2.49	2.19	1.62	1.47	1.51
29	6.53	2.58	2.14	2.52	---	2.32	4.29	2.61	2.24	1.61	1.42	1.52
30	6.56	2.68	2.43	2.58	---	2.25	4.51	2.65	2.25	1.64	1.42	1.52
31	6.24	---	2.43	2.55	---	2.17	---	2.61	---	1.61	1.42	---
MAX	6.56	5.62	2.49	2.58	4.01	4.07	4.51	---	2.61	2.22	1.78	1.65
MIN	2.19	2.55	1.75	1.80	1.84	2.17	1.85	---	1.94	1.59	1.42	1.31

MERMENTAU RIVER BASIN

08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA

LOCATION.--Lat 30°06'52", long 92°19'25", in sec. 1, T. 11 S., R. 1 E., Louisiana Meridian, Acadia-Vermilion Parish line, Hydrologic Unit 08080202, at bridge (Simon Bridge) on State Highway 92, 4.4 mi southwest of Indian Bayou and 8.2 mi southeast of Crowley.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1991 to current year. Unpublished records, May 1991 to September 1991, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Gage datum; sea level of gage not determined.

REMARKS.--Records poor. Discharge affected by wind and variable backwater from Mermentau River causing reverse flow at times during the year. Extremes for maximum or minimum recorded values may have been higher or lower during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded daily discharge, 4,070 ft³/s, Jan. 22, 1993; minimum recorded daily discharge, 0.67 ft³/s, Sept. 14, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,000 ft³/s, Oct. 27; minimum recorded daily discharge, 0.67 ft³/s, Sept. 14, but may have been lower during period of no record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	356	475	67	112	107	118	153	94	66	68	73	24
2	295	329	60	88	84	93	65	82	48	60	78	20
3	207	247	59	72	---	76	44	81	40	55	50	9.8
4	150	192	56	62	---	57	44	66	27	46	30	6.4
5	114	151	56	57	---	59	339	34	19	25	44	1.5
6	104	126	56	50	51	38	430	56	13	17	---	3.7
7	114	124	56	91	25	42	110	69	90	13	52	5.6
8	94	162	49	219	18	35	56	61	121	21	59	2.5
9	81	130	48	120	14	36	47	71	79	30	47	2.5
10	72	107	48	87	16	37	59	70	103	40	41	4.0
11	64	92	50	71	12	28	88	54	73	35	98	4.0
12	59	82	50	59	346	48	571	50	58	28	69	3.2
13	57	76	46	72	1660	666	376	48	56	32	48	3.7
14	57	72	44	70	2190	373	89	57	39	66	48	.67
15	57	68	46	66	924	73	89	67	36	51	45	2.1
16	56	69	246	112	183	26	63	52	26	48	52	3.6
17	56	73	338	82	89	16	59	39	139	43	50	1.1
18	63	191	169	64	73	53	58	51	662	22	38	5.7
19	58	283	117	55	68	550	67	53	418	16	44	---
20	55	186	86	48	69	250	94	63	167	17	43	---
21	56	150	65	45	1020	59	97	42	105	22	25	---
22	58	124	53	49	811	63	63	108	71	20	13	---
23	55	103	48	63	131	52	52	89	59	17	143	---
24	52	92	45	60	716	39	32	148	52	38	49	---
25	850	99	40	55	1520	49	25	357	70	44	16	5.6
26	2550	90	41	49	1350	101	575	129	85	113	39	4.8
27	3000	77	49	49	646	107	1170	74	194	75	27	2.1
28	2890	68	52	362	175	86	1130	51	82	44	13	4.7
29	2160	64	114	507	---	65	379	66	93	47	6.1	1.9
30	1210	67	313	205	---	221	125	99	119	193	5.3	1.7
31	731	---	163	141	---	653	---	98	---	113	8.3	---
MEAN	509	139	88.1	105	---	134	218	80.0	107	47.1	---	---

MERMENTAU RIVER BASIN

08012285 BAYOU QUEUE DE TORTUE NEAR INDIAN BAYOU, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.29	10.80	6.84	7.78	7.70	9.73	7.75	9.89	7.42	7.65	6.70	5.57
2	9.94	10.16	6.66	7.32	7.24	9.08	7.32	9.24	7.02	7.29	6.73	5.58
3	9.09	9.52	6.62	6.95	---	8.58	6.99	8.89	6.65	6.88	6.41	5.54
4	8.40	8.92	6.53	6.70	---	8.14	6.77	8.57	6.34	6.46	6.09	5.44
5	7.82	8.42	6.54	6.57	7.11	7.81	7.96	8.08	6.14	6.03	5.98	5.44
6	7.65	8.03	6.53	6.33	6.84	7.49	9.10	7.66	6.07	5.89	---	5.51
7	7.84	7.99	6.52	7.12	6.56	7.18	8.09	7.40	6.68	6.60	5.91	5.60
8	7.46	8.57	6.33	9.22	6.41	7.01	7.66	7.17	8.50	7.04	5.96	5.59
9	7.17	8.09	6.27	7.92	6.18	6.91	7.27	6.98	8.66	7.08	6.00	5.58
10	6.96	7.70	6.29	7.30	6.05	6.85	6.88	6.87	8.81	6.92	6.01	5.51
11	6.76	7.40	6.33	6.93	5.97	6.86	6.96	6.71	8.41	6.65	6.08	5.47
12	6.63	7.19	6.35	6.61	7.57	6.82	8.78	6.60	7.88	6.38	6.17	5.51
13	6.58	7.05	6.22	6.95	13.88	9.66	8.90	6.48	7.33	6.13	6.08	5.49
14	6.55	6.96	6.15	6.90	14.65	9.13	8.06	6.40	6.95	6.29	5.98	5.47
15	6.55	6.87	6.22	6.80	12.57	8.09	7.67	6.32	6.61	6.33	5.96	5.45
16	6.52	6.89	9.10	7.78	10.64	7.50	7.25	6.15	6.34	6.20	5.95	5.45
17	6.54	7.00	10.12	7.19	9.68	7.08	6.94	6.11	7.40	6.09	5.88	5.47
18	6.74	8.72	8.64	6.76	8.91	6.95	6.76	6.21	11.75	5.98	5.77	5.45
19	6.60	9.81	7.88	6.50	8.29	9.14	6.56	6.25	11.99	5.90	5.77	5.44
20	6.51	8.87	7.29	6.29	7.80	8.57	6.42	6.20	10.88	5.87	5.75	5.41
21	6.52	8.41	6.79	6.18	10.36	7.89	6.39	6.14	10.00	5.84	5.64	5.40
22	6.61	8.01	6.44	6.32	10.57	7.61	6.40	6.45	9.19	5.78	5.64	5.39
23	6.50	7.62	6.28	6.74	8.80	7.29	6.26	6.70	8.48	5.75	6.16	5.60
24	6.40	7.42	6.19	6.65	9.93	6.96	6.01	7.39	7.86	5.79	5.82	5.78
25	11.01	7.55	6.00	6.49	13.58	6.75	6.05	9.08	7.41	5.86	5.64	5.66
26	15.20	7.37	6.05	6.30	14.18	7.08	9.05	8.39	7.35	6.21	5.65	5.54
27	16.21	7.09	6.30	6.31	12.27	7.35	12.08	7.93	7.96	6.14	5.62	5.57
28	15.97	6.87	6.40	9.56	10.60	7.13	13.26	7.52	7.58	5.92	5.59	5.63
29	14.29	6.77	7.49	10.83	---	6.92	11.78	7.48	7.62	5.97	5.54	5.63
30	12.47	6.84	10.03	9.07	---	7.32	10.66	7.77	7.96	6.80	5.53	5.64
31	11.55	---	8.55	8.26	---	8.99	---	7.81	---	6.65	5.53	---
MAX	16.21	10.80	10.12	10.83	---	9.73	13.26	9.89	11.99	7.65	---	5.78
MIN	6.40	6.77	6.00	6.18	---	6.75	6.01	6.11	6.07	5.75	---	5.39

MERMENTAU RIVER BASIN

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA

LOCATION.--Lat 30°04'55", long 92°30'20", in sec. 19, T. 11 S., R. 1 W., Louisiana Meridian, Acadia-Vermilion Parish line, Hydrologic Unit 08080202, at bridge on State Highway 91, 0.5 mi northeast of Riceville, and 3.3 mi north of Gueydan.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year. Unpublished records, December 1982 to September 1985, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.30 ft below sea level. Oct. 4, 1942 to Dec. 31, 1951, nonrecording gage at same site. Prior to Oct. 1, 1987, at datum 6.60 ft below sea level.

REMARKS.--No estimated daily discharge. 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, 5,760 ft³/s, Oct. 28; maximum gage height, 10.44 ft, Oct. 28; maximum negative daily discharge recorded, -188 ft³/s, Nov. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2330	153	746	574	1540	666	2050	489	771	413	-5.4
2	---	1910	121	506	386	976	486	1310	310	565	402	41
3	---	1450	106	332	---	690	289	1090	233	379	328	12
4	1100	1050	106	207	---	529	147	927	111	293	239	-7.3
5	741	749	86	186	---	342	156	604	63	130	189	-27
6	590	548	82	186	233	270	927	354	-45	65	158	-3.1
7	594	410	97	204	153	178	872	245	85	335	152	-17
8	497	711	107	439	136	91	626	151	806	562	160	-12
9	355	700	69	478	87	74	458	126	1330	598	166	2.2
10	284	497	41	383	50	69	259	134	1490	493	183	-27
11	253	354	42	275	2.1	85	184	81	1390	361	202	-67
12	141	262	119	218	110	90	615	50	1040	276	260	-73
13	131	189	117	243	1730	449	1100	38	629	180	199	-42
14	92	161	67	253	3100	1020	911	13	424	218	145	-28
15	102	130	79	225	3020	889	621	40	287	259	103	-3.6
16	87	-7.0	497	304	2330	626	397	3.1	90	232	85	-40
17	74	91	1060	332	1640	329	257	-31	263	219	71	-19
18	211	-188	1070	245	1120	201	184	-42	2360	130	36	-27
19	226	903	769	182	797	492	138	-21	4320	97	22	-36
20	123	978	550	154	507	825	118	-13	4060	89	28	-30
21	82	772	340	108	533	722	82	-38	3070	60	41	-24
22	147	637	198	117	1090	564	76	47	2140	38	-47	-52
23	167	423	159	193	963	445	105	132	1480	20	135	-28
24	125	193	178	208	864	290	19	225	950	62	75	3.4
25	810	206	136	186	1920	176	48	638	577	104	13	40
26	3720	308	107	149	2920	226	619	1000	483	201	1.2	-16
27	5650	265	173	103	2650	378	2010	899	577	206	6.9	-40
28	5760	189	200	425	2380	342	3650	629	671	145	-4.6	-13
29	5060	115	264	1050	---	260	3790	523	664	183	-16	-7.8
30	4170	85	711	1020	---	251	2640	589	795	301	-32	8.6
31	3140	---	928	772	---	540	---	644	---	381	-12	---
TOTAL	---	16421.0	8732	10429	---	13959	22450	12397.1	31142	7953	3701.5	-538.0
MEAN	---	547	282	336	---	450	748	400	1038	257	119	-17.9

MERMENTAU RIVER BASIN

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.92	8.89	5.44	5.99	6.02	7.72	5.85	7.90	5.76	5.86	4.92	4.23
2	7.46	8.32	5.29	5.71	5.71	7.27	5.68	7.42	5.50	5.64	4.99	4.23
3	7.04	7.75	5.26	5.45	---	6.90	5.45	7.10	5.21	5.34	4.86	4.21
4	6.58	7.25	5.16	5.29	---	6.55	5.32	6.78	4.95	4.98	4.63	4.11
5	6.16	6.86	5.17	5.18	---	6.28	5.72	6.43	4.77	4.62	4.53	4.12
6	5.92	6.54	5.16	4.93	5.33	6.00	6.18	6.11	4.71	4.52	4.48	4.19
7	5.89	6.40	5.14	4.80	5.14	5.74	6.19	5.86	4.82	4.94	4.49	4.29
8	5.84	6.51	4.95	5.49	4.98	5.64	5.90	5.71	5.56	5.34	4.51	4.27
9	5.69	6.41	4.90	5.80	4.78	5.54	5.64	5.54	6.09	5.41	4.59	4.25
10	5.53	6.18	4.92	5.69	4.67	5.48	5.37	5.35	6.51	5.32	4.61	4.19
11	5.35	5.96	4.97	5.45	4.61	5.48	5.39	5.26	6.40	5.13	4.61	4.16
12	5.25	5.79	4.97	5.16	4.89	5.42	5.84	5.20	6.05	4.91	4.69	4.20
13	5.21	5.68	4.84	5.09	7.09	5.86	6.24	5.09	5.68	4.70	4.66	4.18
14	5.20	5.59	4.79	5.17	8.43	6.34	6.16	5.01	5.40	4.71	4.59	4.16
15	5.19	5.51	4.85	5.21	8.55	6.23	5.90	4.92	5.13	4.79	4.60	4.12
16	5.16	5.56	5.45	5.46	8.21	5.87	5.65	4.75	4.94	4.73	4.58	4.14
17	5.18	5.64	6.21	5.49	7.63	5.59	5.42	4.73	5.10	4.66	4.51	4.14
18	5.26	6.59	6.37	5.29	7.04	5.45	5.23	4.81	6.96	4.60	4.43	4.13
19	5.16	7.20	6.08	5.09	6.56	5.81	5.09	4.86	8.26	4.54	4.42	4.12
20	5.14	7.14	5.68	4.93	6.18	6.15	4.95	4.79	8.21	4.51	4.39	4.10
21	5.16	6.80	5.32	4.84	6.34	6.06	4.94	4.75	7.72	4.48	4.29	4.08
22	5.22	6.43	5.07	4.95	6.83	5.86	4.96	4.79	7.16	4.44	4.30	4.08
23	5.10	6.13	4.93	5.05	6.73	5.66	4.81	5.02	6.62	4.40	4.38	4.29
24	5.04	6.02	4.83	5.14	6.61	5.42	4.63	5.35	6.14	4.40	4.37	4.45
25	6.17	6.11	4.64	5.04	7.64	5.26	4.66	5.97	5.72	4.44	4.29	4.31
26	9.03	5.91	4.72	4.93	8.50	5.30	5.48	6.29	5.53	4.52	4.28	4.21
27	10.27	5.65	4.88	4.98	8.59	5.49	7.26	6.16	5.60	4.58	4.28	4.25
28	10.41	5.47	4.96	5.64	8.23	5.51	8.60	5.88	5.69	4.49	4.25	4.30
29	10.26	5.41	5.07	6.50	---	5.40	8.78	5.79	5.67	4.51	4.20	4.30
30	9.92	5.47	5.79	6.66	---	5.32	8.38	5.85	5.83	4.73	4.20	4.31
31	9.43	---	6.13	6.37	---	5.69	---	5.93	---	4.87	4.20	---
MAX	10.41	8.89	6.37	6.66	---	7.72	8.78	7.90	8.26	5.86	4.99	4.45
MIN	5.04	5.41	4.64	4.80	---	5.26	4.63	4.73	4.71	4.40	4.20	4.08

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA

LOCATION.--Lat 30°04'12", long 92°52'43", in SE 1/4 SE 1/4 sec. 21, T.11 S., R.5 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at bridge on State Highway 14, 12.9 mi west of Lake Arthur, and 16.8 mi upstream from Intracoastal Waterway.

DRAINAGE AREA.--299 mi².

PERIOD OF RECORD.--Annual peaks, water years 1969-74, October 1974 to September 1985 (gage height only), October 1985 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 7.00 ft below sea level (levels by Louisiana Department of Transportation and Development, Office of Highways); prior to Oct. 1, 1974, nonrecording gage at same site at datum 0.85 ft lower.

REMARKS.--No estimated daily discharge. Records poor. No gage-height and velocity record: Oct. 1-15; Mar. 17-22, July 4-9. Discharge affected by wind and tide at all stages. Reverse flow at times during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.72 ft, May 19, 1980; minimum gage height, 7.25 ft, Mar. 18, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum positive recorded discharge, 7,590 ft³/s, Oct. 28, may have been higher during period of no record, gage height 11.43 ft; no flow at times during the year; maximum negative daily recorded discharge, -673 ft³/s, Apr. 4, may have been higher during period of no record; minimum gage height, 8.01 ft, Sept. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4530	855	2180	526	1280	8.2	3030	67	408	36	-154
2	---	4010	215	1500	393	1480	21	1730	-23	208	-99	-86
3	---	2700	284	782	202	1350	-170	1630	-91	129	-99	-147
4	---	1840	197	287	350	635	-673	703	-92	---	-56	-278
5	---	1520	289	601	363	496	---	64	-149	---	-107	-213
6	---	954	338	467	139	393	---	200	-179	---	-110	-200
7	---	1250	431	915	220	-146	961	147	15	---	53	-137
8	---	2180	342	1860	746	139	320	246	150	---	29	-53
9	---	1750	156	2360	101	137	-18	360	289	---	141	-94
10	---	1360	164	1910	81	-27	-384	106	474	185	392	-247
11	---	750	89	1440	-26	72	-254	-44	260	137	303	-270
12	---	549	433	919	386	-307	1150	32	-13	59	320	-199
13	---	421	281	892	3390	609	1590	22	-23	23	226	-169
14	---	383	140	778	5010	1010	948	102	-33	84	105	-135
15	---	113	135	644	4590	378	495	65	1.7	142	-11	-155
16	---	-590	1570	1310	3920	3.1	236	-60	-24	-38	-35	-123
17	274	686	1400	1070	2850	---	257	-160	118	-69	-8.1	-152
18	671	3230	1860	800	1930	---	58	-141	1030	-42	-87	-215
19	33	4630	996	559	1240	---	242	-27	973	-4.2	-75	-188
20	60	4640	193	373	-66	---	128	-43	882	-64	-44	-148
21	45	4070	-100	186	1390	---	219	-66	311	-16	-243	-128
22	617	3510	225	348	1700	---	294	109	144	44	-209	-150
23	307	2400	317	661	843	116	180	152	405	-6.6	281	-31
24	112	1490	492	606	417	-80	-196	318	276	-90	-31	373
25	1910	2070	89	391	1680	245	-7.3	689	87	-23	-148	443
26	5220	1320	84	12	2030	713	1590	816	436	39	-185	135
27	6290	779	227	20	2690	631	3240	596	587	-17	-123	-22
28	6820	445	202	1610	2300	556	4220	282	999	-8.5	-178	5.6
29	6420	65	668	1700	---	344	4150	-173	754	.45	-217	-14
30	5690	270	1950	1580	---	347	3610	79	571	225	-208	39
31	5090	---	2440	1090	---	260	---	338	---	82	-142	---
TOTAL	---	53325	16962	29851	39395	---	---	11102	8202.7	---	-529.1	-2712.4
MEAN	---	1778	547	963	1407	---	---	358	273	---	-17.1	-90.4

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.98	9.18	9.05	9.00	10.24	8.95	10.08	9.08	8.87	8.43	8.22
2	---	10.68	9.19	9.00	9.04	10.16	8.97	10.14	9.00	8.75	8.45	8.18
3	---	10.55	9.16	8.99	9.03	9.88	9.03	9.92	8.90	8.61	8.44	8.18
4	---	10.43	9.10	9.05	9.03	9.79	9.25	9.75	8.80	8.45	8.38	8.10
5	---	10.28	9.09	8.87	8.89	9.70	---	9.70	8.70	---	8.35	8.10
6	---	10.16	9.07	8.61	8.86	9.44	---	9.60	8.69	---	8.35	8.20
7	---	10.10	8.95	8.59	8.91	9.50	9.19	9.53	8.68	---	8.38	8.31
8	---	9.94	8.79	8.96	8.59	9.49	9.14	9.48	8.72	---	8.39	8.25
9	---	9.85	8.81	9.01	8.61	9.42	9.06	9.34	8.77	8.58	8.49	8.22
10	---	9.77	8.85	9.05	8.56	9.37	9.14	9.20	8.79	8.59	8.48	8.16
11	---	9.71	8.89	8.86	8.58	9.38	9.30	9.15	8.77	8.57	8.47	8.19
12	---	9.63	8.82	8.72	8.85	9.41	9.28	9.12	8.76	8.53	8.52	8.22
13	---	9.57	8.72	8.64	9.51	9.55	9.16	8.99	8.82	8.46	8.49	8.18
14	---	9.50	8.73	8.76	9.85	9.39	9.16	8.93	8.80	8.46	8.45	8.14
15	---	9.51	8.80	8.95	9.92	9.21	9.12	8.83	8.77	8.48	8.50	8.10
16	---	9.73	8.76	8.89	9.81	9.20	9.04	8.75	8.79	8.52	8.50	8.12
17	9.14	9.68	8.84	8.82	9.66	9.28	8.90	8.74	8.85	8.48	8.43	8.13
18	8.97	10.00	8.64	8.79	9.56	9.28	8.90	8.81	9.14	8.49	8.38	8.13
19	9.00	10.32	8.50	8.73	9.48	9.26	8.84	8.81	9.33	8.43	8.37	8.15
20	9.09	10.42	8.59	8.68	9.60	9.12	8.80	8.75	9.34	8.41	8.32	8.15
21	9.15	10.33	8.80	8.72	9.68	9.08	8.80	8.73	9.32	8.41	8.23	8.13
22	9.07	10.09	8.84	8.81	9.39	9.02	8.77	8.73	9.34	8.36	8.30	8.15
23	8.96	9.99	8.78	8.82	9.34	8.94	8.57	8.84	9.23	8.32	8.31	8.37
24	8.99	10.02	8.58	8.84	9.39	8.98	8.68	9.03	9.02	8.35	8.32	8.43
25	9.65	9.72	8.51	8.68	9.64	9.02	8.81	9.22	8.96	8.35	8.28	8.23
26	10.63	9.46	8.67	8.81	10.01	8.98	9.30	9.26	8.99	8.34	8.26	8.16
27	11.16	9.37	8.73	8.88	10.04	9.03	9.79	9.23	8.95	8.30	8.25	8.20
28	11.37	9.30	8.76	8.83	10.03	9.05	10.06	9.14	8.94	8.35	8.21	8.25
29	11.38	9.35	8.83	8.98	---	9.00	10.18	9.32	8.96	8.34	8.17	8.26
30	11.18	9.41	9.03	9.02	---	8.91	10.20	9.34	8.96	8.38	8.17	8.27
31	11.10	---	9.09	9.01	---	8.89	---	9.21	---	8.37	8.18	---
MAX	---	10.98	9.19	9.05	10.04	10.24	---	10.14	9.34	---	8.52	8.43
MIN	---	9.30	8.50	8.59	8.56	8.89	---	8.73	8.68	---	8.17	8.10

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 discharge. Telephony at station. Records good.

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)
Feb. 16	1500	11,800	15.89	Feb. 28	2330	*12,900	*16.09

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	341	323	376	509	1850	11700	1210	2250	596	169	57	44
2	265	194	278	537	1690	8600	926	2160	274	154	93	41
3	170	134	298	514	1500	6270	525	2140	327	130	86	41
4	118	105	382	464	1550	4900	317	2050	441	99	68	65
5	92	89	426	394	1510	4020	339	1600	474	77	62	108
6	77	79	391	318	1410	3320	539	907	320	68	55	85
7	67	82	313	320	1550	2660	615	408	176	71	49	63
8	61	163	219	328	2020	1920	809	222	138	74	50	52
9	56	287	160	406	2400	1290	986	168	132	77	61	46
10	52	303	133	596	2360	820	1130	141	115	136	120	42
11	49	204	117	745	2080	558	1310	124	103	283	213	39
12	46	126	106	721	2140	452	1450	112	103	312	473	37
13	45	99	101	574	4610	558	1500	104	107	347	628	36
14	43	84	95	465	5400	862	1540	97	97	376	754	35
15	42	76	118	403	7680	1130	1510	92	87	318	780	34
16	41	73	293	416	11100	1400	1460	94	81	204	688	34
17	40	80	592	522	9230	1610	1360	90	79	124	592	33
18	39	146	846	716	6220	1740	1170	83	76	88	447	32
19	38	254	1050	929	4670	2050	937	80	74	73	239	32
20	37	453	1270	1040	3750	2490	679	84	75	64	119	32
21	37	552	1450	1080	3270	2420	405	174	102	58	83	32
22	38	586	1560	997	2480	1770	235	216	134	82	69	32
23	39	536	1630	736	1860	1190	183	298	118	154	62	32
24	40	389	1650	516	1970	782	157	439	91	151	56	34
25	54	250	1370	410	4340	542	143	1370	77	117	52	35
26	759	239	736	403	6990	479	338	1280	82	105	53	33
27	1050	463	394	437	10100	758	780	1210	76	105	56	38
28	577	606	285	1330	11900	1090	1630	1500	84	88	53	57
29	582	579	265	1920	---	1270	2270	1770	147	72	52	88
30	618	486	308	1730	---	1300	2300	1630	192	64	48	82
31	515	---	412	1760	---	1260	---	1260	---	59	46	---
TOTAL	6028	8040	17624	22236	117630	71211	28753	24153	4978	4299	6264	1394
MEAN	194	268	569	717	4201	2297	958	779	166	139	202	46.5
MAX	1050	606	1650	1920	11900	11700	2300	2250	596	376	780	108
MIN	37	73	95	318	1410	452	143	80	74	58	46	32
AC-FT	11960	15950	34960	44110	233300	141200	57030	47910	9870	8530	12420	2760
CFSM	.39	.54	1.14	1.44	8.42	4.60	1.92	1.56	.33	.28	.40	.09
IN.	.45	.60	1.31	1.66	8.77	5.31	2.14	1.80	.37	.32	.47	.10

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1997, BY WATER YEAR (WY)

MEAN	226	492	1081	1538	1626	1346	1138	1021	400	263	154	168
MAX	2460	3956	6770	4612	4901	4293	3938	10500	3865	4535	1978	1595
(WY)	1986	1958	1983	1947	1966	1995	1995	1953	1989	1989	1955	1958
MIN	16.5	25.2	29.4	58.3	149	103	91.9	45.3	41.1	24.8	20.0	17.0
(WY)	1957	1955	1955	1981	1954	1954	1981	1963	1948	1954	1956	1954

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1944 - 1997		
ANNUAL TOTAL	152094		312610				
ANNUAL MEAN	416		856		784		
HIGHEST ANNUAL MEAN					1659		
LOWEST ANNUAL MEAN					227		
HIGHEST DAILY MEAN	3470	Apr 22	11900	Feb	28	55900	May 19 1953
LOWEST DAILY MEAN	32	Jul 11	32	Sep	18	15	Oct 7 1954
ANNUAL SEVEN-DAY MINIMUM	33	Jul 9	32	Sep	17	16	Oct 3 1954
INSTANTANEOUS PEAK FLOW	59500		12900	Feb	28	59500	May 19 1953
INSTANTANEOUS PEAK STAGE			16.09	Feb	28	21.55	May 19 1953
INSTANTANEOUS LOW FLOW			32	Sep	18-24, 26	15	Sep 27, 28 1954
							Oct 18 1956
INSTANTANEOUS LOW STAGE			5.01	Sep	20-23	3.86	Oct 18 1956
ANNUAL RUNOFF (AC-FT)	301700		620100			568000	
ANNUAL RUNOFF (CFSM)	.83		1.72			1.57	
ANNUAL RUNOFF (INCHES)	11.34		23.30			21.35	
10 PERCENT EXCEEDS	1390		1940			2090	
50 PERCENT EXCEEDS	130		303			173	
90 PERCENT EXCEEDS	39		47			32	

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.82	8.67	9.05	9.86	12.62	15.87	11.69	12.92	10.12	7.27	5.59	5.29
2	8.22	7.54	8.34	10.01	12.47	15.24	11.16	12.86	8.30	7.10	6.25	5.24
3	7.28	6.83	8.49	9.89	12.18	14.64	9.91	12.84	8.71	6.78	6.14	5.23
4	6.60	6.39	9.10	9.60	12.26	14.20	8.64	12.78	9.47	6.35	5.81	5.73
5	6.18	6.13	9.38	9.18	12.19	13.86	8.77	12.31	9.66	5.99	5.68	6.47
6	5.89	5.95	9.16	8.65	12.02	13.54	10.02	11.09	8.64	5.81	5.54	6.12
7	5.70	5.98	8.61	8.66	12.26	13.18	10.37	9.23	7.35	5.88	5.41	5.71
8	5.57	7.17	7.81	8.73	12.75	12.66	10.91	7.83	6.89	5.94	5.43	5.47
9	5.46	8.41	7.17	9.24	13.02	11.82	11.29	7.26	6.81	5.99	5.65	5.34
10	5.38	8.54	6.82	10.29	12.99	10.93	11.56	6.93	6.56	6.83	6.64	5.26
11	5.31	7.64	6.59	10.77	12.80	10.11	11.85	6.69	6.36	8.38	7.67	5.19
12	5.25	6.72	6.42	10.71	12.82	9.53	12.09	6.51	6.37	8.60	9.64	5.15
13	5.21	6.29	6.32	10.19	14.08	10.06	12.18	6.37	6.43	8.87	10.42	5.10
14	5.17	6.03	6.22	9.61	14.37	11.03	12.25	6.26	6.26	9.06	10.79	5.08
15	5.15	5.88	6.51	9.24	15.01	11.56	12.18	6.17	6.09	8.65	10.85	5.07
16	5.13	5.81	8.44	9.32	15.76	12.01	12.10	6.20	5.97	7.64	10.63	5.07
17	5.10	5.94	10.21	9.92	15.38	12.36	11.94	6.13	5.93	6.70	10.28	5.05
18	5.09	6.99	11.00	10.68	14.62	12.54	11.63	6.01	5.89	6.18	9.49	5.03
19	5.07	8.07	11.41	11.18	14.11	12.78	11.19	5.95	5.84	5.92	7.96	5.02
20	5.05	9.53	11.79	11.39	13.74	13.08	10.56	6.02	5.86	5.74	6.63	5.01
21	5.04	10.09	12.08	11.47	13.51	13.03	9.22	7.29	6.33	5.60	6.09	5.01
22	5.07	10.25	12.27	11.31	13.06	12.51	7.96	7.79	6.84	6.02	5.83	5.01
23	5.10	10.00	12.40	10.73	12.63	11.66	7.42	8.49	6.62	7.09	5.69	5.01
24	5.11	9.14	12.42	9.89	12.71	10.84	7.13	9.39	6.23	7.06	5.56	5.07
25	5.40	8.09	11.96	9.28	13.94	10.03	6.95	11.96	6.00	6.61	5.48	5.08
26	10.33	7.99	10.66	9.24	14.84	9.69	8.73	11.81	6.08	6.44	5.49	5.05
27	11.39	9.58	9.17	9.44	15.57	10.77	10.75	11.70	5.98	6.44	5.55	5.16
28	10.20	10.34	8.40	11.85	15.91	11.48	12.32	12.18	6.11	6.18	5.50	5.58
29	10.23	10.22	8.24	12.68	---	11.79	12.93	12.56	6.99	5.90	5.47	6.19
30	10.40	9.73	8.57	12.52	---	11.85	12.95	12.39	7.53	5.74	5.40	6.08
31	9.88	---	9.29	12.55	---	11.78	---	11.78	---	5.61	5.35	---
MAX	11.39	10.34	12.42	12.68	15.91	15.87	12.95	12.92	10.12	9.06	10.85	6.47
MIN	5.04	5.81	6.22	8.65	12.02	9.53	6.95	5.95	5.84	5.60	5.35	5.01

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW1/4 NE 1/4 sec. 7, T. 5 S., R. 4 W., Allen Parish, Hydrologic Unit 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi northwest of Oberlin, and 15 mi upstream from Whisky Chitto Creek..

DRAINAGE AREA.--753 mi².

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

REVISED RECORDS.--WSP 1512: 1923, 1939(M).

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft above sea level. Prior to February 1925 at datum about 2.5 ft higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and datum.

REMARKS.--Records fair. Prior to November 1981 paper mill at Elizabeth pumped about 11 ft³/s of water from wells which was later discharged into Mill Creek 20 mi upstream from station. Some small diversions from April to September for rice irrigation upstream from station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 19	0830	8,230	16.86	Mar. 2	0030	*11,000	*17.81

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1130	625	510	483	2280	10700	1080	1940	1310	186	131	98
2	667	564	581	486	1920	10800	1090	1750	1220	211	118	95
3	439	471	558	519	1700	10000	1080	1640	982	214	110	92
4	356	346	456	551	1740	8450	1020	1570	621	206	113	90
5	284	258	372	553	2330	6810	935	1500	434	194	121	88
6	216	202	354	527	2820	5410	1020	1440	422	188	109	89
7	172	192	366	882	2720	4290	1060	1390	464	170	108	110
8	145	348	369	1600	2160	3500	977	1200	500	225	106	118
9	126	361	342	1930	1810	2910	851	849	375	250	126	104
10	111	323	295	1770	1720	2430	806	547	306	175	229	94
11	102	313	239	1320	1790	1950	840	407	284	154	198	89
12	96	312	201	1000	2050	1490	915	355	253	159	211	84
13	91	281	177	905	4100	1610	974	333	228	213	202	82
14	87	216	160	906	5950	1840	1060	e274	210	265	254	79
15	84	172	153	967	6540	1780	1120	263	203	299	355	78
16	81	148	350	1190	6510	1450	1150	255	190	334	432	76
17	79	185	915	1240	5480	1250	1180	298	179	338	485	75
18	78	827	1260	1040	6680	1240	1170	290	170	281	520	73
19	78	1260	1370	865	8060	1620	1140	251	164	228	530	72
20	75	1520	1220	811	6890	1910	1090	246	158	184	476	71
21	72	1150	959	846	5680	1910	991	307	150	165	378	69
22	71	688	888	1070	4860	1900	876	797	146	156	260	68
23	70	551	923	1380	4040	1950	745	1100	149	138	205	71
24	70	532	985	1310	3330	1890	657	1050	171	428	174	82
25	195	585	1040	1140	3800	1590	550	1500	176	374	149	101
26	1550	628	1090	934	4800	1230	741	1910	167	341	134	99
27	1980	508	1100	757	7550	970	1510	2290	179	232	122	84
28	2110	396	993	1330	9870	818	2380	2250	248	180	114	77
29	1850	377	755	1970	---	794	2840	1690	217	164	109	73
30	1310	437	565	2290	---	887	2510	1210	187	167	104	73
31	801	---	499	2470	---	996	---	1230	---	151	101	---
TOTAL	14576	14776	20045	35042	119180	96375	34358	32132	10463	6970	6784	2554
MEAN	470	493	647	1130	4256	3109	1145	1037	349	225	219	85.1
MAX	2110	1520	1370	2470	9870	10800	2840	2290	1310	428	530	118
MIN	70	148	153	483	1700	794	550	246	146	138	101	68
AC-FT	28910	29310	39760	69510	236400	191200	68150	63730	20750	13820	13460	5070
CFSM	.62	.65	.86	1.50	5.65	4.13	1.52	1.38	.46	.30	.29	.11
IN.	.72	.73	.99	1.73	5.89	4.76	1.70	1.59	.52	.34	.34	.13

e Estimated

CALCASIEU RIVER BASIN
08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1997, BY WATER YEAR (WY)

MEAN	338	695	1541	2044	2251	1932	1673	1606	669	525	344	299
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	49.4	48.2	46.6	40.6
(WY)	1957	1925	1955	1981	1954	1986	1981	1963	1988	1956	1954	1954

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1923 - 1997		
ANNUAL TOTAL	174588		393255		1160		
ANNUAL MEAN	477		1077		2409		
HIGHEST ANNUAL MEAN					1983		
LOWEST ANNUAL MEAN					337		
HIGHEST DAILY MEAN	4170	Jan 28	10800	Mar 2	67600	May 20	1953
LOWEST DAILY MEAN	62	Sep 19	68	Sep 22	22	Jul 23	1995
ANNUAL SEVEN-DAY MINIMUM	67	Sep 13	71	Sep 17	31	Oct 14	1956
INSTANTANEOUS PEAK FLOW			11000	Mar 2	72800	May 19	1953
INSTANTANEOUS PEAK STAGE			17.81	Mar 2	26.53	May 19	1953
INSTANTANEOUS LOW FLOW			67	Sep 22	30	Oct 17	1956
INSTANTANEOUS LOW STAGE			1.92	Oct 23,24	1.89	Oct 25	1988
ANNUAL RUNOFF (AC-FT)	346300		780000		840100		
ANNUAL RUNOFF (CFSM)	.63		1.43		1.54		
ANNUAL RUNOFF (INCHES)	8.63		19.43		20.93		
10 PERCENT EXCEEDS	1300		2260		3000		
50 PERCENT EXCEEDS	212		499		334		
90 PERCENT EXCEEDS	78		96		60		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.13	5.19	4.67	4.20	9.75	17.72	6.56	9.51	7.74	3.19	2.83	2.43
2	5.35	4.92	5.00	4.21	8.58	17.74	6.62	8.99	7.45	3.35	2.74	2.39
3	4.33	4.49	4.89	4.36	7.82	17.55	6.56	8.71	6.62	3.36	2.66	2.37
4	3.92	3.86	4.42	4.51	7.97	16.95	6.37	8.51	5.28	3.31	2.70	2.35
5	3.52	3.37	4.00	4.52	9.88	16.11	6.04	8.32	4.49	3.24	2.75	2.32
6	3.11	3.02	3.91	4.40	11.21	15.06	6.35	8.16	4.43	3.20	2.66	2.33
7	2.83	2.96	3.97	5.81	10.95	13.83	6.50	7.98	4.63	3.09	2.65	2.53
8	2.64	3.87	3.98	8.29	9.36	12.62	6.20	7.37	4.79	3.41	2.63	2.59
9	2.49	3.94	3.84	9.08	8.19	11.54	5.73	6.09	4.21	3.56	2.78	2.48
10	2.38	3.74	3.58	8.44	7.90	10.52	5.55	4.84	3.87	3.13	3.44	2.39
11	2.30	3.68	3.26	7.04	8.15	9.34	5.68	4.18	3.75	2.99	3.27	2.32
12	2.23	3.68	3.02	5.97	8.98	7.99	5.97	3.91	3.59	3.02	3.35	2.28
13	2.17	3.50	2.86	5.61	13.49	8.37	6.19	3.80	3.44	3.35	3.29	2.24
14	2.13	3.11	2.75	5.62	15.52	9.05	6.48	---	3.34	3.65	3.59	2.22
15	2.09	2.83	2.69	5.84	15.95	8.88	6.71	3.40	3.29	3.83	4.11	2.20
16	2.06	2.66	3.84	6.65	15.93	7.90	6.85	3.36	3.22	4.01	4.48	2.18
17	2.03	2.87	6.34	6.79	15.14	7.22	6.93	3.60	3.14	4.03	4.72	2.16
18	2.02	6.00	7.51	6.12	15.99	7.16	6.91	3.56	3.10	3.74	4.83	2.14
19	2.02	7.55	7.59	5.46	16.78	8.39	6.82	3.33	3.05	3.44	4.78	2.13
20	1.98	8.38	7.08	5.25	16.15	9.23	6.62	3.30	3.01	3.18	4.55	2.12
21	1.95	7.17	6.16	5.39	15.31	9.23	6.25	3.64	2.96	3.06	4.09	2.10
22	1.94	5.45	5.90	6.21	14.51	9.22	5.82	5.87	2.94	3.00	3.48	2.08
23	1.93	4.86	6.03	7.27	13.47	9.33	5.31	7.02	2.96	2.88	3.17	2.12
24	1.93	4.78	6.26	7.04	12.34	9.17	4.94	6.83	3.10	4.44	2.98	2.25
25	2.84	5.01	6.47	6.47	13.09	8.31	4.47	8.28	3.13	4.21	2.82	2.45
26	8.40	5.20	6.64	5.72	14.44	7.12	5.26	9.42	3.07	4.05	2.71	2.44
27	9.61	4.66	6.69	5.03	16.47	6.17	8.02	10.34	3.15	3.46	2.63	2.28
28	9.94	4.12	6.29	7.04	17.50	5.60	10.40	10.24	3.55	3.16	2.56	2.19
29	9.26	4.03	5.37	9.08	---	5.50	11.42	8.82	3.38	3.05	2.52	2.14
30	7.72	4.33	4.57	10.00	---	5.86	10.80	7.41	3.20	3.07	2.49	2.14
31	5.90	---	4.27	10.31	---	6.27	---	7.48	---	2.97	2.46	---
MAX	9.94	8.38	7.59	10.31	17.50	17.74	11.42	---	7.74	4.44	4.83	2.59
MIN	1.93	2.66	2.69	4.20	7.82	5.50	4.47	---	2.94	2.88	2.46	2.08

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE 1/4 NE 1/4 sec. 20, T. 4 S., R. 5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi downstream from Tenmile Creek, 8.0 mi upstream from Bundick Creek, and 10 mi northwest of Oberlin.

DRAINAGE AREA.--510 mi².

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORDS.--WDR LA-84-1: 1983(M).

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft above sea level. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records fair. Several measurements of water temperature were made during the year.

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)
Feb. 15	1900	8,200	17.91	Feb. 27	2300	*11,900	*19.73

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	365	303	636	1680	8550	666	1660	1010	267	378	183
2	640	320	308	514	1220	6700	623	1230	1240	252	319	181
3	347	292	363	454	796	4400	590	737	832	243	267	183
4	332	272	327	423	1450	2380	565	580	487	238	241	197
5	e320	258	291	401	2730	1650	591	512	378	234	232	216
6	e290	248	270	384	2440	1360	821	472	326	237	229	213
7	e270	255	257	615	2140	1220	1240	442	304	256	228	197
8	e252	381	249	802	1570	1120	1160	421	319	252	224	189
9	e241	834	242	816	1560	1010	770	403	337	388	238	186
10	e230	693	236	988	1610	935	633	386	559	629	315	183
11	e221	436	232	869	1180	989	574	372	665	666	431	181
12	e210	338	228	637	1120	965	541	362	548	438	659	179
13	e204	294	225	533	3750	1550	566	355	385	351	418	181
14	188	270	223	488	5200	2550	968	346	328	316	291	179
15	185	254	227	517	7590	2530	885	341	289	300	248	176
16	183	243	703	702	7590	2460	641	344	267	290	231	175
17	181	252	1630	818	5860	1810	561	e360	263	282	222	174
18	181	403	1880	813	2620	1160	519	e345	260	275	213	172
19	181	357	1810	619	1370	1270	493	e340	255	270	207	171
20	182	323	1230	525	1150	1510	474	e330	241	268	204	170
21	189	326	668	484	1440	1390	462	e355	245	320	200	169
22	190	282	528	484	2200	1090	457	e400	266	292	199	169
23	186	261	469	491	2250	925	458	e580	256	419	198	179
24	185	256	439	478	2210	825	443	782	244	458	197	202
25	234	368	419	471	2980	759	437	1140	235	351	214	228
26	1030	606	407	459	5340	718	1040	1960	232	369	232	326
27	1430	662	394	445	9600	914	1330	1980	272	350	208	270
28	1480	498	379	1410	10800	1340	2140	1380	335	324	195	221
29	1310	372	380	2640	---	1110	2390	953	316	312	190	202
30	1020	321	442	2580	---	839	2190	1100	286	315	187	192
31	483	---	658	2260	---	734	---	1150	---	324	185	---
TOTAL	13715	11040	16417	24756	91446	56763	25228	22118	11980	10286	8000	5844
MEAN	442	368	530	799	3266	1831	841	713	399	332	258	195
MAX	1480	834	1880	2640	10800	8550	2390	1980	1240	666	659	326
MIN	181	243	223	384	796	718	437	330	232	234	185	169
AC-FT	27200	21900	32560	49100	181400	112600	50040	43870	23760	20400	15870	11590
CFSM	.87	.72	1.04	1.57	6.40	3.59	1.65	1.40	.78	.65	.51	.38
IN.	1.00	.81	1.20	1.81	6.67	4.14	1.84	1.61	.87	.75	.58	.43

e Estimated

CALCASIEU RIVER BASIN
08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1997, BY WATER YEAR (WY)

MEAN	403	660	1095	1239	1333	1215	1076	1122	662	498	415	360
MAX	2877	4075	6076	3781	3326	3354	3630	12090	4192	4063	4264	2314
(WY)	1985	1958	1983	1974	1984	1995	1949	1953	1989	1989	1940	1958
MIN	99.1	135	144	224	290	261	228	189	155	126	124	115
(WY)	1957	1955	1955	1981	1954	1954	1963	1963	1970	1970	1970	1954

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1940 - 1997	
ANNUAL TOTAL	162982		297593			
ANNUAL MEAN	445		815			
HIGHEST ANNUAL MEAN					838	
LOWEST ANNUAL MEAN					1643	
HIGHEST DAILY MEAN	2160		10800		108000	
LOWEST DAILY MEAN	162		169		88	
ANNUAL SEVEN-DAY MINIMUM	166		171		90	
INSTANTANEOUS PEAK FLOW			11900		144000	
INSTANTANEOUS PEAK STAGE			19.73		32.80	
INSTANTANEOUS LOW FLOW			168		88	
INSTANTANEOUS LOW STAGE			2.72		2.41	
ANNUAL RUNOFF (AC-FT)	323300		590300		607000	
ANNUAL RUNOFF (CFSM)	.87		1.60		1.64	
ANNUAL RUNOFF (INCHES)	11.89		21.71		22.32	
10 PERCENT EXCEEDS	940		1650		1850	
50 PERCENT EXCEEDS	309		388		376	
90 PERCENT EXCEEDS	193		197		168	

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.51	3.72	3.44	4.64	7.83	18.14	4.71	8.09	6.24	3.47	3.76	2.84
2	4.85	3.52	3.46	4.16	6.32	16.45	4.55	6.79	6.94	3.39	3.50	2.83
3	3.78	3.39	3.72	3.90	4.92	13.81	4.43	5.12	5.70	3.34	3.24	2.84
4	3.50	3.29	3.55	3.76	7.01	10.03	4.33	4.55	4.55	3.31	3.11	2.94
5	---	3.22	3.38	3.66	10.85	7.95	4.43	4.28	4.13	3.27	3.04	3.05
6	---	3.16	3.28	3.57	10.02	7.03	5.25	4.12	3.90	3.28	3.02	3.03
7	---	3.20	3.21	4.48	9.14	6.59	6.65	3.99	3.79	3.37	3.01	2.93
8	---	3.76	3.16	5.18	7.39	6.28	6.40	3.90	3.86	3.35	2.98	2.89
9	---	5.47	3.12	5.22	7.32	5.91	5.08	3.83	3.95	3.94	3.07	2.87
10	---	4.97	3.09	5.83	7.45	5.66	4.59	3.75	4.80	4.82	3.45	2.84
11	---	4.02	3.06	5.39	6.13	5.84	4.37	3.69	5.15	4.95	3.93	2.82
12	---	3.60	3.03	4.54	5.92	5.76	4.24	3.64	4.74	4.13	4.84	2.81
13	---	3.40	3.01	4.14	12.73	7.61	4.33	3.61	4.13	3.77	3.91	2.82
14	2.88	3.28	3.00	3.94	14.86	10.52	5.76	3.57	3.88	3.60	3.42	2.81
15	2.86	3.19	3.02	4.05	17.33	10.47	5.48	3.55	3.69	3.53	3.23	2.79
16	2.84	3.13	4.93	4.73	17.34	10.30	4.61	3.56	3.56	3.47	3.14	2.78
17	2.83	3.18	7.99	5.15	15.57	8.40	4.32	---	3.54	3.43	3.09	2.77
18	2.83	3.88	8.73	5.12	10.37	6.39	4.15	---	3.52	3.39	3.04	2.75
19	2.83	3.69	8.52	4.41	6.90	6.76	4.05	---	3.49	3.36	3.00	2.75
20	2.84	3.53	6.78	4.04	6.22	7.49	3.97	---	3.40	3.34	2.98	2.74
21	2.89	3.55	4.86	3.87	7.12	7.11	3.92	---	3.42	3.57	2.96	2.73
22	2.90	3.34	4.32	3.86	9.43	6.18	3.90	---	3.53	3.44	2.95	2.73
23	2.86	3.23	4.07	3.88	9.60	5.62	3.90	---	3.47	3.98	2.94	2.81
24	2.85	3.20	3.93	3.82	9.47	5.28	3.84	5.28	3.39	4.12	2.94	2.97
25	3.14	3.73	3.83	3.77	11.27	5.04	3.81	6.45	3.33	3.69	3.04	3.11
26	6.14	4.66	3.77	3.72	15.00	4.89	5.99	8.94	3.31	3.76	3.15	3.56
27	7.42	4.86	3.70	3.65	18.56	5.57	6.92	9.02	3.52	3.67	3.01	3.33
28	7.56	4.26	3.63	6.91	19.36	6.95	9.41	7.32	3.81	3.55	2.93	3.08
29	7.03	3.75	3.62	10.72	---	6.22	10.13	6.07	3.71	3.49	2.90	2.97
30	6.08	3.52	3.88	10.52	---	5.33	9.58	6.52	3.57	3.50	2.87	2.91
31	4.20	---	4.73	9.62	---	4.95	---	6.67	---	3.53	2.86	---
MEAN	---	3.69	4.19	4.98	10.41	7.76	5.24	---	4.07	3.64	3.20	2.90

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA

LOCATION.--Lat 30°30'10", long 92°54'55", in NW 1/4 SE 1/4 sec. 30, T. 6 S., R. 5 W., Allen Parish, Hydrologic Unit 08080203, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi downstream from Whisky Chitto Creek, and 4.0 mi west of Kinder.

DRAINAGE AREA.--1,700 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1957 to September 1961 (annual maximums) from National Weather Service, October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft above sea level. August 1922 to January 1925, water-stage recorder 400 ft downstream at datum 1.77 ft higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated discharge. Records good. Prior to November, 1981, paper mill at Elizabeth pumped about 11 ft³/s from wells which was later discharged into Mill Creek 36 mi above station. Water is diverted during period April to September at points just above station and 5.0 mi above station for the irrigation of about 7,500 acres of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s and this diversion results in marked regulation of the low-water flow. Boyer method to determine discharge used Oct. 4-5, 8-9; Dec. 18-20, 24-25; Jan. 2-4, 27, 29-31; Feb. 3 and Apr. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3990	1840	1140	1620	6180	30800	1950	5860	3150	844	638	352
2	3460	1450	1240	1520	5320	27700	1900	4660	3290	782	667	348
3	2110	1250	1290	1380	4000	23700	1840	3690	3320	719	590	343
4	1330	1050	1220	1310	3150	19500	1760	3000	2780	651	512	358
5	1040	882	1070	1250	4360	14400	1850	2650	2000	615	496	376
6	847	758	961	1190	5840	10400	2020	2450	1450	849	470	398
7	712	729	921	1890	6450	7880	2500	2320	1250	843	594	403
8	620	1150	904	3940	6270	6470	2790	2170	1280	974	638	391
9	548	1610	877	4320	5350	5460	2440	1810	1300	1670	635	382
10	491	1710	816	4010	4600	4640	1850	1340	1350	1670	1190	369
11	447	1360	742	3450	4170	3950	1620	1030	1440	1450	1270	333
12	410	1090	671	2600	4040	3440	1900	875	1500	1210	1340	316
13	376	960	616	2070	7110	3910	1840	789	1250	972	1400	303
14	359	834	580	1930	12800	5840	1900	733	1000	895	1120	297
15	343	719	578	1980	15800	6410	2260	685	863	1080	1010	285
16	331	638	1300	2590	18100	5840	2120	740	765	1170	994	263
17	321	652	3020	2780	19300	5260	1960	792	710	932	1030	263
18	331	2510	3970	2540	16400	4360	1880	751	699	823	1040	258
19	328	3220	4240	2140	12100	4010	1790	712	683	709	1020	254
20	329	2830	4050	1780	10200	4560	1720	678	705	618	963	246
21	314	2560	3120	1640	9810	4550	1620	872	735	562	862	239
22	318	1890	2210	2090	9280	4250	1470	2240	684	568	716	234
23	324	1350	1900	2860	8630	3830	1320	3080	622	569	613	292
24	337	1190	1840	2710	7840	3490	1190	3160	591	999	537	741
25	1430	1500	1830	2290	8490	3150	1050	3500	605	1190	484	1140
26	4950	1910	1840	1920	11400	2660	2170	4600	612	982	489	849
27	6690	1820	1860	1630	16400	2170	4220	4980	594	874	474	771
28	6090	1510	1820	2740	24600	2270	5080	5050	794	717	426	630
29	5160	1210	1940	5260	---	2480	6240	4730	976	616	389	525
30	4260	1110	1850	6470	---	2220	6560	3750	945	655	374	459
31	2960	---	1540	6540	---	2020	---	3270	---	665	364	---
TOTAL	51556	43292	51956	82440	267990	231620	70810	76967	37943	27873	23345	12418
MEAN	1663	1443	1676	2659	9571	7472	2360	2483	1265	899	753	414
MAX	6690	3220	4240	6540	24600	30800	6560	5860	3320	1670	1400	1140
MIN	314	638	578	1190	3150	2020	1050	678	591	562	364	234
AC-FT	102300	85870	103100	163500	531600	459400	140500	152700	75260	55290	46300	24630

CALCASIEU RIVER BASIN
08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1997, BY WATER YEAR (WY)

MEAN	1009	1627	3647	4322	4638	4156	3708	3683	1938	1474	1055	840
MAX	9258	9475	20030	12670	11770	11880	14730	36390	9601	20130	12370	7285
(WY)	1985	1986	1983	1974	1950	1995	1923	1953	1950	1989	1940	1979
MIN	235	298	308	300	819	720	472	378	289	265	214	241
(WY)	1957	1955	1955	1981	1954	1954	1981	1963	1948	1956	1956	1954

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1923 - 1997		
ANNUAL TOTAL	512323			978210					
ANNUAL MEAN	1400			2680			2672		
HIGHEST ANNUAL MEAN							4979		
LOWEST ANNUAL MEAN							788		
HIGHEST DAILY MEAN	9880	Jan	28	30800	Mar	1	166000	May	20 1953
LOWEST DAILY MEAN	314	Oct	21	234	Sep	22	140	Aug	15 1956
ANNUAL SEVEN-DAY MINIMUM	324	Oct	17	251	Sep	16	164	Aug	12 1956
INSTANTANEOUS PEAK FLOW				31500	Mar	1	182000	May	19 1953
INSTANTANEOUS PEAK STAGE				19.62	Mar	1	32.00	May	19 1953
INSTANTANEOUS LOW FLOW				217	Sep	22	136	Aug	15 1956
INSTANTANEOUS LOW STAGE				1.74	Sep	22	1.42	Sep	30 1981
ANNUAL RUNOFF (AC-FT)	1016000			1940000			1936000		
10 PERCENT EXCEEDS	3120			5840			6170		
50 PERCENT EXCEEDS	914			1380			1060		
90 PERCENT EXCEEDS	427			395			334		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.84	6.49	4.62	5.91	13.37	19.52	7.19	13.08	9.43	3.98	3.23	2.20
2	9.97	5.47	4.88	5.65	12.41	19.10	7.06	11.75	9.70	3.79	3.31	2.19
3	7.14	4.92	5.03	5.27	10.55	18.51	6.94	10.36	9.75	3.59	3.07	2.17
4	5.14	4.35	4.85	5.08	9.14	17.81	6.75	9.14	8.71	3.37	2.83	2.22
5	4.30	3.85	4.40	4.93	11.08	16.75	6.95	8.48	7.05	3.25	2.77	2.28
6	3.75	3.49	4.08	4.76	13.01	15.61	7.34	8.10	5.74	3.98	2.68	2.35
7	3.34	3.39	3.97	6.55	13.62	14.56	8.33	7.81	5.24	3.95	3.07	2.36
8	3.05	4.63	3.92	10.73	13.44	13.63	8.87	7.48	5.33	4.32	3.20	2.32
9	2.82	5.89	3.84	11.31	12.30	12.69	8.20	6.67	5.36	6.13	3.19	2.29
10	2.64	6.15	3.66	10.86	11.17	11.73	6.95	5.53	5.50	6.13	4.76	2.25
11	2.50	5.22	3.44	9.97	10.55	10.78	6.39	4.67	5.72	5.58	5.00	2.14
12	2.38	4.48	3.21	8.30	10.35	9.98	7.07	4.21	5.86	4.95	5.19	2.08
13	2.28	4.08	3.04	7.07	13.89	10.68	6.93	3.96	5.22	4.28	5.34	2.04
14	2.22	3.71	2.92	6.72	16.34	13.05	7.07	3.79	4.49	4.07	4.55	2.02
15	2.17	3.37	2.92	6.84	17.07	13.58	7.85	3.64	4.09	4.58	4.22	1.98
16	2.13	3.11	5.02	8.29	17.54	13.07	7.56	3.81	3.79	4.81	4.18	1.91
17	2.10	3.14	9.14	8.68	17.77	12.48	7.21	3.97	3.62	4.15	4.29	1.91
18	2.13	8.02	10.80	8.20	17.20	11.34	7.02	3.84	3.58	3.84	4.30	1.89
19	2.12	9.57	11.20	7.26	16.14	10.87	6.83	3.72	3.53	3.50	4.24	1.88
20	2.13	8.78	10.93	6.35	15.54	11.63	6.65	3.61	3.59	3.21	4.09	1.85
21	2.08	8.22	9.34	5.97	15.42	11.62	6.37	4.19	3.68	3.03	3.79	1.82
22	2.09	6.62	7.43	7.09	15.22	11.21	5.98	7.59	3.52	3.04	3.35	1.80
23	2.11	5.19	6.66	8.85	14.96	10.60	5.59	9.28	3.32	3.05	3.03	2.00
24	2.15	4.75	6.49	8.55	14.54	10.06	5.22	9.45	3.22	4.30	2.79	3.40
25	5.30	5.61	6.48	7.63	14.87	9.49	4.82	10.04	3.26	4.82	2.62	4.54
26	12.00	6.68	6.50	6.70	15.94	8.64	7.48	11.69	3.27	4.25	2.63	3.64
27	13.83	6.45	6.54	5.95	17.19	7.66	11.15	12.16	3.22	3.94	2.59	3.39
28	13.30	5.62	6.44	8.46	18.63	7.88	12.26	12.24	3.83	3.48	2.44	2.93
29	12.36	4.81	6.74	12.43	---	8.30	13.43	11.86	4.36	3.17	2.32	2.57
30	11.22	4.51	6.51	13.64	---	7.78	13.71	10.45	4.27	3.28	2.27	2.35
31	9.02	---	5.71	13.70	---	7.33	---	9.66	---	3.32	2.24	---
TOTAL	160.61	160.57	180.71	247.70	399.25	377.94	231.17	236.23	151.25	125.14	107.58	70.77
MEAN	5.18	5.35	5.83	7.99	14.26	12.19	7.71	7.62	5.04	4.04	3.47	2.36
MAX	13.83	9.57	11.20	13.70	18.63	19.52	13.71	13.08	9.75	6.13	5.34	4.54
MIN	2.08	3.11	2.92	4.76	9.14	7.33	4.82	3.61	3.22	3.03	2.24	1.80

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 32°19'38", long 94°21'12", 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 sea level. Prior to Oct. 1, 1978, at site 12.4 mi upstream at datum 14.18 ft higher. Prior to Sept. 21, 1945, nonrecording gage.

REMARKS.--No estimated daily discharges. Records good. Since water year 1961, at least 10% of contributing drainage area has been regulated by eight major upstream reservoirs, with a combined capacity of 1,701,000 acre-ft. There are several diversions above this station and below Lake Tawakoni for municipal, industrial and for oil field operations. Low flows are sustained by wastewater effluents that are returned to the river above the station. Flow may also be slightly affected at times by discharge from one floodwater-retarding structure with a detention capacity of 3,570 acre-ft. This structure controls runoff from a 9.70 mi² area in the Mill Creek drainage basin. Rain gage at station. Satellite telemeter 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 1884, that of Apr. 4, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of about 2 ft lower than flood of Apr. 4, 1945. These dates and gage heights are based on information for stations near Tatum (08022000, discontinued) and at Logansport, La. (08022500).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1020	480	5760	1390	1870	14400	9040	11700	1960	1270	235	186
2	776	481	6360	1140	1660	15000	7870	11400	1720	1060	236	167
3	600	502	5780	980	1540	16200	6200	11200	1690	893	206	213
4	491	415	4750	903	2020	17300	4620	11000	1760	793	191	200
5	411	377	4040	847	2680	17100	9870	10900	1680	681	200	176
6	366	373	3540	796	2110	16700	11800	11100	1440	608	176	150
7	319	411	2980	915	2090	16100	9200	11500	1200	999	184	138
8	280	768	2270	1660	3710	15400	6870	11900	969	6340	262	148
9	241	886	1640	4240	4250	14500	6040	12300	815	7450	1150	154
10	210	735	1270	5510	3490	14100	6010	12500	1090	6510	1790	149
11	208	608	1100	4350	3010	13500	6200	12500	2060	5740	1480	128
12	200	583	1000	3360	3640	13200	6860	12400	1850	4230	1310	118
13	175	577	899	3250	9960	13300	7100	11900	1770	2440	1520	127
14	173	505	800	3200	13200	14000	7260	11200	3430	1570	1850	130
15	182	458	768	3190	12700	14100	7610	9660	5950	1250	2030	119
16	159	411	1830	3130	11800	13500	8000	6700	3840	1050	1980	108
17	153	372	3840	2750	10400	13200	8350	3310	2880	821	1860	119
18	150	389	4000	2110	9170	12700	8690	2000	3770	702	1710	129
19	144	442	3490	1770	8160	12200	8960	1610	3290	644	1360	127
20	130	447	3320	1610	7650	11900	9130	1550	2600	556	923	136
21	129	439	3270	1570	9040	11500	9180	1980	2410	480	623	182
22	1290	459	3240	1690	11000	11100	9150	1680	2380	429	546	136
23	3280	451	3090	1790	11500	10900	9050	1260	2550	373	503	133
24	2950	480	2820	3090	11500	10800	8740	1150	2780	323	457	169
25	1730	1330	2580	4070	11900	10900	7980	1280	2800	326	333	229
26	1390	2310	2190	3680	12600	11200	7770	1400	2700	321	305	185
27	1230	2430	2070	2840	13500	11300	7850	1640	2310	289	271	185
28	1030	2380	2110	2870	14300	11100	10300	9800	1760	273	234	180
29	846	2750	1980	3130	---	10900	12700	10700	1460	281	215	171
30	706	4040	1860	2640	---	10500	12400	5530	1370	264	223	171
31	577	---	1680	2180	---	9890	---	2670	---	234	210	---
TOTAL	21546	27289	86327	76651	210450	408490	250800	227420	68284	49200	24573	4663
MEAN	695	910	2785	2473	7516	13180	8360	7336	2276	1587	793	155
MAX	3280	4040	6360	5510	14300	17300	12700	12500	5950	7450	2030	229
MIN	129	372	768	796	1540	9890	4620	1150	815	234	176	108
AC-FT	42740	54130	171200	152000	417400	810200	497500	451100	135400	97590	48740	9250

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1997#, BY WATER YEAR (WY)

MEAN	604	1639	3198	3111	3936	4527	4021	4924	2813	964	332	428
MAX	4325	8221	9866	10960	11930	13180	11330	21010	11580	3834	1725	3434
(WY)	1974	1975	1975	1992	1975	1997	1990	1966	1989	1992	1979	1974
MIN	42.5	82.1	144	239	322	317	355	317	77.5	32.1	36.7	33.8
(WY)	1964	1964	1966	1964	1996	1996	1971	1972	1971	1964	1969	1985

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1961 - 1997#	
ANNUAL TOTAL	252351	1455693			2534	
ANNUAL MEAN	689		3988		4857	1992
HIGHEST ANNUAL MEAN					311	1964
LOWEST ANNUAL MEAN					48100	May 2 1966
HIGHEST DAILY MEAN	6360	Dec 2	17300	Mar 4	2.4	Aug 11 1964
LOWEST DAILY MEAN	67	Jul 5	108	Sep 16	3.8	Aug 7 1964
ANNUAL SEVEN-DAY MINIMUM	76	Jul 3	121	Sep 11	49400	May 2 1966
INSTANTANEOUS PEAK FLOW			17900	Mar 4	38.87	Mar 30 1989
INSTANTANEOUS PEAK STAGE			28.33	Mar 4		
ANNUAL RUNOFF (AC-FT)	500500		2887000		1836000	
10 PERCENT EXCEEDS	1820		11700		7480	
50 PERCENT EXCEEDS	369		1850		870	
90 PERCENT EXCEEDS	141		185		91	

Period of regulated streamflow

SABINE RIVER MAIN STEM

08022500 SABINE RIVER AT LOGANSPOUT, LA

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, Louisiana-Shelby County, Texas State line at Logansport, Hydrologic Unit 12010004, on left bank just upstream from bridge on U.S. Highway 84, 3 mi upstream from Bayou Castor, 111 mi upstream from Toledo Bend Dam, and at mile 267.1.

DRAINAGE AREA.--4,842 mi²

PERIOD OF RECORD.--Gage-height record March 1968 to current year. Daily discharge record July 1903 to February 1968.

REVISED RECORDS.--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft above National Geodetic Vertical Datum of 1929. July 1, 1903, to Sept. 30, 1956, nonrecording gage, Oct. 1, 1956, to Jan. 16, 1964, water-stage recorder 4,600 ft upstream Jan. 16, 1964, to Dec. 10, 1968, water-stage recorder 4,700 ft upstream. All gages to present datum except prior to Dec. 31, 1906 when datum was 2.00 ft lower.

REMARKS.--Gage-height records good, except those for missing periods, which were not published. Station discontinued as a daily streamflow station on Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Ten major reservoirs, with a combined capacity of 1,824,000 acre-ft, largely regulate the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08018500. Numerous diversions above station for oil field operations, municipal, and industrial uses. Gage-height telemeter at station.

AVERAGE DISCHARGE.--64 years (water years 1904-67), 3,208 ft³/s (2,324,000 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (1968-91), 34.78 ft Apr. 16, 1991; minimum since initial filling of Toledo Bend Reservoir in June 1968, 16.85 ft Nov. 9, 1987. Maximum discharge (1903-67), 92,000 ft³/s Apr. 8, 1945 (gage height, 44.07 ft, from floodmark); minimum, 16 ft³/s Sept. 26-28, Oct. 3, 4, 1939. Maximum stage since at least 1884, that of Apr. 8, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of 39.4 ft, present site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.44 ft Mar. 11 at 1330 hours; minimum, 17.29 ft at 0230 on Oct. 22.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.96	19.48	17.96	18.39	19.98	26.14	23.33	23.02	24.99	23.30	24.05	22.46
2	17.51	19.57	17.93	18.42	19.82	26.14	23.32	23.11	24.88	23.14	24.10	22.61
3	17.60	19.68	18.10	18.15	19.99	26.05	22.70	23.42	24.61	23.10	24.27	22.52
4	17.74	19.86	18.02	18.19	19.82	25.84	22.74	23.63	24.48	23.12	24.23	22.52
5	17.74	19.71	17.92	18.54	19.71	25.90	22.51	23.82	24.47	23.09	24.09	22.64
6	17.72	19.44	17.82	18.12	19.78	25.92	22.55	23.98	24.32	23.00	23.81	22.25
7	17.71	18.54	17.78	17.79	19.88	25.87	22.68	23.96	24.22	23.09	23.67	22.19
8	17.67	17.99	17.72	18.06	19.91	25.75	22.81	23.90	24.30	22.97	24.01	22.06
9	17.54	17.81	18.08	18.18	19.67	26.06	22.81	23.91	24.32	22.90	24.09	21.90
10	17.72	17.73	17.86	18.07	21.42	26.34	22.87	23.95	24.23	22.95	23.97	21.83
11	17.82	17.77	17.95	18.08	22.83	26.35	22.87	24.03	24.13	22.78	23.92	21.79
12	17.87	17.76	18.28	18.06	22.51	26.20	22.86	24.06	24.16	22.98	23.75	21.74
13	17.79	17.78	18.10	18.07	22.27	26.10	23.11	24.24	24.08	23.00	23.65	21.68
14	17.91	17.80	18.26	18.11	22.11	26.07	23.28	24.43	24.11	22.74	23.67	21.63
15	17.88	17.81	18.43	18.22	21.90	26.02	23.23	24.46	23.99	22.86	23.45	21.52
16	17.84	17.86	18.56	18.44	21.78	25.90	23.47	24.74	23.90	22.91	23.43	21.43
17	17.82	18.35	18.59	18.27	21.67	25.88	23.48	24.90	23.77	23.15	23.38	21.35
18	18.00	19.00	18.59	18.34	21.75	25.60	23.39	25.19	23.69	23.33	23.45	21.32
19	18.02	18.80	18.75	18.47	21.72	25.50	23.27	25.46	23.70	23.33	23.33	21.27
20	17.84	18.28	18.58	18.26	21.74	25.26	23.23	25.56	23.64	23.44	23.38	21.16
21	17.65	18.10	18.78	18.29	22.19	24.95	23.11	25.47	23.65	23.53	23.27	21.12
22	17.90	18.07	18.75	18.30	23.44	24.82	23.13	25.22	23.75	23.46	23.48	20.62
23	18.29	18.12	18.87	18.34	24.02	24.70	23.08	25.03	23.80	23.49	23.45	21.00
24	18.47	17.99	18.86	18.44	24.66	24.40	23.18	24.91	23.52	23.62	23.40	20.71
25	18.54	17.95	18.86	18.50	24.91	24.36	23.22	24.94	23.67	23.74	23.32	20.74
26	18.61	17.99	19.02	18.69	25.52	24.35	23.14	24.79	23.69	23.73	23.32	20.66
27	18.72	18.16	18.91	19.83	25.90	23.97	23.19	24.78	23.58	23.61	23.12	20.59
28	19.00	18.12	18.64	20.67	25.91	23.83	23.04	24.82	23.42	23.73	22.78	20.48
29	18.90	18.03	18.58	20.96	---	23.84	23.10	24.99	23.39	23.84	22.72	20.43
30	18.81	17.99	18.53	20.59	---	23.46	22.78	24.88	23.25	23.86	22.70	20.36
31	19.21	---	18.55	20.24	---	23.42	---	24.91	---	23.98	22.58	---
MAX	19.21	19.86	19.02	20.96	25.91	26.35	23.48	25.56	24.99	23.98	24.27	22.64
MIN	17.51	17.73	17.72	17.79	19.67	23.42	22.51	23.02	23.25	22.74	22.58	20.36

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW 1/4 SE 1/4 sec. 6, T. 11 N., R. 15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi upstream from Bayou Castor, 2.9 mi west of Stanley, and 3.2 mi east of Logansport.

DRAINAGE AREA.--72.5 mi².

PERIOD OF RECORD.--January 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft above sea level.

REMARKS.-- Records good except estimated daily discharges 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. 25	0430	1,710	11.52	Apr. 5	1830	4,180	13.27
Feb. 13	1930	2,650	12.34	May 3	0800	4,690	13.52
Feb. 22	1200	964	10.57	May 29	1900	1,890	11.70
Mar. 3	0100	*8,790	15.12	Aug. 10	0530	2,430	12.17
Mar. 14	1530	852	10.38				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	e.00	44	3.6	4.6	48	2.0	16	12	1.7	.09	1.6
2	e1.0	e.00	24	1.9	3.6	3200	1.5	644	3.9	1.0	e.00	3.2
3	e.40	e.00	4.6	1.3	3.1	4190	1.1	3070	2.4	.83	e.00	12
4	e.00	e.00	2.4	.98	40	919	65	994	1.7	.71	e.00	5.5
5	e.00	e.00	1.7	.90	91	352	2490	280	1.4	.62	e.00	3.5
6	e.00	e.00	1.2	.83	18	176	1840	17	1.3	.56	e.00	2.6
7	e.00	e.70	1.0	2.3	86	187	610	5.6	1.2	.61	e.00	2.3
8	e.00	6.0	.95	103	482	41	84	3.1	1.1	e.30	.22	2.1
9	e.00	7.9	e.70	474	593	17	12	2.1	7.3	e.00	998	1.7
10	e.00	6.7	e.60	545	198	13	5.3	1.4	17	e.00	1900	1.7
11	e.00	5.5	e.50	253	34	12	36	1.1	45	e.00	782	2.0
12	e.00	e1.8	e.50	9.4	185	12	337	.94	5.0	e.00	142	1.9
13	e.00	e.00	e.40	2.8	1880	312	248	.87	2.1	.29	7.8	1.5
14	e.00	e.00	e.40	1.7	1450	769	29	.81	11	e.00	4.5	1.3
15	e.00	e.00	.89	2.0	592	494	6.5	.75	21	e.00	3.5	1.0
16	e.00	e.00	7.6	9.6	109	56	3.2	.70	5.8	e.00	3.0	e.80
17	e.00	e.00	100	8.5	25	16	2.1	.66	4.8	e.00	2.6	e.70
18	e.00	e.40	101	2.3	13	156	1.4	.74	34	e.00	2.3	e.60
19	e.00	e1.0	10	1.3	8.8	619	1.1	.92	14	.19	2.1	e.50
20	e.00	e.20	2.7	.99	24	485	.95	1.1	2.7	e.20	1.9	e.50
21	e.00	e.00	1.7	.94	623	70	.92	27	1.4	e.00	1.8	e.40
22	e1.6	e.00	1.4	1.4	873	15	.88	160	.98	e.00	2.8	.76
23	5.1	e.00	1.1	9.2	426	6.8	1.6	82	.89	.12	4.1	1.2
24	5.2	e2.0	.98	869	39	3.9	2.9	6.7	.82	e.20	3.5	1.3
25	3.3	11	.93	1330	88	40	1.5	21	.77	e.00	2.8	1.1
26	e.70	21	.93	522	344	454	32	9.7	.78	e.00	2.3	e.80
27	e.00	5.3	1.1	56	430	604	158	3.3	.74	e.00	2.1	1.2
28	e.00	2.9	2.8	25	201	139	296	86	.78	.04	1.9	e.70
29	e.00	2.4	4.1	24	---	14	412	1350	4.3	e.20	1.8	e.00
30	e.00	9.5	35	11	---	5.5	234	1060	5.6	e.00	1.6	e.00
31	e.00	---	32	6.3	---	2.9	---	290	---	e.00	1.5	---

e Estimated

TOTAL	19.30	84.30	387.18	4280.24	8864.1	13429.1	6915.95	8137.49	211.76	7.57	3876.21	54.46
MEAN	.62	2.81	12.5	138	317	433	231	262	7.06	.24	125	1.82
MAX	5.2	21	101	1330	1880	4190	2490	3070	45	1.7	1900	12
MIN	.00	.00	.40	.83	3.1	2.9	.88	.66	.74	.00	.00	.00
AC-FT	38	167	768	8490	17580	26640	13720	16140	420	15	7690	108
CFSM	.01	.04	.17	1.90	4.37	5.98	3.18	3.62	.10	.00	1.72	.03
IN.	.01	.04	.20	2.20	4.55	6.89	3.55	4.18	.11	.00	1.99	.03

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1997, BY WATER YEAR (WY)

MEAN	17.6	34.8	105	130	214	137	110	106	84.4	19.5	10.4	1.37
MAX	128	220	376	450	514	433	451	388	433	290	125	8.36
(WY)	1985	1987	1983	1991	1987	1997	1991	1990	1989	1989	1997	1996
MIN	.000	.000	.036	.39	1.94	.90	.49	.043	.033	.000	.000	.000
(WY)	1991	1996	1982	1981	1996	1996	1981	1996	1996	1984	1985	1982

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1981 - 1997

ANNUAL TOTAL	1413.72	46267.66	
ANNUAL MEAN	3.86	127	80.1
HIGHEST ANNUAL MEAN			156
LOWEST ANNUAL MEAN			3.90
HIGHEST DAILY MEAN	227	Aug 30	4190
LOWEST DAILY MEAN	.00	many days	.00
ANNUAL SEVEN-DAY MINIMUM	.00	many days	.00
INSTANTANEOUS PEAK FLOW			8790
INSTANTANEOUS PEAK STAGE			15.12
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	2800		91776
ANNUAL RUNOFF (CFSM)	.053		1.76
ANNUAL RUNOFF (INCHES)	.73		23.84
10 PERCENT EXCEEDS	5.2		347
50 PERCENT EXCEEDS	.77		2.1
90 PERCENT EXCEEDS	.00		.00

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.52	4.76	6.25	4.73	4.41	5.99	4.07	5.05	4.90	3.91	3.13	3.61
2	4.43	4.79	5.72	4.49	4.30	11.68	3.97	7.38	4.33	3.75	3.09	3.79
3	4.37	4.79	4.84	4.37	4.24	12.99	3.89	12.55	4.14	3.64	3.07	4.46
4	4.46	4.77	4.58	4.29	5.57	10.45	5.02	10.56	4.03	3.56	3.03	4.09
5	4.51	4.77	4.46	4.23	6.68	8.62	11.95	7.95	3.96	3.49	3.00	3.88
6	4.55	4.78	4.36	4.18	5.14	7.58	11.55	5.11	3.93	3.45	2.97	3.78
7	4.57	4.89	4.30	4.52	5.95	7.63	9.75	4.50	3.91	3.48	2.97	3.72
8	4.58	4.97	4.26	6.72	9.35	5.83	6.36	4.24	3.88	3.46	3.20	3.69
9	4.59	5.09	4.22	9.37	9.78	5.17	4.91	4.09	4.50	3.40	9.13	3.62
10	4.58	5.01	4.19	9.65	7.50	4.98	4.47	3.97	5.11	3.29	11.68	3.62
11	4.59	4.92	4.20	7.98	5.68	4.94	5.03	3.87	5.86	3.27	10.18	3.68
12	4.60	4.86	4.19	5.14	6.93	4.92	8.67	3.82	4.42	3.26	6.42	3.65
13	4.59	4.84	4.17	4.63	11.60	8.20	8.05	3.77	4.10	3.26	4.26	3.59
14	4.59	4.82	4.15	4.47	11.18	10.22	5.48	3.73	4.84	3.24	4.00	3.52
15	4.58	4.82	4.21	4.51	9.71	9.32	4.57	3.69	5.29	3.22	3.89	3.47
16	4.57	4.83	4.92	5.15	6.76	6.06	4.25	3.65	4.48	3.19	3.83	3.42
17	4.57	4.84	7.02	5.10	5.42	5.08	4.10	3.62	4.41	3.18	3.77	3.37
18	4.58	4.85	7.01	4.56	4.95	6.35	3.96	3.68	5.63	3.18	3.73	3.35
19	4.56	4.85	5.15	4.38	4.74	9.87	3.87	3.81	4.90	3.19	3.69	3.34
20	4.56	4.84	4.62	4.29	5.21	9.34	3.82	3.86	4.18	3.18	3.67	3.31
21	4.57	4.86	4.47	4.26	9.68	6.26	3.81	5.03	3.96	3.16	3.64	3.30
22	4.71	4.86	4.39	4.39	10.41	5.06	3.78	7.43	3.84	3.15	3.77	3.29
23	4.88	4.88	4.34	4.89	8.94	4.60	3.96	6.23	3.78	3.15	3.95	3.47
24	4.90	4.94	4.29	10.11	5.76	4.33	4.21	4.57	3.73	3.12	3.89	3.54
25	4.70	5.24	4.25	11.06	6.51	5.12	3.98	5.31	3.70	3.10	3.80	3.48
26	4.63	5.66	4.25	9.41	8.70	9.21	5.38	4.78	3.70	3.09	3.73	3.50
27	4.70	4.90	4.32	6.02	9.15	9.81	7.42	4.26	3.68	3.08	3.70	3.52
28	4.71	4.65	4.63	5.43	7.70	6.89	8.41	5.79	3.70	3.09	3.67	3.51
29	4.72	4.58	4.79	5.41	---	5.01	9.06	10.94	4.11	3.07	3.63	3.49
30	4.71	5.12	5.96	4.89	---	4.49	7.75	10.67	4.36	3.05	3.60	3.49
31	4.72	---	5.87	4.56	---	4.22	---	7.97	---	3.12	3.58	---
MAX	4.90	5.66	7.02	11.06	11.60	12.99	11.95	12.55	5.86	3.91	11.68	4.46
MIN	4.37	4.58	4.15	4.18	4.24	4.22	3.78	3.62	3.68	3.05	2.97	3.29

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.--Records good. The reservoir is formed by a rolled earthfill dam. Closure of embankment completed and deliberate impoundment began Oct. 3, 1966. The reservoir is operated for hydro-electric power generation and water conservation. Releases during high inflow periods are controlled by eleven 40 x 28-foot tainter gates. An 8.33 x 12-foot gated conduit through the dam is used for low-flow releases. Two additional 20-inch-diameter conduits, that bypass the larger conduit, may also be used for low-flow releases. Water for turbines is admitted through four 16.75 x 29-foot penstocks and controlled by vertically operated caterpillar-type gates. The capacity table is based on U.S. Geological Survey topographic maps. For statement regarding regulation by upstream reservoirs, see station 08020000. Figures given herein represent total contents. Satellite telemeter at station. 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 and Oct. 20, 1994 (elevation, 164.78 ft).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,535,000 acre-ft Jan. 6 at 1830 hours (elevation, 166.40 ft); minimum, 3,290,000 acre-ft Aug. 26 (elevation, 164.78 ft).

Capacity table (elevation, in feet, and total contents, in acre-feet)

164.0	3,175,000	170.0	4,123,000	173.0	4,660,000
166.0	3,473,000	172.0	4,476,000	174.0	4,849,000
168.0	3,788,000				

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3428000	3455000	3509000	3816000	4091000	4614000	4570000	4614000	4542000	4493000	4294000	4189000
2	3437000	3447000	3510000	3811000	4070000	4658000	4570000	4658000	4542000	4493000	4273000	4179000
3	3441000	3429000	3543000	3806000	4065000	4692000	4559000	4642000	4509000	4487000	4273000	4189000
4	3441000	3425000	3538000	3831000	4075000	4703000	4542000	4636000	4482000	4487000	4257000	4168000
5	3437000	3429000	3547000	3851000	4045000	4703000	4653000	4614000	4465000	4460000	4236000	4158000
6	3437000	3411000	3575000	3861000	4030000	4636000	4743000	4614000	4465000	4471000	4210000	4126000
7	3432000	3456000	3594000	3841000	4065000	4631000	4732000	4581000	4460000	4455000	4215000	4126000
8	3432000	3449000	3591000	3861000	4060000	4636000	4703000	4575000	4455000	4449000	4194000	4126000
9	3423000	3431000	3582000	3838000	4081000	4642000	4658000	4581000	4460000	4460000	4252000	4126000
10	3423000	3426000	3582000	3870000	4086000	4653000	4603000	4559000	4465000	4449000	4326000	4111000
11	3414000	3431000	3591000	3894000	4081000	4642000	4625000	4548000	4455000	4449000	4347000	4096000
12	3414000	3431000	3605000	3900000	4168000	4636000	4570000	4570000	4433000	4455000	4352000	4081000
13	3414000	3431000	3605000	3900000	4278000	4664000	4537000	4537000	4465000	4455000	4358000	4070000
14	3405000	3432000	3595000	3938000	4320000	4675000	4531000	4526000	4455000	4455000	4336000	4070000
15	3405000	3414000	3642000	3938000	4347000	4642000	4537000	4515000	4455000	4449000	4320000	4065000
16	3401000	3423000	3652000	3940000	4369000	4620000	4542000	4515000	4449000	4433000	4315000	4050000
17	3423000	3450000	3710000	3992000	4369000	4614000	4537000	4498000	4487000	4433000	4331000	4035000
18	3405000	3432000	3710000	3970000	4401000	4642000	4531000	4482000	4493000	4417000	4315000	4024000
19	3387000	3437000	3690000	3963000	4401000	4653000	4537000	4476000	4509000	4406000	4299000	4014000
20	3378000	3429000	3681000	3953000	4428000	4625000	4531000	4471000	4504000	4412000	4310000	3994000
21	3378000	3452000	3690000	3960000	4515000	4608000	4531000	4449000	4515000	4390000	4294000	4009000
22	3396000	3434000	3705000	3965000	4498000	4597000	4548000	4455000	4509000	4379000	4310000	3984000
23	3396000	3425000	3762000	3994000	4504000	4581000	4553000	4449000	4509000	4358000	4294000	4014000
24	3405000	3456000	3753000	4030000	4553000	4564000	4548000	4471000	4515000	4358000	4288000	4055000
25	3423000	3479000	3734000	4035000	4564000	4608000	4592000	4465000	4509000	4342000	4278000	4040000
26	3423000	3462000	3767000	4050000	4586000	4603000	4581000	4465000	4504000	4347000	4267000	4019000
27	3432000	3467000	3758000	4179000	4603000	4586000	4597000	4504000	4509000	4336000	4252000	4014000
28	3428000	3467000	3762000	4116000	4603000	4597000	4597000	4504000	4509000	4326000	4231000	4014000
29	3441000	3485000	3786000	4116000	---	4581000	4586000	4504000	4498000	4304000	4215000	4009000
30	3441000	3504000	3801000	4111000	---	4608000	4614000	4509000	4498000	4326000	4210000	4009000
31	3432000	---	3811000	4091000	---	4586000	---	4537000	---	4310000	4194000	---
MAX	3441000	3504000	3811000	4179000	4603000	4703000	4743000	4658000	4542000	4493000	4358000	4189000
MIN	3378000	3411000	3509000	3806000	4030000	4564000	4531000	4449000	4433000	4304000	4194000	3984000
(+)	165.73	166.20	168.14	169.81	172.69	172.60	172.75	172.33	172.12	171.07	170.41	169.33
(@)	+13000	+72000	+307000	+280000	+512000	-17000	+28000	-77000	-39000	-188000	-116000	-185000
CAL YR 1996			MAX 3811000			MIN 3315000				(@) +352000		
WTR YR 1997			MAX 4743000			MIN 3378000				(@) +590000		

(+)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.

REMARKS.--No estimated daily discharges. Records fair.Daily discharges are a combination of releases from various outlets at the dam. Discharges for releases through the turbines are computed using scroll case differential relationships and operation logs.Taintergate releases, low-flow sluiceway releases, bypass gate releases, and turbine leakages are based on discharge measurements and operation logs.Since installation of gage in 1972, at least 10% of contributing drainage area has been regulated by Toledo Bend Reservoir (station 08025350). Satellite telemeter at gage.

GAGE.--Water-stage recorders. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	1110	204	204	9180	20000	16800	14800	6820	4340	6440	3600
2	697	204	828	204	8500	30300	13400	16600	6750	1960	6060	3400
3	174	204	204	204	9450	41100	11900	23200	9780	1280	204	3820
4	1020	820	204	204	8620	47300	10400	31000	13900	1310	6740	3500
5	174	204	1100	204	8770	49900	22800	31900	13400	2750	6400	3800
6	174	819	204	204	9500	50400	34900	28000	9690	174	6440	3420
7	711	204	204	204	8820	35800	43900	25800	174	4550	4480	174
8	174	976	204	204	204	25900	45800	24600	174	5330	7170	3830
9	691	204	785	204	204	25200	45800	21800	2890	5000	6100	3920
10	174	204	204	204	4040	24900	42500	17700	3110	5120	204	3820
11	860	860	204	204	6830	25000	38200	14200	3470	4970	6420	4250
12	174	204	1090	204	10100	25000	34800	14000	3110	4830	6450	4110
13	174	785	204	204	11400	27500	24900	13900	3510	204	6560	4170
14	780	204	204	204	11000	34000	9050	14600	204	4690	6440	174
15	174	1300	204	204	13400	37900	6650	14900	204	4940	6240	3920
16	760	204	769	204	12800	34000	6420	14900	3320	4860	6080	3890
17	153	204	204	2500	13300	27800	6530	14800	3480	4940	204	4030
18	894	797	204	2420	13200	25200	6520	14800	552	5020	8440	3120
19	144	204	992	2340	13700	27800	6520	14800	174	3570	3760	4130
20	144	773	204	2430	14000	31800	6550	14800	378	204	6420	4910
21	580	204	204	2790	13800	27600	6610	14400	204	4940	6650	271
22	174	1050	204	2360	13600	25400	6580	7070	204	5380	6340	3960
23	651	204	204	1850	13400	21700	6600	3060	3120	5290	6080	152
24	174	204	204	2360	13500	19900	6600	242	2690	5190	204	144
25	1010	735	204	2290	14200	20000	6580	224	3340	5360	6860	144
26	174	204	204	2380	18300	20200	9810	284	3050	2920	6490	144
27	174	793	204	2300	20100	20200	11700	163	2580	174	6180	144
28	722	204	204	4410	20000	20100	11600	3250	204	5250	7000	144
29	174	1110	204	6110	---	20100	11700	6200	204	5260	6220	890
30	429	204	511	10900	---	15700	11600	6340	4640	6900	4520	174
31	204	---	204	9080	---	16800	---	6660	---	5200	204	---
TOTAL	12886	15396	10971	59784	313918	874500	523720	428993	105326	121906	164000	76155
MEAN	416	513	354	1929	11210	28210	17460	13840	3511	3932	5290	2539
MAX	1020	1300	1100	10900	20100	50400	45800	31900	13900	6900	8440	4910
MIN	144	204	204	204	204	15700	6420	163	174	174	204	144
AC-FT	25560	30540	21760	118600	622700	1735000	1039000	850900	208900	241800	325300	151100

SABINE RIVER MAIN STEM

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1997#, BY WATER YEAR (WY)

MEAN	1188	2202	5386	8749	9671	10520	8455	8248	6147	4692	3640	2988
MAX	6809	13340	17720	27680	20510	28210	19270	22170	24960	18790	6732	7323
(WY)	1992	1995	1975	1974	1975	1997	1991	1991	1989	1989	1976	1991
MIN	59.0	50.7	74.5	90.0	339	231	247	311	508	493	470	424
(WY)	1976	1976	1976	1978	1981	1972	1978	1984	1996	1996	1996	1983

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1972 - 1997#	
ANNUAL TOTAL	179189		2707555		5975	
ANNUAL MEAN	490		7418		10370	
HIGHEST ANNUAL MEAN					517	
LOWEST ANNUAL MEAN					1995	
HIGHEST DAILY MEAN	3970	Jan 19	50400	Mar 6	114000	May 19 1989
LOWEST DAILY MEAN	144	Oct 19	144	Oct 19	30	Oct 1 1972
ANNUAL SEVEN-DAY MINIMUM	204	Jan 1	204	Dec 20	34	Nov 21 1975
ANNUAL RUNOFF (AC-FT)	355400		5370000		4328000	
10 PERCENT EXCEEDS	984		22200		14900	
50 PERCENT EXCEEDS	204		3800		3800	
90 PERCENT EXCEEDS	204		204		130	

Period of regulated streamflow.

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56, in SW 1/4 sec. 20, T. 4 N., R. 11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on state highway 473, 0.2 mi upstream from Hamby Creek, 2.5 mi northeast of Toro, and 7.8 mi west of Hornbeck.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--October 1955 to September 1986, October 1988 to current year.

GAGE.--Water-sage recorder. Datum of gage is 138.00 ft above sea level (levels by Louisiana Department of Transportation and Development). Nonrecording gage at same site and datum read once daily from Dec. 2, 1985 to May 15, 1986 and twice daily May 16, 1986 to Sept. 30, 1986. Prior to Dec. 2, 1985 at site 500 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor.

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)
Feb. 14	0600	*3,430	*17.54	Feb. 25	1000	2,080	13.57

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	11	121	75	93	345	87	102	627	11	15	12
2	13	9.7	86	58	78	296	76	80	183	9.5	11	11
3	10	7.9	45	48	67	341	70	e60	64	8.2	7.2	8.5
4	9.1	6.9	30	41	60	261	89	e47	e65	7.4	5.7	14
5	8.2	6.8	24	36	53	190	1320	e37	e53	6.7	4.8	14
6	7.7	6.9	20	31	45	160	1160	e29	e44	6.1	4.6	9.7
7	7.4	7.6	18	27	65	139	323	e24	e38	35	4.4	e6.3
8	6.8	8.5	16	26	340	122	157	e22	e33	57	5.4	e4.6
9	6.3	14	15	35	231	112	120	e19	e29	27	12	e3.8
10	5.6	15	14	59	117	104	102	e17	e28	45	117	e3.3
11	5.2	11	13	47	89	99	95	e17	e27	59	74	e3.0
12	4.9	9.0	12	34	758	98	534	e16	e26	24	23	e2.8
13	4.5	8.0	13	32	3020	1030	510	e15	e25	17	15	e2.6
14	4.2	7.4	13	35	3080	1240	182	e15	e24	11	11	e2.5
15	4.1	7.2	14	102	1390	466	123	e14	e24	9.0	9.1	e2.4
16	4.0	7.3	359	392	320	210	102	e14	e24	7.5	7.7	e2.3
17	4.0	7.4	926	188	220	159	e80	e14	e63	6.7	6.8	e2.3
18	4.0	8.8	351	92	177	139	e70	e14	65	6.4	6.5	e2.3
19	4.1	9.1	111	66	154	217	e60	e14	e56	6.6	6.5	e2.3
20	4.3	12	69	55	156	236	e55	e74	e30	6.2	6.7	e2.3
21	4.8	11	52	48	1440	157	e51	272	e22	6.1	6.9	e2.3
22	4.5	10	44	327	1290	126	e47	346	e18	5.6	7.9	e4.4
23	4.2	8.9	40	387	521	108	e45	107	e17	5.1	16	e9.6
24	5.2	18	37	157	227	96	e43	73	e16	5.2	43	21
25	17	243	34	110	1760	111	e90	133	e15	5.5	24	36
26	64	134	40	75	1780	899	479	121	e15	4.9	14	22
27	62	54	84	58	1560	744	576	65	10	7.0	11	14
28	27	30	91	730	661	239	276	373	18	5.3	8.7	11
29	16	23	95	723	---	160	214	800	12	4.7	8.3	10
30	13	40	209	203	---	122	142	179	13	52	8.2	9.8
31	11	---	124	123	---	99	---	111	---	28	8.2	---
TOTAL	365.1	753.4	3120	4420	19752	8825	7278	3224	1684	495.7	509.6	252.1
MEAN	11.8	25.1	101	143	705	285	243	104	56.1	16.0	16.4	8.40
MAX	64	243	926	730	3080	1240	1320	800	627	59	117	36
MIN	4.0	6.8	12	26	45	96	43	14	10	4.7	4.4	2.3
AC-FT	724	1490	6190	8770	39180	17500	14440	6390	3340	983	1010	500
CFSM	.08	.17	.68	.96	4.77	1.92	1.64	.70	.38	.11	.11	.06
IN.	.09	.19	.78	1.11	4.96	2.22	1.83	.81	.42	.12	.13	.06

e Estimated

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1997, BY WATER YEAR (WY)

MEAN	51.3	71.6	176	287	323	264	253	200	118	59.4	28.9	52.0
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	22.3	18.0	13.1	9.33	4.14	2.62	.92	.76
(WY)	1964	1982	1982	1981	1996	1996	1981	1963	1971	1956	1956	1956

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1956 - 1997		
ANNUAL TOTAL	10973.2		50678.9				
ANNUAL MEAN	30.0		139		156		
HIGHEST ANNUAL MEAN					409		
LOWEST ANNUAL MEAN					23.2		
HIGHEST DAILY MEAN	926	Dec 17	3080	Feb 14	21600	Apr 9	1968
LOWEST DAILY MEAN	3.4	Sep 18	e2.3	Sep 16	.10	Sep 29	1956
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 13	e2.3	Sep 15	.13	Sep 27	1956
INSTANTANEOUS PEAK FLOW			3430	Feb 14	31200	Apr 9	1968
INSTANTANEOUS PEAK STAGE			17.54	Feb 14	25.73	Apr 9	1968
INSTANTANEOUS LOW FLOW			unknown		.10	Sep 29,30,Oct 1	1956
INSTANTANEOUS LOW STAGE			unknown		2.40	Sep 30, Oct 1	1956
ANNUAL RUNOFF (AC-FT)	21770		100500		113100		
ANNUAL RUNOFF (CFSM)	.20		.94		1.05		
ANNUAL RUNOFF (INCHES)	2.76		12.74		14.33		
10 PERCENT EXCEEDS	51		332		294		
50 PERCENT EXCEEDS	16		30		33		
90 PERCENT EXCEEDS	5.7		5.3		5.8		

e Estimated

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.61	3.34	5.05	4.59	4.80	6.56	4.62	4.79	7.94	3.53	3.66	3.32
2	3.41	3.27	4.70	4.36	4.62	6.29	4.50	4.54	5.61	3.46	3.51	3.28
3	3.30	3.18	4.15	4.21	4.50	6.54	4.43	---	4.65	3.40	3.35	3.17
4	3.24	3.13	3.87	4.10	4.40	6.06	4.61	---	---	3.36	3.26	3.37
5	3.20	3.12	3.73	4.00	4.30	5.57	10.73	---	---	3.32	3.20	3.39
6	3.18	3.13	3.63	3.90	4.17	5.33	10.18	---	---	3.29	3.19	3.22
7	3.16	3.17	3.56	3.82	4.40	5.13	6.38	---	---	3.90	3.18	---
8	3.13	3.21	3.51	3.79	6.51	4.97	5.29	---	---	4.53	3.24	---
9	3.10	3.42	3.47	3.97	5.89	4.88	4.96	---	---	3.99	3.54	---
10	3.06	3.48	3.43	4.38	5.03	4.81	4.79	---	---	4.23	5.16	---
11	3.03	3.33	3.40	4.20	4.76	4.75	4.71	---	---	4.54	4.71	---
12	3.01	3.24	3.38	3.97	7.70	4.74	7.44	---	---	3.92	3.88	---
13	2.98	3.19	3.39	3.92	16.41	9.54	7.36	---	---	3.73	3.62	---
14	2.96	3.16	3.39	3.98	16.54	10.50	5.50	---	---	3.54	3.45	---
15	2.95	3.15	3.44	4.72	10.95	7.14	4.99	---	---	3.44	3.37	---
16	2.95	3.15	6.26	6.82	6.41	5.72	4.79	---	---	3.36	3.29	---
17	2.94	3.16	9.26	5.59	5.79	5.32	---	---	---	3.32	3.22	---
18	2.95	3.23	6.53	4.78	5.47	5.14	---	---	4.66	3.30	3.19	---
19	2.95	3.24	4.96	4.47	5.27	5.75	---	---	---	3.31	3.18	---
20	2.97	3.37	4.51	4.33	5.28	5.90	---	---	---	3.29	3.17	---
21	3.00	3.33	4.28	4.21	11.29	5.30	---	5.93	---	3.28	3.17	---
22	2.98	3.29	4.14	6.24	10.70	5.02	---	6.51	---	3.26	3.20	---
23	2.96	3.24	4.07	6.77	7.38	4.84	---	4.83	---	3.23	3.50	---
24	3.03	3.43	4.02	5.38	5.84	4.73	---	4.45	---	3.23	4.11	3.52
25	3.49	5.96	3.97	4.97	12.39	4.83	---	5.08	---	3.25	3.72	3.90
26	4.43	5.15	4.07	4.59	12.53	9.11	7.07	4.96	---	3.21	3.42	3.58
27	4.41	4.30	4.69	4.37	11.72	8.44	7.70	4.35	3.49	3.34	3.29	3.33
28	3.81	3.88	4.77	8.32	8.08	5.91	6.16	6.28	3.76	3.24	3.20	3.21
29	3.52	3.70	4.80	8.36	---	5.32	5.74	8.72	3.57	3.20	3.18	3.17
30	3.41	4.05	5.77	5.72	---	4.97	5.16	5.43	3.60	4.17	3.17	3.17
31	3.33	---	5.09	5.09	---	4.75	---	4.85	---	4.01	3.17	---
MAX	4.43	5.96	9.26	8.36	16.54	10.50	---	---	---	4.54	5.16	---
MIN	2.94	3.12	3.38	3.79	4.17	4.73	---	---	---	3.20	3.17	---

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Texas-Vernon Parish, Louisiana State line, Hydrologic Unit 12010005, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft down-stream from Pearl Creek, 10 mi northeast of Burkeville, 16 mi downstream from Bayou Toro, and at mile 139.7.

DRAINAGE AREA.--7,482 mi².

PERIOD OF RECORD.--September 1955 to current year. Published as "below Toledo Bend near Burkeville" for period 1955-75. Water-quality records.--Chemical and biochemical analyses: May 1968 to September 1986. Pesticide analyses: October 1972 to September 1981.

REVISED RECORDS.--WSP 1732: Drainage area.

REMARKS.--No estimated daily discharges. Records good. Since water year 1960, at least 10% of contributing drainage area has been regulated by Lake Tawakoni and three additional upstream reservoirs. Since 1966, additional regulation by Toledo Bend Reservoir 16.8 mi. upstream. Telephone telemeter at station.

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.

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	697	768	524	486	9740	19800	16200	12800	7010	4940	5750	2100
2	517	699	1030	433	9240	22300	14700	16000	7210	3620	5660	2860
3	535	293	498	409	9540	31300	11800	18300	7800	1990	2720	3440
4	686	551	355	395	8960	35700	10700	26400	12700	1990	3760	3230
5	638	593	1160	377	9070	38900	16700	28700	13200	3090	5960	3180
6	250	767	502	365	9260	41200	28100	28700	11700	1920	5790	3140
7	484	421	345	374	8940	41300	34500	26200	3250	2990	4800	1630
8	523	789	327	382	4530	34100	37900	25400	909	4850	5160	2070
9	483	704	834	403	1210	28700	39600	23900	2100	4650	6230	3330
10	512	294	418	402	2550	25800	40000	19600	3570	4920	3140	3340
11	561	817	326	403	6200	24800	38800	15200	3720	4950	3940	3360
12	566	381	1050	396	8960	24500	36800	13900	3570	4250	5830	3590
13	229	773	452	417	18700	25900	33900	13700	3490	3180	5920	3480
14	469	374	322	418	14200	29800	20000	14000	2250	2820	5870	1860
15	519	1210	333	470	15600	33200	9710	14500	770	4600	5700	2050
16	460	467	1590	799	13300	33800	7630	14600	2060	4590	5620	3290
17	493	499	2040	2310	12600	30900	7360	14500	3540	4600	2790	3370
18	330	1160	1300	2950	12600	27100	7260	14300	2480	4640	3930	3150
19	474	468	1500	2950	12700	25800	7210	14200	955	3850	5580	3030
20	174	794	608	2970	13300	28700	7180	14300	849	2250	5350	3430
21	365	409	426	3730	15000	28800	7160	14300	929	2850	5870	2490
22	448	1110	402	3290	14500	26200	7130	10300	580	4660	6040	2160
23	433	457	391	3300	13700	23700	7110	3580	1900	4890	5690	1880
24	480	330	372	3350	13000	20400	7090	2410	3450	4860	2900	444
25	788	963	359	3350	17000	19600	7110	1560	3460	4770	3840	346
26	865	649	366	3100	19700	20600	8990	1240	3540	3650	6060	325
27	369	955	421	3270	21800	20900	12200	1020	3230	1860	5750	299
28	568	453	455	4050	20900	20400	12100	1970	1930	2750	5950	275
29	555	1170	462	7930	---	20000	11800	7020	676	4810	6010	452
30	321	582	839	10100	---	16900	11700	7340	2880	5260	4550	681
31	410	---	632	9800	---	16000	---	6950	---	6080	2190	---
TOTAL	15202	19900	20639	73379	336800	837100	518440	426890	115708	121130	154350	68282
MEAN	490	663	666	2367	12030	27000	17280	13770	3857	3907	4979	2276
MAX	865	1210	2040	10100	21800	41300	40000	28700	13200	6080	6230	3590
MIN	174	293	322	365	1210	16000	7090	1020	580	1860	2190	275
AC-FT	30150	39470	40940	145500	668000	1660000	1028000	846700	229500	240300	306200	135400

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1997#, BY WATER YEAR (WY)

MEAN	1167	1939	5550	8129	8914	9849	8154	8304	5581	3959	2835	2599
MAX	6846	12880	17990	28510	21470	27000	26530	32070	25310	23750	6662	7099
(WY)	1992	1995	1962	1974	1975	1997	1969	1966	1989	1989	1976	1991
MIN	82.5	86.2	247	484	266	485	231	471	400	166	91.7	77.6
(WY)	1968	1968	1968	1968	1968	1968	1971	1967	1970	1964	1967	1967

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1960 - 1997#		
ANNUAL TOTAL	251546			2707820					
ANNUAL MEAN	687			7419			5568		
HIGHEST ANNUAL MEAN							11190		
LOWEST ANNUAL MEAN							548		
HIGHEST DAILY MEAN	5400	Feb	5	41300	Mar	7	111000	May	20 1989
LOWEST DAILY MEAN	174	Oct	20	174	Oct	20	38	Sep	14 1967
ANNUAL SEVEN-DAY MINIMUM	352	Jan	12	385	Jan	4	41	Sep	9 1967
INSTANTANEOUS PEAK FLOW				43200	Mar	7	116000	May	20 1989
INSTANTANEOUS PEAK STAGE				40.26	Mar	7	47.45	May	20 1989
ANNUAL RUNOFF (AC-FT)	498900			5371000			4034000		
10 PERCENT EXCEEDS	1030			22000			15300		
50 PERCENT EXCEEDS	582			3370			2560		
90 PERCENT EXCEEDS	351			407			257		

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.--Records good except for estimated discharge, which is poor. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 580,000 acre-ft) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Several measurements of water temperature were made during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	130	550	435	491	3720	348	e525	e800	e82	52	24
2	131	114	535	383	499	2410	285	e380	e1000	e75	45	24
3	114	95	378	351	494	1490	e234	e310	e750	e72	34	29
4	103	75	293	328	797	1140	e700	e255	e550	e70	26	36
5	85	63	231	327	681	915	e1500	e215	e400	e68	22	44
6	73	56	190	318	546	775	e2000	e180	e300	e66	19	30
7	62	57	165	319	561	617	e1300	e160	e240	e65	30	26
8	50	84	152	331	1120	507	e900	e145	e190	e150	42	21
9	39	80	128	384	1010	443	e650	e135	e160	e200	88	19
10	33	66	111	382	724	401	e420	e127	e148	e130	308	18
11	31	58	97	320	620	371	e300	e122	e140	e165	260	23
12	27	51	93	252	1070	362	e750	e117	e132	e200	237	16
13	23	46	94	241	3250	1390	e950	e110	e125	e140	259	14
14	21	42	125	244	5030	2260	e700	e107	e120	e100	171	12
15	20	58	376	309	5090	2370	e525	e105	e115	e77	139	12
16	19	49	1360	703	2240	1660	e400	e100	e112	e68	113	12
17	19	61	2170	607	763	1000	e290	e98	e110	e62	93	11
18	21	527	2040	362	530	772	e245	e94	e160	e60	77	11
19	37	776	1400	265	418	782	e215	e90	e250	e57	65	11
20	32	502	1100	209	369	755	e200	e170	e185	e54	53	11
21	23	346	1000	178	1240	615	e180	e320	e135	e52	46	10
22	26	274	962	179	1630	500	e170	e400	e110	e49	49	11
23	30	197	955	222	1360	424	e160	e500	e102	e47	110	31
24	37	180	946	277	857	354	e155	e300	e97	e45	115	91
25	213	406	889	386	2640	307	e150	e240	e93	e44	74	83
26	433	439	766	312	4530	917	e800	e185	e88	e43	61	60
27	403	352	724	226	7310	1250	e975	e150	e86	e42	49	45
28	289	251	630	1020	5750	900	e1200	e400	e84	e42	41	34
29	219	195	580	1240	---	678	e925	e1000	e110	34	34	27
30	178	295	613	675	---	537	e700	e1200	e92	38	29	22
31	160	---	514	476	---	439	---	e400	---	53	25	---
TOTAL	3117	5925	20167	12261	51620	31061	18327	8640	6984	2450	2766	818
MEAN	101	198	651	396	1844	1002	611	279	233	79.0	89.2	27.3
MAX	433	776	2170	1240	7310	3720	2000	1200	1000	200	308	91
MIN	19	42	93	178	369	307	150	90	84	34	19	10
AC-FT	6180	11750	40000	24320	102400	61610	36350	17140	13850	4860	5490	1620
CFSM	.28	.54	1.78	1.08	5.05	2.75	1.67	.76	.64	.22	.24	.07
IN.	.32	.60	2.06	1.25	5.26	3.17	1.87	.88	.71	.25	.28	.08

e Estimated

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1997, BY WATER YEAR (WY)

MEAN	140	299	644	760	911	730	734	644	292	239	162	158
MAX	1114	2418	6006	2741	4220	1901	2402	6181	2628	2665	2286	1698
(WY)	1985	1958	1983	1990	1966	1973	1952	1953	1989	1989	1955	1958
MIN	7.95	13.5	40.1	35.8	113	121	42.9	36.6	15.7	26.2	12.1	9.18
(WY)	1964	1968	1955	1981	1996	1996	1981	1978	1971	1954	1956	1993

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1952 - 1997		
ANNUAL TOTAL	82662			164136					
ANNUAL MEAN	226			450			474		
HIGHEST ANNUAL MEAN							1265		
LOWEST ANNUAL MEAN							102		
HIGHEST DAILY MEAN	2170	Dec	17	7310	Feb	27	49900	Apr	30
LOWEST DAILY MEAN	13	Jul	13	10	Sep	21	5.6	Sep	27
ANNUAL SEVEN-DAY MINIMUM	16	Jul	8	11	Sep	16	5.8	Sep	24
INSTANTANEOUS PEAK FLOW				8040	Feb	27	64300	May	19
INSTANTANEOUS PEAK STAGE				21.06	Feb	27	28.38	May	19
INSTANTANEOUS LOW FLOW				9.8	Sep	21,22	4.0	Sep	28,29,30
INSTANTANEOUS LOW STAGE				2.95	Sep	21,22,23			
ANNUAL RUNOFF (AC-FT)	164000			325600			343400		
ANNUAL RUNOFF (CFSM)	.62			1.23			1.30		
ANNUAL RUNOFF (INCHES)	8.42			16.73			17.64		
10 PERCENT EXCEEDS	574			1000			1070		
50 PERCENT EXCEEDS	98			185			146		
90 PERCENT EXCEEDS	23			30			20		

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.28	4.01	6.56	5.95	6.26	18.62	5.45	---	---	---	3.45	3.16
2	4.02	3.89	6.48	5.66	6.30	14.71	5.05	---	---	---	3.38	3.15
3	3.89	3.74	5.63	5.47	6.28	10.96	---	---	---	---	3.29	3.21
4	3.80	3.58	5.10	5.33	7.80	9.40	---	---	---	---	3.21	3.27
5	3.66	3.48	4.72	5.32	7.22	8.36	---	---	---	---	3.16	3.33
6	3.57	3.43	4.45	5.26	6.54	7.69	---	---	---	---	3.13	3.21
7	3.47	3.43	4.26	5.27	6.61	6.90	---	---	---	---	3.24	3.17
8	3.38	3.66	4.17	5.34	9.31	6.34	---	---	---	---	3.36	3.11
9	3.28	3.63	4.00	5.66	8.79	6.00	---	---	---	---	3.71	3.09
10	3.23	3.51	3.87	5.65	7.44	5.76	---	---	---	---	5.20	3.07
11	3.20	3.44	3.76	5.28	6.92	5.59	---	---	---	---	4.90	3.12
12	3.15	3.39	3.73	4.85	8.92	5.53	---	---	---	---	4.76	3.04
13	3.12	3.34	3.74	4.79	17.64	10.44	---	---	---	---	4.89	3.02
14	3.08	3.30	3.97	4.80	19.97	14.15	---	---	---	---	4.32	3.00
15	3.08	3.44	5.58	5.19	20.01	14.59	---	---	---	---	4.09	2.99
16	3.07	3.37	10.33	7.34	13.84	11.68	---	---	---	---	3.91	2.98
17	3.06	3.46	13.78	6.85	7.62	8.77	---	---	---	---	3.76	2.97
18	3.09	6.36	13.25	5.53	6.46	7.68	---	---	---	---	3.63	2.97
19	3.25	7.69	10.55	4.93	5.86	7.73	---	---	---	---	3.54	2.97
20	3.21	6.31	9.20	4.58	5.57	7.59	---	---	---	---	3.44	2.96
21	3.12	5.43	8.77	4.37	9.80	6.89	---	---	---	---	3.38	2.96
22	3.14	4.99	8.58	4.37	11.57	6.31	---	---	---	---	3.41	2.96
23	3.19	4.50	8.55	4.66	10.38	5.89	---	---	---	---	3.88	3.17
24	3.25	4.37	8.51	5.01	8.08	5.48	---	---	---	---	3.91	3.70
25	4.58	5.78	8.24	5.67	15.45	5.19	---	---	---	---	3.61	3.65
26	5.93	5.97	7.65	5.23	19.56	8.34	---	---	---	---	3.49	3.46
27	5.77	5.47	7.44	4.69	20.90	9.90	---	---	---	---	3.39	3.33
28	5.08	4.84	6.97	8.76	20.40	8.29	---	---	---	---	3.32	3.21
29	4.64	4.48	6.71	9.84	---	7.20	---	---	---	3.29	3.26	3.13
30	4.36	5.11	6.88	7.19	---	6.50	---	---	---	3.32	3.21	3.08
31	4.23	---	6.38	6.18	---	5.97	---	---	---	3.46	3.17	---
MAX	5.93	7.69	13.78	9.84	20.90	18.62	---	---	---	---	5.20	3.70
MIN	3.06	3.30	3.73	4.37	5.57	5.19	---	---	---	---	3.13	2.96

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 1996 TO SEPTEMBER 1997

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN	COLI-	STREP-
								DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	FORM, FECAL, 0.7 μM-MF (COLS./ 100 ML) (31625)	TOCOC- CI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
DEC 1996										
30...	1815	150	6.48	17.0	140	23	8.1	2.6	1400	600
FEB 1997										
05...	1200	147	6.82	15.0	120	32	8.2	2.7	2300	230
MAR										
25...	0850	246	6.96	19.5	200	25	6.9	--	<5	96
MAY										
29...	1420	201	6.65	23.0	120	31	6.5	0.7	--	240
JUL										
22...	1725	564	7.09	30.0	240	22	6.4	4.9	--	K980
SEP										
18...	1400	325	7.11	28.0	120	9.8	--	--	<2	78
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA-	SULFATE	CHLO-	FLUO-
							LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)			
DEC 1996										
30...	16	5.0	0.9	22	2.2	16	26	16	<0.1	11
FEB 1997										
05...	17	5.4	0.9	21	1.9	18	26	14	<0.1	9.3
MAR										
25...	17	5.3	0.9	--	1.9	32	39	21	<0.1	10
MAY										
29...	17	5.2	0.9	30	2.2	18	34	20	<0.1	7.9
JUL										
22...	30	9.7	1.3	100	4.8	--	110	53	<0.1	12
SEP										
18...	28	8.7	1.6	50	2.7	45	54	33	<0.1	17

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

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

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L) (AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) (AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) (AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) (AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) (AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L) (AS P) (70507)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	
	DEC 1996 30...	104	93	0.020	0.080	0.100	0.76	0.08	0.06	--	--	
	FEB 1997 05...	116	89	0.020	0.070	0.100	1.0	0.10	0.05	--	--	
	MAR 25...	160	126	0.020	0.070	0.170	0.89	0.07	0.05	<1	<0.2	
	MAY 29...	134	111	0.040	0.160	0.120	--	0.09	0.07	--	--	
	JUL 22...	336	319	0.066	0.430	0.250	1.2	0.06	0.08	--	--	
	SEP 18...	226	194	<0.010	0.270	0.020	0.46	0.06	0.05	--	--	
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACE- NAPHTH- YLENE TOTAL (µG/L) (34200)	ACE- NAPHTH- YLENE BOT.MAT (µG/KG) (34203)	ACE- NAPHTH- ENE TOTAL (µG/L) (34205)	ACE- NAPHTH- ENE BOT.MAT (µG/KG) (34208)	ANTHRA- CENE TOTAL (µG/L) (34220)	ANTHRA- CENE BOT.MAT (µG/KG) (34223)	BENZO B FLUOR- AN- THENE TOTAL (µG/L) (34230)	BENZO B FLUOR- AN- THENE BOT.MAT (µG/KG) (34233)	BENZO K FLUOR- AN- THENE BOT.MAT (µG/KG) (34245)	BENZO- A- PYRENE TOTAL (µG/L) (34247)	BENZO- A- PYRENE BOT.MAT (µG/KG) (34250)
DEC 1996 30...	14	<5	<200	<5	<200	<5	<200	<10	<400	<400	<10	<400
DATE	BIS 2- CHLORO- ETHYL ETHER UNFLTRD RECOVER (µG/L) (34273)	BIS (2- CHLORO- ETHYL) ETHER BOT.MAT (µG/KG) (34276)	BIS (2- CHLORO- ETHOXY) METHANE TOTAL (µG/L) (34278)	BIS (2- CHLORO- ETHOXY) METHANE BOT.MAT (µG/KG) (34281)	BIS (2- CHLORO- ISO- PROPYL) ETHER TOTAL (µG/L) (34283)	BIS (2- CHLORO- ISO- PROPYL) ETHER BOT.MAT (µG/KG) (34286)	N-BUTYL BENZYL PHTHAL- ATE TOTAL (µG/L) (34292)	N-BUTYL BENZYL PHTHAL- ATE BOT.MAT (µG/KG) (34295)	CHRY- SENE TOTAL (µG/L) (34320)	CHRY- SENE BOT.MAT (µG/KG) (34323)	DIETHYL PHTHAL- ATE TOTAL (µG/L) (34336)	
DEC 1996 30...	<5	<200	<5	<200	<5	<200	<5	<200	<10	<400	<5	
DATE	DIETHYL PHTHAL- ATE BOT.MAT (µG/KG) (34339)	DI- METHYL PHTHAL- ATE TOTAL (µG/L) (34341)	DI- METHYL PHTHAL- ATE BOT.MAT (µG/KG) (34344)	FLUOR- ANTHENE TOTAL (µG/L) (34376)	FLUOR- ANTHENE BOT.MAT (µG/KG) (34379)	FLUOR- ENE TOTAL (µG/L) (34381)	FLUOR- ENE BOT.MAT (µG/KG) (34384)	CYCLOPE NTADIEN HEXA- CHLORO- UNFLTRD RECOVER (µG/L) (34386)	HEXA- CHLORO- CYCLO- PENT- ADIENE BOT.MAT (µG/KG) (34389)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (µG/L) (34396)	HEXA- CHLORO- ETHANE BOT.MAT (µG/KG) (34399)	
DEC 1996 30...	<200	<5	<200	<5	<200	<5	<200	<5	<200	<5	<200	
DATE	INDENO (1,2,3- CD) PYRENE TOTAL (µG/L) (34403)	INDENO (1,2,3- CD) PYRENE BOT.MAT (µG/KG) (34406)	ISO- PHORONE TOTAL (µG/L) (34408)	ISO- PHORONE BOT.MAT (µG/KG) (34411)	N- NITRO- SODI-N- PROPYL- AMINE TOTAL (µG/L) (34428)	N- NITRO- SODI-N- PROPYL- AMINE BOT.MAT (µG/KG) (34431)	N-NITRO -SODI- PHENY- LAMINE TOTAL (µG/L) (34433)	N-NITRO -SODI- PHENY- LAMINE BOT.MAT (µG/KG) (34436)	N-NITRO -SODI- METHY- LAMINE TOTAL (µG/L) (34438)	N-NITRO -SODI- METHY- LAMINE BOT.MAT (µG/KG) (34441)	NAPHTH- ALENE BOT.MAT (µG/KG) (34445)	
DEC 1996 30...	<10	<400	<5	<200	<5	<200	<5	<200	<5	<200	<200	

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

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	BENZENE NITRO- WATER UNFLTRD RECOVER ($\mu\text{G/L}$) (34447)	NITRO- BENZENE BOT.MAT ($\mu\text{G/KG}$) (34450)	PARA- CHLORO- META CRESOL TOTAL ($\mu\text{G/L}$) (34452)	PARA- CHLORO- META CRESOL BOT.MAT ($\mu\text{G/KG}$) (34455)	PHENAN- THRENE TOTAL ($\mu\text{G/L}$) (34461)	PHENAN- THRENE BOT.MAT ($\mu\text{G/KG}$) (34464)	PYRENE TOTAL ($\mu\text{G/L}$) (34469)	PYRENE BOT.MAT ($\mu\text{G/KG}$) (34472)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL ($\mu\text{G/L}$) (34521)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT ($\mu\text{G/KG}$) (34524)	BENZO A ANTHRAC ENE1,2- BENZANT HRACENE TOTAL ($\mu\text{G/L}$) (34526)
DEC 1996 30...	<5	<200	<30	<600	<5	<200	<5	<200	<10	<400	<10
DATE	BENZO A ANTHRAC ENE1,2- BENZANT HRACENE BOT.MAT ($\mu\text{G/KG}$) (34529)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC ($\mu\text{G/L}$) (34536)	BENZENE 1,2-DI- CHLORO- BENZENE BOT.MAT ($\mu\text{G/KG}$) (34539)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC ($\mu\text{G/L}$) (34551)	1,2,4- TRI- CHLORO- BENZENE BOT.MAT ($\mu\text{G/KG}$) (34554)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL ($\mu\text{G/L}$) (34556)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT ($\mu\text{G/KG}$) (34559)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC ($\mu\text{G/L}$) (34566)	1,3-DI- CHLORO- BENZENE BOT.MAT ($\mu\text{G/KG}$) (34569)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC ($\mu\text{G/L}$) (34571)	1,4-DI- CHLORO- BENZENE BOT.MAT ($\mu\text{G/KG}$) (34574)
DEC 1996 30...	<400	<5	<200	<5	<200	<10	<400	<5	<200	<5	<200
DATE	2- CHLORO- NAPH- THALENE TOTAL ($\mu\text{G/L}$) (34581)	2- CHLORO- NAPH- THALENE BOT.MAT ($\mu\text{G/KG}$) (34584)	2- CHLORO- PHENOL TOTAL ($\mu\text{G/L}$) (34586)	2- CHLORO- PHENOL BOT.MAT ($\mu\text{G/KG}$) (34589)	2- NITRO- PHENOL TOTAL ($\mu\text{G/L}$) (34591)	2- NITRO- PHENOL BOT.MAT ($\mu\text{G/KG}$) (34594)	DI-N- OCTYL PHTHAL- ATE TOTAL ($\mu\text{G/L}$) (34596)	DI-N- OCTYL PHTHAL- ATE BOT.MAT ($\mu\text{G/KG}$) (34599)	2,4-DI- CHLORO- PHENOL TOTAL ($\mu\text{G/L}$) (34601)	2,4-DI- CHLORO- PHENOL BOT.MAT ($\mu\text{G/KG}$) (34604)	2,4-DI- METHYL- PHENOL TOTAL ($\mu\text{G/L}$) (34606)
DEC 1996 30...	<5	<200	<5	<200	<5	<200	<10	<400	<5	<200	<5
DATE	2,4-DP, IN BOTTOM MAT. ($\mu\text{G/KG}$) (34609)	2,4-DI- NITRO- TOLUENE TOTAL ($\mu\text{G/L}$) (34611)	2,4-DI- NITRO- TOLUENE BOT.MAT ($\mu\text{G/KG}$) (34614)	2,4- DI- NITRO- PHENOL TOTAL ($\mu\text{G/L}$) (34616)	2,4- DI- NITRO- PHENOL BOT.MAT ($\mu\text{G/KG}$) (34619)	2,4,6- TRI- CHLORO- PHENOL TOTAL ($\mu\text{G/L}$) (34621)	2,4,6- TRI- CHLORO- PHENOL BOT.MAT ($\mu\text{G/KG}$) (34624)	2,6-DI- NITRO- TOLUENE TOTAL ($\mu\text{G/L}$) (34626)	2,6-DI- NITRO- TOLUENE BOT.MAT ($\mu\text{G/KG}$) (34629)	3,3'- DI- CHLORO- BENZI- DINE TOTAL ($\mu\text{G/L}$) (34631)	4- BROMO- PHENYL ETHER TOTAL ($\mu\text{G/L}$) (34636)
DEC 1996 30...	<200	<5	<200	<20	<600	<20	<600	<5	<200	<20	<5
DATE	4- BROMO- PHENYL ETHER BOT.MAT ($\mu\text{G/KG}$) (34639)	4- CHLORO- PHENYL ETHER TOTAL ($\mu\text{G/L}$) (34641)	4- CHLORO- PHENYL ETHER BOT.MAT ($\mu\text{G/KG}$) (34644)	4- NITRO- PHENOL TOTAL ($\mu\text{G/L}$) (34646)	4- NITRO- PHENOL BOT.MAT ($\mu\text{G/KG}$) (34649)	4,6- DINITRO- -ORTHO- CRESOL TOTAL ($\mu\text{G/L}$) (34657)	4,6- DINITRO- -ORTHO- CRESOL BOT.MAT ($\mu\text{G/KG}$) (34660)	PHENOL (C6H- 5OH) TOTAL ($\mu\text{G/L}$) (34694)	PHENOL (C6H- 5OH) BOT.MAT ($\mu\text{G/KG}$) (34695)	NAPHTH- ALENE TOTAL ($\mu\text{G/L}$) (34696)	PENTA- CHLORO- PHENYL TOTAL ($\mu\text{G/L}$) (39032)
DEC 1996 30...	<200	<5	<200	<30	<600	<30	<600	<5	<200	<5	<30
DATE	PENTA- CHLORO- PHENOL BOT.MAT ($\mu\text{G/KG}$) (39061)	BIS(2- ETHYL HEXYL) PHTHAL- ATE TOTAL ($\mu\text{G/L}$) (39100)	BIS(2- ETHYL HEXYL) PHTHAL- ATE BOT.MAT ($\mu\text{G/KG}$) (39102)	DI-N- BUTYL PHTHAL- ATE TOTAL ($\mu\text{G/L}$) (39110)	DI-N- BUTYL PHTHAL- ATE BOT.MAT ($\mu\text{G/KG}$) (39112)	BENZI- DINE TOTAL ($\mu\text{G/L}$) (39120)	HEXA- CHLORO- BENZENE TOTAL ($\mu\text{G/L}$) (39700)	HEXA- CHLORO- BENZENE TOT. IN BOTTOM MATL. ($\mu\text{G/KG}$) (39701)	HEXA- CHLORO- BUT- ADIENE TOTAL ($\mu\text{G/L}$) (39702)	HEXA- CHLORO- BUT- ADIENCE BOT.MAT ($\mu\text{G/KG}$) (39705)	1,2-DI- PHENYL- HYDRA- ZINE WATER TOT.REC ($\mu\text{G/L}$) (82626)
DEC 1996 30...	<600	<5	<200	<5	<200	<40	<5	<200	<5	<200	<5

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

SABINE RIVER MAIN STEM

08028500 SABINE RIVER NEAR BON WIER, TX

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mi upstream from Quicksand Creek, 0.8 mi upstream from Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi east of Bon Wier, 2.4 mi upstream from Caney Creek, and at mile 97.7.

DRAINAGE AREA.--8,229 mi².

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage height records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1342: 1953; WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 33.42 ft above sea level. Prior to 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.--Records fair. Since water year 1960, at least 10% of contributing drainage area has been regulated by Lake Tawakoni and three additional upstream reservoirs. Additional regulation since October 1966, by Toledo Bend Reservoir 58.8 mi upstream. Telephone telemeter at station. Satellite 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1430	1040	1650	1660	10400	29100	18400	13600	8950	4020	6730	2370
2	1380	1040	1540	1370	10300	27700	18200	15400	9170	5760	6650	2890
3	1030	1040	1830	1230	9930	28600	15800	17300	8730	4190	6480	3510
4	1090	814	1400	1130	10600	32300	13700	20700	10500	2650	2930	3990
5	972	916	1120	1040	10700	36900	e12500	26000	13900	2480	4920	3790
6	1110	1050	1490	1000	10300	42300	e18000	28400	14300	3810	6610	3820
7	728	1050	1230	1010	10300	47000	e27800	29000	11100	2510	6660	3720
8	755	930	955	1070	10600	39800	e35000	27800	3850	4910	5770	1870
9	929	972	918	1170	5780	e33000	38900	26800	1850	6960	6700	2770
10	730	1100	1150	1280	3090	e28000	42800	25000	3510	6370	8180	3870
11	873	732	1000	1210	5050	e25900	45400	20900	4710	6060	4190	3880
12	737	956	843	1090	8590	e25700	46000	17000	4700	6210	5510	4000
13	920	852	1230	1030	22200	e27000	44300	15500	4450	5740	6920	4110
14	624	935	1030	1040	26000	30700	39300	15200	4430	3420	7040	4040
15	663	827	878	1100	22600	32700	25300	15500	2610	4090	6840	2000
16	900	1160	2190	1530	22100	35500	13800	15900	1450	5540	6620	2710
17	725	1000	6510	2100	18600	36500	10400	15900	3040	5470	6490	3780
18	898	1150	5870	3170	16000	34500	9430	15800	4410	5460	3010	3910
19	665	1960	4300	3410	15300	31600	9010	15700	2960	5480	5650	3540
20	854	1660	3580	3260	15400	30200	8770	15800	1650	4560	5620	3640
21	603	1540	2430	3270	17400	30600	8620	17800	1490	2730	6190	4200
22	597	1240	1950	3660	19800	30600	8520	17300	1490	4140	6710	2390
23	838	1440	1850	3640	18700	29100	8430	10400	1180	5560	7040	3010
24	718	1160	1750	3940	17200	26400	8340	5230	2690	5680	6850	2350
25	1020	1050	1700	3850	21100	23300	8310	4300	4220	5660	3160	1160
26	1510	1840	1580	3550	29000	23200	9120	4100	4960	5610	5090	897
27	2170	1670	1470	3510	29900	24300	12700	3170	4680	4240	6690	783
28	1380	1670	1470	4520	30000	24100	14700	2920	4240	2160	6450	711
29	1230	1280	1520	8460	---	23100	14500	5250	2470	3720	6780	658
30	1280	1670	1990	9610	---	22200	14100	8780	1380	5710	6620	728
31	971	---	2070	10700	---	19100	---	8970	---	7260	5240	---
TOTAL	30330	35744	60494	89610	446940	931000	600150	481420	149070	148160	186340	85097
MEAN	978	1191	1951	2891	15960	30030	20010	15530	4969	4779	6011	2837
MAX	2170	1960	6510	10700	30000	47000	46000	29000	14300	7260	8180	4200
MIN	597	732	843	1000	3090	19100	8310	2920	1180	2160	2930	658
AC-FT	60160	70900	120000	177700	886500	1847000	1190000	954900	295700	293900	369600	168800

SABINE RIVER MAIN STEM

08028500 SABINE RIVER NEAR BON WIER, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1997#, BY WATER YEAR (WY)

MEAN	1664	2614	6738	9668	10790	11420	9649	9366	6482	4758	3324	3088
MAX	7315	13250	21420	30930	23200	30030	27370	31210	26340	31490	7288	8247
(WY)	1992	1995	1983	1974	1975	1997	1969	1966	1989	1989	1976	1991
MIN	188	217	822	1000	746	1288	634	1011	663	530	211	206
(WY)	1968	1968	1981	1981	1968	1981	1971	1996	1970	1964	1967	1967

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1960 - 1997#		
ANNUAL TOTAL	498349			3244355					
ANNUAL MEAN	1362			8889			6612		
HIGHEST ANNUAL MEAN							12670		
LOWEST ANNUAL MEAN							1172		
HIGHEST DAILY MEAN	6510	Dec	17	47000	Mar	7	98000	Jul	4 1989
LOWEST DAILY MEAN	597	May	28	597	Oct	22	134	Nov	9 1966
ANNUAL SEVEN-DAY MINIMUM	739	Oct	18	739	Oct	18	142	Nov	3 1966
INSTANTANEOUS PEAK FLOW				50500	Mar	8	98200	Jul	4 1989
INSTANTANEOUS PEAK STAGE				34.78	Mar	8	37.90	Jul	4 1989
ANNUAL RUNOFF (AC-FT)	988500			6435000			4790000		
10 PERCENT EXCEEDS	2180			26600			16900		
50 PERCENT EXCEEDS	1110			4240			3470		
90 PERCENT EXCEEDS	794			972			672		

e Estimated

Period of regulated streamflow.

MAIN STEM
08030500 SABINE RIVER NEAR RULIFF, TX
(Hydrologic benchmark station)

LOCATION.--Lat 30°18'13", long 93°44'37", Calcasieu Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, at downstream side of bridge on State Highway 12, 2.4 mi north of Ruliff, 4.2 mi upstream from the Kansas City Southern Railway Co. bridge, 4.5 mi downstream from Cypress Creek, and at mile 40.2.

DRAINAGE AREA.--9,329 mi².

PERIOD OF RECORD.--October 1924 to current year.

REVISED RECORDS.--WSP 1282: 1941(M), 1942. WSP 1442: 1925-29, 1937-39, 1943. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5.92 ft below 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. Since water year 1960, at least 10% of contributing drainage area has been regulated by Lake Tawakoni and three additional upstream reservoirs. Additional regulation since October 1966, by Toledo Bend Reservoir 116.3 mi upstream. Telephone telemeter at station. Satellite 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7190	1560	2000	2950	11400	42600	21900	13900	8210	3170	5830	7080
2	5240	1380	2480	2870	12300	42100	20500	14300	9020	2740	6920	5910
3	3500	1290	2600	2460	12400	37400	19300	14300	9410	4350	7430	3630
4	2450	1470	2540	2130	12800	33200	18600	14100	9540	5220	7420	3520
5	1990	1340	2380	1910	12700	31100	18700	14400	9560	4310	6780	3880
6	1710	1160	1910	1760	12400	32000	18100	15100	9810	3220	5150	4090
7	1710	e1310	1770	1800	12200	35600	17500	16600	10700	3170	5640	4040
8	1520	1450	1880	1870	12000	40200	18000	19200	11800	3550	6510	4050
9	1280	1450	1570	1920	11900	44800	22300	21900	12300	3700	6930	3410
10	1330	1320	1360	2010	11700	47700	28400	22900	10500	5260	6960	2470
11	1260	1480	1330	2110	10200	46800	33300	22600	7050	6360	7250	3310
12	1240	1360	1470	2050	8360	42400	37500	21600	5770	6770	7580	3860
13	1170	1190	1300	1920	10500	39700	39900	19800	5610	6800	6930	4060
14	1220	1310	1260	1840	14200	36200	41200	17900	5490	6710	6740	4240
15	1150	1200	1500	1870	17700	34900	41200	16400	5300	6210	7080	4280
16	979	1280	1670	2050	26000	35900	38300	15400	4660	4670	7350	3680
17	1080	1300	3050	2370	34300	37200	29800	14900	3010	4880	7420	2540
18	1080	1690	6090	2950	31900	38100	22100	14600	2580	5520	7350	3270
19	1080	1920	8290	3400	27100	41700	17800	14600	3770	5740	6780	3780
20	1050	2650	9180	3850	23000	43200	15400	14700	4290	5820	5330	3910
21	1010	2850	8220	3970	21000	40500	13300	15600	3210	5740	5860	3710
22	1030	2480	6330	3930	19900	37500	12100	16100	2240	4850	6270	3950
23	876	2160	4410	4080	19600	34800	11100	17100	2030	3660	6720	4040
24	932	1880	3250	4240	20900	32700	10400	18400	1780	4780	7080	3140
25	1050	1960	2810	4520	24100	30400	10200	17700	2020	5570	7360	e3000
26	1150	1670	2600	4870	25300	28600	10600	15000	3540	5890	7130	2320
27	1790	2080	2440	4830	26800	26100	10400	12000	4690	5990	5740	1660
28	2710	2490	2250	4960	34700	24700	10800	9580	5360	5830	5970	1350
29	2480	2270	2170	5870	---	24100	11700	7300	5370	4550	6610	1190
30	1940	2090	2220	7440	---	23900	12900	6360	4800	3170	6930	1090
31	1810	---	2540	9490	---	23100	---	7130	---	4450	7130	---
TOTAL	56007	51040	94870	104290	517360	1109200	633300	481470	183420	152650	208180	104460
MEAN	1807	1701	3060	3364	18480	35780	21110	15530	6114	4924	6715	3482
MAX	7190	2850	9180	9490	34700	47700	41200	22900	12300	6800	7580	7080
MIN	876	1160	1260	1760	8360	23100	10200	6360	1780	2740	5150	1090
AC-FT	111100	101200	188200	206900	1026000	2200000	1256000	955000	363800	302800	412900	207200

SABINE RIVER MAIN STEM

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1997#, BY WATER YEAR (WY)

MEAN	2382	3380	8212	11730	12690	13290	11390	10500	7896	5785	3887	3693
MAX	9591	14910	22070	35570	27990	35780	33240	32980	26240	42320	7982	10530
(WY)	1995	1995	1983	1961	1974	1997	1969	1966	1989	1989	1975	1973
MIN	292	327	1366	1422	1559	1695	1030	1395	1383	805	382	333
(WY)	1968	1968	1981	1981	1968	1996	1971	1996	1963	1967	1967	1967

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1960 - 1997#	
ANNUAL TOTAL	748823		3696247			
ANNUAL MEAN	2046		10130		7882	
HIGHEST ANNUAL MEAN					14210	
LOWEST ANNUAL MEAN					1959	
HIGHEST DAILY MEAN	9180	Dec 20	47700	Mar 10	108000	Jul 6 1989
LOWEST DAILY MEAN	876	Oct 23	876	Oct 23	278	Oct 28 1967
ANNUAL SEVEN-DAY MINIMUM	1000	Oct 19	1000	Oct 19	282	Oct 9 1967
INSTANTANEOUS PEAK FLOW			48700	Mar 10	109000	Jul 6 1989
INSTANTANEOUS PEAK STAGE			25.90	Mar 10	29.15	Jul 6 1989
ANNUAL RUNOFF (AC-FT)	1485000		7332000		5710000	
10 PERCENT EXCEEDS	3410		28500		18500	
50 PERCENT EXCEEDS	1550		5640		4600	
90 PERCENT EXCEEDS	1150		1370		1130	

e Estimated

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 1997

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	1966-97	4-6-97	44.63	5,620
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	1966-97	4-5-97	13.30	8,060
07352400	Kepler Creek at Sparta, La.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 155, and 3.3 mi north east of Coushatta.	21.1	1954-68, 1974-97	2-13-97	44.34	942
07352800	Grand Bayou near Coushatta, La.	Lat 32°02'55", long 93°18'10", Red River Parish, at bridge on State Highway 507, and 0.8 mi west of Sparta.	93.9	1956-77, 1979-97	3-3-97	10.68	5,340
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	1966-97	2-13-97	22.42	3,820
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.	a47	1966-97	4-6-97	47.13	9,620
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	1966-97	4-6-97	8.39	282
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	1966-97	4-6-97	44.05	5,930
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	1968-97	3-4-97	10.40	504
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	1984-97	2-13-97	39.36	5,470
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, 1974-97	3-4-97	10.38	2,380

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1997--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.	a24	1965-97	3-4-97	44.08	1,900
07373250	Hemphill Creek at Nebo, La.	Lat 31°35'04", long 92°07'55", La Salle Parish, at bridge on La 460, and 0.6 mi east of Nebo.	35.3	1956-63 1978-97	2-12-97	10.63	5,170
MONTE SANO BAYOU BASIN							
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, 1.8 mi upstream from mouth and 3.7 mi north of Baton Rouge Post Office .	(a)	1975-94 ^c , 1995-97	10-26-96 2-25-97	(g) ^b 44.72	(d) (d)
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	1966-97	2-26-97	^b 20.09	1,680
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	1966-97	4-27-97	11.53	3,370
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, 1993-97	4-28-97	32.64	(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	1976-97	1997	(g)	(d)
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)	1975-97	2-25-97	115.56	(d)
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.	28.2	1974-85 ^b , 1986-94 ^c , 1995-97	2-25-97	^b 65.97	(d)
07377300	Amite River at Magnolia, La.	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mi east of Magnolia.	884	1949-82 1993-97	4-29-97	46.75	44,000
07377233	Beaver Creek at Peairs Road SE of Milldale, La.	Lat 30°38'30", long 91°01'58", East Baton Rouge Parish, at bridge on Peairs Road, 2.3 mi east from junction of State Hwy. 64 and Peairs Road.	8.16	1995-97	2-25-97	^b 89.70	(d)
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)	1962-92 ^c , 1993-97	4-28-97	^b 50.44	(d)
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 ^c , 1995-97	4-28-97	^b 48.56	(d)
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	1972-97	10-26-96	55.54	(d)

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1997--Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft ³ /s)
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. Datum of gage prior to Oct. 1, 1995, 0.43 ft higher.	(a)	1962-97	10-26-96 4-27-97 6-18-97	30.99 31.04 (g)	(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	1967-92 ^c , 1993-97	10-26-96 4-27-97 6-18-97	21.41 26.20 22.47	(d)
07378722	Clay Cut Bayou at Antioch Road near Baton Rouge, La.	Lat 30°23'12", long 91°00'26", East Baton Rouge Parish, at bridge on Antioch Road, 0.25 mi from Tiger Bend Road.	(a)	1995-97	4-30-97 6-18-97	20.71 18.44	(d) (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, 1969-92 ^c , 1993-97	1-28-97 6-18-97	16.21 14.79	(d) (d)
07378810	Bayou Fountain at Bluebonnet Blvd., near Baton Rouge, La.	Lat 30°21'01", long 91°06'29", East Baton Rouge Parish, at bridge on Bluebonnet Blvd., 0.25 mi southwest of Highland Rd.	(e)	1995-97	1-28-97 6-18-97	11.16 14.91	(d) (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. Datum of gage, prior to Aug. 8, 1995, 1.30 ft higher.	(e)	1963-70 ^c , 1975-92 ^c , 1993-97	6-18-97	26.59	2,670
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)	1968-92 ^c , 1993-97	6-18-97	38.60	(d)
07379095	North Branch Ward Creek at Old Hammond Hwy. at Baton Rouge, La.	Lat 30°25'50", long 91°05'11", East Baton Rouge Parish, at bridge on Old Hammond Hwy., 0.3 mi west of Airline Hwy (Hwy 61).	(e)	1995-97	6-18-97	^b 67.10	(d)
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. Datum of gage, prior to Jun. 15, 1995, 0.35 ft higher.	(a)	1962-97	6-18-97	28.10	(d)
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, 1971-97 ^c	10-26-96	22.45	(d)
07379960	Dawson Creek at Bluebonnet Blvd. near Baton Rouge, La.	Lat 30°22'56", long 91°05'39", East Baton Rouge Parish, at bridge on Bluebonnet Blvd., 0.25 mi north of Perkins Rd.	(e)	1995-97	6-18-97	20.25	(d)
MERMENTAU 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	1966-97	12-17-96	7.11	171
CALCASIEU 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	1964-97	2-15-97	^f 48.75	(d)

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1997--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, 1975-97	2-26-97	21.13	2,180
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, 1974-97	3-3-97	11.90	2,620
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	1967-97			(g)

- a Approximately.
 b Elevation; sea level.
 c Operated as a flood profile gage.
 d Discharge not determined.
 e Drainage area not determined.
 f Revised.
 g Missing record

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 1997

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, 1973-97	4-30-97	103.67
RED RIVER BASIN						
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)	1963-97	4-6-97	151.99
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	1960-97	4-6-97	181.67
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	1960-97	4-6-97	160.54
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	1981-85b, 1986-97c	3-7-97	30.59
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, 1990-97	3-1-97	79.10
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.	f1,190	1973-85b, 1986-97c		(g)
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	1979-97b	3-22-97	78.36
07366365	Bayou D'Arbonne below dam, near Downs ville, 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 Downs ville.	1,607	1978-97	3-4-97	76.00
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)	1978-97	3-4-97	37.59
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)	1974-85b, 1986-97c		(g)
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)	1978-97	3-4-97	61.53
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)	1978-97	3-4-97	59.43

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 1997--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						
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)	1978-97	3-4-97	59.43
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)	1973-85b, 1986-97c	1-29-97	60.27
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)	1975-85b, 1986-97c		(g)
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	1938-46h, 1948-57h, 1958-85h, 1986-97c		(g)
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 , 1988-97	1997	(k)
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 1995-97	1997	<58.53
MONTE SANO BAYOU BASIN						
07373993	Monte Sano Bayou at Metro Airport at Baton Rouge, La.	Lat 30°32'08", long 91°09'32", East Baton Rouge Parish, at bridge on Bessie Coleman Dr. 6.1 mi north of Baton Rouge Post Office.	(a)	1975-97	10-26-96 2-25-97	56..37 56.24
MISSISSIPPI RIVER DELTA						
07377230	Little Sandy Creek SW of Milldale, La.	Lat 30°38'36", long 91°01'26", East Baton Rouge Parish, at bridge on Peairs Rd, 2.0 mi west from intersection of Liberty and Peairs Rd.	(a)	1995-97	2-25-97	65.97
07377250	Sandy Creek near Greenwell Springs, La.	Lat 30°36'08", long 90°59'57", East Baton Rouge Parish, at bridge on State Highway 37, 1.5 mi north of village of Greenwell Springs, La.	(a)	1982-97 ^b	1997	(k)
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 , 1988-97	2-25-97 4-28-97 6-17-97	72.98 72.04 76.63
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, 1977-97 ^c	2-25-97 4-28-97 6-17-97	88.15 90.06 84.15
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)	1962-97	2-25-97 4-28-97 6-17-97	66.50 63.08 62.94
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 , 1988-97	2-25-97 4-28-97 6-17-97	^g 13.02 10.92 9.53
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, 1971-97	1997	<65.22

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 1997--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						
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, 1967-97	4-28-97	50.37
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)	1975-97	4-28-97	72.93
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)	1967-97	4-28-97	45.17
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)	1962-97	4-28-97	43.99
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)	1967-97	4-28-97	49.13
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)	1962-97	1997	(k)
07378030	Beaver Bayou at Hooper Road near Batpm Rouge, La.	Lat 30°33'39", long 91°01'15", East Baton Rouge Parish, at box culvert on State Highway 408, 8.6 mi northeast of Baton Rouge Post Office.	(a)	1982-96 ^b , 1997	10-26-96	^g 10.08
07378050	Comite River at Greenwell Springs Road, near Baton Rouge, La.	Lat 30°30'20", long 91°02'24", East Baton Rouge Parish, at bridge on Greenwell Springs Road, 9.4 mi northeast of Baton Rouge Post Office.	(a)	1981-88 ^b , 1989-97 ^c	4-29-97	42.59
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)	1972-97	10-26-96	69.75
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)	1983-97	10-26-96	59.27
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)	1967-97	10-26-96 4-28-97 6-18-97	46.08 45.88 47.03
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)	1962-97	10-26-96 4-27-97 6-18-97	42.04 41.61 <38.68
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)	1967-97	6-18-97	39.66
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)	1967-97	6-18-97	38.32
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)	1967-97	6-18-97	36.44
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)	1967-97	6-18-97	42.41

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 1997--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						
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)	1967-97	6-18-97	26.83
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)	1967-97	4-11-95 12-18-95 6-18-97	^o 21.12 ^o 13.62 17.92
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)	1962-97	1-28-97 6-18-97	18.72 18.79
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)	1967-97	1-28-97 6-18-97	10.45 (k)
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 , 1975-97 ^c	6-18-97	42.16
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)	1970-97	6-18-97	39.17
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)	1962-97	6-18-97	^g 17.24
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	1971-97	10-26-96 6-18-97	24.43 <20.57
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	1971-97 ^c	10-26-96 6-18-97	22.54 22.48
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	1971-97	10-26-96 6-18-97	15.79 20.88
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)	1962-97	1997	<19.38
07380200	Amite River at French Settlement, La.	Lat 30°16'31", long 90°46'45", Livingston Parish, at bridge on State Hwy. 16, 2.0 mi south of French Settlement High School.	(a)	1995-96 ^c 1997 ^b		
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)	1963-97	10-26-96 6-18-97	8.47 9.15
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)	1963-97	10-26-96 6-18-97	9.20 8.38
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)	1963-97	10-26-96 6-18-97	<7.4 7.77

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 1997--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						
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)	1986-97 ^c	12-27-96	7.91
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, 1990-97	3-1-97	68.79
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 , 1986-97 ^c	3-04-97	29.66
07382840	Hynson Bayou at Bringhurst 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, 1990-97	10-26-96	75.85
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 1990-97	3-1-97	70.54
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, 1990-97	3-1-97	70.35
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, 1990-97	3-1-97	67.74
07383510	Bayou des Glaisses 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	1972-85b, 1986-97c	2-25-97	19.37g
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 , 1986-97 ^c	10-26-96	21.55
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)	1985-97 ^c	10-26-96	[§] 13.08
07386600	Bayou Vermilion near Carencro, La.	Lat 30°22'05", long 91°59'15", Lafayette Parish approximately 1.1 mi northeast of intersection of Arnaudville Road and Hwy. 726, on the Arnaudville Road, northeast of Layette.	(a)	1997 ^c	10-26-96	20.46

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 1997--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						
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 Breaux Bridge.	(a)	1959-85 ^b , 1986-97 ^c	10-29-96	11.76
07386850	Vermilion River near Lafayette, La.	Lat 30°13'08", long 91°56'20", Lafayette Parish, approximately 1.6 mi southeast of the intersection of Lake Martin Road and Hwy. 94, on Lake Martin Road, southeast of Lafayette.	(a)	1997 ^c	10-29-96	10.31
07386940	Vermilion River at Hwy. 733 near Lafayette, La.	Lat 30°08'30", long 92°04'32", Lafayette Parish, on State Hwy. 733 about 1.3 mi southeast of intersection of State Highways 167 and 733, near Lafayette.	(a)	1997 ^c	10-26-96	12.28
07386945	Isaac Verot Coulee at Hwy. 733 near Lafayette, La.	Lat 30°08'15", long 92°04'32", Lafayette Parish, on State Highway 733 about 2.0 mi southeast of intersection of State Highways 167 and 733 near Lafayette.	(a)	1997 ^c	10-26-96	14.07

< 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 1997

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, 1993-97	10-08-96 4-17-97 8-04-97	49.1 111 76.1
MISSISSIPPI RIVER DELTA						
Bonnet Carre Spillway	Lake Pontchartrain	Lat 29°59'58", long 90°26'26", at Hwy. 61 at Norco, St. Charles Parish, Hydrologic Unit 08090202		1997	3-17-97 3-19-97 3-20-97 3-21-97 3-22-97 3-23-97 3-24-97 3-25-97 3-26-97 3-27-97 3-28-97 3-29-97 3-30-97 3-31-97 4-02-97 4-04-97 4-08-97 4-16-97	14,300 71,400 97,600 147,000 167,000 190,000 212,000 219,000 232,000 243,000 237,000 228,000 209,000 209,000 196,000 176,000 144,000 42,400
Mississippi River	Gulf of Mexico	Lat 31°00'30", long 91°37'25", at Tarbert Landing, river mile 306.3, Wilkinson County, Hydrologic Unit 08060100		1997	3-28-97	1,410,000
Avoca Island Cutoff (R-1)	Gulf of Mexico	Lat 29°31'59", long 91°14'26", Terrebonne Parish, Hydrologic Unit 08090302		1995-97	9-24-97	6,560
Bayou Penchant (R-3)	Gulf of Mexico	Lat 29°34'57", long 91°09'18", at Bayou Chene, Terrebonne Parish, Hydrologic Unit 08090302		1995-97	9-24-97	260
Bayou Boeuf (R-5a)	Gulf of Mexico	Lat 29°39'30", long 91°05'33, at Amelia, Terrebonne Parish, Hydrologic Unit 08090302		1995-97	9-24-97	2,580
Intracoastal Waterway (R-7)	Gulf of Mexico	Lat 29°33'34", long 90°43'12", west of Houma, Terrebonne Parish, Hydrologic Unit 08090302		1995-97	9-24-97	845
Bayou Lafourche	Gulf of Mexico	Lat 30°05'47", long 91°00'21", Ascension Parish, at bridge connecting Hwy. 1 and 308, 1.0 mi S of Marchand Dr. (Hwy. 70E) in Donaldsonville, LA		1994-97	10-23-96 12/17/96 2-17-97 3-21-97 6-18-97 8-19-97	178 192 200 3.52 -0.09 231

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1997

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued						
Bayou Lafourche	Gulf of Mexico	Lat 29°45'14", long 90°43'42", nr Raceland, Lafourche Parish, Hydrologic Unit 08090301		1997	2-17-97	99.4
Company Canal	Gulf of Mexico	Lat 29°38'47, long 90°32'13", at Hwy. 1 at Lockport, Lafourche Parish, Hydrologic Unit 08090302		1997	2-11-97 9-23-97	177 336
Intracoastal Waterway	Gulf of Mexico	Lat 29°34'08", long 90°23'04", East of Bayou Lafourche, Lafourche Parish, Hydrologic Unit 08090302		1997	9-23-97	1,640
Intracoastal Waterway	Gulf of Mexico	Lat 29°34'41", long 90°22'49", West of Bayou Lafourche, Lafourche Parish, Hydrologic Unit 08090301		1997	9-23-97	1,710
Bayou Lafourche	Gulf of Mexico	Lat 29°32'39", long 90°24'02", N of Intracoastal Waterway, Lafourche Parish, Hydrologic Unit 08090301		1997	9-23-97	52.8
Atchafalaya River	Gulf of Mexico	Lat 29°47'35", long 91°21'56", at Cypress Pass, St. Martin Parish, Hydrologic Unit 08080101		1997	1-21-97 3-17-97 5-15-97 7-01-97 8-14-97 9-26-97	133,000 180,000 139,000 134,000 63,900 47,700
West Grand Lake	Gulf of Mexico	Lat 29°48'42", long 91°23'48", St. Mary Parish, Hydrologic Unit 08080101		1997	1-22-97 3-17-97 5-15-97 7-01-97 8-14-97 9-26-97	103,000 194,000 150,000 144,000 51,700 35,700
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	1992-97	10-15-96 11-19-96 12-09-96 1-06-97 2-18-07 3-10-97 4-14-97 5-12-97 6-09-97 7-14-97 8-11-97 9-08-97	-20.3 397 178 409 927 752 871 665 519 980 142 0.00
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.	---	1992-97	11-18-96 1-07-97 3-11-97 5-13-97 7-15-97 9-8-97	0.00 32.4 0.00 0.00 35.3 0.00

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1997

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued						
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.	---	1992-97	11-18-96	0.00
					1-11-97	2.21
					3-11-97	0.00
					5-13-97	0.00
					7-15-97	18.1
					9-08-97	0.00
Tickfaw River	Lake Maurepas	Lat 30°26'07", long 90°40'39" Livingston Parish, at bridge on State Highway 42 in Springfield.	---	1992-97	11-18-96	168
					1-07-97	283
					3-11-97	355
					5-13-97	265
					7-15-97	1,210
					9-08-97	108
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.	---	1992-97	11-18-96	0.00
					1-07-97	313
					3-11-97	14.3
					5-13-97	3.62
					7-15-97	0.00
					9-08-97	0.00
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, 1988-97	10-15-96	19.2
					11-18-96	21.1
					12-09-96	27.3
					1-06-97	26.5
					2-18-97	49.5
					3-10-97	38.6
					4-14-97	92.4
					5-12-97	33.4
					6-09-97	269
					7-14-97	347
					8-11-97	31.9
					9-08-97	27.0
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, 1988-97	10-15-96	13.2
					11-18-96	14.3
					12-09-96	19.6
					1-06-97	19.6
					2-18-97	41.7
					3-10-97	25.7
					4-14-97	94.5
					5-12-97	16.3
					6-09-97	57.7
					7-14-97	1,170
					8-11-97	17.1
					9-08-97	14.9
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, 1993-97	12-09-96	27.9
					8-14-97	97.2
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, 1994-97	12-10-96	232
					8-11-97	264

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 1996 TO SEPTEMBER 1997

DATE	DIS- CHARGE, INST. TIME	SEDI- MENT, SEDI- CUBIC FEET PER SECOND (00061)	SED. SUSP. DIS- MENT, SUS- PENDEDED (MG/L) (80154)	SIEVE CHARGE, SUS- PENDEDED (T/DAY) (80155)	DIAM. % FINER THAN .062 MM (70331)
OCT 1996					
08...	1000	516000	237	331000	87
DEC					
03...	1100	956000	541	1400000	71
17...	1200	1180000	405	1300000	55
JAN 1997					
28...	1200	676000	344	628000	74
FEB					
11...	1200	1140000	397	1220000	64
MAR					
04...	1100	1060000	554	1590000	84
APR					
08...	1200	1130000	152	463000	68
29...	1300	1030000	326	906000	84
MAY					
14...	1300	1010000	259	704000	87
JUN					
03...	1100	707000	364	694000	87
17...	1100	1050000	306	868000	76
JUL					
08...	1130	861000	197	457000	84
AUG					
05...	1100	426000	198	228000	95

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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 1997					
25...	1100	230000	733	455000	51
APR					
01...	1200	163000	149	65000	80
22...	1330	192000	512	265000	60
MAY					
06...	1115	246000	405	269000	55
20...	1000	165000	---	---	---
JUN					
10...	1000	101000	---	---	---

GROUND-WATER LEVELS

ACADIA PARISH

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 2 IN., DEPTH 202 FT, SCREENED 192-202. MP* TOP OF 6-IN. CASING, 1.15 FT ABOVE LSD.
 LSD 25.8 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 48.61 BELOW LSD, MAR. 14, 1965,
 LOWEST WATER LEVEL 83.93 BELOW LSD, JULY 5, 1969.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	70.73	JAN. 31, 1997	64.48	APR. 28, 1997	70.95	JULY 17, 1997	76.28

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,363 FT, SCREENED 1,358-1,363. MP TOP OF 1 1/2-IN. CASING, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970,
 LOWEST WATER LEVEL 69.47 BELOW LSD, DEC. 8, 1993.
 RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	65.36	JAN. 31, 1997	65.08	APR. 28, 1997	64.18	JULY 17, 1997	64.52

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 907 FT, SCREENED 902-907. MP TOP OF 1 1/2-IN. CASING, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 43.59 BELOW LSD, MAR. 5, 1968,
 LOWEST WATER LEVEL 67.02 BELOW LSD, JULY 17, 1997.
 RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	61.39	JAN. 31, 1997	58.38	APR. 28, 1997	61.26	JULY 17, 1997	67.02

ALLEN PARISH

303004092541101 LOCAL WELL NUMBER: AL-241

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 6S., R. 5W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 62 FT, SCREENED 59-62. MP TOP OF 1 1/4-IN. CASING, 4.00 FT ABOVE LSD.
 LSD 42.97 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 23.84 BELOW LSD, MAR. 21, 1961,
 LOWEST WATER LEVEL 34.26 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1957-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	32.81	JAN. 30, 1997	30.41	APR. 29, 1997	29.17	JULY 16, 1997	31.46

See footnotes at end of table.

GROUND-WATER LEVELS

ALLEN PARISH--Continued

303118092493901 LOCAL WELL NUMBER: AL-269

OWNER: QUATRE PARISH COMPANY. (SEC. 24, T. 6S., R. 5W.) DRILLED DOMESTIC ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 4 IN., DEPTH 660 FT, MP 1/2-IN. HOLE IN SANITARY SEAL, 1.38 FT ABOVE LSD. LSD 45 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 49.62 BELOW LSD, FEB. 13, 1996.
 LOWEST WATER LEVEL 54.57 BELOW LSD, MAY 18, 1993.
 RECORDS AVAILABLE 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	51.90	JAN. 30, 1997	50.92	APR. 29, 1997	50.22	JULY 16, 1997	51.20

ASCENSION PARISH

301544090543901 LOCAL WELL NUMBER: AN-267

OWNER: CITY OF GONZALES. (SEC. 16, T. 9S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 10 IN., DEPTH 488 FT, SCREENED 388-488. MP PLUG IN 2-IN. BREATHER CHLORINATOR PIPE, 6.1 FT ABOVE LSD. LSD 7 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.28 BELOW LSD, MAY 20, 1997.
 LOWEST WATER LEVEL 9.37 BELOW LSD, DEC. 1, 1995.
 RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1996	8.76	APR. 10, 1997	2.42	MAY 20, 1997	2.28	JULY 21, 1997	4.92
FEB. 27, 1997	5.10						

AVOYELLES PARISH

310453092022901 LOCAL WELL NUMBER: AV-164

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 192 FT, SCREENED 182-192. MP TOP OF CASING, 0.63 FT ABOVE LSD. LSD 80 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 33.78 BELOW LSD, JUNE 30, 1975.
 LOWEST WATER LEVEL 41.90 BELOW LSD, NOV. 5, 1992.
 RECORDS AVAILABLE 1966-79, 1985-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	37.89	JAN. 29, 1997	37.56	MAY 15, 1997	36.34	JULY 7, 1997	36.42

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 365-370. MP TOP OF BUSHING, 3.35 FT ABOVE LSD. LSD 95 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 55.02 BELOW LSD, JULY 18, 1973.
 LOWEST WATER LEVEL 67.49 BELOW LSD, MAR. 4, 1981.
 RECORDS AVAILABLE 1966-84, 1986-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	62.02	JAN. 29, 1997	61.60	MAY 15, 1997	60.82	JULY 9, 1997	61.59

GROUND-WATER LEVELS

AVOYELLES PARISH-Continued

311708092073701 LOCAL WELL NUMBER: AV-329

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 4N., R. 3E.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 45 FT, SCREENED 42-45. MP TOP OF CASING, AT LSD.

LSD 45.6 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 0.10 ABOVE LSD, MAR. 15, 1973,

LOWEST WATER LEVEL 13.00 BELOW LSD, OCT. 27, 1983.

RECORDS AVAILABLE 1968-76, 1980-85, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	7.45	JAN. 29, 1997	1.18	MAY 15, 1997	3.82	JULY 9, 1997	5.99

BEAUREGARD PARISH

303644093020401 LOCAL WELL NUMBER: BE-430

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 5S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 123 FT, SCREENED 118-123. MP TOP OF 2-IN. GALV. PIPE, 3.00 FT ABOVE LSD.

LSD 120 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 57.57 BELOW LSD, JULY 11, 1995,

LOWEST WATER LEVEL 63.43 BELOW LSD, DEC. 7, 1993.

RECORDS AVAILABLE 1974-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	58.47	JAN. 30, 1997	58.88	APR. 29, 1997	58.31	JULY 16, 1997	58.10

305018093251301 LOCAL WELL NUMBER: BE-443

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 164 FT, SCREENED 159-164. MP TOP OF 2-IN. GALV. PIPE, 2.40 FT ABOVE LSD.

LSD 206 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 33.16 BELOW LSD, APR. 8, 1992,

LOWEST WATER LEVEL 37.71 BELOW LSD, OCT. 6, 1993.

RECORDS AVAILABLE 1974-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	36.10	JAN. 31, 1997	35.45	APR. 1, 1997	34.34	JULY 8, 1997	35.34

BIENVILLE PARISH

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 630 FT, SCREENED 620-630. MP TOP OF CASING, 2.85 FT ABOVE LSD.

LSD 320 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970,

LOWEST WATER LEVEL 236.48 BELOW LSD, MAY 14, 1996.

RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	236.42	JAN. 31, 1997	232.74	MAY 13, 1997	234.37	JULY 7, 1997	232.88

GROUND-WATER LEVELS

BIENVILLE PARISH-Continued

322436092500501 LOCAL WELL NUMBER: BI-166

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 16N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 472 FT, SCREENED 462-472. MP TOP OF BUSHING, 0.20 FT ABOVE LSD. LSD 260 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 155.21 BELOW LSD, APR. 28, 1975.
 LOWEST WATER LEVEL 181.88 BELOW LSD, JULY 7, 1997.
 RECORDS AVAILABLE 1975-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVELS
OCT. 1, 1996	181.43	JAN. 31, 1997	181.83	MAY 13, 1997	181.75	JULY 7, 1997	181.88

BOSSIER PARISH

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 10, T. 18N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 66 FT, SCREENED 63-66. MP TOP OF BUSHING, 2.8 FT ABOVE LSD. LSD 200 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 6.49 BELOW LSD, DEC. 13, 1983.
 LOWEST WATER LEVEL 17.53 BELOW LSD, NOV. 2, 1988.
 RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	12.04	JAN. 30, 1997	10.87	MAY 13, 1997	9.41	JULY 7, 1997	9.93

CALCASIEU PARISH

301036093124401 LOCAL WELL NUMBER: CU-767

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 850 FT, SCREENED 840-850. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD. LSD 11.42 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 63.26 BELOW LSD, MAR. 29, 1963.
 LOWEST WATER LEVEL 105.98 BELOW LSD, SEP. 30, 1974.
 RECORDS AVAILABLE 1963-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1997	71.73						

301336093183001 LOCAL WELL NUMBER: CU-769

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WEL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 642 FT, SCREENED 632-642. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD. LSD 17.62 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 91.56 BELOW LSD, MAR. 28, 1963.
 LOWEST WATER LEVEL 146.44 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-79, 1981-83, 1985, 1995, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1997	98.43						

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 SEA LEVEL.
 HIGHEST WATER LEVEL 54.97 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 83.83 BELOW LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1963-79, 1981-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1997	60.17	MAR. 11, 1997	60.35				

300353093210201 LOCAL WELL NUMBER: CU-787

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WEL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 734 FT, SCREENED 729-734. MP TOP OF 2-IN. CASING, 4.0 FT ABOVE LSD.
 LSD 4.33 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 46.98 BELOW LSD, APR. 13, 1965,
 LOWEST WATER LEVEL 78.58 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-79, 1981-83, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1997	52.60						

301100093200001 LOCAL WELL NUMBER: CU-789

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 640 FT, SCREENED 635-640. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD.
 LSD 18.42 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 85.42 BELOW LSD, MAR. 7, 1991,
 LOWEST WATER LEVEL 131.68 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, 1977-79, 1981-83, 1985, 1991, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	91.46	JAN. 30, 1997	87.11	APR. 29, 1997	86.85	JULY 16, 1997	90.55

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LOUISIANA OFFICE OF PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 205 FT, SCREENED 200-205. MP TOP OF CASING, 0.87 FT BELOW LSD.
 LSD 12 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 50.41 BELOW LSD, FEB. 23, 1993,
 LOWEST WATER LEVEL 73.05 BELOW LSD, SEP. 10, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	WATER DATE	LEVEL
OCT. 22, 1996	56.18	JAN. 30, 1997	54.29	APR. 29, 1997	53.28	JULY 16, 1997	54.40

GROUND-WATER LEVELS

CALCASIEU PARISH-Continued

301213093191701 LOCAL WELL NUMBER: CU-851

OWNER: LOUISIANA OFFICE OF PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 555 FT, SCREENED 550-555. MP TOP OF 3-IN. COLLAR, 1.47 FT ABOVE LSD. RECORDER DESTROYED AUG. 1997.
 LSD 10 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 92.52 BELOW LSD, MAR. 20, 1997.
 LOWEST WATER LEVEL 145.67 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-83, 1990-91, 1995-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1996	100.39	DEC. 15, 1996	94.96	FEB. 28, 1997	94.11	MAY 10, 1997	94.62
OCT. 5	100.05	DEC. 20	96.10	MAR. 5	93.97	MAY 15	94.78
OCT. 10	99.89	DEC. 25	95.30	MAR. 10	93.90	MAY 20	95.17
OCT. 15	100.04	DEC. 31	94.80	MAR. 15	93.93	MAY 25	94.87
OCT. 20	99.58	JAN. 5, 1997	94.33	MAR. 20	92.52	MAY 31	96.40
OCT. 22	99.60H	JAN. 10	94.32	MAR. 25	92.60	JUNE 5	96.97
OCT. 25	99.04	JAN. 15	95.52	MAR. 31	93.65	JUNE 10	96.74
OCT. 31	98.53	JAN. 20	94.91	APR. 5	93.67	JUNE 15	96.88
NOV. 5	98.37	JAN. 25	94.32	APR. 10	93.71	JUNE 20	97.77
NOV. 10	97.86	JAN. 30	93.92H	APR. 15	93.20	JUNE 25	97.44
NOV. 15	97.46	JAN. 31	94.01	APR. 20	93.28	JUNE 30	98.21
NOV. 20	96.69	FEB. 5	94.87	APR. 25	93.36	JULY 5	98.54
NOV. 25	95.95	FEB. 10	93.57	APR. 29	93.12H	JULY 10	97.96
NOV. 30	94.85	FEB. 15	93.06	APR. 30	93.52	JULY 15	98.47
DEC. 5	94.87	FEB. 20	93.37	MAY 5	93.62	JULY 16	98.61H
DEC. 10	94.97	FEB. 25	93.96				

CALDWELL PARISH

320555092043501 LOCAL WELL NUMBER: CA-130

OWNER: TOWN OF COLUMBIA. (SEC. 20, T. 13N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 260 FT, SCREENED 240-260. MP TOP OF CASING, 3.0 FT ABOVE LSD.
 LSD 90 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 15.88 BELOW LSD, MAY 12, 1997.
 LOWEST WATER LEVEL 26.74 BELOW LSD, OCT. 1, 1996.
 RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	26.74	JAN. 8, 1997	23.73	MAY 12, 1997	15.88	JULY 8, 1997	20.20

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 SEA LEVEL.
 HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965.
 LOWEST WATER LEVEL 33.44 BELOW LSD, AUG. 7, 1996.
 RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	32.20	JAN. 29, 1997	28.09	APR. 29, 1997	27.55	JULY 16, 1997	32.54

See footnotes at end of table.

GROUND-WATER LEVELS

CAMERON PARISH-Continued

300120093320802 LOCAL WELL NUMBER: CN-86L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN., DEPTH 641 FT, SCREENED 631-641. MP TOP OF 1 1/2-IN. PIPE, 2.91 FT ABOVE LSD.
 LSD 3.66 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 32.16 BELOW LSD, APR. 12, 1965,
 LOWEST WATER LEVEL 51.34 BELOW LSD, SEP. 19, 1971.
 RECORDS AVAILABLE 1964-83, 1985, 1990, 1993, 1995-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1997	36.99						

300055093093004 LOCAL WELL NUMBER: CN-88L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN., DEPTH 804 FT, SCREENED 794-804. MP TOP OF 1 1/2-IN. PIPE, 2.68 FT ABOVE LSD.
 LSD 8.86 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 40.27 BELOW LSD, APR. 13, 1965,
 LOWEST WATER LEVEL 66.95 BELOW LSD, JULY 21, 1978.
 RECORDS AVAILABLE 1964-79, 1981-83, 1985-86, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1997	47.12						

295611093044801 LOCAL WELL NUMBER: CN-90

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 13S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 396 FT, SCREENED 386-396. MP TOP OF 4 TO 2-IN. BELL REDUCER, 2.00 FT ABOVE LSD.
 LSD 3.19 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 20.40 BELOW LSD, MAR. 24, 1964,
 LOWEST WATER LEVEL 37.61 BELOW LSD, NOV. 17, 1992.
 RECORDS AVAILABLE 1964, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1997	25.80						

300104093015601 LOCAL WELL NUMBER: CN-92

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 12, T. 12S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 443 FT, SCREENED 438-443. MP TOP OF 2-IN. CAS-ING, 2.00 FT ABOVE LSD.
 LSD 5.5 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 26.02 BELOW LSD, APR. 13, 1965,
 LOWEST WATER LEVEL 53.96 BELOW LSD, AUG. 14, 1973.
 RECORDS AVAILABLE 1964-85, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1997	31.12						

GROUND-WATER LEVELS

CATAHOULA PARISH

315007091410601 LOCAL WELL NUMBER: CT-347

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 10N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 76 FT, SCREENED 73-76. MP TOP OF CASING, 3.50 FT ABOVE LSD.

LSD 70 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 25.34 BELOW LSD, JULY 7, 1994,

LOWEST WATER LEVEL 27.17 BELOW LSD, OCT. 2, 1996.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	27.17	FEB. 3, 1997	27.08	MAY 15, 1997	26.46	JULY 8, 1997	26.62

CLAIBORNE PARISH

330002092445901 LOCAL WELL NUMBER: CL-149

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 736 FT, SCREENED 726-736. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.

LSD 230 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980,

LOWEST WATER LEVEL 294.44 BELOW LSD, JULY 9, 1997.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	294.36	JAN. 16, 1997	294.14	MAY 13, 1997	293.99	JULY 9, 1997	294.44

CONCORDIA PARISH

312614091400001 LOCAL WELL NUMBER: CO-205

OWNER: ANGELINA PLANTATION. (SEC. 4, T. 5N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 130 FT, SCREENED 110-130. MP TOP OF CASING, 1.10 FT ABOVE LSD.

LSD 45 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 6.03 BELOW LSD, MAR. 24, 1994,

LOWEST WATER LEVEL 18.74 BELOW LSD, SEP. 4, 1997.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 13, 1997	6.78	SEP. 4, 1997	18.74				

312630091390001 LOCAL WELL NUMBER: CO-215

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 3, T. 5N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 121 FT, SCREENED 118-121. MP TOP OF CASING, 3.4 FT ABOVE LSD.

LSD 45 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 5.13 BELOW LSD, MAY 15, 1997,

LOWEST WATER LEVEL 14.25 BELOW LSD, SEP. 26, 1990.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	11.77	MAR. 13, 1997	5.34	JULY 8, 1997	7.51	SEP. 4, 1997	13.70
JAN. 7, 1997	8.65	MAY 15	5.13				

GROUND-WATER LEVELS

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 WIL-COX AQUIFER 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 SEA LEVEL.

HIGHEST WATER LEVEL 77.54 BELOW LSD, OCT. 5, 1993,

LOWEST WATER LEVEL 84.18 BELOW LSD, DEC. 10, 1985.

RECORDS AVAILABLE 1977-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1996	78.72	JAN. 30, 1997	78.81	MAY 14, 1997	78.43	JULY 7, 1997	78.56

320153093583601 LOCAL WELL NUMBER: DS-517

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 12N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WIL-COX AQUIFER OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 131 FT, SCREENED 129-131. MP TOP OF BUSHING, AT LSD.

LSD 225 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 13.33 BELOW LSD, APR. 19, 1995,

LOWEST WATER LEVEL 17.64 BELOW LSD, SEP. 24, 1984.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1996	15.15	JAN. 30, 1997	14.54	MAY 14, 1997	13.95	JULY 7, 1997	13.98

EAST BATON ROUGE PARISH

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER COMPANY. (SEC. 77, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN., REPORTED DEPTH 2,120 FT, SCREENED 2,025-2,120. MP TOP OF COLLAR, 1.10 FT ABOVE LSD.

LSD 59.05 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943,

LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.

RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1996	211.44	APR. 30, 1997	208.83	MAY 20, 1997	205.60	JULY 23, 1997	221.34

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302653091095701LOCAL WELL NUMBER: EB-146

OWNER: EAST BATON ROUGE CITY-PARISH. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., REPORTED DEPTH 1,259 FT, SCREENED 1,199-1,259. MP EDGE OF 3/8-IN. HOLE IN PLATE ATOP 6-IN. CASING, 0.45 FT BELOW LSD.
 LSD 52 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916,
 LOWEST WATER LEVEL 118.15 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	106.23	FEB. 11, 1997	102.51	APR. 30, 1997	103.20	JULY 27, 1997	107.36

302930091101501 LOCAL WELL NUMBER: EB-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., REPORTED DEPTH 412 FT, SCREENED 311-412. MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.
 LSD 60.14 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 57.81 BELOW LSD, MAR. 25, 1990, MAY 10, 1991, MAY 15, 1991, MAY 30, 1991,
 LOWEST WATER LEVEL 185.30 BELOW LSD, OCT. 15, 1968.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	91.87H	DEC. 25, 1996	87.12	MAR. 25, 1997	76.39	JUNE 25, 1997	82.61
OCT. 3	91.97H	DEC. 31	87.38	APR. 31	78.80	JUNE 30	83.26
OCT. 4	92.17H	JAN. 5, 1997	82.36	APR. 5	77.82	JULY 5	83.82
OCT. 5	92.17	JAN. 10	84.67	APR. 10	79.99	JULY 10	83.84
OCT. 10	90.76	JAN. 15	78.48	APR. 15	80.65	JULY 15	83.72
OCT. 15	92.39	JAN. 20	82.60	APR. 20	81.12	JULY 20	84.92
OCT. 20	92.84	JAN. 25	79.59	APR. 25	81.83H	JULY 25	85.57H
OCT. 24	93.33J	JAN. 27	82.35H	APR. 30	80.19	JULY 31	82.71
OCT. 25	91.31	JAN. 31	79.55	MAY 5	82.01	AUG. 5	80.61
OCT. 31	92.83	FEB. 5	80.23	MAY 10	82.13	AUG. 10	85.12
NOV. 5	92.57	FEB. 10	79.17	MAY 15	83.34	AUG. 15	85.98
NOV. 10	92.71	FEB. 15	78.52	MAY 20	83.87	AUG. 20	86.49
NOV. 15	88.09	FEB. 20	81.81	MAY 23	80.87H	AUG. 25	87.01H
NOV. 20	90.86	FEB. 26	81.94H	MAY 25	75.68	AUG. 30	86.92
NOV. 25	91.28	FEB. 28	80.53	MAY 31	80.63	SEP. 5	87.79
NOV. 30	91.37	MAR. 5	78.96	JUNE 5	83.45	SEP. 10	88.47
DEC. 3	91.21H	MAR. 10	74.23	JUNE 10	83.79	SEP. 15	89.22
DEC. 5	90.30	MAR. 11	73.56J	JUNE 15	84.47	SEP. 20	89.80
DEC. 10	86.42	MAR. 15	75.76	JUNE 20	84.23	SEP. 25	89.98H
DEC. 15	88.04	MAR. 20	74.60	JUNE 24	82.71H	SEP. 30	90.36
DEC. 20	84.86						

303001091093801 LOCAL WELL NUMBER: EB-168

OWNER: BATON ROUGE WATER COMPANY. (SEC. 38, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 1,496 FT, SCREENED 1,416-1,496. MP TOP EDGE OF 1 1/2-IN. COLLAR ON PLATE ATOP CASING, 1.95 FT ABOVE LSD.
 LSD 56 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943,
 LOWEST WATER LEVEL 148.45 BELOW LSD, NOV. 17, 1994.
 RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	133.27	FEB. 12, 1997	140.64	APR. 30, 1997	141.88	JULY 23, 1997	141.23

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

303026091113001 LOCAL WELL NUMBER: EB-297

OWNER: LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 1,940 FT, SCREENED 1,890-1,940. MP TOP OF 4-IN. NIPPLE ATOP 2-IN. CROSS, 2.20 FT ABOVE LSD.

LSD 61 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 38.00 ABOVE LSD, 1937,

LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.

RECORDS AVAILABLE 1937, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	254.62	FEB. 12, 1997	242.31	APR. 30, 1997	243.38	JULY 23, 1997	251.29

303440090592702 LOCAL WELL NUMBER: EB-304

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,725 FT, SCREENED 1,685-1,725. MP TOP OF 2-IN. COUPLING WELDED ON TOP OF CASING, 2.40 FT ABOVE LSD.

LSD 67 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941,

LOWEST WATER LEVEL 66.19 BELOW LSD, OCT. 7, 1997.

RECORDS AVAILABLE 1941, 1943-46, 1949-51, 1954-70, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	66.19	FEB. 12, 1997	63.65	APR. 29, 1997	60.60	JULY 23, 1997	63.24

303441091074201 LOCAL WELL NUMBER: EB-322

OWNER: JOSEPH ROY BADEAUX. (SEC. 29, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 TO 2 IN., DEPTH 1,971 FT, SCREENED 1,931-1,971. MP TOP EDGE OF 2 1/2-IN. CASING, 0.25 FT ABOVE LSD.

LSD 68 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942,

LOWEST WATER LEVEL 83.40 BELOW LSD, OCT. 7, 1996.

RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	83.40	FEB. 12, 1997	81.87	APR. 29, 1997	80.61	JULY 24, 1997	82.21

302820091072401 LOCAL WELL NUMBER: EB-327

OWNER: SPEDALE ESTATE. (SEC. 73, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200- FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 1,236 FT, SCREENED 1,186-1,236. MP TOP OF 2-IN. CASING EXTENSION, 1.40 FT ABOVE LSD.

LSD 55 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974,

LOWEST WATER LEVEL 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
OCT. 8, 1996	111.36	FEB. 12, 1997	108.24	APR. 30, 1997	108.54	JULY 23, 1997	113.70

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 TOP EDGE OF 12-IN. CASING, AT LSD.
 LSD 64.4 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942,
 LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.
 RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1996	285.34	FEB. 18, 1997	271.72	APR. 30, 1997	272.10	JULY 10, 1997	280.04
OCT. 9	285.93	FEB. 20	271.09	MAY 2	270.51H	JULY 15	281.48
OCT. 10	283.40	FEB. 25	271.12	MAY 5	265.66	JULY 20	281.70
OCT. 15	282.12	FEB. 28	272.77	MAY 10	268.66	JULY 25	282.34
DEC. 5	276.74	MAR. 5	272.48	MAY 15	264.74	JULY 31	283.43
DEC. 10	278.65	MAR. 10	270.15	MAY 20	262.96	AUG. 5	287.44
DEC. 15	268.83	MAR. 15	270.33	MAY 25	269.89	AUG. 10	295.12
DEC. 20	285.85	MAR. 20	261.40	MAY 31	272.16	AUG. 15	298.37
JAN. 3, 1997	276.38H	MAR. 25	264.62	JUNE 5	271.92	AUG. 20	299.30
JAN. 5	277.37	MAR. 31	267.10	JUNE 10	276.39	AUG. 25	301.90
JAN. 7	278.49H	APR. 5	266.13	JUNE 15	279.54	AUG. 31	302.70
JAN. 31	274.00	APR. 10	266.61	JUNE 20	275.35	SEP. 5	302.70
FEB. 5	273.31	APR. 15	265.84	JUNE 25	283.62	SEP. 10	302.70
FEB. 10	271.06	APR. 20	269.18	JUNE 30	279.61	SEP. 15	302.70
FEB. 15	271.45	APR. 25	272.05	JULY 5	285.28	SEP. 20	301.00

302844091033601 LOCAL WELL NUMBER: EB-392

OWNER: GENERAL SERVICES ADMIN. (SEC. 36, T. 6S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 1,464 FT, SCREENED 1,389-1,464. MP LOWER EDGE OF COLLAR ON NORTH SIDE OF WELL CASING, 1.00 FT ABOVE LSD.
 LSD 50 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 20.75 ABOVE LSD, SEP. 6, 1942,
 LOWEST WATER LEVEL 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
OCT. 7, 1996	90.77	FEB. 14, 1997	88.41	APR. 29, 1997	89.65	JULY 23, 1997	93.28

302642091083201 LOCAL WELL NUMBER: EB-413

OWNER: BATON ROUGE WATER COMPANY (SEC. 81, T. 7S., R. 1E.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 12 TO 10 IN., DEPTH 1,745 FT, SCREENED 1,511-1690 AND 1,700-1,745. MP LOWER EDGE OF HORIZONTAL PIPE TAPPED IN SIDE OF CASING, 2.27 FT ABOVE LSD.
 LSD 49.0 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 55.43 ABOVE LSD, SEP. 4, 1958,
 LOWEST WATER LEVEL 142.39 BELOW LSD, JULY 19, 1996.
 RECORDS AVAILABLE 1958, 1990, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 4, 1958	55.43	MAY 8, 1990	141.96	JULY 19, 1996	142.39	JUNE 27, 1997	141.39

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 611 FT, SCREENED 551-611. MP TOP OF 2-IN. NIPPLE, 1.58 FT ABOVE LSD.
 LSD 45.44 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 43.24 ABOVE LSD, MAY 10, 1990,
 LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.
 RECORDS AVAILABLE 1961-93, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1996	64.22						

303408091075001 LOCAL WELL NUMBER: EB-468

OWNER: A.M. HOLDEN. (SEC. 53, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,407 FT, SCREENED 2,319-2,407. MP TOP EDGE OF 3/4-IN. HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 73 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948,
 LOWEST WATER LEVEL 76.25 BELOW LSD, JULY 24, 1997.
 RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	73.61	FEB. 12, 1997	73.85	APR. 29, 1997	72.73	JULY 24, 1997	76.25

303440090592703 LOCAL WELL NUMBER: EB-581

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 IN., DEPTH 2,590 FT, SCREENED 2,540-2,590. MP TOP OF 1-IN. PIPE ON SIDE OF 8-IN. CASING, 1.90 FT ABOVE LSD.
 LSD 67 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956,
 LOWEST WATER LEVEL 51.02 BELOW LSD, JULY 23, 1997.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	49.84	FEB. 12, 1997	50.56	APR. 29, 1997	49.10	JULY 23, 1997	51.02

303350091100901 LOCAL WELL NUMBER: EB-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 3 IN., DEPTH 1,640 FT, SCREENED 1,580-1,640. MP TOP EDGE OF 3/8-IN. GALVANIZED NIPPLE, 1.73 FT ABOVE LSD.
 LSD 65 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959,
 LOWEST WATER LEVEL 184.37 BELOW LSD, NOV. 15, 1972.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	157.42	FEB. 18, 1997	150.62	APR. 29, 1997	147.22	JULY 24, 1997	151.42

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302509091082701 LOCAL WELL NUMBER: EB-778

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,586 FT, SCREENED 2,581-2,586. MP TOP EDGE OF 4-IN COLLAR, 0.25 FT BELOW LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965,
 LOWEST WATER LEVEL 10.58 BELOW LSD, JAN. 9, 1996.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1996	8.45	FEB. 11, 1997	7.43	APR. 30, 1997	10.37	JULY 24, 1997	8.52
NOV. 20	7.83						

302509091082702 LOCAL WELL NUMBER: EB-780A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,622 FT, SCREENED 1,617-1,622. MP TOP OF 4-IN. COLLAR, 0.14 FT ABOVE LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966,
 LOWEST WATER LEVEL 37.41 BELOW LSD, NOV. 17, 1994.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1996	36.19	FEB. 11, 1997	35.36	APR. 30, 1997	35.29	JULY 24, 1997	36.46
NOV. 19	35.33						

302535091090401 LOCAL WELL NUMBER: EB-781

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP OF 2-IN. AIRLINE, 2.82 FT ABOVE LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 119.12 BELOW LSD, MAR. 15, 1966,
 LOWEST WATER LEVEL 241.60 BELOW LSD, AUG. 14, 1973.
 RECORDS AVAILABLE 1965-88, 1990-93, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1996	181.58						

302535091090402 LOCAL WELL NUMBER: EB-782A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,189 FT, SCREENED 1,184-1,189. MP TOP OF 2-IN. CASING, 2.0 FT ABOVE LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 17.37 BELOW LSD, JAN. 14, 1994,
 LOWEST WATER LEVEL 26.75 BELOW LSD, OCT. 22, 1981.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	25.26	FEB. 11, 1997	24.79	APR. 30, 1997	22.51	JULY 24, 1997	23.08
NOV. 25	25.17						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302502091113601 LOCAL WELL NUMBER: EB-783A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 2,179 FT, SCREENED 2,174-2,179. MP TOP EDGE OF 1/2-IN. HOLE IN SANITARY SEAL, 2.00 FT ABOVE LSD.
 LSD 26 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966,
 LOWEST WATER LEVEL 68.27 BELOW LSD, JUNE 30, 1993.
 RECORDS AVAILABLE 1965-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 12, 1996	64.34						

302511091070401 LOCAL WELL NUMBER: EB-789A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 711 FT, SCREENED 707-711. MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.
 LSD 37 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.50 BELOW LSD, MAY 17, 1979,
 LOWEST WATER LEVEL 33.40 BELOW LSD, OCT. 12, 1988.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	28.26	FEB. 11, 1997	19.78	APR. 30, 1997	11.19	JULY 24, 1997	19.78

302511091070402 LOCAL WELL NUMBER: EB-789B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,721 FT, SCREENED 1,717-1,721. MP TOP OF 2-IN. CASING, 0.88 FT ABOVE LSD.
 LSD 37 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966,
 LOWEST WATER LEVEL 46.62 BELOW LSD, JULY 7, 1997.
 RECORDS AVAILABLE 1965-93, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1997	46.13	JULY 7, 1997	46.62				

302719091103201 LOCAL WELL NUMBER: EB-793

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 71, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 687 FT, SCREENED 683-687. MP TOP EDGE OF 2-IN. LINER, 2.00 FT ABOVE LSD.
 LSD 35.3 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 36.56 BELOW LSD, JULY 23, 1990,
 LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.
 RECORDS AVAILABLE 1965-93, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1996	55.80						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302306091022602 LOCAL WELL NUMBER: EB-803B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,565 FT, SCREENED 2,561-2,565. MP CENTER LINE OF FAUCET IN TOP OF 2-IN. CASING, 3.5 FT ABOVE LSD.
 LSD 27 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 53.10 ABOVE LSD, APR. 4, 1966,
 LOWEST WATER LEVEL 11.60 ABOVE LSD, MAY 7, 1982.
 RECORDS AVAILABLE 1966-90, 1991-92, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1997	+12.00						

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 4-IN. CASING, 1.57 FT ABOVE LSD.
 LSD 46 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 114.45 BELOW LSD, SEP. 22, 1993.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	102.60	FEB. 11, 1997	102.45	MAY 1, 1997	102.97	JULY 24, 1997	104.11
DEC. 11	101.01						

302428091035002 LOCAL WELL NUMBER: EB-804B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,762 FT, SCREENED 2,758-2,762. MP TOP OF 2-IN. CASING, 2.37 FT ABOVE LSD.
 LSD 46 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966,
 LOWEST WATER LEVEL 109.62 BELOW LSD, AUG. 2, 1995.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	101.14	FEB. 11, 1997	98.27	MAY 1, 1997	94.96	JULY 24, 1997	104.55
DEC. 11	98.83						

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,072 FT, SCREENED 1,068-1,072. MP TOP OF 1/2-IN. HOLE IN CAP, 1.25 FT ABOVE LSD.
 LSD 46 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 71.12 BELOW LSD, OCT. 8, 1996.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	71.12	FEB. 11, 1997	67.85	MAY 1, 1997	65.80	JULY 24, 1997	66.93
DEC. 11	69.72						

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 72, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,579 FT, SCREENED 2,575-2,579. MP TOP EDGE OF 1 1/2-IN. NIPPLE, 1.83 FT ABOVE LSD.
 LSD 46.5 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966.
 LOWEST WATER LEVEL 206.86 BELOW LSD, AUG. 4, 1995.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	191.51	FEB. 12, 1997	187.48	APR. 30, 1997	185.97	JULY 24, 1997	197.62

302611091091091201 LOCAL WELL NUMBER: EB-807A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,713 FT, SCREENED 1,709-1,713. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 34.86 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, APR. 24, 1969.
 LOWEST WATER LEVEL 150.29 BELOW LSD, OCT. 9, 1992.
 RECORDS AVAILABLE 1965-93, 1995, 1996.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1996	131.58						

302553091092001 LOCAL WELL NUMBER: EB-824

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 581 FT, SCREENED 575-581. MP TOP OF 2-IN. CASING, 0.50 FT ABOVE LSD.
 LSD 33.56 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 28.84 BELOW LSD, JULY 10, 1990.
 LOWEST WATER LEVEL 90.29 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	50.87	FEB. 11, 1997	44.52	APR. 30, 1997	38.28	JULY 24, 1997	43.03

302553091092002 LOCAL WELL NUMBER: EB-825

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 475 FT, SCREENED 469-475. MP TOP OF 2-IN. CASING, 0.50 FT ABOVE LSD.
 LSD 33.57 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 29.21 BELOW LSD, MAY 9, 1990.
 LOWEST WATER LEVEL 63.45 BELOW LSD, NOV. 8, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	42.50	FEB. 11, 1997	38.18	APR. 30, 1997	34.10	JULY 24, 1997	37.10
NOV. 22	42.25						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

303356091095301 LOCAL WELL NUMBER: EB-827

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 364-370. MP TOP OF 2-IN. CASING, 0.50 FT ABOVE LSD.
 LSD 63.96 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 36.97 BELOW LSD, APR. 29, 1997,
 LOWEST WATER LEVEL 68.13 BELOW LSD, NOV. 1, 1968.
 RECORDS AVAILABLE 1967-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	50.94	FEB. 14, 1997	43.72	APR. 29, 1997	36.97	JULY 24, 1997	42.22

303851091161001 LOCAL WELL NUMBER: EB-839

OWNER: GEORGIA-PACIFIC CORP. (SEC. 38, T. 5S., R. 2W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 IN., DEPTH 770 FT, SCREENED 700-770. MP TOP OF EAST EDGE OF WELL PROTECTOR, 3.2 FT ABOVE LSD.
 LSD 80 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 64.68 BELOW LSD, JAN. 30, 1969,
 LOWEST WATER LEVEL 127.56 BELOW LSD, OCT. 30, 1995.
 RECORDS AVAILABLE 1969, 1990, 1994-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1996	118.35	APR. 10, 1997	105.47	APR. 29, 1997	104.83	JULY 25, 1997	113.03
FEB. 18	93.74						

303912091150801 LOCAL WELL NUMBER: EB-849

OWNER: GEORGIA-PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,380 FT, SCREENED 1,250-1,270 AND 1,350-1,380. MP TOP OF 6-IN. CASING, 1.70 FT ABOVE LSD.
 LSD 91 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966,
 LOWEST WATER LEVEL 142.28 BELOW LSD, OCT. 31, 1990.
 RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1996	135.40	FEB. 14, 1997	133.88	APR. 29, 1997	127.74	JULY 24, 1997	135.53

302729091100601 LOCAL WELL NUMBER: EB-870

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 44, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 692 FT, SCREENED 687- 692. MP TOP OF CASING, AT LSD.
 LSD 50 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 48.33 BELOW LSD, JULY 10, 1990,
 LOWEST WATER LEVEL 142.48 BELOW LSD, OCT. 5, 1971.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	76.43	FEB. 12, 1997	68.33	APR. 30, 1997	62.15	JULY 23, 1997	67.31
DEC. 2	72.60						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302710091111501 LOCAL WELL NUMBER: EB-887

OWNER: LOUISIANA CIVIL DEFENSE. (SEC. 71, T. 7S., R. 1W.) DRILLED EMERGENCY SUPPLY ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 903 FT, SCREENED 863-903. MP FROM LAND SURFACE TO 1/2-IN. HOLE ON SANITARY SEAL, 10.1 FT BELOW LSD.

LSD 56 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 17.39 BELOW LSD, APR. 30, 1997,

LOWEST WATER LEVEL 40.61 BELOW LSD, OCT. 30, 1995.

RECORDS AVAILABLE 1994-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1996	37.92	FEB. 14, 1997	26.44	APR. 30, 1997	17.39	JULY 24, 1997	28.12

303905090583301 LOCAL WELL NUMBER: EB-896

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 51, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 73 FT, SCREENED 70-73. MP TOP OF 1 1/4-IN. CASING, AT LSD.

LSD 82 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 9.11 BELOW LSD, JUNE 14, 1995,

LOWEST WATER LEVEL 21.40 BELOW LSD, NOV. 21, 1994.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	9.59	FEB. 12, 1997	15.38	APR. 29, 1997	14.12	JULY 23, 1997	14.23

302614091083001 LOCAL WELL NUMBER: EB-917

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,736 FT, SCREENED 1,731-1,736. MP TOP OF 4-IN. COUPLING, 0.20 FT ABOVE LSD.

LSD 46.56 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978,

LOWEST WATER LEVEL 150.27 BELOW LSD, OCT. 6, 1992.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1996	139.06	JAN. 5, 1997	135.96	APR. 10, 1997	140.58H	JULY 5, 1997	141.68
OCT. 8	137.52H	JAN. 10	137.95	APR. 15	141.00	JULY 10	141.24
OCT. 10	135.43	JAN. 15	137.49	APR. 20	140.08	JULY 15	140.38
OCT. 15	137.97	JAN. 20	137.60	APR. 25	142.09	JULY 20	141.24
OCT. 20	137.26	JAN. 25	139.36	APR. 30	140.57H	JULY 25	142.75H
OCT. 25	134.41	JAN. 31	138.82	MAY 5	140.74	JULY 31	142.88
OCT. 31	133.00	FEB. 5	139.16	MAY 10	143.42	AUG. 5	141.86
NOV. 5	133.15	FEB. 10	137.71	MAY 15	143.57	AUG. 10	141.48
NOV. 10	133.16	FEB. 15	137.22	MAY 20	142.58	AUG. 15	142.00
NOV. 13	130.01H	FEB. 18	137.74H	MAY 23	143.37H	AUG. 19	143.31H
NOV. 15	130.32H	FEB. 20	139.12	MAY 25	140.56	AUG. 20	144.30
NOV. 20	134.29	FEB. 25	137.92	MAY 28	138.01	AUG. 25	142.93
NOV. 25	135.92	FEB. 28	138.01	MAY 31	142.57	AUG. 31	143.75
NOV. 30	136.44	MAR. 5	138.85	JUNE 5	144.67	SEP. 5	143.43
DEC. 5	138.23	MAR. 10	138.24	JUNE 10	142.62	SEP. 10	145.05
DEC. 10	137.69	MAR. 15	139.35	JUNE 15	141.51	SEP. 15	146.58
DEC. 13	138.07H	MAR. 20	141.21	JUNE 20	140.59	SEP. 20	148.51
DEC. 15	137.35	MAR. 25	139.91	JUNE 25	142.68	SEP. 23	149.37J
DEC. 20	140.79	MAR. 31	138.33	JUNE 27	141.44H	SEP. 25	147.12
DEC. 25	138.31	APR. 5	138.48	JUNE 30	140.95	SEP. 30	147.51
DEC. 31	136.36						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302547091074401 LOCAL WELL NUMBER: EB-918

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 91, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,834 FT, SCREENED 1,829-1,834. MP TOP EDGE OF 4-IN. COLLAR, AT LSD.
 LSD 40 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973,
 LOWEST WATER LEVEL 137.78 BELOW LSD, OCT. 7, 1992.
 RECORDS AVAILABLE 1973-91, 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1996	127.26	JULY 7, 1997	131.14				

302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 592- 603. MP TOP OF 2-IN. CASING, 1.30 FT ABOVE LSD.
 LSD 51 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 44.67 BELOW LSD, JULY 11, 1991,
 LOWEST WATER LEVEL 67.84 BELOW LSD, NOV. 18, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	56.52	FEB. 12, 1997	53.77	APR. 29, 1997	50.78	JULY 23, 1997	52.13

302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 385 FT, SCREENED 372-385. MP TOP OF 2-IN. CASING, 1.10 FT ABOVE LSD.
 LSD 51 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 37.55 BELOW LSD, JULY 11, 1991,
 LOWEST WATER LEVEL 55.98 BELOW LSD, NOV. 18, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	48.06	FEB. 12, 1997	47.73	APR. 29, 1997	43.26	JULY 23, 1997	44.59

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,792 FT, SCREENED 2,782-2,792. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 1.63 FT ABOVE LSD.
 LSD 59 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975,
 LOWEST WATER LEVEL 54.44 BELOW LSD, SEP. 25, 1997.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	52.40	JAN. 27, 1997	53.37	APR. 25, 1997	52.72	JULY 25, 1997	54.34
NOV. 1	52.50	FEB. 26	52.56	MAY 23	53.22	AUG. 25	54.00
DEC. 3	51.96	MAR. 25	51.76	JUNE 24	53.42	SEP. 25	54.44
DEC. 30	52.43						

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 654 FT, SCREENED 644-654. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.27 FT ABOVE LSD.
 LSD 59 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 59.09 BELOW LSD, JULY 9, 1990,
 LOWEST WATER LEVEL 158.05 BELOW LSD, AUG. 26, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	92.51	JAN. 27, 1997	85.98	APR. 25, 1997	77.49	JULY 25, 1997	84.28
NOV. 1	90.30	FEB. 26	75.42	MAY 23	76.89	AUG. 25	86.63
DEC. 3	87.08	MAR. 25	77.10	JUNE 24	80.16	SEP. 25	82.87
DEC. 30	85.90						

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 1,234 FT, SCREENED 1,224-1,234. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.02 FT ABOVE LSD.
 LSD 59 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 97.73 BELOW LSD, JUNE 2, 1992,
 LOWEST WATER LEVEL 193.08 BELOW LSD, OCT. 2, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	127.70	JAN. 27, 1997	117.98	APR. 25, 1997	119.50	JULY 25, 1997	138.22
NOV. 1	126.11	FEB. 26	117.74	MAY 23	136.06	AUG. 25	133.70
DEC. 3	113.91	MAR. 25	118.26	JUNE 24	119.57	SEP. 25	148.00
DEC. 30	116.22						

303251091115001 LOCAL WELL NUMBER: EB-1000

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 69, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,926 FT, SCREENED 2,916-2,926. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 68 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 44.15 BELOW LSD, APR. 22, 1985,
 LOWEST WATER LEVEL 65.75 BELOW LSD, JULY 24, 1997.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	63.73	FEB. 12, 1997	64.10	APR. 29, 1997	63.79	JULY 24, 1997	65.75
JAN. 30, 1997	64.83						

302919091020501 LOCAL WELL NUMBER: EB-1019

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 52, T. 6S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 700 FT, SCREENED 690-700. MP TOP OF 2-IN. CASING, AT LSD.
 LSD 49 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 38.70 BELOW LSD, APR. 12, 1983,
 LOWEST WATER LEVEL 48.26 BELOW LSD, OCT. 8, 1996.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	48.26	FEB. 12, 1997	46.55	APR. 29, 1997	43.87	JULY 25, 1997	45.71

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 SEA LEVEL.
 HIGHEST WATER LEVEL 172.99 BELOW LSD, NOV. 2, 1994,
 LOWEST WATER LEVEL 245.19 BELOW LSD, JULY 23, 1981.
 RECORDS AVAILABLE 1981-88, 1991-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	202.76	FEB. 11, 1997	188.61	APR. 30, 1997	187.40	JULY 25, 1997	198.77
JAN. 6, 1997	190.42						

303853091165801 LOCAL WELL NUMBER: EB-1234

OWNER: GEORGIA-PACIFIC CORP. (SEC. 39, T. 5S., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400 & 600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 250 FT, SCREENED 210-250. MP TOP OF 4-IN. CASING, 1.5 FT ABOVE LSD.
 LSD 97 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 81.63 BELOW LSD, APR. 29, 1994,
 LOWEST WATER LEVEL 115.82 BELOW LSD, OCT. 30, 1995.
 RECORDS AVAILABLE 1990, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1996	106.47	APR. 7, 1997	87.56	APR. 29, 1997	87.43	JULY 29, 1997	99.66
FEB. 18, 1997	112.07						

302543091015001 LOCAL WELL NUMBER: EB-1264

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 7S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 498 FT, SCREENED 488-498. MP TOP OF 2-IN. COLLAR, AT LSD.
 LSD 38 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 33.32 BELOW LSD, MAY 22, 1995,
 LOWEST WATER LEVEL 40.85 BELOW LSD, JULY 8, 1996.
 RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	38.89	FEB. 11, 1997	35.41	APR. 30, 1997	35.19	JULY 23, 1997	37.23

302642091083401 LOCAL WELL NUMBER: EB-1274

OWNER: CAPITAL AREA GROUND WATER CONSERVATION COMMISSION. (SEC. 81, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 TO 4 IN., DEPTH 855 FT, SCREENED 835-855. MP TOP OF RIDGE ON FLANGE ON WEST SIDE, 4.3 FT ABOVE LSD.
 LSD 44 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 6.33 BELOW LSD, JULY 14, 1997,
 LOWEST WATER LEVEL 64.0 BELOW LSD, DEC. 17, 1997.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1997	38.89	FEB. 11, 1997	35.41	APR. 30, 1997	35.19	JULY 23, 1997	37.23

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH-Continued

302501091052601 LOCAL WELL NUMBER: EB-1278

OWNER: CAPITAL AREA GROUND WATER CONSERVATION COMMISSION. (SEC. 39, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2-IN., DEPTH 547 FT, SCREENED 537-547. MP TOP OF 2-IN. COUPLING, AT LSD.
 LSD 31 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 36.88 BELOW LSD, JULY 22, 1997,
 LOWEST WATER LEVEL 36.88 BELOW LSD, JULY 22, 1997.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 22, 1997	36.88						

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 97 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,
 LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.
 RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	16.48	JAN. 31, 1997	12.51	MAY 5, 1997	5.77	JULY 7, 1997	8.35

EAST FELICIANA PARISH

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 IN., REPORTED DEPTH 305 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1/2-IN. HOLE IN COVER, 1.00 FT ABOVE LSD.
 LSD 210 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961,
 LOWEST WATER LEVEL 88.69 BELOW LSD, SEP. 15, 1992.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	81.08	FEB. 19, 1997	81.11	APR. 22, 1997	80.89	JULY 28, 1997	80.76

GROUND-WATER LEVELS

EAST FELICIANA PARISH-Continued

304959091093001 LOCAL WELL NUMBER: EF-185

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 45, T. 2S., R. 1E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 TO 12 TO 10 IN., REPORTED DEPTH 1,514 FT, SCREENED 1,469-1,514. MP LOWER EDGE OF 1-IN. ACCESS PIPE, 1.48 FT ABOVE LSD.

LSD 228 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961,

LOWEST WATER LEVEL 216.95 BELOW LSD, FEB. 19, 1991.

RECORDS AVAILABLE 1961-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	201.81	FEB. 21, 1997	201.28	APR. 22, 1997	200.41	JULY 28, 1997	202.32

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER. (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 2,000 FT, SCREENED 1,935-2,000. MP TOP OF GALVANIZED TEE, 2.63 FT ABOVE LSD.

LSD 135 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 100.85 BELOW LSD, JULY 21, 1983,

LOWEST WATER LEVEL 141.72 BELOW LSD, FEB. 11, 1991.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	127.22	FEB. 19, 1997	127.57	APR. 22, 1997	126.04	JULY 28, 1997	127.55

EVANGELINE PARISH

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.

LSD 65.66 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951,

LOWEST WATER LEVEL 108.82 BELOW LSD, MAY 31, 1996.

RECORDS AVAILABLE 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1996	91.78	DEC. 15, 1996	90.31	APR. 30, 1997	96.30	JULY 10, 1997	99.37
OCT. 10	93.54	DEC. 20	90.33	MAY 5	96.93	JULY 15	98.75
OCT. 15	93.55	DEC. 25	90.33	MAY 10	99.67	JULY 17	97.41H
OCT. 20	93.63	DEC. 31	90.36	MAY 15	102.39	JULY 20	96.18
OCT. 23	95.30H	JAN. 5, 1997	90.12	MAY 20	101.93	JULY 25	96.15
OCT. 25	95.02	JAN. 31	88.67H	MAY 25	100.23	JULY 31	94.98
OCT. 31	93.06	FEB. 5	88.29	MAY 31	98.06	AUG. 5	94.36
NOV. 5	92.24	FEB. 10	88.12	JUNE 5	98.80	AUG. 10	93.77
NOV. 10	91.72	FEB. 15	87.81	JUNE 10	100.54	AUG. 15	93.23
NOV. 15	91.38	FEB. 20	87.60	JUNE 14	102.87	AUG. 20	92.85
NOV. 20	90.73	FEB. 21	87.37J	JUNE 15	102.34	AUG. 25	92.46
NOV. 25	90.52	FEB. 25	88.83	JUNE 20	100.73	AUG. 31	91.95
NOV. 30	90.19	FEB. 28	88.78	JUNE 25	100.27	SEP. 5	91.75
DEC. 5	90.56	MAR. 5	88.81	JUNE 30	98.12	SEP. 10	92.64
DEC. 10	90.25	APR. 28	97.21H	JULY 5	96.87	SEP. 15	92.34

See footnotes at end of table.

GROUND-WATER LEVELS

FRANKLIN PARISH

320941091411301

LOCAL WELL NUMBER: FR-720

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 14N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 100 FT, SCREENED 97-100. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 75 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 17.39 BELOW LSD, MAR. 9, 1995,

LOWEST WATER LEVEL 18.46 BELOW LSD, JAN. 25, 1990.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 13, 1997	18.25	SEP. 4, 1997	18.24				

320958091425501

LOCAL WELL NUMBER: FR-721

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 14N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 77 FT, SCREENED 72-77. MP TOP OF CASING, 2.10 FT ABOVE LSD.

LSD 65 FT ABOVE SEA LEVEL.

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. 2, 1996 H	11.33	JAN. 5, 1997	10.95	MAR. 31, 1997	9.90	JULY 5, 1997	10.36
OCT. 5	11.35	JAN. 6	10.97J	APR. 5	9.93	JULY 8	10.28H
OCT. 10	11.36	JAN. 10	10.80	APR. 10	9.95	JULY 10	10.38
OCT. 15	11.39	JAN. 15	10.87	APR. 15	10.05	JULY 15	10.51
OCT. 18	11.45J	JAN. 20	10.86	APR. 20	10.18	JULY 20	10.59
OCT. 20	11.45	JAN. 25	10.80	APR. 25	10.33J	JULY 25	10.66
OCT. 25	11.43	JAN. 31	10.59	APR. 28	8.97J	JULY 31	10.62
OCT. 31	11.16	FEB. 3	10.70H	APR. 30	9.06	JULY 5	10.76
NOV. 5	11.25	FEB. 5	10.62	MAY 5	9.75H	AUG. 10	10.68
NOV. 10	11.14	FEB. 10	10.38	MAY 10	9.97	AUG. 15	10.77
NOV. 15	11.20	FEB. 15	9.80	MAY 15	10.14	AUG. 20	10.86
NOV. 20	11.08	FEB. 20	10.12	MAY 20	10.23	AUG. 25	10.91
NOV. 25	11.13	FEB. 25	10.00	MAY 25	9.92	AUG. 31	10.98
NOV. 30	11.12	FEB. 28	9.46	MAY 31	9.34	SEP. 4	11.02H
DEC. 5	11.15	MAR. 3	9.29J	JUNE 5	9.59	SEP. 5	11.04
DEC. 10	11.17	MAR. 5	9.45	JUNE 10	9.81	SEP. 10	11.05
DEC. 15	11.19	MAR. 10	9.89	JUNE 15	9.87	SEP. 15	11.11
DEC. 17	10.76J	MAR. 13	9.94H	JUNE 20	10.11	SEP. 20	11.18
DEC. 20	10.88	MAR. 15	9.98	JUNE 25	10.23	SEP. 25	11.15
DEC. 25	10.97	MAR. 20	9.96	JUNE 30	10.11	SEP. 30	11.21J
DEC. 31	10.93	MAR. 25	9.93	JULY 1	10.17J		

See footnotes at end of table.

GROUND-WATER LEVELS

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-127B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 231.36 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980.

LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	68.47	JAN. 27, 1997	68.75	MAY 15, 1997	67.60	JULY 7, 1997	67.24

IBERIA PARISH

300035091443301 LOCAL WELL NUMBER: I-93

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 5, T. 12S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 580-585. MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.

LSD 18.53 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 14.55 BELOW LSD, DEC. 7, 1993.

LOWEST WATER LEVEL 22.11 BELOW LSD, NOV. 4, 1974.

RECORDS AVAILABLE 1965-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	17.66	MAR. 5, 1997	16.49	APR. 30, 1997	15.37	JULY 15, 1997	15.70
JAN. 29, 1997	17.45						

IBERVILLE PARISH

301227091101301 LOCAL WELL NUMBER: IB-106

OWNER: J SUPPLES & SONS MERCANTILE CO. (SEC. 37, T. 10S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 608 FT, SCREENED 588-608. MP TOP EDGE OF 1/2-IN. VALVE, AT LSD.

LSD 18.94 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 8.60 ABOVE LSD, APR. 24, 1997.

LOWEST WATER LEVEL 11.49 BELOW LSD, OCT. 21, 1996.

RECORDS AVAILABLE 1959-60, 1964, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1996	11.49	FEB. 28, 1997	2.00	APR. 24, 1997	+8.60	JULY 31, 1997	8.94

See footnotes at end of table.

GROUND-WATER LEVELS

JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: STONE CONTAINER CORP. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 12 TO 8 IN., DEPTH 570 FT, SCREENED 542-570. MP TOP OF NIPPLE IN CASING COVER PLATE, 0.20 FT ABOVE LSD.

LSD 160 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961,

LOWEST WATER LEVEL 204.42 BELOW LSD, OCT. 6, 1995.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	201.19	JAN. 31, 1997	198.50	MAY 14, 1997	171.67	JULY 8, 1997	191.15

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 220 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975,

LOWEST WATER LEVEL 247.43 BELOW LSD, SEP. 30, 1997.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1996	246.47	JAN. 31, 1997	246.01	APR. 30, 1997	245.62	JULY 31, 1997	246.59
OCT. 31	246.50	FEB. 28	245.78	MAY 29	245.96	SEP. 3	247.07
DEC. 3	246.49	MAR. 31	246.03	JUNE 30	245.99	SEP. 30	247.43
JAN. 3, 1997	245.94						

JEFFERSON PARISH

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 4 IN., DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-IN. PLASTIC LINER, 2.05 FT ABOVE LSD.

LSD 9 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 61.22 BELOW LSD, MAY 9, 1996,

LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	64.95	FEB. 27, 1997	61.42	APR. 14, 1997	61.71	AUG. 5, 1997	68.77

300222090144601 LOCAL WELL NUMBER: JF-178

OWNER: JEFFERSON PARISH DRAINAGE DISTRICT. (SEC. 37, T. 12S., R. 9E.) DRILLED INDUSTRIAL COOLING SUPPLY WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 6 TO 4 IN., DEPTH 700 FT, SCREENED 660-700. MP HOLE IN SANITARY SEAL ON 2-IN. CASING, 1.0 FT ABOVE LSD.

LSD AT SEA LEVEL.

HIGHEST WATER LEVEL 21.11 BELOW LSD, FEB. 26, 1997,

LOWEST WATER LEVEL 35.00 BELOW LSD, MAY 31, 1984.

RECORDS AVAILABLE 1984, 1987, 1993, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	23.63	FEB. 26, 1997	21.11	APR. 9, 1997	21.69	AUG. 5, 1997	23.90

GROUND-WATER LEVELS

JEFFERSON PARISH-Continued

300223090144601 LOCAL WELL NUMBER: JF-186

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 12S., R. 9E.) DRILLED UNUSED OBSERVATION WELL IN THE NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 325 FT, SCREENED 315-325. MP TOP OF 2-IN. PIPE, 6.10 FT ABOVE LSD.

LSD 5.0 FT BELOW SEA LEVEL.

HIGHEST WATER LEVEL 4.96 ABOVE LSD, AUG. 6, 1996,

LOWEST WATER LEVEL 1.44 BELOW LSD, JAN. 20, 1987.

RECORDS AVAILABLE 1987, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	+2.06	FEB. 26, 1997	+3.99	APR. 9, 1997	+4.90	AUG. 5, 1997	+4.96

JEFFERSON DAVIS PARISH

301355092463001 LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 318 FT, SCREENED 238-318. MP LOWER EDGE OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.

LSD 24.1 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943,

LOWEST WATER LEVEL 95.00 BELOW LSD, JULY 21, 1980.

RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	65.15	JAN. 29, 1997	59.23	APR. 29, 1997	65.44	JULY 16, 1997	71.63

301300092584503 LOCAL WELL NUMBER: JD-485A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 290 FT, SCREENED 270-290. MP HOLE IN SHELTER FLOOR, 3.00 FT ABOVE LSD.

LSD 21.36 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 46.91 BELOW LSD, APR. 7, 1992,

LOWEST WATER LEVEL 107.41 BELOW LSD, JULY 19, 1980.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1996	56.51	FEB. 28, 1997	52.69H	MAY 10, 1997	79.60	JULY 20, 1997	80.86
OCT. 10	55.93	MAR. 5	51.53	MAY 15	81.67	JULY 24	85.08J
OCT. 22	58.33H	MAR. 7	51.51	MAY 20	83.79	JULY 25	82.72
NOV. 6	57.15H	MAR. 10	52.96	MAY 25	82.49	JULY 31	76.89
NOV. 10	56.91	MAR. 15	58.00	MAY 31	73.98	AUG. 5	71.99
NOV. 15	56.67	MAR. 20	68.08	JUNE 5	72.65	AUG. 10	68.79
NOV. 20	56.22	MAR. 25	62.53	JUNE 10	74.50	AUG. 15	67.62
NOV. 21	56.15H	MAR. 31	62.60	JUNE 11	74.09H	AUG. 20	69.61
DEC. 9	55.12H	APR. 5	60.60	JUNE 15	78.68	AUG. 25	67.79
DEC. 10	55.07	APR. 10	62.90	JUNE 20	76.75	AUG. 31	65.31
DEC. 15	54.80	APR. 15	61.97	JUNE 25	80.20	SEP. 5	65.53
DEC. 20	54.68	APR. 20	67.66	JUNE 30	78.11	SEP. 10	66.22
DEC. 25	54.48	APR. 25	66.24	JULY 5	78.22	SEP. 15	66.20
DEC. 31	54.10	APR. 29	64.78H	JULY 10	82.45	SEP. 20	65.08
JAN. 5, 1997	53.82	APR. 30	64.67	JULY 15	77.02	SEP. 25	63.19
JAN. 29	52.61H	MAY 5	67.77	JULY 16	77.08H	SEP. 30	61.92
FEB. 13	52.33H	MAY 6	68.24H				

See footnotes at end of table.

GROUND-WATER LEVELS

JEFFERSON DAVIS PARISH-Continued

301356092462701 LOCAL WELL NUMBER: JD-773

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 9S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 666 FT, SCREENED 656-666. MP TOP OF 4-IN. CASING, 3.20 ABOVE LSD.

LSD 22 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 54.42 BELOW LSD, APR. 4, 1990,

LOWEST WATER LEVEL 66.18 BELOW LSD, AUG. 7, 1996.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	62.06	JAN. 29, 1997	57.94	APR. 29, 1997	61.12	JULY 16, 1997	65.29

LAFAYETTE PARISH

301426092000601 LOCAL WELL NUMBER: LF-662

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 100, T. 9S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 152 FT, SCREENED 146-152. MP TOP OF CASING, 0.29 FT ABOVE LSD.

LSD 40.37 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 41.48 BELOW LSD, JAN. 27, 1994,

LOWEST WATER LEVEL 47.17 BELOW LSD, OCT. 20, 1981.

RECORDS AVAILABLE 1981-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	45.11	JAN. 29, 1997	44.30	APR. 28, 1997	42.93	JULY 18, 1997	44.84

LASALLE PARISH

315444092122801 LOCAL WELL NUMBER: LA-254A

OWNER: CITY OF OLLA. (SEC. 30, T. 11N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 10 TO 6 IN., DEPTH 510 FT, SCREENED 450-510. MP TOP OF 2-IN. ACCESS PIPE, 0.50 FT ABOVE LSD.

LSD 160 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 74.00 BELOW LSD, APR. 12, 1993,

LOWEST WATER LEVEL 82.16 BELOW LSD, JUNE 21, 1990.

RECORDS AVAILABLE 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	77.72	JAN. 8, 1997	77.65	MAY 15, 1997	76.78	JULY 8, 1997	77.98

See footnotes at end of table.

GROUND-WATER LEVELS

LINCOLN PARISH

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH. (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA AQUIFER OF EOCENE AGE, DIAM 10 TO 6 IN., DEPTH 686 FT, SCREENED 633-686. MP TOP OF 3/4-IN. HOLE IN PLATE, 2.00 FT ABOVE LSD. LSD 155 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950,

LOWEST WATER LEVEL 180.87 BELOW LSD, JULY 7, 1997.

RECORDS AVAILABLE 1950, 1962, 1967-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	180.27	JAN. 16, 1997	180.53	MAY 13, 1997	180.14	JULY 7, 1997	180.87

LIVINGSTON PARISH

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCHEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,865 FT, SCREENED 1,825-1,865. MP CENTER LINE OF 3/4-IN. TEE, 1.20 FT ABOVE LSD.

LSD 46 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950,

LOWEST WATER LEVEL 41.20 ABOVE LSD, OCT. 18, 1982.

RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1996	+43.60	FEB. 24, 1997	+45.20	APR. 18, 1997	+45.30	JULY 15, 1997	+44.20

302956090504601 LOCAL WELL NUMBER: LI-113

OWNER: W.K. COBURN. (SEC. 30, T. 6S., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 3 IN., REPORTED DEPTH 1,300 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF COLLAR ABOVE VALVE, 1.50 FT ABOVE LSD.

LSD 48 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 10.98 BELOW LSD, APR. 14, 1967,

LOWEST WATER LEVEL 20.00 BELOW LSD, APR. 12, 1989.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1996	19.06	FEB. 24, 1997	18.74	APR. 18, 1997	18.48	JULY 15, 1997	18.17

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 THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN., REPORTED DEPTH 500 FT, SCREENED 490-500. MP TOP EDGE OF 3/4-IN. NIPPLE, 0.50 FT ABOVE LSD.
 LSD 11 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 13.40 ABOVE LSD, JULY 15, 1966,
 LOWEST WATER LEVEL 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
OCT. 31, 1996	+5.50	FEB. 24, 1997	+5.00	APR. 24, 1997	+5.00	JULY 21, 1997	+5.60

302724090565801 LOCAL WELL NUMBER: LI-185

OWNER: CITY OF DENHAM SPRINGS. (SEC. 38, T. 7S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 TO 12 TO 8 IN., DEPTH 2,611 FT, SCREENED 2,531-2,611. MP BOTTOM LIP OF VENT ELBOW, 1.60 FT ABOVE LSD.
 LSD 37 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 41.14 BELOW LSD, FEB. 3, 1989,
 LOWEST WATER LEVEL 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
OCT. 15, 1996	57.14	FEB. 26, 1997	55.72	APR. 18, 1997	55.29	JULY 15, 1997	57.55

MADISON PARISH

3226140911322001 LOCAL WELL NUMBER : MA-64

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 17N., R. 12E.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 117 FT, SCREENED 112-117. MP TOP OF CASING, AT LSD.
 LSD 80 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 5.40 BELOW LSD, APR. 23, 1991,
 LOWEST WATER LEVEL 16.01 BELOW LSD, JUNE 8, 1988.
 RECORDS AVAILABLE 1975, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	12.28	MAR. 18, 1997	8.05	JULY 7, 1997	9.06	SEP. 4, 1997	11.30
JAN. 31, 1997	10.00	MAY 5	7.51				

322428091130201 LOCAL WELL NUMBER: MA-65

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 17N., R. 12E.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 119 FT, SCREENED 114-119. MP TOP OF CASING, 0.60 ABOVE LSD.
 LSD 78 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 4.96 BELOW LSD, MAR. 22, 1994,
 LOWEST WATER LEVEL 12.20 BELOW LSD, SEP. 7, 1995.
 RECORDS AVAILABLE 1975, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1997	5.39	SEP. 4, 1997	8.52				

See footnotes at end of table.

GROUND-WATER LEVELS

MOREHOUSE PARISH

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN., DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF NIPPLE IN METAL COVER PLATE, 1.60 FT ABOVE LSD.

LSD 117.44 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 143.59 BELOW LSD, JUNE 6, 1989,

LOWEST WATER LEVEL 204.74 BELOW LSD, JUNE 3, 1981.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1996	153.52	JAN. 31, 1997	156.02	MAY 15, 1997	161.03	JULY 7, 1997	163.07

323806091530401 LOCAL WELL NUMBER: MO-67

OWNER: D.W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.

LSD 73.51 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961,

LOWEST WATER LEVEL 23.88 BELOW LSD, SEP. 1, 1982.

RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	13.10	JAN. 9, 1997	9.34	MAY 5, 1997	3.16	JULY 7, 1997	5.81

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 620 FT, SCREENED 610-620. MP TOP OF BUSHING, 3.68 FT ABOVE LSD.

LSD 88.34 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 86.75 BELOW LSD, SEP. 3, 1991,

LOWEST WATER LEVEL 103.30 BELOW LSD, AUG. 20, 1981.

RECORDS AVAILABLE 1968-81, 1985-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	89.85	MAR. 14, 1997	90.23	SEP. 3, 1997	93.01		

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 176 FT, SCREENED 166-176. MP TOP OF BUSHING, 3.72 FT ABOVE LSD.

LSD 88.41 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,

LOWEST WATER LEVEL 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. 3, 1996	10.18	JAN. 31, 1997	2.53	MAY 5, 1997	1.82	JULY 7, 1997	9.76

324647091543806 LOCAL WELL NUMBER: MO-657

OWNER: THE PEOPLES WATER SERVICE CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 97 FT, SCREENED 57-97. MP TOP OF CASING, 2.90 FT ABOVE LSD.

LSD 126.64 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 52.98 BELOW LSD, JULY 7, 1997,

LOWEST WATER LEVEL 60.00 BELOW LSD, JUNE 7, 1985.

RECORDS AVAILABLE 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1996	53.70	JAN. 31, 1997	53.37	MAY 15, 1997	54.08	JULY 7, 1997	52.98

GROUND-WATER LEVELS

MOREHOUSE PARISH-Continued

325356091344801 LOCAL WELL NUMBER: MO-708

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED OBSERVATION WELL IN THE COCKFIELD AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 376 FT, SCREENED 246-256 AND 266-276. MP TOP OF CASING, AT LSD.

LSD 96 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 26.28 BELOW LSD, APR. 5, 1993,

LOWEST WATER LEVEL 31.13 BELOW LSD, OCT. 3, 1996.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	31.13	JAN. 31, 1997	29.59	MAY 5, 1997	28.63	JULY 7, 1997	29.54

325826091280401 LOCAL WELL NUMBER: MO-710

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 17, T. 23N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 130 FT, SCREENED 120-130. MP TOP OF CASING, AT LSD.

LSD 99 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 12.29 BELOW LSD, SEP. 3, 1991,

LOWEST WATER LEVEL 16.34 BELOW LSD, SEP. 11, 1996.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1997	14.74	SEP. 3, 1997	14.83				

325359091344802 LOCAL WELL NUMBER: MO-842

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED OBSERVATION WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 90 FT, SCREENED 88-90. MP TOP OF BUSHING, AT LSD.

LSD 96 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 30.49 BELOW LSD, JULY 1, 1992,

LOWEST WATER LEVEL 36.05 BELOW LSD, SEP. 4, 1997.

RECORDS AVAILABLE 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	35.32	MAR. 14, 1997	34.28	JULY 7, 1997	34.29	SEP. 4, 1997	36.05
JAN. 31, 1997	34.46	MAY 5	33.88				

NATCHITOCHES PARISH

312934093114801 LOCAL WELL NUMBER: NA-9

OWNER: U.S. FOREST SERVICE. (SEC. 21, T. 6N., R. 8W.) DRILLED ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 1,300 FT, SCREENED 1,200-1,300. MP TOP OF SANITARY SEAL, 1.70 FT ABOVE LSD.

LSD 185 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 5.34 ABOVE LSD, OCT. 6, 1993,

LOWEST WATER LEVEL 9.46 BELOW LSD, OCT. 22, 1992.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	7.66	JAN. 31, 1997	7.36	MAY 14, 1997	7.07	JULY 10, 1997	7.10

GROUND-WATER LEVELS

ORLEANS PARISH

295652090020101

LOCAL WELL NUMBER: OR-42

OWNER: U.S. NAVY. (SEC. 16, T. 13S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., REPORTED DEPTH 775 FT, SCREENED 664-775. MP NOTCH IN WOODEN PLAT-FORM OVER WELL CASING, 1.00 FT ABOVE LSD.

LSD 10 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942,

LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.

RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	75.17H	JAN. 5, 1997	71.42	MAY 25, 1997	71.99	AUG. 5, 1997	77.65
OCT. 25	75.30	JAN. 10	71.19	MAY 31	72.77	AUG. 10	77.86
OCT. 31	74.78	JAN. 15	70.90	JUNE 5	72.95	AUG. 15	77.90
NOV. 5	74.75	JAN. 20	70.58	JUNE 10	72.92	AUG. 20	78.12
NOV. 10	74.59	JAN. 25	70.60	JUNE 15	73.38	AUG. 21	78.12H
NOV. 15	74.60	JAN. 31	70.13	JUNE 20	74.37	AUG. 25	78.19
NOV. 20	73.94	FEB. 5	69.95	JUNE 25	74.90	AUG. 31	78.40
NOV. 25	73.77	FEB. 10	69.42	JUNE 30	75.13	SEP. 5	78.70
NOV. 30	73.41	FEB. 15	68.96	JULY 5	75.52	SEP. 10	78.89
DEC. 5	73.11	FEB. 20	68.64	JULY 10	76.42	SEP. 15	79.08
DEC. 10	73.00	FEB. 21	68.48J	JULY 15	76.72	SEP. 20	79.19
DEC. 15	72.60	FEB. 26	68.65H	JULY 20	76.95	SEP. 25	79.59
DEC. 20	72.94	APR. 9	69.12H	JULY 25	77.17	SEP. 29	80.22J
DEC. 25	72.12	APR. 15	69.24	JULY 30	77.42	SEP. 30	80.12
DEC. 31	71.55	MAY 20	71.70H	AUG. 4	77.57H		

300525089464001

LOCAL WELL NUMBER: OR-175

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 449 FT, SCREENED 439-449. MP TOP OF 2-IN. PIPE, 1.67 FT ABOVE LSD.

LSD 10 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963,

LOWEST WATER LEVEL 38.72 BELOW LSD, JULY 1, 1994.

RECORDS AVAILABLE 1963, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	36.75	FEB. 26, 1997	35.82	APR. 16, 1997	35.82	AUG. 4, 1997	26.43

See footnotes at end of table.

GROUND-WATER LEVELS

ORLEANS PARISH-Continued

300959089441901 LOCAL WELL NUMBER: OR-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 10S., R. 15E.) DRILLED UNUSED ARTESIAN WELL IN THE ABITA AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,434 FT, SCREENED 2,429-2,434. MP CENTER LINE OF DISCHARGE PIPE, 2.90 FT ABOVE LSD.

LSD 4 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965.

LOWEST WATER LEVEL 50.10 ABOVE LSD, NOV. 30, 1995.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	+51.60	FEB. 26, 1997	+52.20	APR. 16, 1997	+51.80	AUG. 4, 1997	+52.40

300349089562401 LOCAL WELL NUMBER: OR-203

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 11S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 453 FT, SCREENED 448-453. MP TOP OF 2-IN. CASING, 0.50 FT ABOVE LSD.

LSD 5 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 58.42 BELOW LSD, FEB. 5, 1993.

LOWEST WATER LEVEL 81.72 BELOW LSD, SEP. 29, 1981.

RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 16, 1997	60.87						

300149090041701 LOCAL WELL NUMBER: OR-214

OWNER: UNIV. OF NEW ORLEANS. (SEC. 108, T. 12S., R. 11E.) DRILLED AIR CONDITIONING SUPPLY ARTESIAN WELL IN THE GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 3/4 IN., DEPTH 630 FT, SCREENED 527-630. MP TOP OF 1/2-IN. PVC VENT ON SOUTH SIDE OF CASING, 0.60 FT BELOW LSD.

LSD 5 FT BELOW SEA LEVEL.

HIGHEST WATER LEVEL 82.40 BELOW LSD, NOV. 30, 1995.

LOWEST WATER LEVEL 135.00 BELOW LSD, AUG. 16, 1984.

RECORDS AVAILABLE 1984, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	106.78	FEB. 26, 1997	89.46	APR. 9, 1997	97.06	AUG. 21, 1997	114.32

See footnotes at end of table.

GROUND-WATER LEVELS

OUACHITA PARISH

322843092084401 LOCAL WELL NUMBER: OU-80

OWNER: RIVERWOOD INTERNATIONAL, USA. (SEC. 10, T. 17N., R. 3E.) DRILLED INDUSTRIAL WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 16 TO 10 IN., DEPTH 721 FT, SCREENED 607-721. MP TOP OF RECORDER SHELF, 4.5 FT ABOVE LSD.

LSD 60 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 194.60 BELOW LSD, MAY 3, 1956,

LOWEST WATER LEVEL 293.37 BELOW LSD, AUG. 5, 1997.

RECORDS AVAILABLE 1956, 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1996	283.97	DEC. 20, 1996	284.07	MAR. 10, 1997	280.27	MAY 25, 1997	286.81
OCT. 10	283.76H	DEC. 25	282.91	MAR. 15	279.88	MAY 31	285.82
OCT. 15	283.91	DEC. 31	284.99	MAR. 20	274.74	JUNE 5	281.19
OCT. 20	284.62	JAN. 5, 1997	286.41	MAR. 23	273.08J	JUNE 10	284.51
OCT. 25	272.82	JAN. 10	280.09	MAR. 25	277.58	JUNE 15	285.32
OCT. 31	282.46	JAN. 15	283.13	MAR. 31	277.97	JUNE 20	287.81
NOV. 5	283.45	JAN. 20	284.04	APR. 5	276.21	JUNE 25	286.14
NOV. 10	282.63	JAN. 25	285.16	APR. 10	271.79	JUNE 30	288.77
NOV. 15	280.06	JAN. 31	279.44H	APR. 15	277.15	JULY 5	289.13
NOV. 20	273.31	FEB. 5	283.25	APR. 20	274.47	JULY 8	289.80H
NOV. 25	270.85	FEB. 10	286.58	APR. 25	280.51	JULY 10	289.91
NOV. 30	270.41	FEB. 15	287.48J	APR. 30	282.89	JULY 15	288.29
DEC. 2	270.04J	FEB. 20	283.57	MAY 5	283.54H	JULY 20	289.98
DEC. 5	270.51	FEB. 25	281.99	MAY 10	283.50	JULY 25	291.19
DEC. 10	281.18	FEB. 28	276.74	MAY 15	280.52	JULY 31	292.87
DEC. 15	287.55	MAR. 5	284.67	MAY 20	285.31	AUG. 5	293.37
DEC. 16	288.16J						

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD.

LSD 62.28 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967,

LOWEST WATER LEVEL 106.59 BELOW LSD, MAR. 18, 1997.

RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	106.13	MAR. 18, 1997	106.59	SEP. 4, 1997	106.39		

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 SEA LEVEL.

HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965,

LOWEST WATER LEVEL 58.98 BELOW LSD, OCT. 10, 1996.

RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	58.98	MAR. 11, 1997	53.86	SEP. 2, 1997	55.15		

See footnotes at end of table.

GROUND-WATER LEVELS

OUACHITA PARISH-Continued

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 460 FT, SCREENED 453-460. MP TOP OF BUSHING, 0.35 FT ABOVE LSD.
 LSD 63.3 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967,
 LOWEST WATER LEVEL 64.44 BELOW LSD, SEP. 2, 1996.
 RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	64.34	MAR. 11, 1997	62.80	SEP. 2, 1997	64.40		

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD.
 LSD 66.66 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968,
 LOWEST WATER LEVEL 129.65 BELOW LSD, SEP. 5, 1997.
 RECORDS AVAILABLE 1965-71, 1974-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1997	128.66	MAR. 11, 1997	127.62	SEP. 5, 1997	129.65		

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 670 FT, SCREENED 660-670. MP TOP OF CASING, 3.60 FT ABOVE LSD.
 LSD 118 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969,
 LOWEST WATER LEVEL 230.38 BELOW LSD, JULY 7, 1997.
 RECORDS AVAILABLE 1969-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	229.09	JAN. 31, 1997	227.97	MAY 15, 1997	228.06	JULY 7, 1997	230.38

POINTE COUPEE PARISH

304939091422101 LOCAL WELL NUMBER: PC-39

OWNER: C. FLINT. (SEC. 13, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 460 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF BELL REDUCER, 1.30 FT ABOVE LSD.
 LSD 41 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 3.19 ABOVE LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 26.64 BELOW LSD, DEC. 4, 1963.
 RECORDS AVAILABLE 1951, 1961, 1963-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	20.05	JAN. 24, 1997	11.77	APR. 23, 1997	3.54	JULY 30, 1997	14.08

GROUND-WATER LEVELS

POINTE COUPEE PARISH-Continued

03556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,530 FT, SCREENED 1,490-1,530. MP HOLE IN SANITARY SEAL, 2.12 FT ABOVE LSD.
 LSD 33 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 20.10 ABOVE LSD, FEB. 2, 1961,
 LOWEST WATER LEVEL 64.42 BELOW LSD, DEC. 6, 1990.
 RECORDS AVAILABLE 1961-63, 1964-69, 1970-71, 1988, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	60.90	JAN. 24, 1997	60.90	APR. 23, 1997	58.56	JULY 30, 1997	61.36

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: LIVONIA, LA. (SEC. 16, T. 6S., R. 9E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 2,294 FT, SCREENED 2,259-2,294. MP (FLOWING) CENTER LINE OF DISCHARGE PIPE, 0.80 FT ABOVE LSD, MP (NOT FLOWING) EDGE OF 2-IN. HOLE ON TOP OF TEE, 1.15 FT ABOVE LSD.
 LSD 26 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960,
 LOWEST WATER LEVEL 2.90 BELOW LSD, JULY 30, 1997.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	1.95	JAN. 22, 1997	2.04	APR. 23, 1997	1.42	JULY 30, 1997	2.90

303357091330401 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16, T. 6S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., REPORTED DEPTH 1,637 FT, SCREENED 1,617-1,637. MP TOP OF 3-IN COUPLING, 0.60 FT ABOVE LSD.
 LSD 27 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 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
OCT. 17, 1996	38.11	JAN. 22, 1997	38.34	APR. 23, 1997	37.55	JULY 30, 1997	38.78

305023091393901 LOCAL WELL NUMBER: PC-143

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,228 FT, SCREENED 1,218-1,228. MP TOP OF WELL CASING, 1.55 FT ABOVE LSD.
 LSD 41 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 13.05 BELOW LSD, JULY 30, 1997.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	12.29	JAN. 24, 1997	11.61	APR. 23, 1997	9.84	JULY 30, 1997	13.05

See footnotes at end of table.

GROUND-WATER LEVELS

POINTE COUPEE PARISH-Continued

305023091393902 LOCAL WELL NUMBER: PC-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 835 FT, SCREENED 825-835. MP TOP EDGE OF WELL CASING, 2.10 FT ABOVE LSD.
 LSD 41 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 12.54 BELOW LSD, NOV. 16, 1994.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	11.01	JAN. 24, 1997	10.41	APR. 23, 1997	8.34	JULY 30, 1997	10.49

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 1,213 FT, SCREENED 1,173-1,213. MP 1/2-IN. PLUG IN SANITARY SEAL, 0.80 FT ABOVE LSD.
 LSD 36 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975,
 LOWEST WATER LEVEL 69.89 BELOW LSD, FEB. 20, 1990.
 RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 22, 1997	53.38	APR. 23, 1997	51.21	JULY 30, 1997	51.91		

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., REPORTED DEPTH 990 FT, SCREENED 970-990. MP HOLE ON WEST SIDE OF SANITARY SEAL, REMOVE YELLOW BOLT, 1.0 FT ABOVE LSD.
 LSD 25 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 8, 1975,
 LOWEST WATER LEVEL 33.50 BELOW LSD, OCT. 19, 1988.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	31.05	JAN. 22, 1997	30.27	APR. 23, 1997	28.43	JULY 30, 1997	29.22

RAPIDES PARISH

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 220.55 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 50.44 BELOW LSD, JULY 9, 1993,
 LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.
 RECORDS AVAILABLE 1966-86, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	51.91	FEB. 3, 1997	52.08	MAY 14, 1997	51.71	JULY 9, 1997	51.74

GROUND-WATER LEVELS

RAPIDES PARISH-Continued

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA AQUIFER OF MIOCENE AGE, DIAM 2 IN., DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.

LSD 300 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969,

LOWEST WATER LEVEL 220.78 BELOW LSD, OCT. 3, 1996.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	220.78	FEB. 3, 1997	220.67	MAY 14, 1997	220.48	JULY 8, 1997	220.21

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 1,555 FT, SCREENED 1,545-1,555. MP TOP OF BUSHING, 0.55 FT BELOW LSD.

LSD 240 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977,

LOWEST WATER LEVEL 249.57 BELOW LSD, JAN. 23, 1996.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	243.54	FEB. 3, 1997	245.66	MAY 14, 1997	246.55	JULY 8, 1997	247.33

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 500 FT, SCREENED 490-500. MP TOP OF BUSHING, AT LSD. LSD 100 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975,

LOWEST WATER LEVEL 66.42 BELOW LSD, JULY 8, 1997.

RECORDS AVAILABLE 1975-84, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	56.17	JAN. 30, 1997	56.87	MAY 14, 1997	65.61	JULY 8, 1997	66.42

310007092431601 LOCAL WELL NUMBER: R-1207

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 2,772 FT, SCREENED 2,752-2,772. MP TOP OF BUSHING, 4.20 FT ABOVE LSD.

LSD 180 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 56.10 BELOW LSD, DEC. 1, 1981,

LOWEST WATER LEVEL 79.56 BELOW LSD, JULY 8, 1997.

RECORDS AVAILABLE 1981-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	77.26	FEB. 3, 1997	79.08	MAY 14, 1997	79.31	JULY 8, 1997	79.56

GROUND-WATER LEVELS

RED RIVER PARISH

320316093114201 LOCAL WELL NUMBER: RR-278

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 12N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX AQUIFER OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, AT LSD. LSD 160 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 17.23 BELOW LSD, APR. 27, 1995,
 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. 11, 1996	18.12	JAN. 30, 1997	17.55	MAY 13, 1997	17.39	JULY 7, 1997	17.35

RICHLAND PARISH

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 26, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCK-FIELD AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD. LSD 84 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975,
 LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.
 RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	20.11	JAN. 9, 1997	20.00	MAY 5, 1997	19.25	JULY 7, 1997	19.71

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD. LSD 80 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.08 BELOW LSD, APR. 3, 1992,
 LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	11.57	JAN. 9, 1997	11.50	MAY 5, 1997	10.60	JULY 7, 1997	10.37

GROUND-WATER LEVELS

RICHLAND PARISH-Continued

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 67 FT, SCREENED 64-67. MP TOP OF CASING, 1.90 FT ABOVE LSD.

LSD 95 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978,

LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1997	34.27	SEP. 3, 1997	34.18				

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, 3.25 FT ABOVE LSD.

LSD 95 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 30.55 BELOW LSD, SEP. 3, 1997,

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. 12, 1997	30.75	SEP. 3, 1997	30.55				

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 1.60 FT ABOVE LSD.

LSD 95 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 26.82 BELOW LSD, SEP. 3, 1997,

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. 17, 1997	28.21	SEP. 3, 1997	26.82				

SABINE PARISH

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX AQUIFER OF EOCENE-PALEOCENE AGE, DIAM 10 IN., DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.80 FT ABOVE LSD.

LSD 220 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 3.34 BELOW LSD, MAR. 21, 1961,

LOWEST WATER LEVEL 16.93 BELOW LSD, MAR. 1, 1982.

RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	12.88	JAN. 30, 1997	10.53	MAY 14, 1997	7.67	JULY 10, 1997	9.49

GROUND-WATER LEVELS

SABINE PARISH-Continued

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCK-FIELD AQUIFER OF EOCENE AGE, DIAM 2 IN., DEPTH 544 FT, SCREENED 539-544. MP TOP OF CASING, 0.50 FT ABOVE LSD. LSD 242 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 23.23 BELOW LSD, APR. 19, 1995,
 LOWEST WATER LEVEL 26.30 BELOW LSD, NOV. 13, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1996	24.06	JAN. 30, 1997	23.76	MAY 14, 1997	23.44	JULY 7, 1997	23.59

ST. HELENA PARISH

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: TWO-B RANCH. (SEC. 73, T. 2S., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,135 FT, SCREENED 2,106-2,135. MP 3/8-IN. HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.
 LSD 165 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 53.70 BELOW LSD, JUNE 25, 1960,
 LOWEST WATER LEVEL 87.97 BELOW LSD, JAN. 30, 1989.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1996	85.91	FEB. 21, 1997	85.94	APR. 21, 1997	85.54	JULY 18, 1997	85.00

ST. JAMES PARISH

300024090433501 LOCAL WELL NUMBER: SJ-86

OWNER: RICHARD J. BRAZAN. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN THE GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 290 FT, SCREENED 280-290. MP TOP OF 2-IN. NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.
 LSD 18.3 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 3.52 BELOW LSD, APR. 15, 1997,
 LOWEST WATER LEVEL 19.00 BELOW LSD, OCT. 31, 1963.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1996	15.35	FEB. 27, 1997	7.69	APR. 15, 1997	3.52	AUG. 1, 1997	12.68

300445090520301 LOCAL WELL NUMBER: SJ-203

OWNER: RIVER ROAD FARM SUPPLY CO. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN THE NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 444 FT, SCREENED 384-444. MP TOP 1 1/2-IN. BREATHER PIPE, 0.65 FT ABOVE LSD.
 LSD 19 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 1.83 BELOW LSD, APR. 15, 1997,
 LOWEST WATER LEVEL 18.74 BELOW LSD, MAR. 29, 1988.
 RECORDS AVAILABLE 1975, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1996	14.51	FEB. 27, 1997	6.70	APR. 15, 1997	1.83	JULY 31, 1997	11.24

GROUND-WATER LEVELS

ST. JOHN THE BAPTIST PARISH

300234090390301 LOCAL WELL NUMBER: SJB-145

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN THE GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 315 FT, SCREENED 305-315. MP TOP OF 1/4-IN. HOLE IN CAP, 2.60 FT ABOVE LSD.

LSD 17.71 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 3.91 BELOW LSD, MAY 17, 1973,

LOWEST WATER LEVEL 21.34 BELOW LSD, JAN. 13, 1964.

RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1996	17.26	MAR. 3, 1997	8.26	APR. 15, 1997	4.36	AUG. 1, 1997	16.28

301247090245901 LOCAL WELL NUMBER: SJB-165

OWNER: CONSOLIDATED WW DIST NO. 1. (SEC. 5, T. 10S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE COVINGTON AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN., DEPTH 3,000 FT, SCREENED 2,900-3,000. MP CENTER LINE OF SAMPLE FAUCET IN HORIZONTAL 12-IN. CASING, 3.40 FT ABOVE LSD.

LSD 6 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 94.80 ABOVE LSD, SEP. 23, 1974,

LOWEST WATER LEVEL 47.70 ABOVE LSD, FEB. 26, 1996.

RECORDS AVAILABLE 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1996	+49.70	FEB. 26, 1997	+54.30	APR. 15, 1997	+52.90	AUG. 1, 1997	+51.40

301336090244101 LOCAL WELL NUMBER: SJB-176

OWNER: ST JOHN THE BAPTIST PARISH. (SEC. 33, T. 9S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE COVINGTON AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 10 IN., DEPTH 2,950 FT, SCREENED 2,822-2,950. MP CENTER LINE OF SAMPLE FAUCET ON HORIZONTAL 16-IN. CASING, 2.90 FT ABOVE LSD.

LSD 5.4 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 72.19 ABOVE LSD, SEP. 16, 1985,

LOWEST WATER LEVEL 51.60 ABOVE LSD, SEP. 25, 1996.

RECORDS AVAILABLE 1985, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1996	+54.40	FEB. 26, 1997	+57.10	APR. 15, 1997	+52.90	AUG. 1, 1997	+55.10

301143090260101 LOCAL WELL NUMBER: SJB-180

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 10S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COVINGTON AQUIFER OF PLEISTOCENE AGE, DIAM 8.63 TO 4.5 IN., DEPTH 3091 FT, SCREENED 3070-3091. MP CENTER LINE OF 2-IN. DISCHARGE PIPE, 3.0 FT ABOVE LSD.

LSD 1 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 67.40 ABOVE LSD, APR. 19, 1994,

LOWEST WATER LEVEL 54.80 ABOVE LSD, AUG. 1, 1997.

RECORDS AVAILABLE 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1996	+56.00	APR. 15, 1997	+62.40	MAY 20, 1997	+55.50	AUG. 1, 1997	+54.80
FEB. 27, 1997	+56.20						

See footnotes at end of table.

GROUND-WATER LEVELS

ST. LANDRY PARISH

304116092083601 LOCAL WELL NUMBER: SL-179

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 40, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN. CASING, 4.00 FT ABOVE LSD.

LSD 55.23 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958,

LOWEST WATER LEVEL 57.99 BELOW LSD, OCT. 17, 1984.

RECORDS AVAILABLE 1957-72, 1974-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	54.48	JAN. 31, 1997	52.37	APR. 28, 1997	54.08	JULY 17, 1997	54.30

ST. MARTIN PARISH

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 505 FT, SCREENED 500-505. MP TOP OF 2-IN. CASING, 3.0 FT ABOVE LSD.

LSD 11.34 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973,

LOWEST WATER LEVEL 9.13 BELOW LSD, NOV. 11, 1987.

RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1997	1.27						

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 375 FT, SCREENED 370-375. MP TOP OF 2-IN. CASING, 2.40 FT ABOVE LSD.

LSD 11.34 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 2.94 ABOVE LSD, FEB. 27, 1974,

LOWEST WATER LEVEL 10.38 BELOW LSD, NOV. 11, 1987.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1996	7.60	MAR. 5, 1997	2.03	APR. 29, 1997	+1.10	JULY 15, 1997	2.20
JAN. 28, 1997	3.80						

300947091472102 LOCAL WELL NUMBER: SMN-134B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 10S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 846 FT, SCREENED 836-846. MP TOP OF 2-IN. CASING, 3.50 FT ABOVE LSD.

LSD 20 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 10.42 BELOW LSD, JUNE 4, 1975,

LOWEST WATER LEVEL 20.30 BELOW LSD, MAY 19, 1993.

RECORDS AVAILABLE 1975-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1996	16.89	JAN. 28, 1997	15.78	APR. 30, 1997	13.77	JULY 15, 1997	14.04

GROUND-WATER LEVELS

ST. MARY PARISH

294749091402301 LOCAL WELL NUMBER: SM-57U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 638 FT, SCREENED 628-638. MP TOP OF 1 1/2-IN. CASING, 2.50 FT ABOVE LSD.

LSD 8.72 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 6.20 BELOW LSD, JUNE 15, 1993,

LOWEST WATER LEVEL 10.25 BELOW LSD, DEC. 20, 1976.

RECORDS AVAILABLE 1964-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 17, 1997	8.88						

ST. TAMMANY PARISH

302052090010201 LOCAL WELL NUMBER: ST-532

OWNER: LOUISIANA DEPARTMENT OF INSTITUTIONS. (SEC. 43, T. 8S., R. 12E.) DRILLED DOMESTIC ARTESIAN WELL IN THE BIG BRANCH AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 10 IN., DEPTH 1,519 FT, SCREENED INTERVAL UNKNOWN. MP CENTER LINE OF FAUCET IN 8-IN. DISCHARGE LINE, 3.3 FT ABOVE LSD.

LSD 8 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 28.00 ABOVE LSD, OCT. 19, 1949,

LOWEST WATER LEVEL 17.40 ABOVE LSD, OCT. 18, 1995.

RECORDS AVAILABLE 1949, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	+20.50	FEB. 25, 1997	+21.00	APR. 17, 1997	+20.40	JULY 15, 1997	+18.80

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE SLIDELL AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 10 IN., DEPTH 2,411 FT, SCREENED 2,262-2,343 AND 2,322-2,411. MP CENTER LINE OF FAUCET OF DISCHARGE LINE, 2.00 FT ABOVE LSD.

LSD 10.24 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,

LOWEST WATER LEVEL 49.90 ABOVE LSD, JULY 23, 1996.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	+52.30	FEB. 25, 1997	+53.50	APR. 17, 1997	+52.80	JULY 14, 1997	+52.00

301920089560801 LOCAL WELL NUMBER: ST-576

OWNER: HOLY REDEEMER COLLEGE. (SEC. 43, T. 8S., R. 13E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE SLIDELL AQUIFER (ZONE 2) OF 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 SEA LEVEL.

HIGHEST WATER LEVEL 108.00 ABOVE LSD, FEB. 23, 1961,

LOWEST WATER LEVEL 43.60 ABOVE LSD, FEB. 28, 1996.

RECORDS AVAILABLE 1961, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1996	+47.80	FEB. 25, 1997	+48.00	APR. 16, 1997	+48.60	JULY 14, 1997	+47.80

See footnotes at end of table.

GROUND-WATER LEVELS

ST. TAMMANY PARISH--Continued

301838089485002 LOCAL WELL NUMBER: ST-776

OWNER: NATIONAL GUARD. (SEC. 32, T. 8S., R. 14E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE LOWER PONCHATOULA AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 8 TO 4 IN., DEPTH 887 FT, SCREENED 862-887. MP CENTER LINE OF 1-IN. FAUCET, 3.10 FT ABOVE LSD.
 LSD 16 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 13.80 ABOVE LSD, DEC. 3, 1993,
 LOWEST WATER LEVEL 4.10 ABOVE LSD, OCT. 18, 1995.
 RECORDS AVAILABLE.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1996	+4.30	FEB. 25, 1997	+5.20				

TANGIPAHOA PARISH

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN THE AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,013 FT, SCREENED 1,951-2,013. MP TOP OF 3/4-IN. VALVE, 3.65 FT ABOVE LSD.
 LSD 130.86 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,
 LOWEST WATER LEVEL 36.75 BELOW LSD, OCT. 15, 1996.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1996	36.75	FEB. 21, 1997	35.59	APR. 21, 1997	35.27	JULY 15, 1997	35.89

302957090274001 LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN., DEPTH 2,449 FT, SCREENED 2,365-2,449. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 2.70 FT ABOVE LSD.
 LSD 35 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 128.00 ABOVE LSD, OCT. 21, 1956,
 LOWEST WATER LEVEL 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
OCT. 15, 1996	+19.30	FEB. 21, 1997	+18.70	APR. 17, 1997	+19.60	JULY 15, 1997	+16.70

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN THE TCHEFUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 3 IN., DEPTH 2,329 FT, SCREENED 2,289-2,329. MP CENTER LINE OF TEE, 2.50 FT ABOVE LSD.
 LSD 11 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960,
 LOWEST WATER LEVEL 78.30 ABOVE LSD, JULY 29, 1996.
 RECORDS AVAILABLE 1960-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1996	+79.00	FEB. 24, 1997	+79.50	APR. 24, 1997	+78.50	JULY 21, 1997	+80.00

See footnotes at end of table.

GROUND-WATER LEVELS

TANGIPAHOA PARISH-Continued

303420090221701 LOCAL WELL NUMBER: TA-278

OWNER: RAY DUNNINGTON. (SEC. 35, T. 5S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN THE COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 1,430 FT, SCREENED 1,410-1,430. MP CENTER LINE OF SAMPLE FAUCET, 2.00 FT ABOVE LSD.
 LSD 52 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 87.80 ABOVE LSD, JAN. 14, 1961,
 LOWEST WATER LEVEL 53.00 ABOVE LSD, JULY 15, 1997.
 RECORDS AVAILABLE 1961, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1996	+53.50	FEB. 21, 1997	+54.10	APR. 21, 1997	+54.20	JULY 15, 1997	+53.00

303104090335901 LOCAL WELL NUMBER: TA-343

OWNER: LA. STATE SCHOOL, HAMMOND. (SEC. 24, T. 6S., R. 6E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 TO 6 IN., DEPTH 2,442 FT, SCREENED 2,402-2,442. MP CENTER LINE OF FAUCET ON BEND OF 8-IN. PIPE, 1.80 FT ABOVE LSD.
 LSD 42 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 87.43 ABOVE LSD, MAY 19, 1969,
 LOWEST WATER LEVEL 30.70 ABOVE LSD, JULY 15, 1997.
 RECORDS AVAILABLE 1969, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1996	+33.80	FEB. 24, 1997	+33.80	APR. 14, 1997	+35.50	JULY 15, 1997	+30.70

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 593-603. MP TOP OF 2-IN. GALV. PIPE, 2.15 FT ABOVE LSD.
 LSD 220 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975,
 LOWEST WATER LEVEL 7.27 BELOW LSD, OCT. 16, 1996.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1996	7.27	FEB. 21, 1997	7.23	APR. 21, 1997	6.66	JULY 15, 1997	6.12

305604090312101 LOCAL WELL NUMBER: TA-454

OWNER: TOWN OF KENTWOOD. (SEC. 29, T. 1S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 720 FT, SCREENED 640-720. MP TOP OF 3/8-IN. HOLE IN BREATHER PIPE, NORTH SIDE OF WELL, 2.24 FT ABOVE LSD.
 LSD 260 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 70.09 BELOW LSD, JAN. 14, 1992,
 LOWEST WATER LEVEL 84.41 BELOW LSD, JULY 2, 1990.
 RECORDS AVAILABLE 1983, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1996	75.20	FEB. 21, 1997	74.73	APR. 21, 1997	73.91	JULY 15, 1997	73.79

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 SEA LEVEL.

HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979,

LOWEST WATER LEVEL 17.78 BELOW LSD, JUNE 11, 1987.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	14.78	FEB. 3, 1997	13.13	MAY 5, 1997	11.08	JULY 8, 1997	11.47

UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: RIVERWOOD INTERNATIONAL, USA. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN., DEPTH 745 FT, SCREENED 670-745. MP 3/4-IN. HOLE IN TOP OF WELL COVER, 1.90 FT ABOVE LSD.

LSD 133.92 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959,

LOWEST WATER LEVEL 188.06 BELOW LSD, JULY 7, 1997.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1996	184.00	JAN. 31, 1997	185.80	MAY 15, 1997	186.35	JULY 7, 1997	188.06

VERMILION PARISH

295345092100703 LOCAL WELL NUMBER: VE-637L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN., DEPTH 243 FT, SCREENED 233-243. MP TOP OF 1 1/2-IN. PIPE, 2.66 FT ABOVE LSD.

LSD 4.06 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 8.10 BELOW LSD, FEB. 24, 1966,

LOWEST WATER LEVEL 15.11 BELOW LSD, JUNE 25, 1970.

RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 5, 1997	10.06						

295345092100702 LOCAL WELL NUMBER: VE-637U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 198 FT, SCREENED 188-198. MP TOP OF 1 1/2-IN. PIPE, 2.66 FT ABOVE LSD.

LSD 4.06 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 7.99 BELOW LSD, FEB. 24, 1966,

LOWEST WATER LEVEL 13.51 BELOW LSD, JUNE 9, 1971.

RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1996	11.14	JAN. 29, 1997	10.45	APR. 30, 1997	9.60	JULY 15, 1997	10.48

GROUND-WATER LEVELS

VERMILION PARISH-Continued

293845092264901 LOCAL WELL NUMBER: VE-639

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 608 FT, SCREENED 603-608. MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.

LSD 5.84 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 6.22 BELOW LSD, OCT. 20, 1965,

LOWEST WATER LEVEL 10.22 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1965-79, 1981, 1983-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1997	8.83						

VERNON PARISH

305850093260801 LOCAL WELL NUMBER: V-196

OWNER: LUTCHER MOORE LUMBER CO. (SEC. 18, T. 1S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 503 FT, SCREENED 451-503. MP 3/4-IN. HOLE IN SANITARY SEAL ON TOP OF 12-IN. CASING, 2.0 FT ABOVE LSD.

LSD 243 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 99.00 BELOW LSD, APR. 7, 1955,

LOWEST WATER LEVEL 137.07 BELOW LSD, APR. 29, 1997.

RECORDS AVAILABLE 1955, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	135.67	JAN. 7, 1997	136.34	APR. 4, 1997	129.92	JULY 10, 1997	136.28
NOV. 8	135.90	FEB. 13	136.02	APR. 29	137.07	AUG. 8	136.48
DEC. 9	136.18	MAR. 10	135.61	JUNE 12	135.75	SEP. 5	136.54

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 2 IN., DEPTH 915 FT, SCREENED 905-915. MP RED NOTCH ON TOP OF 2-IN. CASING AFTER REMOVING COUPLING, 3.10 FT ABOVE LSD.

LSD 305 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969,

LOWEST WATER LEVEL 153.32 BELOW LSD, AUG. 1, 1996.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	150.97	JAN. 7, 1997	151.21	APR. 4, 1997	150.28	JULY 11, 1997	151.23
NOV. 8	151.19	FEB. 13	150.59	APR. 29	150.76	AUG. 8	151.63
DEC. 10	150.92	MAR. 10	150.76	JUNE 13	150.90	SEP. 5	151.73

GROUND-WATER LEVELS

VERNON PARISH-Continued

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 2 IN., DEPTH 925 FT, SCREENED 915-925. MP RED NOTCH FILED ON NORTH SIDE OF 1-IN. REDUCER ON TOP OF 2-IN. COUPLING, 2.00 FT ABOVE LSD.
 LSD 290 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968,
 LOWEST WATER LEVEL 130.52 BELOW LSD, JUNE 13, 1997.
 RECORDS AVAILABLE 1967-80, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	128.08	JAN. 7, 1997	124.98	APR. 4, 1997	128.30	JULY 11, 1997	101.45
NOV. 8	126.86	FEB. 13	124.78	APR. 29	129.27	AUG. 8	102.70
DEC. 10	125.07	MAR. 10	127.12	JUNE 13	130.52	SEP. 5	102.88

310138093104501 LOCAL WELL NUMBER: V-492

OWNER: U.S. ARMY, FORT POLK. (SEC. 34, T. 1N., R. 8W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE WILLIAMSON-CREEK AQUIFER OF MIOCENE AGE, DIAM 10-6 IN., DEPTH 610 FT, SCREENED 568-608. MP REMOVE PLUG ON 2-IN. CHLORINATOR PIPE, 1.3 FT ABOVE LSD.
 LSD 300 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 141.93 BELOW LSD, MAR. 10, 1997,
 LOWEST WATER LEVEL 158.47 BELOW LSD, JULY 11, 1997.
 RECORDS AVAILABLE 1980, 1985, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1996	150.13	JAN. 24, 1997	150.09	APR. 4, 1997	153.44	JULY 11, 1997	158.47
NOV. 11	150.02	FEB. 14	155.92	APR. 30	153.77	AUG. 8	153.66
DEC. 13	150.33	MAR. 10	141.93	JUNE 13	150.37	SEP. 5	151.52

310644093090401 LOCAL WELL NUMBER: V-494

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 10 TO 6 IN., DEPTH 675 FT, SCREENED 591-647 AND 657-675. MP NOTCH FILED IN LOWER WALL OF ACCESS PIPE, 0.90 FT ABOVE LSD.
 LSD 340 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 224.73 BELOW LSD, NOV. 6, 1985,
 LOWEST WATER LEVEL 246.56 BELOW LSD, JUNE 13, 1997.
 RECORDS AVAILABLE 1981, 1985-86, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1996	242.78	JAN. 24, 1997	231.59	APR. 4, 1997	241.29	JULY 11, 1997	230.26
NOV. 11	234.34	FEB. 13	225.29	APR. 29	240.97	AUG. 8	236.49
DEC. 10	235.90	MAR. 10	246.06	JUNE 13	246.56	SEP. 5	239.67

310708093100904 LOCAL WELL NUMBER: V-513

OWNER: U.S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 16 TO 10 IN., DEPTH 1,275 FT, SCREENED 1,167-1,217 AND 1,245-1,275. MP TOP OF PVC DROP PIPE, 1.30 FT ABOVE LSD.
 LSD 335 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 177.45 BELOW LSD, JAN. 3, 1992,
 LOWEST WATER LEVEL 191.00 BELOW LSD, OCT. 25, 1990.
 RECORDS AVAILABLE 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1996	188.47	JAN. 23, 1997	186.57	APR. 4, 1997	189.18	JULY 11, 1997	184.41
NOV. 11	189.80	FEB. 13	186.47	APR. 29	188.32	SEP. 5	188.53
DEC. 10	187.48	MAR. 10	189.46	JUNE 13	188.65		

GROUND-WATER LEVELS

VERNON PARISH-Continued

310550093115801 LOCAL WELL NUMBER: V-515

OWNER: U.S. ARMY, FT POLK. (SEC. 4, T. 1N, R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN THE CARNAHAN BAYOU AQUIFER OF MIOCENE AGE, DIAM 16 IN., DEPTH 1,233 FT, SCREENED 1,160-1,230. MP LOWER LIP OF ANGLED COUPLING, AFTER REMOVING 90° ELBOW, 1.70 FT ABOVE LSD.
 LSD 320 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 166.80 BELOW LSD, MAR. 6, 1986,
 LOWEST WATER LEVEL 198.51 BELOW LSD, JULY 11, 1997.
 RECORDS AVAILABLE 1986, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	173.40	JAN. 23, 1997	173.57	APR. 4, 1997	176.82	JULY 11, 1997	198.51
NOV. 11	173.34	FEB. 13	185.00	APR. 30	176.17	SEP. 5,	173.87
DEC. 13	183.01	MAR. 13	174.03	JUNE 13	174.32		

310208093120401 LOCAL WELL NUMBER: V-536

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 14.5 FT, SCREENED 4.5-14.5. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.60 FT ABOVE LSD.
 LSD 275.60 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.62 BELOW LSD, JAN. 30, 1997,
 LOWEST WATER LEVEL 4.18 BELOW LSD, JUNE 11, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	3.68	JAN. 30, 1997	2.62	APR. 16, 1997	2.95	JULY 2, 1997	2.95

310208093120801 LOCAL WELL NUMBER: V-539

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 19 FT, SCREENED 9-19. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 1.0 FT ABOVE LSD.
 LSD 279.60 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 8.78 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 10.19 BELOW LSD, JAN. 23, 1989.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	9.93	JAN. 30, 1997	9.65	APR. 16, 1997	8.78	JULY 2, 1997	9.21

310209093120501 LOCAL WELL NUMBER: V-540

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 14.8 FT, SCREENED 4.8-14.8. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.90 FT ABOVE LSD.
 LSD 278.10 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 4.45 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 5.63 BELOW LSD, JUNE 11, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	5.38	JAN. 30, 1997	5.10	APR. 16, 1997	4.45	JULY 2, 1997	4.84

GROUND-WATER LEVELS

VERNON PARISH-Continued

310150093120201 LOCAL WELL NUMBER: V-541

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 15.5 FT, SCREENED 5.5-15.5. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.70 FT ABOVE LSD.
 LSD 265.50 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 8.62 BELOW LSD, JULY 2, 1997,
 LOWEST WATER LEVEL 11.59 BELOW LSD, JAN. 23, 1989.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	8.75	JAN. 30, 1997	9.07	APR. 16, 1997	9.00	JULY 2, 1997	8.62

310152093121301 LOCAL WELL NUMBER: V-542

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 15.8 FT, SCREENED 5.8-15.8. MP RED NOTCH ON SOUTH SIDE OF 2-IN. PVC CASING, 0.10 FT BELOW LSD.
 LSD 276.20 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.50 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 10.69 BELOW LSD, JUNE 11, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	10.60	JAN. 30, 1997	10.25	APR. 16, 1997	9.50	JULY 2, 1997	9.58

310201093120801 LOCAL WELL NUMBER: V-543

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 14.8 FT, SCREENED 4.8-14.8. MP RED NOTCH ON NORTH SIDE OF 2-IN. PVC CASING, 0.20 FT BELOW LSD.
 LSD 278.10 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 7.69 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 8.90 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	8.88	JAN. 30, 1997	8.46	APR. 16, 1997	7.69	JULY 2, 1997	7.82

310202093115901 LOCAL WELL NUMBER: V-545

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 15.0 FT, SCREENED 5.0-15.0. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.60 FT ABOVE LSD.
 LSD 263.10 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 5.69 BELOW LSD, JAN. 30, 1997,
 LOWEST WATER LEVEL 6.82 BELOW LSD, JUNE 11, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1989	6.32	JAN. 30, 1997	5.69	APR. 16, 1997	5.86	JULY 2, 1997	6.29

GROUND-WATER LEVELS

VERNON PARISH-Continued

310214093114701 LOCAL WELL NUMBER: V-570

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 15.4 FT, SCREENED 5.4-15.4. MP RED NOTCH ON NORTH SIDE OF 2-IN. PVC CASING, 2.50 FT ABOVE LSD.
 LSD 280.0 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 6.56 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 8.91 BELOW LSD, JUNE 11, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	8.03	JAN. 30, 1997	7.04	APR. 16, 1997	6.56	JULY 2, 1997	7.42

310633093093503 LOCAL WELL NUMBER: V-597

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 10.0 FT, SCREENED 3.0-10.0. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.20 FT ABOVE LSD.
 LSD 340.0 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.60 BELOW LSD, JULY 14, 1989,
 LOWEST WATER LEVEL 7.68 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	6.36	JAN. 30, 1997	4.11	APR. 14, 1997	3.05	JULY 2, 1997	5.57

310657093093201 LOCAL WELL NUMBER: V-601

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 14.0 FT, SCREENED 4.0-14.0. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.95 FT ABOVE LSD.
 LSD 351.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.22 BELOW LSD, APR. 14, 1997,
 LOWEST WATER LEVEL 11.75 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	11.57	JAN. 30, 1997	10.11	APR. 14, 1997	9.22	JULY 2, 1997	10.40

310703093093304 LOCAL WELL NUMBER: V-609

OWNER: U.S. ARMY, FT POLK. (SEC. 26, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 17.0 FT, SCREENED 7.0-17.0. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.70 FT ABOVE LSD.
 LSD 368.0 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL .41 BELOW LSD, JAN. 30, 1997,
 LOWEST WATER LEVEL 4.76 BELOW LSD, JULY 31, 1996.
 RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	.82	JAN. 30, 1997	.41	APR. 14, 1997	.92	JULY 2, 1997	4.43

GROUND-WATER LEVELS

VERNON PARISH-Continued

310402093121601 LOCAL WELL NUMBER: V-616

OWNER: U.S. ARMY, FT POLK. (SEC. 17, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 14.0 FT, SCREENED 4.0-14.0. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.30 FT ABOVE LSD.

LSD 352.00 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 1.36 BELOW LSD, JAN. 30, 1997,

LOWEST WATER LEVEL 3.21 BELOW LSD, JULY 2, 1997.

RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	1.53	JAN. 30, 1997	1.36	APR. 14, 1997	1.97	JULY 2, 1997	3.21

310452093065501 LOCAL WELL NUMBER: V-651

OWNER: U.S. ARMY, FORT POLK. (SEC. 8, T. 1N., R. 7W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 6 TO 3 IN., DEPTH 938 FT, SCREENED 908-938. MP RED NOTCH FILED IN LOWER WALL OF ACCESS PIPE, 1.3 FT ABOVE LSD.

LSD 320 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 223.26 BELOW LSD, JUNE 13, 1997,

LOWEST WATER LEVEL 258.18 BELOW LSD, JULY 11, 1997.

RECORDS AVAILABLE 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1996	251.22	JAN. 24, 1997	248.01	APR. 4, 1997	256.06	JULY 11, 1997	258.18
NOV. 14	250.46	FEB. 14	256.78	APR. 30	246.97	AUG. 8	252.32
DEC. 14	249.46	MAR. 10	247.60	JUNE 13	223.26	SEP. 5	247.65

310248093125501 LOCAL WELL NUMBER: V-659

OWNER: U.S. ARMY, FT POLK. (SEC. 20, T. 1N, R. 8W.) DRILLED PUBLIC-SUPPLY WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 24 TO 16 IN., DEPTH 912 FT, SCREENED 859-912. MP 3/4-IN. ID PIPE IN PUMP BASE, 2.1 FT ABOVE LSD.

LSD 310 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 209.32 BELOW LSD, MAR. 10, 1997,

LOWEST WATER LEVEL 239.95 BELOW LSD, AUG. 1, 1996.

RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1996	234.12	JAN. 24, 1997	225.80	APR. 4, 1997	224.61	JULY 11, 1997	220.02
NOV. 11	223.30	FEB. 14	226.17	APR. 30	223.69	AUG. 8	223.92
DEC. 13	228.70	MAR. 10	209.32	JUNE 13	223.17	SEP. 5	226.88

310310093120601 LOCAL WELL NUMBER: V-670

OWNER: U.S. ARMY, FORT POLK. (SEC. 20, T. 1N., R. 8W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE WILLIAMSON CREEK AQUIFER OF MIOCENE AGE, DIAM 24 IN., DEPTH 900 FT, SCREENED 859-900. MP RED NOTCH IN LOWER WALL OF ACCESS PIPE, 2.0 FT ABOVE LSD.

LSD 300 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 191.59 BELOW LSD, JAN. 23, 1997,

LOWEST WATER LEVEL 268.44 BELOW LSD, MAR. 1, 1995.

RECORDS AVAILABLE 1992, 1994-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1996	249.00	FEB. 14, 1997	250.72	APR. 30, 1997	251.54	AUG. 8, 1997	250.98
DEC. 13	249.82	MAR. 14	250.40	JUNE 13	252.95	SEP. 5	250.87
JAN. 23, 1997	191.59	APR. 4	246.52	JULY 11	252.98		

GROUND-WATER LEVELS

VERNON PARISH-Continued

310640093104501 LOCAL WELL NUMBER: V-5594Z

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK AQUIFER SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 4 IN., DEPTH 18 FT, SCREENED 8-18. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 1.34 FT ABOVE LSD.
 LSD 334.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 3.80 BELOW LSD, JAN. 30, 1997,
 LOWEST WATER LEVEL 14.28 BELOW LSD, MAY 26, 1988.
 RECORDS AVAILABLE 1988, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	6.55	JAN. 30, 1997	3.80	APR. 14, 1997	4.37	JULY 2, 1997	8.85

310228093115301 LOCAL WELL NUMBER: V-5809Z

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 18 FT, SCREENED 8-18. MP RED NOTCH ON NORTH SIDE OF 2-IN. PVC CASING, 0.75 FT BELOW LSD.
 LSD 287.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 0.35 BELOW LSD, JULY 13, 1989,
 LOWEST WATER LEVEL 3.42 BELOW LSD, JUNE 11, 1996.
 RECORDS AVAILABLE 1989, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1997	3.02	JAN. 30, 1997	2.56	APR. 16, 1997	2.77	JULY 2, 1997	2.73

310430093123014 LOCAL WELL NUMBER: V-6087Z

OWNER: U.S. ARMY, FT POLK. (SEC. 8, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK AQUIFER SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 27 FT, SCREENED 17-27. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.40 FT ABOVE LSD.
 LSD 318.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 11.64 BELOW LSD, NOV. 22, 1996,
 LOWEST WATER LEVEL 13.59 BELOW LSD, JUNE 11, 1996.
 RECORDS AVAILABLE 1993, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1996	11.64						

310424093120101 LOCAL WELL NUMBER: V-6149Z

OWNER: U.S. ARMY, FT POLK. (SEC. 9, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK AQUIFER SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 2 IN., DEPTH 16 FT, SCREENED 11-16. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 2.85 FT ABOVE LSD.
 LSD 350.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 1.49 BELOW LSD, JAN. 30, 1997,
 LOWEST WATER LEVEL 4.17 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	2.10	JAN. 30, 1997	1.49	APR. 14, 1997	1.64	JULY 2, 1997	3.20

GROUND-WATER LEVELS

VERNON PARISH-Continued

310152093121501 LOCAL WELL NUMBER: V-6153Z

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 19 FT, SCREENED 9-19. MP RED NOTCH ON NORTH SIDE OF 2-IN. CASING, 2.75 FT BELOW LSD.
 LSD 283.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 9.63 BELOW LSD, JAN. 25, 1994,
 LOWEST WATER LEVEL 11.23 BELOW LSD, JUNE 11, 1996.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	11.03	JAN. 30, 1997	10.59	APR. 16, 1997	9.95	JULY 2, 1997	10.16

310640093093201 LOCAL WELL NUMBER: V-6165Z

OWNER: U.S. ARMY, FT POLK. (SEC. 35, T. 2N, R. 8W.) DRILLED OBSERVATION WELL IN THE CASTOR CREEK AQUIFER SURFICIAL CONFINING UNIT OF MIOCENE AGE, DIAM 4 IN., DEPTH 15 FT, SCREENED 5-15. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.50 FT ABOVE LSD.
 LSD 325.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 1.27 BELOW LSD, JAN. 30, 1997,
 LOWEST WATER LEVEL 4.37 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	2.64	JAN. 30, 1997	1.27	APR. 14, 1997	1.58	JULY 2, 1997	3.19

310253093114302 LOCAL WELL NUMBER: V-6269Z

OWNER: U.S. ARMY, FT POLK. (SEC. 21, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 4 IN., DEPTH 21 FT, SCREENED 15-18. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 3.15 FT ABOVE LSD.
 LSD 320.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 10.58 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 13.82 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	12.81	JAN. 30, 1997	11.50	APR. 16, 1997	10.58	JULY 2, 1997	11.72

310116093123301 LOCAL WELL NUMBER: V-6305Z

OWNER: U.S. ARMY, FT POLK. (SEC. 32, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 4 IN., DEPTH 14 FT, SCREENED 9-13. MP RED NOTCH ON TOP OF 4-IN. PVC CASING, 2.98 FT ABOVE LSD.
 LSD 268.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 2.06 BELOW LSD, MAR. 16, 1995,
 LOWEST WATER LEVEL 10.41 BELOW LSD, NOV. 20, 1996.
 RECORDS AVAILABLE 1995-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	10.41	JAN. 30, 1997	7.57	APR. 16, 1997	4.87	JULY 2, 1997	6.56

GROUND-WATER LEVELS

VERNON PARISH-Continued

310230093121301 LOCAL WELL NUMBER: V-6340Z

OWNER: U.S. ARMY, FT POLK. (SEC. 29, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 4 IN., DEPTH 14.8 FT, SCREENED 4.8-14.8. MP RED NOTCH ON NORTH SIDE OF 4-IN. PVC CASING, 2.70 FT ABOVE LSD.
 LSD 300.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 11.44 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 12.88 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1995-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	12.60	JAN. 30, 1997	11.95	APR. 16, 1997	11.44	JULY 2, 1997	12.00

310207093120302 LOCAL WELL NUMBER: V-6346Z

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 19 FT, SCREENED 9-19. MP RED NOTCH ON TOP OF 2-IN. PVC CASING, 0.25 FT BELOW LSD.
 LSD 273.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 7.58 BELOW LSD, JUNE 1, 1990,
 LOWEST WATER LEVEL 8.84 BELOW LSD, SEP. 12, 1996.
 RECORDS AVAILABLE 1990, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	8.57	JAN. 30, 1997	8.49	APR. 16, 1997	7.74	JULY 2, 1997	7.81

310205093120501 LOCAL WELL NUMBER: V-6352Z

OWNER: U.S. ARMY, FT POLK. (SEC. 28, T. 1N, R. 8W.) DRILLED OBSERVATION WELL IN THE EVANGELINE AQUIFER SURFICIAL CONFINING UNIT OF PLIOCENE AGE, DIAM 2 IN., DEPTH 11.4 FT, SCREENED 4.1-11.1. MP RED NOTCH ON NORTH SIDE OF 2-IN. PVC CASING, 0.30 FT BELOW LSD.
 LSD 268.00 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 5.32 BELOW LSD, APR. 16, 1997,
 LOWEST WATER LEVEL 6.29 BELOW LSD, MAR. 28, 1996, SEP. 12, 1996.
 RECORDS AVAILABLE 1990, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 20, 1996	6.19	JAN. 30, 1997	5.96	APR. 16, 1997	5.32	JULY 2, 1997	5.40

WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: GAYLORD CONTAINER CORP. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 20 IN., DEPTH 156 FT, SCREENED 90-156. MP TOP OF 12-IN. CASING, AT LSD.
 LSD 95 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 1.30 ABOVE LSD, JULY 14, 1997,
 LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1996	7.78	FEB. 25, 1997	5.91	APR. 17, 1997	6.52	JULY 14, 1997	6.33

GROUND-WATER LEVELS

WASHINGTON PARISH-Continued

304612089512401 LOCAL WELL NUMBER: WA-158

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE AMITE AQUIFER OF MIOCENE AGE, DIAM 16 TO 12 3/4 IN., DEPTH 1,410 FT, SCREENED 1,337-1,414.MP 3/4-IN. BOLT IN SANITARY SEAL, 1.63 FT ABOVE LSD.

LSD 97 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 53.00 BELOW LSD, MAY 18, 1987,

LOWEST WATER LEVEL 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
OCT. 22, 1996	85.96	APR. 17, 1997	74.03	JULY 14, 1997	72.19		

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 SEA LEVEL.

HIGHEST WATER LEVEL 43.37 BELOW LSD, MAR. 11, 1987,

LOWEST WATER LEVEL 46.57 BELOW LSD, OCT. 3, 1995.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1996	45.24	JAN. 30, 1997	44.21	MAY 13, 1997	43.52	JULY 7, 1997	43.75

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: CITY OF PORT ALLEN. (SEC. 66, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 IN., DEPTH 1,335 FT, SCREENED 1,230-1,335. MP TOP EDGE OF 3/8-IN. HOLE IN 8-IN. COLLAR, 4.90 FT ABOVE LSD.

LSD 27 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 36.10 ABOVE LSD, JUNE 21, 1943,

LOWEST WATER LEVEL 112.62 BELOW LSD, AUG. 15, 1974.

RECORDS AVAILABLE 1943-46, 1949-50, 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	74.38	JAN. 15, 1997	66.69	APR. 24, 1997	66.68	JULY 31, 1997	80.64

302652091121401 LOCAL WELL NUMBER: WBR-100A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,888 FT, SCREENED 1,884-1,888. MP TOP OF 4-IN. CASING, 1.50 FT ABOVE LSD.

LSD 29 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966,

LOWEST WATER LEVEL 129.75 BELOW LSD, APR. 26, 1996.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1996	111.19	JAN. 15, 1997	121.39	APR. 24, 1997	99.05	JULY 30, 1997	109.50

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH-Continued

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP OF 2-IN. CASING, 2.06 FT ABOVE LSD.
 LSD 29 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966,
 LOWEST WATER LEVEL 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. 21, 1996	154.85	JAN. 15, 1997	155.85	APR. 24, 1997	148.53	JULY 30, 1997	159.37
JAN. 9, 1997	154.69						

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 SEA LEVEL.
 HIGHEST WATER LEVEL 36.13 BELOW LSD, APR. 24, 1997,
 LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.
 RECORDS AVAILABLE 1966-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1996	42.55	JAN. 15, 1997	38.48	APR. 24, 1997	36.13	JULY 30, 1997	43.63

302806091172602 LOCAL WELL NUMBER: WBR-102B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,100 FT, SCREENED 2,096-2,100. MP TOP OF 2-IN. CASING, 2.07 FT ABOVE LSD.
 LSD 18 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 63.89 BELOW LSD, APR. 22, 1966,
 LOWEST WATER LEVEL 189.22 BELOW LSD, SEP. 25, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1996	150.67	JAN. 15, 1997	146.15	APR. 24, 1997	139.56	JULY 30, 1997	143.80

302703091133703 LOCAL WELL NUMBER: WBR-106

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 2,017 FT, SCREENED 2,012-2,017. MP TOP EDGE OF 3/4-IN. AIR LINE, 2.08 FT ABOVE LSD.
 LSD 22 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966,
 LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.
 RECORDS AVAILABLE 1966-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	209.73	JAN. 15, 1997	196.41	APR. 24, 1997	188.75	JULY 30, 1997	198.61

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH-Continued

302550091124101 LOCAL WELL NUMBER: WBR-111

OWNER: CITY OF PLAQUEMINE. (SEC. 70, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 TO 8 IN., DEPTH 2,650 FT, SCREENED 2,610-2,650. MP CENTER LINE OF 8-IN. CASING, 1.40 FT ABOVE LSD.
 LSD 25 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 43.50 ABOVE LSD, JAN. 15, 1970,
 LOWEST WATER LEVEL 3.36 BELOW LSD, OCT. 15, 1971.
 RECORDS AVAILABLE 1970-71, 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1996	+ 11.60	APR. 7, 1997	+13.60	MAY 1, 1997	+13.10	AUG. 1, 1997	+9.50
JAN. 22, 1997	+12.20						

302547091123201 LOCAL WELL NUMBER: WBR-113

OWNER: CITY OF PLAQUEMINE. (SEC. 70, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 TO 8 IN., DEPTH 2,242 FT, SCREENED 2,148-2,168, 2,176-2,206, AND 2,214-2,242. MP EDGE OF 1-IN. VENT PIPE INSIDE PUMP HOUSING, 2.8 FT ABOVE LSD.
 LSD 28 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 49.20 BELOW LSD, MAY 7, 1974,
 LOWEST WATER LEVEL 83.94 BELOW LSD, FEB. 5, 1996.
 RECORDS AVAILABLE 1974, 1994-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1996	82.58	APR. 7, 1997	74.58	MAY 1, 1997	77.84	AUG. 1, 1997	78.84

302505091132001 LOCAL WELL NUMBER: WBR-132

OWNER: WBR WATER DISTRICT 2. (SEC. 74, T. 7S., R. 12E.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 18 TO 12 TO 8 TO 6 IN., DEPTH 2,082 FT, SCREENED 2,012-2,082. MP TOP OF SANITARY SEAL ON WEST SIDE, REMOVE 1/2-IN. PIPE AND CAP, 2.0 FT ABOVE LSD.
 LSD 20 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 30.65 ABOVE LSD, FEB. 10, 1976,
 LOWEST WATER LEVEL 61.46 BELOW LSD, AUG. 19, 1996.
 RECORDS AVAILABLE 1976, 1993-94, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1996	58.34	JAN. 21, 1997	59.24	MAY 1, 1997	54.50	AUG. 4, 1997	57.97

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 119, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN., DEPTH 472 FT, SCREENED 462-472. MP LIP OF 3/4- IN. NIPPLE, 3.0 FT ABOVE LSD.
 LSD 25 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 10.54 ABOVE LSD, APR. 27, 1979,
 LOWEST WATER LEVEL 20.60 BELOW LSD, OCT. 24, 1988.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	12.04	JAN. 15, 1997	1.73	APR. 24, 1997	+8.00	JULY 30, 1997	11.44

See footnotes at end of table.

GROUND-WATER LEVELS

WEST BATON ROUGE PARISH--Continued

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 1,304 FT, SCREENED 1,294-1,304. MP TOP OF 2 1/2-IN. CASING, AT LSD.
 LSD 14 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 29.54 BELOW LSD, NOV. 12, 1993,
 LOWEST WATER LEVEL 53.42 BELOW LSD, JAN. 18, 1979.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	37.18	JAN. 15, 1997	33.75	APR. 23, 1997	31.34	JULY 31, 1997	38.05
JAN. 9, 1997	33.77						

302958091124801 LOCAL WELL NUMBER: WBR-160

OWNER: WEST BATON ROUGE GAS AND WATER SYSTEM. (SEC. 50, T. 6S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 840 FT, SCREENED 830-840. MP 1/2-IN. HOLE IN TOP OF 4-IN. CAP, 2.40 FT ABOVE LSD.
 LSD 26 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 47.10 BELOW LSD, JULY 15, 1980,
 LOWEST WATER LEVEL 122.81 BELOW LSD, JULY 31, 1995.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	102.95	JAN. 15, 1997	88.90	APR. 28, 1997	104.59	JULY 30, 1997	93.38

302958091124802 LOCAL WELL NUMBER: WBR-161

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 650 FT, SCREENED 640-650. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD.
 LSD 26 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 19.86 BELOW LSD, JULY 5, 1990,
 LOWEST WATER LEVEL 63.75 BELOW LSD, SEP. 19, 1979.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1996	42.08	JAN. 15, 1997	35.31	APR. 28, 1997	28.35	JULY 30, 1997	33.99

302456091130202 LOCAL WELL NUMBER: WBR-173

OWNER: WBR WATER DISTRICT 2. (SEC. 74, T. 8S., R. 12E.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 18 TO 12 TO 8 IN., DEPTH 2,194 FT, SCREENED 2,124-2,194. MP LOWER LIP OF ACCESS PIPE ON EAST SIDE, 1.5 FT ABOVE LSD.
 LSD 25 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 56.72 BELOW LSD, MAY 10, 1994,
 LOWEST WATER LEVEL 66.76 BELOW LSD, AUG. 19, 1996.
 RECORDS AVAILABLE 1994, 1996-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1996	63.86	FEB. 10, 1997	59.94	MAY 1, 1997	60.27	AUG. 4, 1997	62.94
JAN. 21, 1997	65.47						

GROUND-WATER LEVELS

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD AQUIFER OF EOCENE AGE, DIAM 4 TO 2 IN., DEPTH 383 FT, SCREENED 377-383. MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.

LSD 106.35 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963,

LOWEST WATER LEVEL 32.39 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. 2, 1996	31.54	JAN. 31, 1997	31.04	MAY 5, 1997	30.77	JULY 7, 1997	31.58

324508091252302 LOCAL WELL NUMBER: WC-230

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/4 IN., DEPTH 87 FT, SCREENED 84-87. MP TOP OF CASING, 3.0 FT ABOVE LSD.

LSD 120 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 28.19 BELOW LSD, JULY 17, 1990,

LOWEST WATER LEVEL 30.92 BELOW LSD, OCT. 2, 1996.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1996	30.92	JAN. 31, 1997	30.70	MAY 5, 1997	30.63	JULY 7, 1997	30.82

WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-22D

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 53, T. 1S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 IN., DEPTH 907 FT, SCREENED 847-907. MP HOLE IN TOP OF REDUCER ABOVE STEEL CASING, 0.65 FT ABOVE LSD.

LSD 60 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959,

LOWEST WATER LEVEL 14.60 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1956, 1958-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	12.14	JAN. 24, 1997	10.57	APR. 22, 1997	6.98	JULY 28, 1997	10.41

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 24, T. 1S., R. 5W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) MIOCENE AGE, DIAM 12 IN., REPORTED DEPTH 632 FT, SCREENED 549-632. MP BOTTOM EDGE OF 3/4-IN. NIPPLE, 3.5 FT ABOVE LSD.

LSD 50 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958,

LOWEST WATER LEVEL 17.25 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1956, 1958-59, 1963-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	12.96	JAN. 24, 1997	12.40	APR. 22, 1997	9.60	JULY 28, 1997	13.30

GROUND-WATER LEVELS

WEST FELICIANA-Continued

304844091204101 LOCAL WELL NUMBER: WF-158

OWNER: G.A. DANIEL. (SEC. 80, T. 3S., R. 2W.) DRILLED UNUSED WATER-TABLE WELL IN UPLAND TERRACE AQUIFER OF QUATERNARY AGE, DIAM 2 IN., DEPTH 156 FT, SCREENED 146-156. MP TOP OF 2-IN. CASING, 0.50 FT ABOVE LSD. LSD 198 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 94.73 BELOW LSD, AUG. 1, 1995.

LOWEST WATER LEVEL 102.23 BELOW LSD, AUG. 5, 1991.

RECORDS AVAILABLE 1958, 1976-78, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	95.28	FEB. 19, 1997	95.54	APR. 22, 1997	95.28	JULY 28, 1997	94.89

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 1,526 FT, SCREENED 1,446-1,526. MP PLUG ON FLANGE BEFORE DISCHARGE PIPE, 1.23 FT ABOVE LSD.

LSD 140 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962.

LOWEST WATER LEVEL 127.03 BELOW LSD, OCT. 17, 1995.

RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1996	120.31	FEB. 21, 1997	120.56	APR. 22, 1997	121.14	JULY 25, 1997	122.31

304933091224201 LOCAL WELL NUMBER: WF-254

OWNER: WEST FELICIANA PARISH SCHOOL BOARD. (SEC. 68, T. 2S., R. 3W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 793 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF 3-IN. CASING, 0.80 FT ABOVE LSD.

LSD 155 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 100.42 BELOW LSD, APR. 22, 1997.

LOWEST WATER LEVEL 105.64 BELOW LSD, APR. 26, 1994.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	103.08	JAN. 24, 1997	102.51	APR. 22, 1997	100.42	JULY 28, 1997	102.74

304958091191801 LOCAL WELL NUMBER: WF-274

OWNER: WEST FELICIANA PARISH WATERWORKS DISTRICT 13. (SEC. 44, T. 2S, R. 2W) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN., DEPTH 1,630 FT, SCREENED 1,590-1,630. MP EDGE OF BREATHER PIPE, 2.9 FT ABOVE LSD.

LSD 220 FT ABOVE SEA LEVEL.

HIGHEST WATER LEVEL 198.38 BELOW LSD, SEP. 16, 1992.

LOWEST WATER LEVEL 215.01 BELOW LSD, FEB. 19, 1997.

RECORDS AVAILABLE 1982, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	212.87	FEB. 19, 1997	215.01	APR. 22, 1997	210.38	JULY 28, 1997	210.58

GROUND-WATER LEVELS

WEST FELICIANA PARISH-Continued

305547091202301 LOCAL WELL NUMBER: WF-286

OWNER: WEST FELICIANA PARISH WATERWORKS DISTRICT 13. (SEC. 83, T. 1S, R. 2W) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN SAND ("2,400-FT SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10-8 IN., DEPTH 982 FT, SCREENED 912-930 AND 940-982. MP EDGE OF BREATHING PIPE ON WEST SIDE, 1.9 FT ABOVE LSD.
 LSD 290 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 234.00 BELOW LSD, SEP. 26, 1987,
 LOWEST WATER LEVEL 253.86 BELOW LSD, AUG. 5, 1991.
 RECORDS AVAILABLE 1987, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1996	248.16	FEB. 19, 1997	245.06	APR. 22, 1997	243.57	JULY 28, 1997	246.99

WINN PARISH

315527092370801 LOCAL WELL NUMBER: W-28

OWNER: CITY OF WINNFIELD. (SEC. 19, T. 11N., R. 2W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 14 TO 10 IN., DEPTH 480 FT, SCREENED 360-480. MP TOP OF 1-IN. COUPLING, 1.1 FT ABOVE LSD.
 LSD 105 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 39.10 BELOW LSD, APR. 6, 1992,
 LOWEST WATER LEVEL 60.07 BELOW LSD, OCT. 5, 1995.
 RECORDS AVAILABLE 1963, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	52.14	JAN. 8, 1997	50.64	MAY 14, 1997	50.92	JULY 8, 1997	55.32

315450092310102 LOCAL WELL NUMBER: W-144B

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 550 FT, SCREENED 540-550. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 140 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 28.50 BELOW LSD, MAR. 5, 1986,
 LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.
 RECORDS AVAILABLE 1971-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	37.55	MAR. 10, 1997	38.18	SEP. 2, 1997	41.77		

GROUND-WATER LEVELS

WINN PARISH--Continued

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 655 FT, SCREENED 645-655. MP TOP OF CASING, 4.7 FT ABOVE LSD. LSD 140 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979,
 LOWEST WATER LEVEL 91.68 BELOW LSD, JULY 8, 1997.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	91.21	JAN. 8, 1997	91.29	MAY 14, 1997	91.40	JULY 8, 1997	91.68

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. LSD 195 FT ABOVE SEA LEVEL.
 HIGHEST WATER LEVEL 101.79 BELOW LSD, MAY 12, 1989,
 LOWEST WATER LEVEL 111.32 BELOW LSD, SEP. 2, 1997.
 RECORDS AVAILABLE 1979-87, 1989, 1993-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1996	108.70	MAR. 10, 1997	109.18	SEP. 2, 1997	111.32		

- * 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 1996 TO SEPTEMBER 1997
 [See end of table for explanation of geologic unit (aquifer) codes]

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE, FIELD (μS/CM)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
ACADIA PARISH								
AC- 451	S 34 T10S R 1W	300740092265001	112CHCTU	293	03-06-97	--	790	41
CALCASIEU PARISH								
CU- 615	S 4 T10S R 9W	301338093172801	11205LC	533	05-06-97	--	737	130
CU- 694	S 19 T10S R 9W	301044093195101	11205LC	556	03-03-97	--	1580	380
CU- 767	S 20 T10S R 8W	301036093124401	11207LC	850	03-03-97	71.73	3420	960
CU- 771	S 5 T10S R 9W	301336093183002	11202LC	241	03-03-97	60.17	422	16
CU- 787	S 36 T11S R 10W	300353093210201	11205LC	734	03-03-97	52.60	536	52
CAMERON PARISH								
CN- 86L	S 13 T12S R 12W	300120093320802	11205LC	641	03-03-97	36.99	1920	460
CN- 88L	S 14 T12S R 8W	300055093093004	11205LC	804	03-04-97	47.12	2360	600
CN- 90	S 4 T13S R 7W	295611093044801	11202LC	396	03-04-97	25.80	985	170
CN- 92	S 12 T12S R 7W	300104093015601	11202LC	443	03-04-97	31.12	1710	380
CONCORDIA PARISH								
CO- 205	S 4 T 5N R 8E	312614091400001	112MRVA	130	03-13-97	6.78	860	36
					09-04-97	18.74	878	36
CO- 215	S 3 T 5N R 8E	312630091390001	112MRVA	121	03-13-97	5.34	3330	890
					09-04-97	13.70	3420	850
EAST BATON ROUGE PARISH								
EB- 151	S 82 T 7S R 1E	302641091085801	12223BR	2658	11-21-96	--	352	2.6
EB- 413	S 81 T 7S R 1E	302642091083201	12115BR	1745	11-21-96	--	321	3.1
EB- 434	S 49 T 7S R 1W	302619091104003	11206BR	611	11-26-96	64.22	466	58
EB- 621	S 39 T 7S R 1E	302500091052501	12112BR	1487	11-21-96	--	403	16
EB- 630	S 48 T 7S R 1W	302651091112408	12220BR	2253	11-25-96	--	865	150
EB- 700	S 88 T 6S R 1E	303130091073101	12228BR	2557	11-20-96	--	601	8.5
EB- 733	S 81 T 7S R 1E	302647091083301	12223BR	2637	11-21-96	--	347	2.4
EB- 750	S 75 T 6S R 1W	303141091114801	12228BR	2643	11-25-96	--	718	56
EB- 771	S 81 T 7S R 1E	302646091083801	12115BR	1739	11-21-96	--	320	3.6
EB- 778	S 94 T 7S R 1E	302509091082701	12220BR	2586	11-20-96	7.83	1010	160
EB- 780A	S 94 T 7S R 1E	302509091082702	12112BR	1622	11-19-96	35.33	3110	900
EB- 781	S 94 T 7S R 1E	302535091090401	12220BR	2286	12-06-96	181.58	10000	3400
EB- 782A	S 94 T 7S R 1E	302535091090402	12110BR	1189	11-25-96	25.17	1750	440
EB- 783A	S 54 T 7S R 1W	302502091113601	12115BR	2179	12-12-96	64.34	960	190
EB- 783B	S 54 T 7S R 1W	302502091113602	12220BR	2675	11-20-96	--	3410	780
EB- 789B	S 93 T 7S R 1E	302511091070402	12115BR	1721	12-03-96	46.13	9000	2900
EB- 792B	S 95 T 7S R 1E	302605091080602	12220BR	2286	12-06-96	--	387	2.3
EB- 793	S 71 T 7S R 1W	302719091103201	11206BR	687	12-02-96	55.80	330	3.1

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1996 TO SEPTEMBER 1997

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE, FIELD (μS/CM)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
EAST BATON ROUGE PARISH--Continued								
EB- 798	S 39 T 6S R 1W	303133091103101	12228BR	2647	11-25-96	--	1110	190
EB- 803B	S 5 T 8S R 2E	302306091022602	12220BR	2565	11-19-96	--	2270	570
EB- 804A	S 70 T 7S R 1E	302428091035001	12117BR	1950	12-11-96	101.01	390	2.5
EB- 804B	S 70 T 7S R 1E	302428091035002	12224BR	2762	12-11-96	98.83	529	40
EB- 805	S 70 T 7S R 1E	202428091035003	12110BR	1072	12-11-96	69.72	23800	8500
EB- 807A	S 96 T 7S R 1E	302611091091201	12115BR	1713	12-17-96	131.58	11700	3800
EB- 807B	S 96 T 7S R 1E	302611091091202	12220BR	2264	01-08-97	--	415	11
EB- 825	S 96 T 7S R 1E	302553091092002	11204BR	475	11-22-96	42.25	276	3.5
EB- 870	S 44 T 7S R 1W	302729091100601	11206BR	692	12-02-96	72.60	290	2.8
EB- 879	S 61 T 7S R 2E	302402091005201	11206BR	664	11-20-96	--	303	2.9
EB- 917	S 95 T 7S R 1E	302614091083001	12115BR	1736	12-13-96	138.07	378	29
EB- 918	S 91 T 7S R 1E	302547091074401	12115BR	1834	12-09-96	127.26	732	130
EB-1000	S 69 T 6S R 1W	303251091115001	12228BR	2926	01-30-97	64.83	788	87
EB-1007	S 71 T 7S R 1W	302711091111501	12108BR	845	11-19-97	--	353	2.8
EB-1017C	S 57 T 7S R 2E	302406091021203	11204BR	567	11-21-96	--	307	3.4
EB-1028	S 53 T 7S R 1W	302605091100901	12220BR	2238	01-06-97	190.42	1100	240
EB-1150	S 74 T 7S R 1W	302653091103703	12220BR	2242	11-21-96	--	391	5.0
EB-1253	S 48 T 7S R 1W	302652091112410	12223BR	2687	11-25-96	--	423	3.0
EB-1259	S 62 T 7S R 1E	302534091054502	11204BR	515	11-18-96	--	265	3.5
EB-1274	S 81 T 7S R 1E	302642091083401	11208BR	855	12-18-96	--	342	2.5
EB-1278	S 39 T 7S R 1E	302501091052601	11204BR	547	07-22-97	36.88	316	2.7
FRANKLIN PARISH								
FR- 720	S 30 T14N R 8E	320941091411301	112MRVA	100	03-13-97	18.25	9890	3200
					09-03-97	17.54	9970	3100
FR- 721	S 25 T14N R 7E	320958091425501	112MRVA	77	03-13-97	9.94	1700	290
					09-03-97	11.02	1710	290
IBERIA PARISH								
I- 93	S 5 T 12S R 7E	300035091443301	112CHCTU	585	03-05-97	16.49	780	52
JEFFERSON PARISH								
JF- 161	S 1 T13S R23E	295549090104101	112GZNO	772	10-01-96	--	1400	250
					05-19-97	--	1430	260
JF- 184	S 38 T12S R10E	295926090143201	112GZNO	704	04-14-97	--	768	110
JEFFERSON DAVIS PARISH								
JD- 491	S 14 T11S R 3W	300508092405601	112CHCTU	377	03-04-97	--	716	100

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1996 TO SEPTEMBER 1997

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE, FIELD (µS/CM)	CHLORIDE, DISSOLVED (MG/L AS CL)
LAFAYETTE PARISH								
LF- 524	S 7 T11S R 5E	300605091593502	112CHCTU	174	03-06-97	--	203	7.4
MADISON PARISH								
MA- 64	S 23 T17N R12E	322614091122001	112MRVA	117	03-18-97	8.05	9600	2700
					09-04-97	11.30	9770	2800
MA- 65	S 34 T17N R12E	322428091130201	112MRVA	119	03-18-97	5.39	6520	1700
					09-04-97	8.52	6460	1700
MOREHOUSE PARISH								
MO- 65	S 25 T21N R 5E	324647091543801	124SPRT	564	03-14-97	--	1240	190
					09-03-97	--	1230	190
MO- 84	S 25 T21N R 5E	324654091545301	124SPRT	608	03-14-97	--	1230	180
					09-03-97	--	1220	180
MO- 342	S 19 T21N R 7E	324753091471201	124SPRT	620	03-14-97	90.23	2060	420
					09-03-97	93.01	2020	420
MO- 710	S 17 T23N R10E	325826091280401	112MRVA	130	03-14-97	14.74	2680	460
					09-03-97	14.83	2710	460
MO- 842	S 18 T22N R 9E	325359091344802	112MRVA	90	03-14-97	34.28	1290	150
					09-04-97	36.05	1280	160
ORLEANS PARISH								
OR- 130	S 29 T12S R12E	295738090021001	112GZNO	736	04-16-97	--	2020	420
OR- 195	S 38 T12SR12E	300054090012601	112GZNO	658	05-19-97	--	1030	100
OR- 203	S 30 T11S R13E	300349089562401	112GZNO	453	04-16-97	60.78	1720	360
OUACHITA PARISH								
OU- 402	S 16 T15N R 4E	321714092041401	124SPRT	750	03-11-97	53.86	3640	910
					09-02-97	64.46	--	890
OU- 403	S 16 T15N R 4E	321714092041402	124SPRT	460	03-11-97	62.80	1760	280
					09-02-97	64.46	1780	270
OU- 405	S 30 T17N R 4E	322531092053901	124SPRT	775	03-11-97	127.62	2130	430
					09-05-97	129.65	2100	410
OU- 406	S 30 T17N R 4E	322531092053902	124SPRT	681	09-04-97	157.66	1620	220
OU- 469	S 2 T16N R 4E	322425092020401	124SPRT	400	03-18-97	106.59	1030	130
					09-04-97	--	1020	130
RICHLAND PARISH								
RI- 112	S 24 T17N R 9E	322623091294901	112MRVA	67	03-18-97	35.19	1400	310
					09-03-97	34.18	1310	310
RI- 114	S 24 T17N R 9E	322636091295702	112MRVA	66	03-12-97	31.82	1440	280
					09-03-97	32.40	1350	250
RI- 124	S 25 T17N R 9E	322605091301101	112MRVA	84	03-17-97	25.56	1520	250
					09-03-97	26.82	1500	250

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1996 TO SEPTEMBER 1997

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE, FIELD (μS/CM)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
ST. CHARLES PARISH								
SC- 159	S 23 T12S R20E	295926090273101	112NORC	440	04-14-97	--	2270	440
ST. JAMES PARISH								
SJ- 226	S190 T11S R 5E	300325090394201	112GRMC	248	05-19-97	--	705	91
ST. JOHN THE BAPTIST PARISH								
SJB- 165	S 5 T10S R 8E	301247090245901	120CVGN	3000	04-15-97	-52.90	1010	84
SJB- 176	S 33 T 9S R 8E	301336090244101	120CVGN	2950	04-15-97	-52.90	837	37
SJB- 180	S 7 T10S R 8E	301143090260101	120CVGN	3091	04-15-97	-62.40	814	46
ST. MARTIN PARISH								
SMN- 108	S 36 T 9S R 7E	301304091424001	112CHCTL	505	03-05-97	1.27	2000	360
SMN- 109	S 36 T 9S R 7E	301304091424002	112CHCTU	375	03-05-97	2.03	1170	120
ST. MARY PARISH								
SM- 57U	S 27 T14S R 8E	294749091402301	112CHCTU	638	06-17-97	8.88	1140	190
VERMILION PARISH								
VE- 637L	S 15 T13S R 3E	295345092100703	112CHCTU	243	03-05-97	10.06	2710	680
VE- 639	S 2 T16S R 1E	293845092264901	112CHCTU	608	03-04-97	8.73	1540	310
WEST BATON ROUGE PARISH								
WBR- 35	S 68 T 7S R12E	302657091124201	12112BR	1290	05-14-97	--	304	2.8
WBR- 100B	S 68 T 7S R12E	302652091121402	12224BR	2448	01-09-97	154.69	365	2.1
WBR- 112	S 70 T 7S R12E	302550091124102	12115BR	2205	10-30-96	--	623	80
					01-22-97	--	614	79
					05-01-97	--	644	86
					08-01-97	--	646	86
					10-30-96	--	1120	200
WBR- 113	S 70 T 7S R12E	302547091123201	12115BR	2242	01-22-97	--	1110	200
					05-01-97	77.84	1150	210
					08-01-97	78.84	1190	230
					01-21-97	--	323	5.7
WBR- 132	S 74 T 7S R12E	302505091132001	12115BR	2082	01-21-97	--	323	5.7
WBR- 136	S 21 T 7S R12E	302712091145701	12112BR	1305	01-15-97	--	286	3.4
WBR- 148	S 23 T 7S R11E	302702091185101	12112BR	1304	01-09-97	33.77	342	2.6
WBR- 173	S 74 T 8S R12E	302456091130202	12115BR	2194	02-10-97	59.94	330	7.9
WBR- 181	S 68 T 7S R12E	302644091121201	12117BR	1900	01-15-97	--	302	4.4

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1996 TO SEPTEMBER 1997

WELL NO.	LOCATION SEC. T. R.	STATION NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE, FIELD (μ S/CM)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
WINN PARISH								
W- 144B	S 19 T11N R 1W	315450092310102	124SPRT	550	03-10-97	38.18	1630	250
					09-02-97	41.77	1590	170
W- 179	S 29 T12N R 1W	315948092300301	124SPRT	585	03-10-97	109.18	1490	250
					09-02-97	111.32	1440	230

HYDROGEOLOGIC UNIT (AQUIFER):

112CHCTL- Chicot aquifer, lower sand unit, Pleistocene age.
 112CHCTU- Chicot aquifer, upper sand unit, Pleistocene age.
 112GRMC-Gramercy aquifer, Pleistocene age.
 112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.
 112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
 112NORC-Norco aquifer, Pleistocene age.
 11202LC-"200-foot" sand of Lake Charles area, Pleistocene age.
 11204BR-"400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
 11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.
 11206BR-"600-foot" sand of Baton Rouge area, Pleistocene age.
 11207LC-"700-foot" sand of Lake Charles area, Pleistocene age.
 120CVGN-Covington aquifer (Zone 2), Pliocene age.
 12108BR-"800-foot" sand of Baton Rouge area, Pliocene age.
 12110BR-"1,000-foot" sand of Baton Rouge area, Pliocene age.
 12112BR-"1,200-foot" sand of Baton Rouge area, Pliocene age.
 12115BR-"1,500-foot" sand of Baton Rouge area, Pliocene age.
 12117BR-"1,700-foot" sand of Baton Rouge area, Pliocene age.
 12220BR-"2,000-foot" sand of Baton Rouge area, Miocene age.
 12223BR-"2,000 and 2,400 foot" sands of Baton Rouge area, Miocene age.
 12224BR-"2,400-foot" sand of Baton Rouge area, Miocene age.
 12228BR-"2,800-foot" sand of Baton Rouge area, Miocene age.
 124SPRT-Sparta sand, Eocene age.

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45600

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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