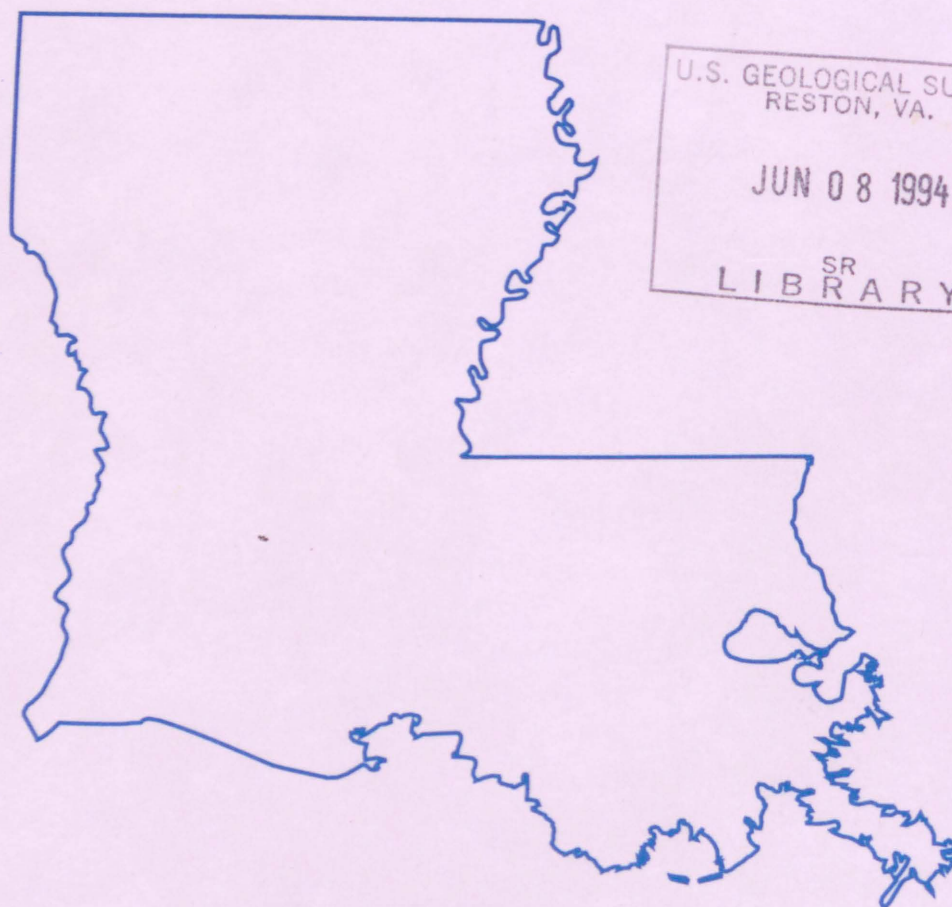


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Louisiana
1993



Water Resources Data Louisiana Water Year 1993



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-93-1

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

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.



Water Resources Data Louisiana Water Year 1993

by L.J. Dantin, C.R. Garrison, and W.M. Lovelace



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-93-1
Prepared in cooperation with the Louisiana Department of
Transportation and Development and with other State and
Federal agencies

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

U.S. GEOLOGICAL SURVEY
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U.S. Geological Survey

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1994

PREFACE

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

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

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This report was prepared in cooperation with the State of Louisiana and with other agencies under the general supervision of Edward H. Martin, District Chief, Louisiana.

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

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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS

	Type of data	Station number	Drainage area (mi ²)	Period of record
Bogue Lusa Creek near Franklinton, LA	(d)	02490000	12.1	1948-68
Bogue Lusa Creek at State Highway 439, at Bogalusa, LA	(d)	02490105	72.7	1963-85
Bogue Chitto at Franklinton, LA	(d)	02491500	990	1928-31
	(d)		990	1938-57
Pearl River at Pearl River, LA	(d)	02492600	8,590	1963-70
Paw Paw Bayou near Greenwood, LA	(d)	07344450	80.5	1955-87
Black Bayou near Hosston, LA	(d)	07346500	231	1943-44
Kelly Bayou near Hosston, LA	(d)	07347000	116	1944-69
Black Bayou near Gilliam, LA	(d)	07347500	364	1942-59
	(s)		364	1959-69
Black Bayou near Oil City, LA	(s)	07347700	370	1945-59
Flat Lick Bayou near Leton, LA	(d)	07348800	66.9	1956-77
Bodcau Bayou near Sarepta, LA	(d)	07349500	546	1938-92
Bayou Dorcheat near Gilark, LA	(s)	07348960	1,031	1953-79
Flat River near Curtis, LA	(d)	07349374	--	1980-88
Bodcau Bayou near Sarepta	(d)	07349500	546	1938-92
Cypress Bayou above Benton, LA	(d)	07349795	88.9	1974-86
Cypress Bayou near Benton, LA	(d)	07349800	133	1955-68
	(d)		133	1969-74
Red Chute Bayou above U.S. Highway 80, near Shreveport, LA	(s)	07349848	--	1949-50
Red Chute Bayou near Elm Grove, LA	(d)	07349890	1,004	1977-79
Loggy Bayou near Ninock, LA	(s)	07350000	2,628	1961-85
Loggy Bayou near East Point, LA	(s)	07350020	2,648	1955-64
	(d)		2,648	1980-85
Red River near Crichton, LA	(s)	07350100	--	1945-46
Red River at Coushatta, LA	(d)	07350500	63,362	1938-52
Boggy Bayou near Keithville, LA	(d)	07351000	79	1938-82
Bayou Pierre below Caspiana, LA	(d)	07351571	--	1979-82
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West Branch Dolet Bayou at Rambin, LA	(d)	07351748	32.3	1979-86
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Bayou Dupont near Robeline, LA	(d)	07351900	35.1	1957-69
Black Lake Bayou near Castor, LA	(d)	07352500	423	1940-57
Saline Bayou near Clarence, LA	(s)	07353000	1,386	1974-82
Nantachie Creek near Aloha, LA	(s)	07353522	--	1942-46
Youngs Bayou at Natchitoches, LA	(d)	07353800	40.1	1957-64
Kisatchie Bayou at Lotus, LA	(d)	07354100	140	1979-92
Horsepen Creek near Provencal, LA	(d)	07354500	5.27	1949-68
Kisatchie Bayou at Cypress, LA	(s)	07354700	360	1944-49
Iatt Lake near Colfax, LA	(s)	07355300	238	1958-59
Hemphill Creek near Hot Wells, LA	(d)	07355000	18.0	1948-64
Dyer Creek near Hot Wells, LA	(d)	07355005	5.22	1955-64

	Type of data	Station number	Drainage area (mi ²)	Period of record
Larto Lake at Dam, near Acme, LA	(s)	07355650	291	1968-76
	(e)		291	1076-90
Ouachita River at Alabama Landing, near Haile, LA	(s)	07364103	1,107	1958-80
Chemin-a-haut Bayou near Beekman, LA	(d)	07364300	271	1955-79
Chemin-a-haut Bayou east of Beekman, LA	(s)	07364320	--	1968-79
Bayou Bartholomew near Beekman, LA	(d)	07364500	1,645	1928-31
	(d)		1,645	1938-59
	(s)		1,645	1959-80
Bayou De Loutre near Laran, LA	(d)	07364700	141	1955-77
Bayou D'Arbonne near Hico, LA	(d)	07364890	254	1980-87
Bayou D'Arbonne near Dubach, LA	(d)	07365000	355	1940-69
Middle Fork Bayou D'Arbonne near Bernice, LA	(d)	07365500	178	1940-57
	(d)		178	1967-70
Corney Bayou near Lillie, LA	(d)	07366000	462	1940-57
Bayou Desiard at Monroe, LA	(s)	07366500	--	1939-59
Cheniere Lake near Bawcomville, LA	(d)	07367500	147	1943-45
Ouachita River at Columbia, LA	(s)	07367640	15,700	1975-81
Boeuf River near Chickasaw, LA	(s)	07367704	787	1959-69
Big Colewa Bayou near Oak Grove, LA	(d)	07368500	42	1949-77
Big Colewa Bayou near Pioneer, LA	(e)	07368505	--	1954-77
Turkey Creek at State Highway 15, at Winnsboro, LA	(s)	**07369205	28.8	1975-80
Lake Providence north of Lake Providence, LA	(e)	07369370	18.7	1967-77
	(d)		18.7	1984-86
Brushy Bayou at Tallulah, LA	(e)	**07369455	--	1974-80
Lower Roundaway Bayou Tributary near Tallulah, LA	(e)	**07369457	--	1974-81
Panola Bayou at Tallulah, LA	(e)	**07369468	--	1977-82
Lake St. Joseph near Newellton, LA	(e)	07369647	23.2	1959-61
	(e)		23.2	1977-87
Lake Bruin at Lake Bruin State Park, near St. Joseph, LA	(e)	07369648	21.4	1959-64
	(e)		21.4	1977-87
Bayou Macon near Kilbourne, LA	(d)	07369700	504	1957-87
Bayou Macon near Delhi, LA	(d)	07370000	782	1935-92
Castor Creek near Grayson, LA	(d)	07370500	271	1940-70
Garrett Creek at Jonesboro, LA	(d)	07371000	2.14	1952-70
Fouse Bayou at State Highway 155, near Danville, LA	(d)	07371540	1.5	1977-81
Dugdemonia River near Winnfield, LA	(d)	07372000	654	1939-77
	(s)		654	1977-81
Bayou Funny Louis near Trout, LA	(d)	07372500	92	1939-70
Lake St. John near Waterproof, LA	(e)	07373278	14.81	1967-87
Lake Concordia near Ferriday, LA	(e)	07373280	8.91	1967-80
Lake Concordia at Ferriday, LA	(e)	073732805	8.91	1980-87
West Fork Thompson Creek near Wakefield, LA	(d)	07373500	35.3	1949-70
South Canal near Baker, LA	(d)	*07373965	--	1972-82
Monte Sano Bayou Tributary at Baton Rouge, LA	(s)	07373993	--	1985-86
Mississippi River at Baton Rouge, LA	(s)	07374000	1,125,810	1940-58
Mississippi River near New Orleans, LA	(s)	07374500	1,125,900	1934-58
Canal W-14 at Roberts Road, at Slidell, LA	(s)	07374570	--	1985-88
Canal W-14 at Daney Street, at Slidell, LA	(s)	07374572	--	1985-87
Canal W-14 at Kingspoint Boulevard, at Slidell, LA	(s)	07374573	--	1985-87
Tickfaw River at Liverpool, LA	(d)	*07375800	89.7	1956-68
	(d)		89.7	1979-81
Little Sandy Creek near Greenwell Springs, LA	(d)	07377240	28.2	1974-85
White Bayou East Diversion Channel near Baton Rouge, LA	(d)	**07377755	--	1972-84
White Bayou East Diversion Channel near Baker, LA	(d)	**07377842	--	1972-84
Amite River at 4-H Camp, near Denham Springs, LA	(s)	07378510	1,290	1945-77

	Type of data	Station number	Drainage area (mi ²)	Period of record
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
Paillet Canal at Barataria, LA	(s)	073802364	--	1985-88
Bayou Lafourche at Donaldsonville, LA	(d)	07380400	--	1957-85
Bayou Lafourche at Napoleonville, LA	(s)	07380500	--	1954-57
Bayou Lafourche at Valentine, LA	(e)	07381200	--	1966-86
Bayou Lafourche at Golden Meadow, LA	(s)	07381300	--	1959-79
Houma Navigation Canal at Houma, LA	(s)	07381325	--	1962-67
Houma Navigation Canal at Dulac, LA	(s)	07381328	--	1976-77
Atchafalaya River at Krotz Springs, LA	(d)	07381500	--	1934-63
	(s)		--	1964-68
Elliot Jones Canal near Greenwood, LA	(e)	07381655	--	1974-77
Spring Creek near Melder, LA	(s)	07381768	--	1972-76
Spring Creek near Glenmora, LA	(d)	07381800	68.3	1956-87
Cocodrie Lake near Clearwater, LA	(s)	07381950	240	1959-80
Bayou Cocodrie near Lone Pine, LA	(s)	07382025	--	1945-84
Long Branch at Castor Plunge, near Alexandria, LA	(s)	07382238	10.7	1968-76
Chatlin Lake Canal near Lecompte, LA	(d)	07383000	75.9	1942-53
	(s)		75.9	1953-58
West Protection Levee Barrow Pit Channel near Plaucheville, LA	(d)	07384000	321	1944-57
Bayou Courtableau at Weir, near Krotz Springs, LA	(d)	07385000	--	1953-58
Bayou Teche at Franklin, LA	(d)	07385800	--	1984-92
Bayou Carencro near Sunset, LA	(d)	07386000	37.1	1942-61
Bayou Fusilier at State Highway 93, near Arnaudville, LA	(s)	07386202	--	1960-74
Bayou Bourbeau at Shuteston, LA	(d)	07386500	19.0	1942-70
Vermilion River near Carencro, LA	(s)	07386600	--	1948-67
Bayou des Cannes at State Highway 755, near Eunice, LA	(s)	08010010	140	1941-83
Long Point Gully near Crowley, LA	(d)	08010300	25.7	1949-59
	(s)		25.7	1959-67
Bayou Wikoff near Rayne, LA	(s)	08010500	51.3	1967-71
Bayou Plaquemine Brule near Crowley, LA	(d)	08011000	254	1942-47
	(s)		254	1975-79
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

	Type of data	Station number	Drainage area (mi ²)	Period of record
Bayou Queue de Tortue at Riceville, LA	(s)	08012300	--	1942-51
Bayou Lacassine at Intercoastal Waterway, LA	(s)	08012500	--	1954-58
Sixmile Creek near Sugartown, LA	(d)	08014000	171	1956-65
Tenmile Creek near Elizabeth, LA	(d)	08014200	94.2	1949-65
Bundick Creek near De Ridder, LA	(d)	08014800	120	1956-79
Bundick Creek near Dry Creek, LA	(d)	08015000	238	939-70
English Bayou near Lake Charles, LA	(s)	08016000	--	1954-69
Beckwith Creek near Dequincy, LA	(d)	08016400	148	1945-84
Hickory Branch at Kernan, LA	(d)	08016600	82.2	1945-57
Bayou Choupique near Sulphur, LA	(s)	08017007	--	1984-85
Bayou Castor near Funston, LA	(d)	08022765	91.5	1971-87
Bayou Castor near Logansport, LA	(d)	08023000	96.5	1955-71
	(s)		96.5	1971-85
Bayou San Patricio near Noble, LA	(d)	08023500	154	1951-67
Bayou San Miguel near Zwolle, LA	(d)	08024000	111	1948-67
Blackwell Creek at Many, LA	(d)	08024060	3.16	1959-68
Bayou La Nana near Zwolle, LA	(d)	08024200	130	1955-67
Bayou Anacoco near Leesville, LA	(d)	08027500	115	1948-64
Anacoco Lake near Leesville, LA	(s)	08027700	207	1958-68
Bayou Anacoco near Knight, LA	(d)	08028200	425	1969-73
Hoosier Creek near Merryville, LA	(d)	08028700	13.1	1955-81

DISCONTINUED SURFACE-QUALITY-WATER STATIONS

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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

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
Mississippi River at Venice, LA	07374550	(A)	Cl	1975
Tchefuncta River near Covington, LA	07375050	145	S.C., Temp.	1978-82
Tangipahoa River at Robert, LA	07375500	646	S.C., Temp.	1980-82
Tangipahoa River at Lee Landing, LA	07375660	(A)	Temp.	1964
Comite River near Comite, LA	07378000	284	Temp.	1945
Amite River near Denham Springs, LA	07378500	1,280	S.C., Temp.	1968
Amite River, at 4H Camp, near Denham Springs, LA	07378510	1,290	S.C., Temp.	1973-81
Pass Manchac at Manchac, LA	07380230	3,204	Cl	1975-84
		3,204	Temp.	1977-84
Bayou 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

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Bayou Lafourche at Leeville, LA	07381310	(F)	Cl	1975-77
		(F)	Temp.	1977
Bayou Terrebonne at Houma, LA	07381320	(F)	Cl	1975-80
Houma Navigation Canal at Houma, LA	07381325	(F)	S.C.	1978-81
		(F)	Temp.	1978, 1981
Houma Navigation Canal at Dulac, LA	07381328	(A)	S.C., Temp., D.O.	1974-75
Company Canal at Lockport, LA	07381350	(F)	S.C.	1979-85
		(F)	Temp.	1981-85
Lower Grand River at Bayou Sorrel, LA	07381450	(F)	S.C., Temp.	1980-82
Atchafalaya River at Melville, LA	07381495	93,316	S.C., Temp.	1979-81
Atchafalaya River at Krotz Springs, LA	07381500	(F)	Temp.	1953-55
		(F)	S.C.	1967, 1969-71
Bayou Cocodrie near Clearwater, LA	07382000	240	Temp.	1953-54
Bayou Teche at Keystone Lock, near St. Martinville, LA	07385700	(F)	S.C., Temp.	1975-81
Bayou Teche near Olivier, LA	07385750	(F)	Temp., D.O.	1974-80
		(F)	S.C.	1976-80
		(F)	pH	1977-80
Bayou Bourbeau at Shuteston, LA	07386500	(A)	Cl, Temp., S.C.	1968
Vermilion River, at State Highway 3073, near Lafayette, LA	07386935	(F)	S.C., Temp., D.O.	1971-81
		(F)	pH	1976-81
Vermilion River at Perry, LA	07386980	(F)	S.C.	1966-78
Vermilion River at Bancker Ferry, near Abbeville, LA,	07387000	(F)	Temp.	1949-62
		(F)	S.C., Cl	1951-62
Mermentau River at Mermentau, LA	08012150	1,381	S.C., Temp.	1980-82
Mermentau River at Lake Arthur, LA	08012400	(F)	S.C.	1951-58, 1960-69
		(F)	Cl	1951-58, 1960-65, 1967-69
		(F)	Temp.	1959-69
Calcasieu River near Oberlin, LA	08013500	753	S.C., Temp.	1976-77, 1979
		753	pH, D.O.	1976-77
Calcasieu River near Kinder, LA	08015500	1,700	S.C., Temp.	1979-82
Calcasieu River near Lake Charles, LA	08015900	2,310	S.C., Temp.	1975-78
Bayou Castor near Logansport, LA	08023000	96.5	Sed.	1983-84
Bayou San Patricio near Benson, LA	08023400	80.2	Sed.	1981-85
Bayou Anacoco near Rosepine, LA	*08028000	365	S.C., CO	1971-72
Bayou Anacoco near Knight, LA	08028200	425	S.C., Temp., CO	1970-71
Bayou Grand Caillou at Dulac, LA	292258090425500	(F)	Cl	1975-84
		(F)	Temp.	1978-84
Freshwater Canal near Forked Island, LA	293316092182000	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Vermilion Bay, at Cypremort Point, near Louisia, LA	294110091533000	(F)	Cl	1975-76, 1978-79, 1981-82
		(F)	Temp.	1978-79, 1981-82
Schooner Bayou near Forked Island, West	294528092154800	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Schooner Bayou near Forked Island, East	294528092154801	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway, at Vermilion Lock East, near Intracoastal City, LA	294700092114000	(F)	Cl	1975-82
		(F)	Temp.	1977-82

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Intracoastal Waterway, at Vermilion Lock West, near Intracoastal City, LA	294705092115300	(F)	Cl	1975-82
Mermentau River, south of Control Structure, near Grand Chenier, LA	295146092510100	(F)	Temp.	1977-82
Mermentau River, north of Control Structure, near Grand Chenier, LA,	295148092510100	(F)	Cl	1975-82
Intracoastal Waterway at Gibbstown, LA	295600093053000	(F)	Temp.	1977-82
Chef Menteur Pass at Chef Menteur, LA	300404089482500	(F)	Cl	1975-82
Lake Pontchartrain, at New Orleans, LA, at Little Woods, LA,	300434089564000	(F)	Temp.	1977-81
Intracoastal Waterway at Calcasieu Lock	300514093172800	(F)	Cl	1975-78
Rigolets near Lake Pontchartrain, near Slidell, LA	301002089441300	(F)	Temp.	1977-78
Lake Pontchartrain, near North Shore, near Slidell, LA,	301108089503600	(F)	Cl	1975-82
Calcasieu River and Pass near Lake Charles, LA	301305093151200	(F)	Temp.	1977-82
Calcasieu River, at mile 36.0, at Lake Charles, LA	301425093145000	(F)	Cl	1975-81
Calcasieu River, east of barrier, at Lake Charles, LA,	301513093130500	(F)	Temp.	1977-81
Calcasieu River, west of barrier, at Lake Charles, LA,	301513093130600	(F)	Temp., Cl	1982
		(F)	Cl	1975, 1977-82
		(F)	Temp.	1977-82
		(F)	Cl	1975, 1977-82
		(F)	Temp.	1977-82

WATER RESOURCES DATA - LOUISIANA, 1993

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 57 streamflow-gaging stations, stage only for 36 gaging stations, for 92 partial-record or miscellaneous streamflow stations, and for 21 crest-stage, partial-record streamflow stations; (2) stage records for 6 lakes; (3) water-quality records for 30 streamflow-gaging stations, for 22 ungaged stream sites, and for 107 wells; and (4) water-level records for 226 observation wells.

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

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

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-93-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on back of title page or by telephone (504) 389-0281. A limited number of CD-ROM discs will be available for sale by the U.S. Geological Survey, Earth Science Information Center, Box 25286, MS 517, Federal Center, Denver, Colorado 80225.

COOPERATION

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

Louisiana Department of Transportation and Development, Jude W.P. Patin, Secretary.

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

Louisiana Department of Natural Resources, John F. Ales, Secretary.

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

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

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

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

Organizations that supplied data are acknowledged in the station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface-Water Conditions

In October, the statewide average rainfall total was 2.44 in., 0.53 in. below the 30-year average. The October monthly mean discharge of 77.2 ft³/s at Calcasieu River near Oberlin was nearly one-fourth the long-term October mean of 337 ft³/s (fig. 1).

The statewide average rainfall total for November was 7.87 in., 3.74 in. above the 30-year average. The statewide total ranged from 5.15 in. in the northwestern part of the State, to 13.92 in. in the southeastern part. The monthly mean discharge for Pearl River near Bogalusa was 8,360 ft³/s, twice the long-term November mean of 4,178 ft³/s (fig. 1). Amite River near Denham Springs had a November monthly mean discharge of 2,192 ft³/s and also was nearly twice the long-term mean of 1,161 ft³/s (fig. 1).

The December rainfall for the State was below the average rainfall for the second time this year since the month of October. The statewide average rainfall total for December was 5.08 in., 0.19 in. below the 30-year average. For Calcasieu River near Oberlin the monthly mean discharge of 946 ft³/s was nearly half the long-term December mean of 1,558 ft³/s, but for Pearl River near Bogalusa the monthly mean discharge of 29,610 ft³/s was nearly twice the long-term December mean of 15,480 ft³/s (fig. 1).

The statewide average rainfall for January was 7.43 in., 2.44 in. above the 30-year average. The east-central Louisiana rainfall total for January was 12.51 in. This was the most rainfall in January in more than a century. As a result of above-normal rainfall, the January monthly mean discharge of 10,030 ft³/s at Amite River near Denham Springs was greater than three times the January long-term mean of 3,158 ft³/s and was nearly two-thirds the long-term maximum January monthly mean of 14,540 ft³/s that occurred in January 1990 (fig. 1).

In February, the statewide average rainfall total was 3.22 in., 1.64 in. below the 30-year average. As a result of below normal rainfall, the February monthly mean discharge of 545 ft³/s at Calcasieu River near Oberlin was nearly one-fourth the long-term February mean of 2,242 ft³/s (fig. 1).

In March and April, the statewide average rainfall was above average. In March, the statewide average rainfall total was 5.92 in., 0.96 in. above the 30-year average, and in April, the total was 7.40 in., 3.08 in. above the 30-year average. The statewide average rainfall total for April ranged from 4.24 in. in the northwestern part of the State to 11.37 in. in the south-central part. The April monthly mean discharge of 7,390 ft³/s at Amite River near Denham Springs was more than twice the long-term April mean of 3,336 ft³/s. The Mississippi River at Tarbert Landing, Mississippi, had a mean daily discharge of 1,118,000 ft³/s on April 6, which was the maximum for the water year.

The statewide average rainfall total for May was 4.59 in., 0.67 in. below the 30-year average. The average rainfall total for the northern part of the State was 3.60 in., 1.79 in. below the 30-year average. The May monthly mean discharge at Saline Bayou near Lucky was 110 ft³/s, which was less than the long-term mean of 265 ft³/s (fig. 1).

During June, the statewide average rainfall total was 7.11 in., 2.47 in. above the 30-year average, but the July statewide average total was 3.79 in., 1.45 in. below the 30-year average. The July monthly mean discharge for Saline Bayou near Lucky was 33.2 ft³/s, which was half the long-term July mean of 66.6 ft³/s (fig. 1).

In August, the statewide average rainfall was below average for the second consecutive month. The statewide average rainfall total for August was 2.99 in., 1.59 in. below the 30-year average. As a result of below normal rainfall, the August monthly mean discharge of 67.4 ft³/s at Calcasieu River near Oberlin was only one-fifth the long-term August mean of 350 ft³/s (fig. 1).

September rainfall statewide continued to be below average for the third consecutive month. The statewide average rainfall total for September was 2.55 in., 1.92 in. below the 30-year average. The September monthly mean discharge of 9.63 ft³/s at Saline Bayou near Lucky, was less than one-fourth the long-term September mean of 41.8 ft³/s, and for Calcasieu River near Oberlin, the monthly mean discharge of 50.0 ft³/s also was less than one-fourth the long-term September mean of 309 ft³/s. For the Mississippi River at Tarbert Landing, Mississippi, the minimum mean daily discharge for the water year was 134,000 ft³/s on September 30.

For the water year, the average statewide rainfall total was 60.42 in., which exceeded the 30-year average of 55.73 in. by 4.69 in. For the four index stations, the 1993 annual mean discharge did not differ from the long-term mean by more than 30 percent.

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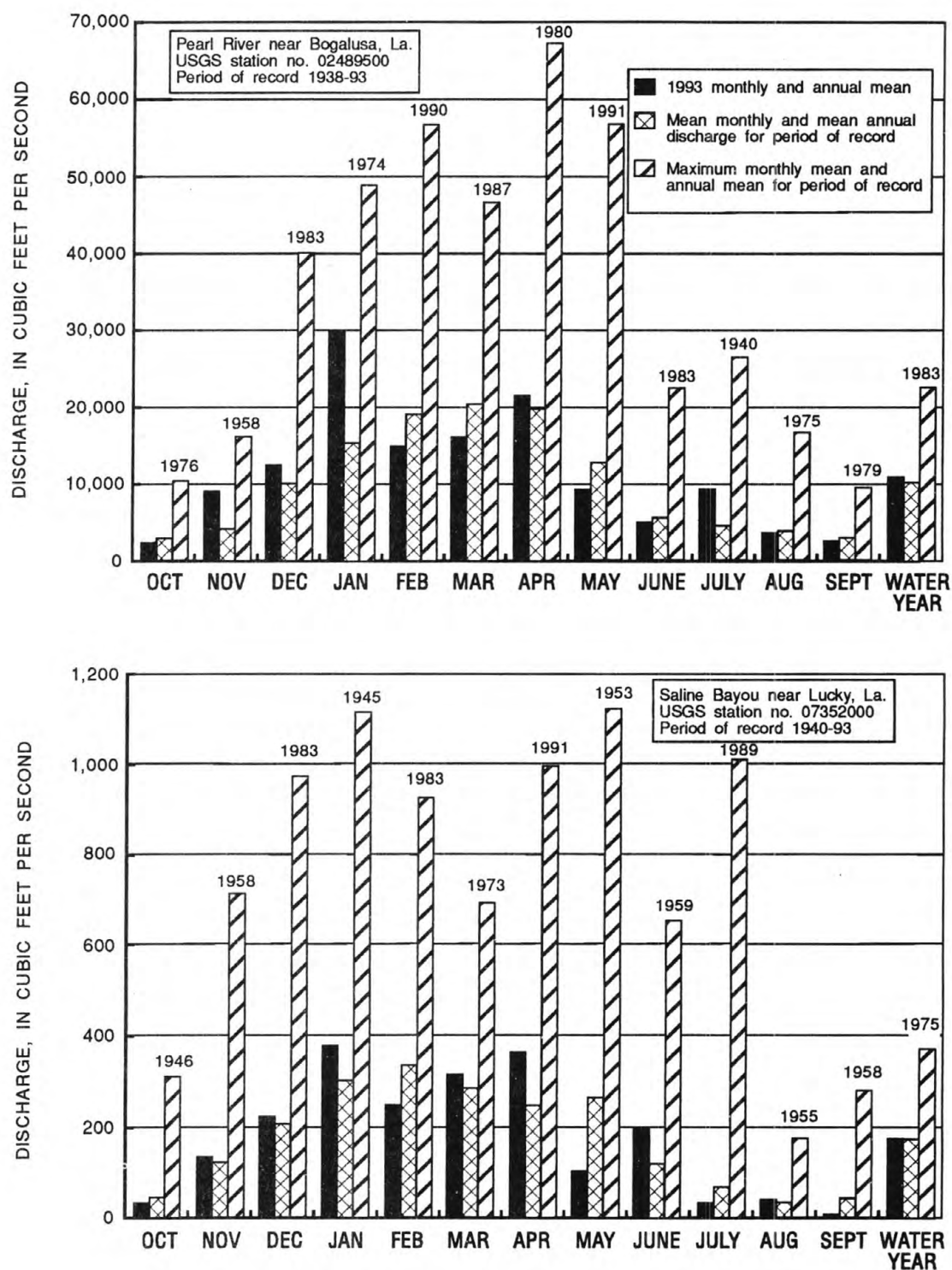


Figure 1. Comparison of discharge during the 1993 water year with mean and maximum discharge for the period of record at four representative gaging stations.

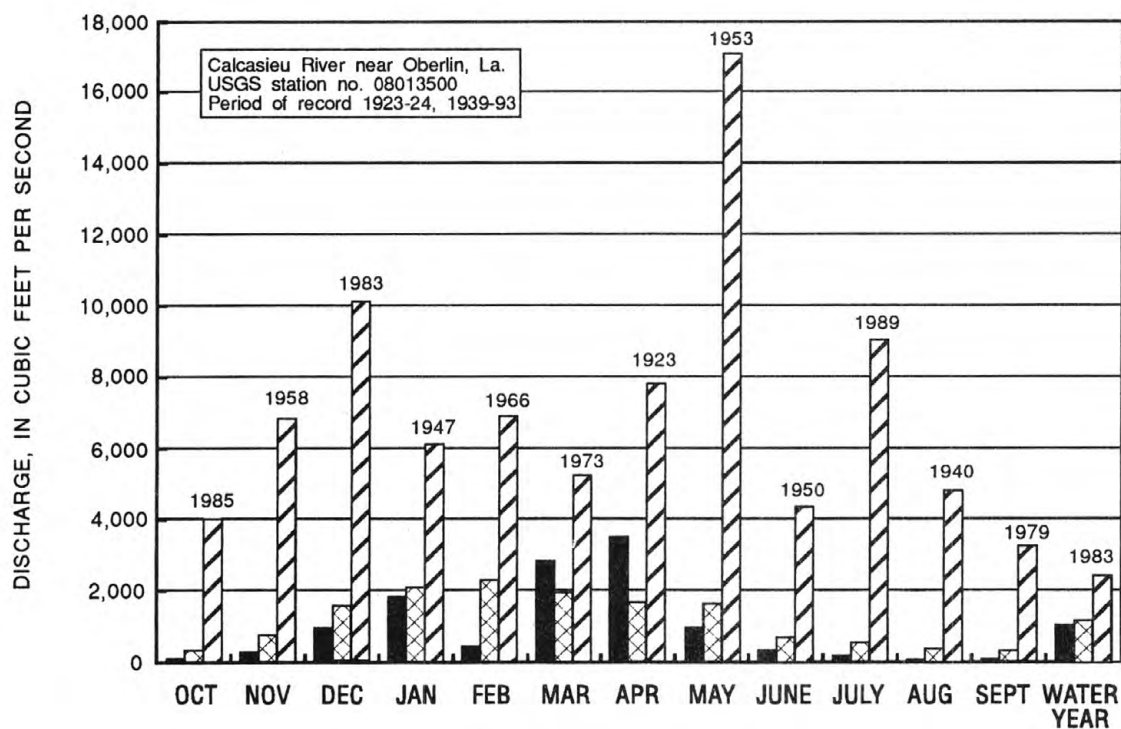
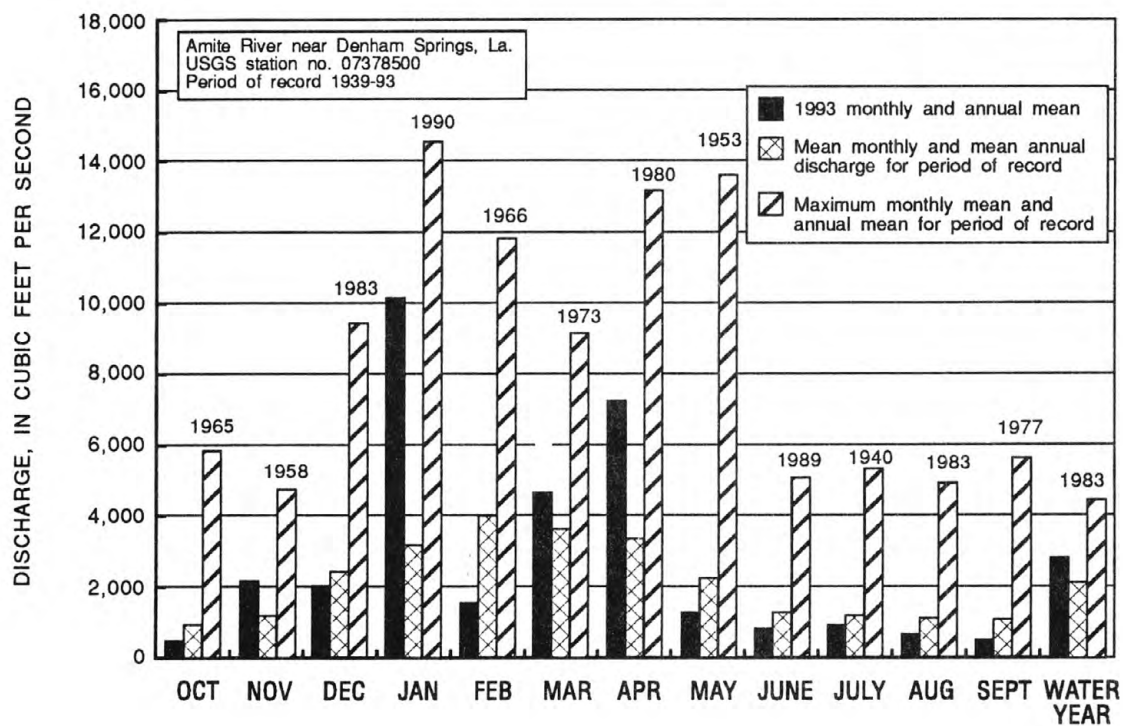


Figure 1. Comparison of discharge during the 1993 water year with mean and maximum discharge for the period of record at four representative gaging stations--Continued.

Surface-Water Quality

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

At most sites along the lower Mississippi River the specific conductance ranged from approximately 320 to 430 $\mu\text{S}/\text{cm}$ (microsiemens per centimeter at 25 °C) during the 1993 water year. However, flow of saltwater from the Gulf of Mexico into the lower Mississippi River affected the specific conductance at Venice; the specific conductance was 795 $\mu\text{S}/\text{cm}$ on November 20, 1992. Water temperature ranged from approximately 6.0 to 30.0 °C. Chloride concentrations ranged from approximately 15 to 25 mg/L (milligrams per liter) along the river except at Venice, where the concentration was as high as 130 mg/L on November 20, 1992.

Locks and dams along the Red River now affect the water quality of the river by creating pools at the locks and dams such as the one at Lock and Dam 1 near Vick. At sites along the Red River, the specific conductance ranged from approximately 350 to 900 $\mu\text{S}/\text{cm}$ during the 1993 water year. Water temperature ranged from 8.0 to 33.0 °C. Chloride concentrations ranged from approximately 40 to 110 mg/L along the Red River. Total iron and manganese concentrations were characteristically high. Total iron concentrations ranged from a minimum of 90 $\mu\text{g}/\text{L}$ (micrograms per liter) for Red River at Boyce on April 12, 1993, and near Vick on October 28, 1992, to a maximum of 4,600 $\mu\text{g}/\text{L}$ at Alexandria on January 13, 1993. Total manganese concentrations ranged from a minimum of 7 $\mu\text{g}/\text{L}$ at Boyce on April 12, 1993, to a maximum of 230 $\mu\text{g}/\text{L}$ at Grand Ecore on October 28, 1992.

Water-quality stations on the Atchafalaya River include the Lower Atchafalaya River at Morgan City and the Atchafalaya River at Melville. The minimum and maximum specific conductance values for the Atchafalaya River at Morgan City were 305 $\mu\text{S}/\text{cm}$ on February 8, 1993, and 456 $\mu\text{S}/\text{cm}$ on September 28, 1993. The minimum measured water temperature was 9.0 °C at Melville, on February 18, 1993, and the maximum measured water temperature was 30.5 °C at Morgan City on July 20, 1993. At Morgan City, the minimum sediment load was 27,300 T/day (tons per day) on October 28, 1993, and the maximum sediment load was 312,000 T/day on May 18, 1993. At Melville, the minimum sediment load was 75,400 T/day on September 2, 1993, and the maximum sediment load was 243,000 T/day on February 23, 1993.

Water-quality stations in the Florida Parishes include Tangipahoa River at Robert, Tchefuncta River near Covington, Amite River near Port Vincent, and Pearl River near Bogalusa. These stations had characteristically low specific conductance values (less than 100 $\mu\text{S}/\text{cm}$) most of the water year. Values of pH ranged from 6.23 at Tchefuncta River near Covington, on February 11, 1993, to 6.85 at Tangipahoa River at Robert on October 6, 1992. Fecal coliform concentrations exceeded 200 cols/100 mL (colonies per 100 milliliters) in at least 50 percent of the samples collected from the Tchefuncta and Tangipahoa Rivers during the water year. The fecal coliform concentrations in samples from the Amite and Pearl Rivers exceeded 200 cols/100 mL only once during the year.

Ground-Water Levels

Water-level declines continued in some of the major aquifers in the State during the water year, whereas water levels remained unchanged or recovered in other aquifers. Water levels in the Sparta aquifer of northern Louisiana generally declined 0.5 to 2.5 ft. The regional water level decline is illustrated in the hydrograph for well Ja-147 (fig. 2a) in Jackson Parish. However, due to local increase in pumping the water levels declined about 6 ft within Winn Parish to about 11 ft in Morehouse Parish. The water-level decline in Winn Parish reverses a 5-ft recovery during 1992 and the water-level decline in Morehouse Parish reverses a 5-year period of water-level recovery. Normal seasonal fluctuations were observed in water levels in the Cockfield aquifer and no substantial changes occurred. Water levels in the Carrizo-Wilcox aquifer generally continued to recover.

In aquifers of Miocene age in central Louisiana, water levels in the Carnahan Bayou aquifer declined 1.3 to 2.0 ft within Rapides Parish and 0.5 to 1.8 ft within Vernon Parish. This decline is illustrated in the hydrograph for well V-426 (fig. 2a), in Vernon Parish. Water-level changes in the Williamson Creek aquifer ranged from a 0.3 ft recovery in Avoyelles Parish to a 1.5 ft decline in Rapides Parish. Water levels in the Catahoula aquifer declined about 1 ft.

No substantial changes were observed in the terrace aquifer of northern Louisiana. Water levels in the Mississippi River alluvial aquifer of northeastern Louisiana indicated normal seasonal fluctuations, and the summer lows were slightly higher than in 1992.

In southwestern Louisiana, water levels changed little in aquifers of the Chicot aquifer system. In up dip and outcrop areas, water levels indicated seasonal fluctuations and some local changes, but little net change. In the rice-growing area east of Lake Charles, water levels remained constant or changed only slightly as illustrated in the hydrograph for well JD-9 (fig. 2a) in Jefferson Davis Parish. Water levels in the Lake Charles industrial area and in St. Landry, St. Martin, Iberia, and Lafayette Parishes remained constant or fluctuated slightly, except well I-93, which indicated a 4-ft recovery. Water levels in the Evangeline aquifer of southwestern Louisiana recovered approximately 5 ft in Acadia Parish well Ac-335L.

Water levels in aquifers of the Evangeline equivalent aquifer system in southeastern Louisiana generally indicated little or no change in most areas, except in northern Tangipahoa Parish where a slight decline was observed. Water levels in the deep aquifers of the Jasper equivalent aquifer system indicated little change or declined slightly except the "2,000-foot" sand of the Baton Rouge area, which indicated water-level recoveries and declines based on local changes in water use as illustrated in the hydrograph of well EB-1028 (fig. 2a) in East Baton Rouge Parish.

Water levels in aquifers of the Chicot equivalent aquifer system indicated normal seasonal fluctuations but little net change. Water levels in the Gonzales-New Orleans and Grammercy aquifers in the Mississippi River parishes south of Baton Rouge recovered 1 to 9 ft, whereas water levels in the Norco aquifer in St. James and St. John the Baptist Parishes indicated little or no change.

Ground-Water Quality

Chloride concentrations in water from 104 wells completed in the major aquifers in the State ranged from 1.8 mg/L in the "600-foot" sand in the East Baton Rouge Parish area to 7,500 mg/L in the "1,000-foot" sand of the East Baton Rouge Parish area. Chloride concentrations in water from wells in the Mississippi River alluvial aquifer generally indicated no change to slight changes within the normal range of fluctuations. Near the freshwater-saltwater interface within Madison and Morehouse Parishes, the chloride concentration increased, whereas the chloride concentration in the Sparta aquifer indicated no changes to slight decreases of 10 to 20 mg/L.

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 change or declined slightly during the water year. In the Lake Charles area, chloride concentrations remained fairly constant in the "200-foot" and "500-foot" sands, and continued to rise slightly in the "700-foot" sand. In the Baton Rouge area, chloride concentrations have remained constant or continued previous trends in most wells sampled. Chloride concentrations in wells located near the freshwater-saltwater interface in the "1,500-foot" and "2,000-foot" sands of the Baton Rouge area continued to rise (well EB-807A, fig. 2b). Chloride concentrations in aquifers in southeastern Louisiana near New Orleans indicated little change or continued previous trends in most wells sampled.

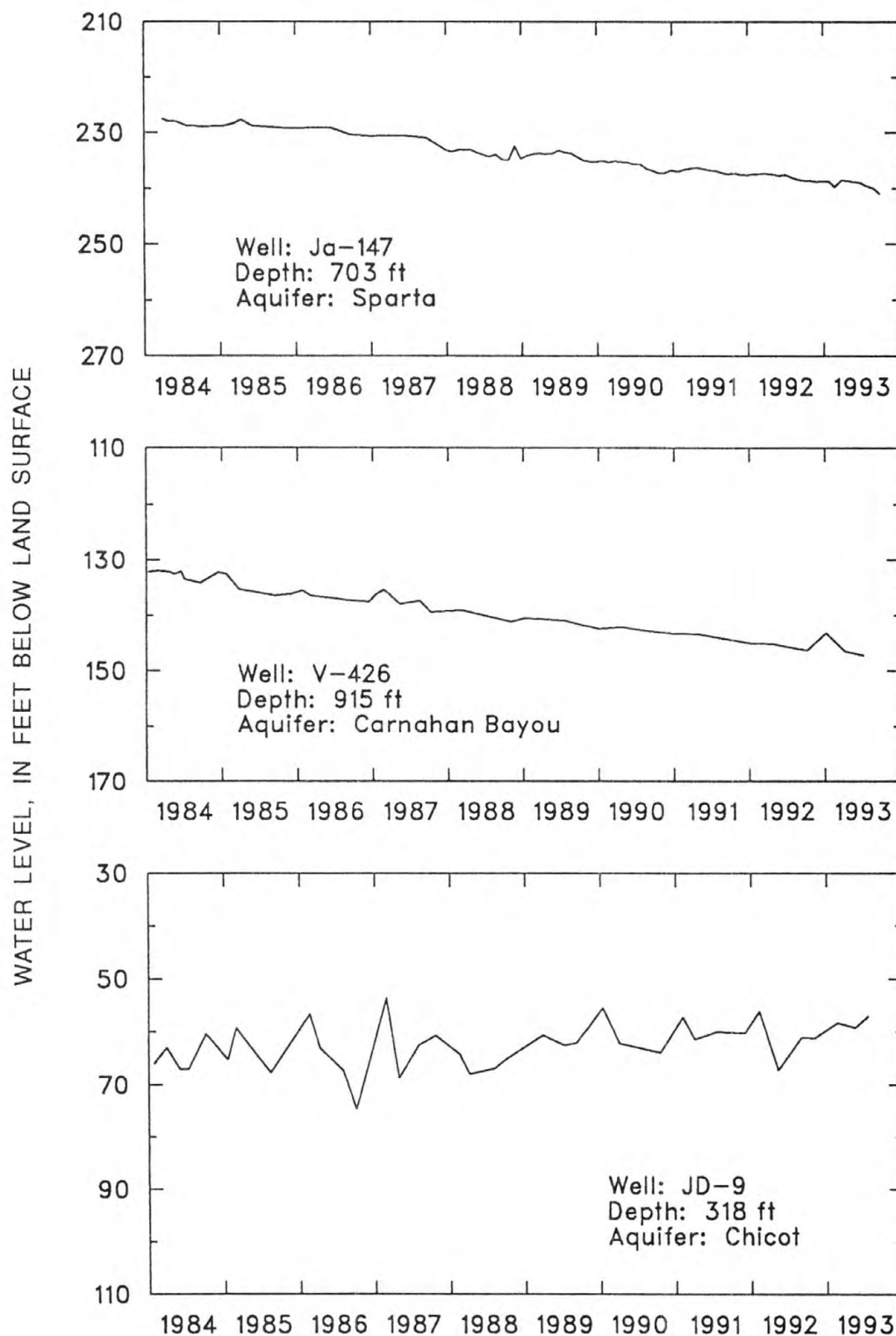


Figure 2a. Water levels for representative observation wells.

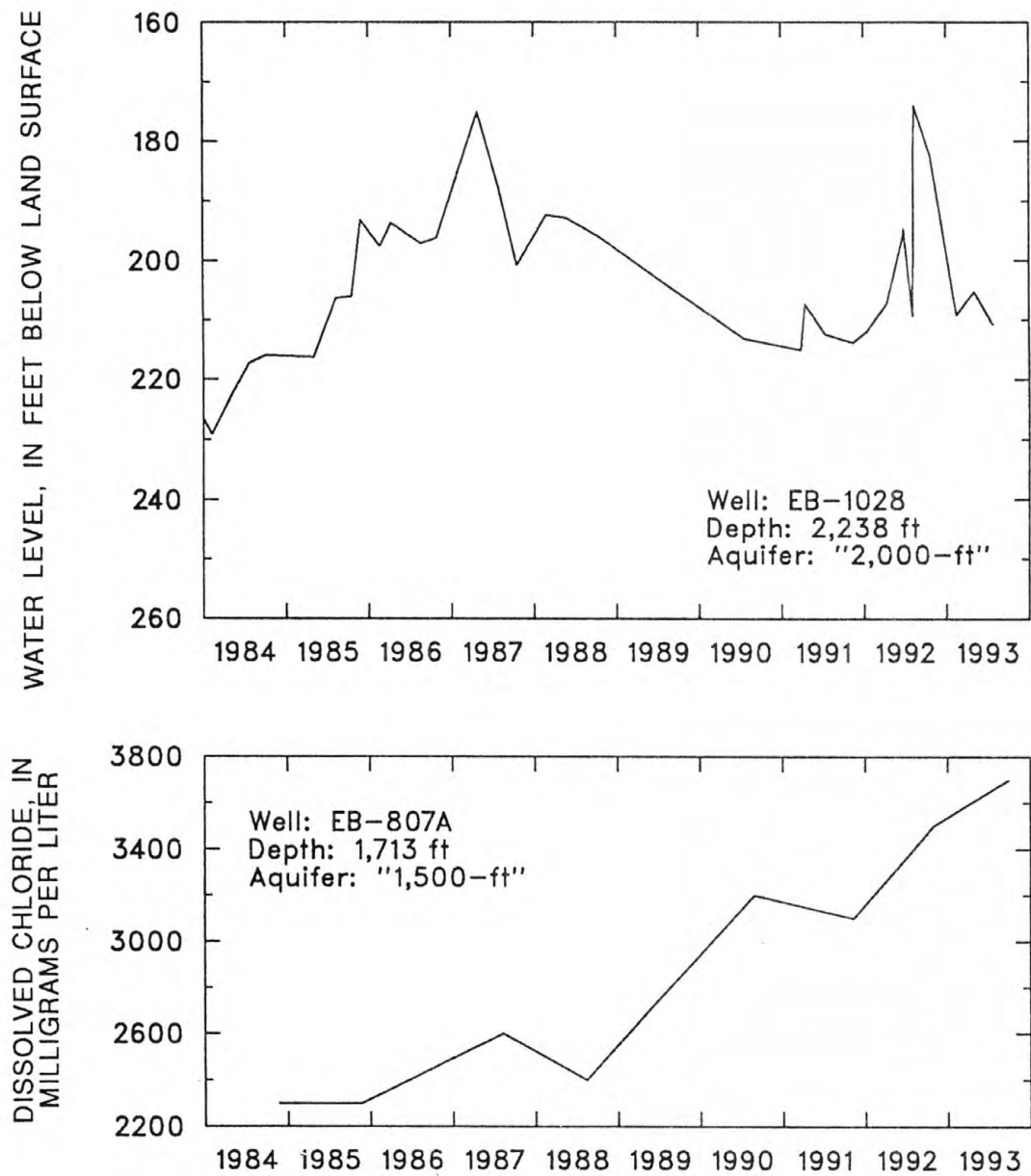


Figure 2b. Water level for representative observation well and chloride concentration for well EB-807A.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped water sheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National stream-quality accounting network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies or other groups involved in national or regional water-quality planning and management. The 500 or so sites in NASQAN are general located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in more than one-third of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

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

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

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1993 water year that began October 1, 1992, and ended September 30, 1993. 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 4-14. 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.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

Records of Stage and Water Discharge

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

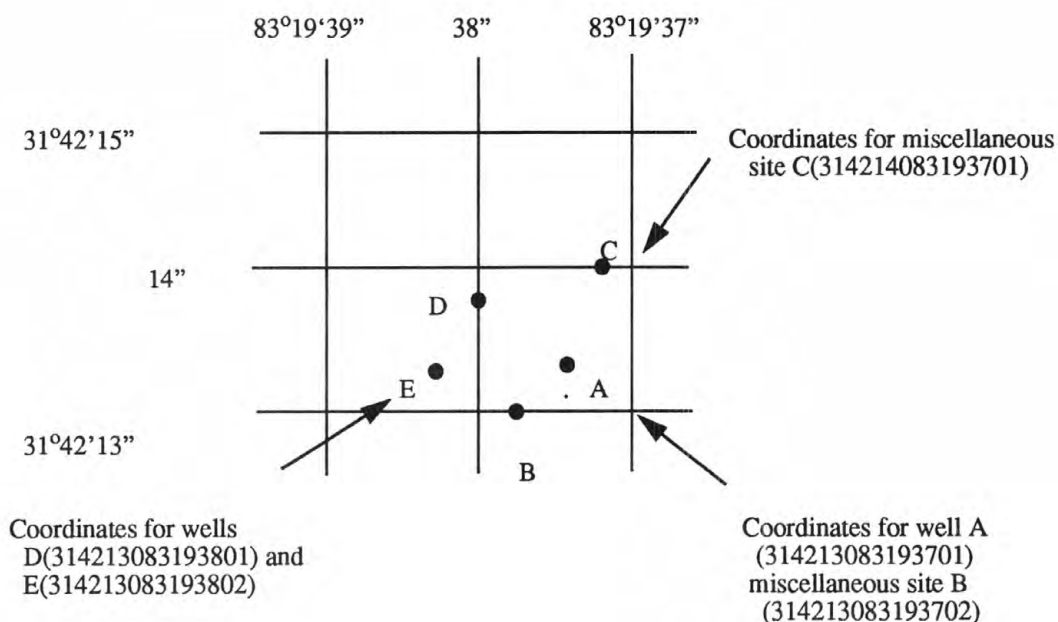


Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude).

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 4-7.

Data Collection and Computation

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

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

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

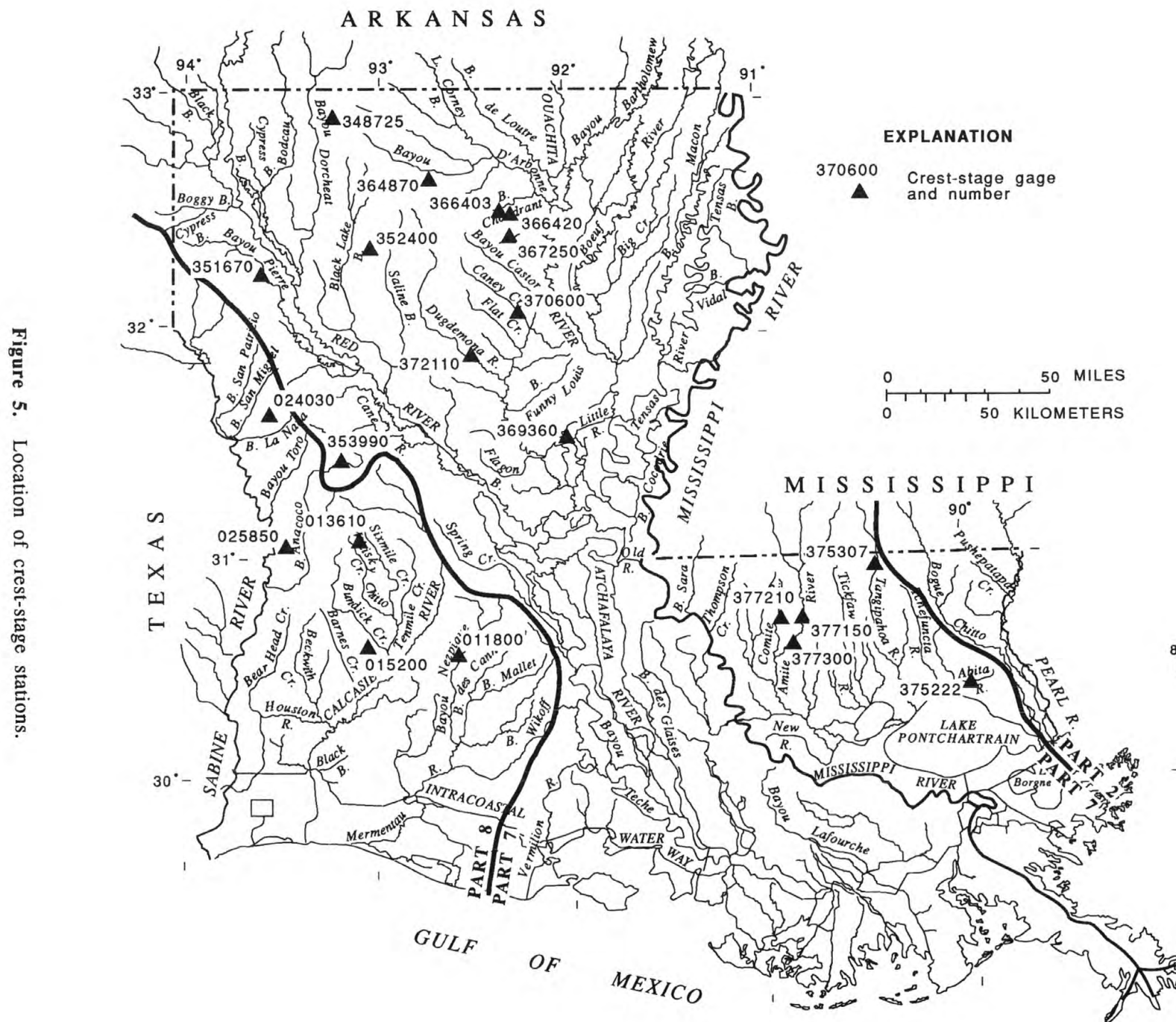
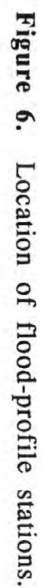


Figure 5. Location of crest-stage stations.



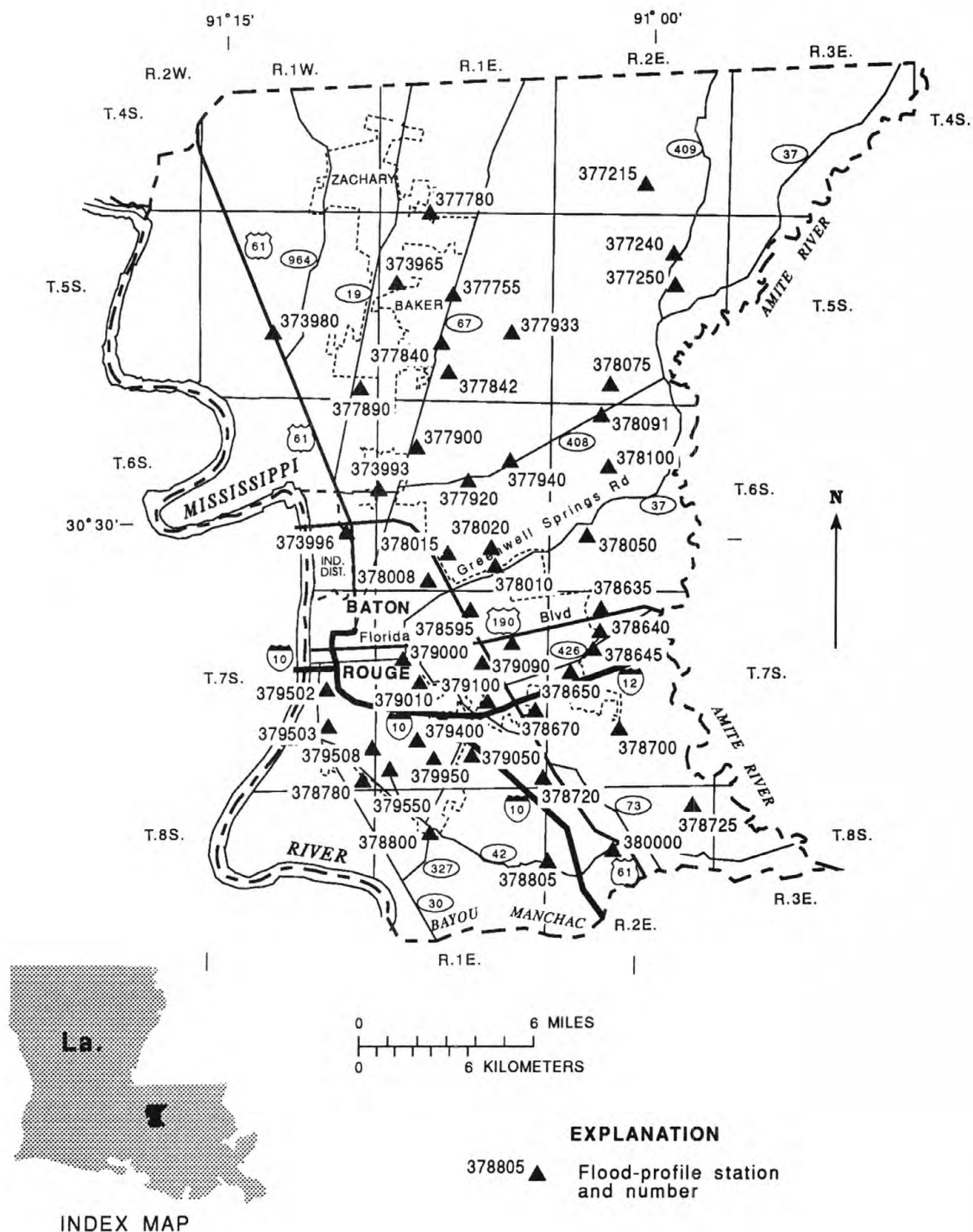


Figure 7. Location of flood-profile stations in East Baton Rouge Parish.

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.

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

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

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

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

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

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

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

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

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

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

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.

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.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

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

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

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

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

changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

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

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

Records of Surface-Water Quality

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

Classification of Records

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

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 8.

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 given in publications on "Techniques of

Water-Resources Investigations," Book 1, Chapter D2; Book 3, Chapter C2; Book 5, Chapters A1, A3, and A4. All of these references are listed in the "Publications on Techniques of Water-Resources Investigations" section of this report. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District Office.

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

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

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

Water Temperature

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

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

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers or point samplers. Samples usually are obtained along several vertical lines in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

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

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

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

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colo. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; Book 5, Chapters A1, A3, and A4.

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.

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

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

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

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

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

Remark Codes

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

PRINTED OUTPUTREMARK

e

Estimated value

>

Actual value is known to be greater than the value shown

<

Actual value is known to be less than the value shown

K

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

Dissolved Trace-Element Concentrations

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

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

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 9-14.

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

Records of Ground-Water Quality

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

Data Collection and Computation

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed on a following page. 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. 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.



Figure 9. Location of observation wells.

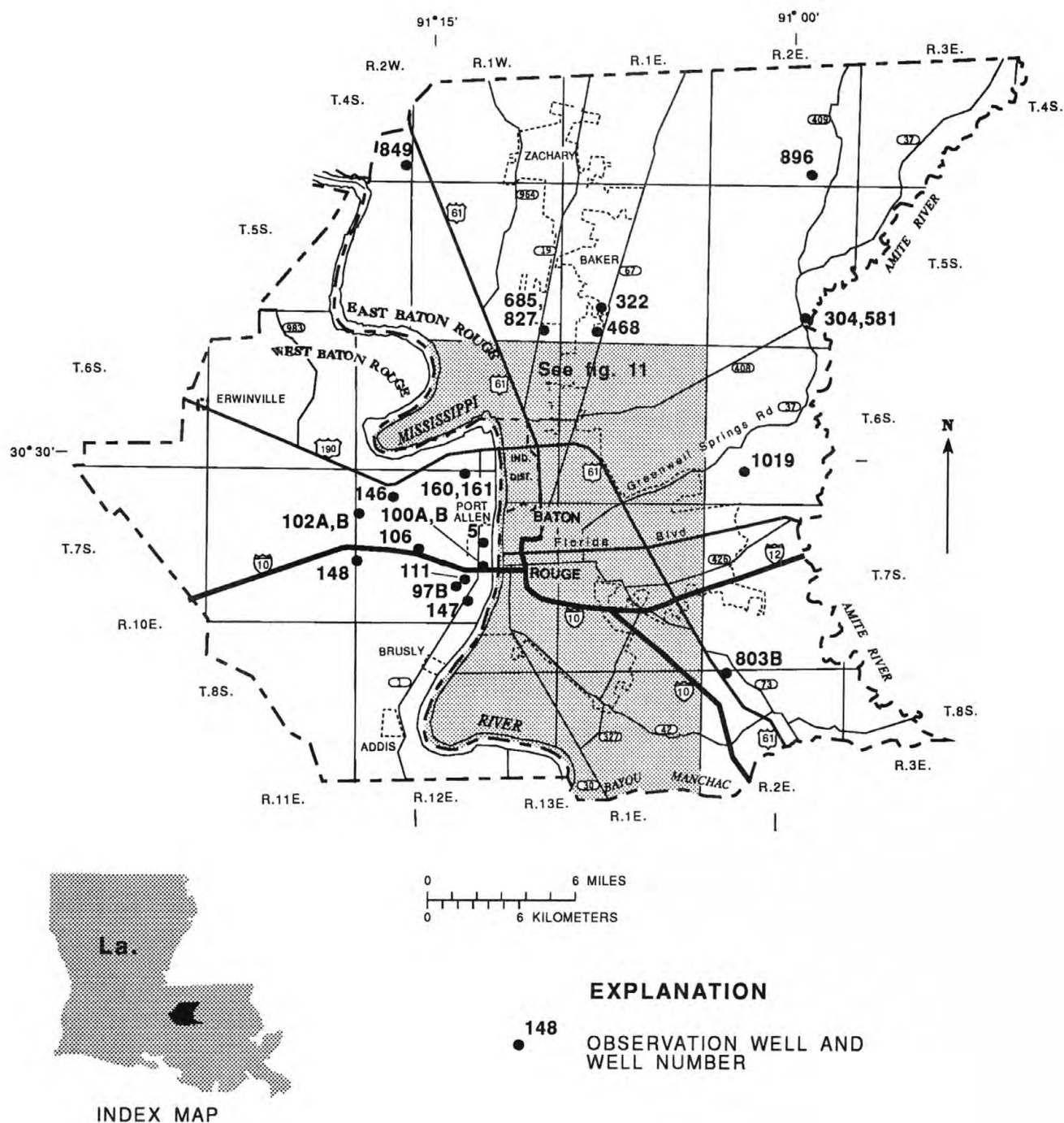


Figure 10. Location of observation wells in East and West Baton Rouge Parishes.

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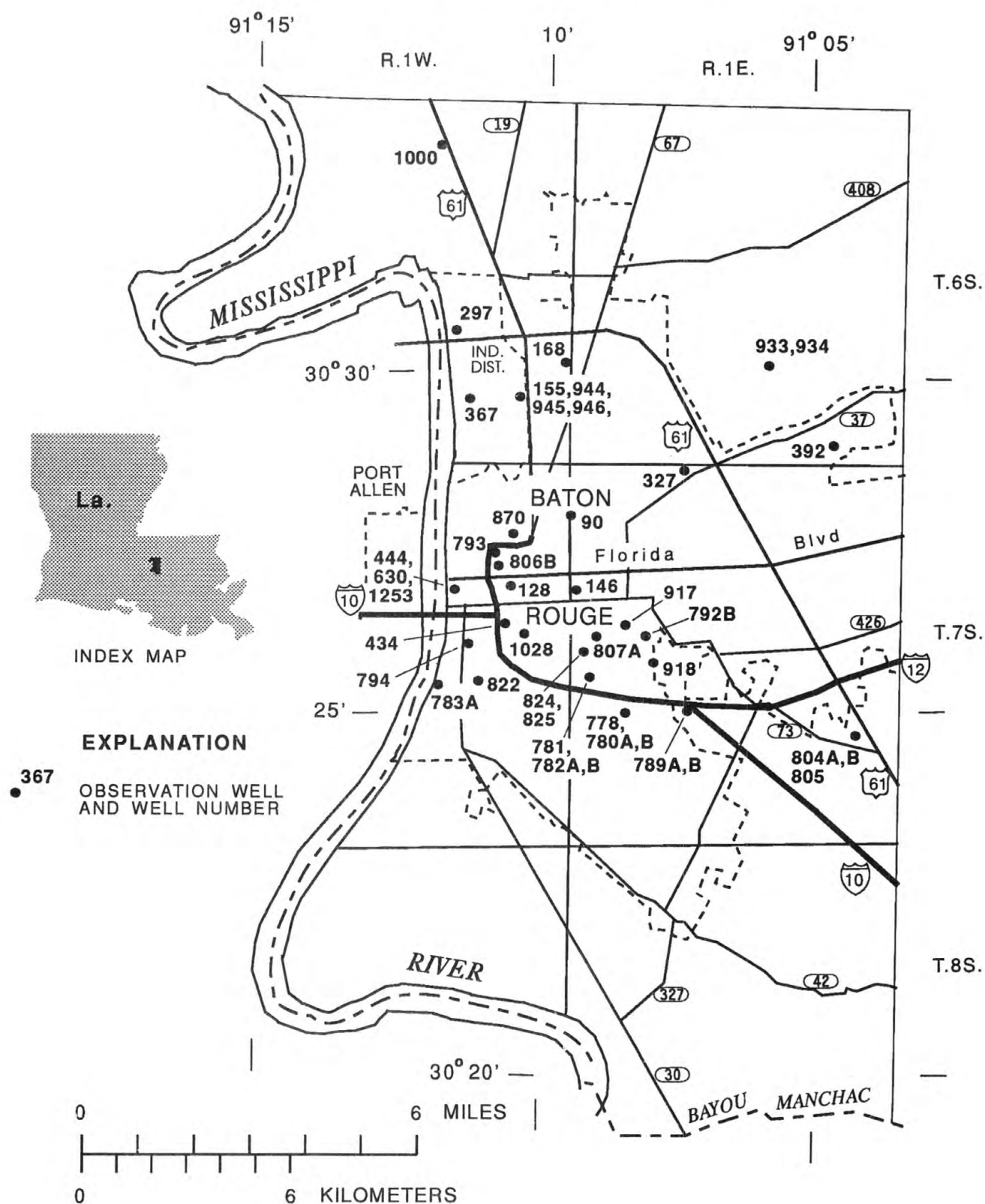
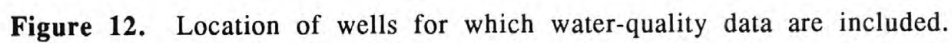


Figure 11. Location of observation wells in shaded area of figure 10.



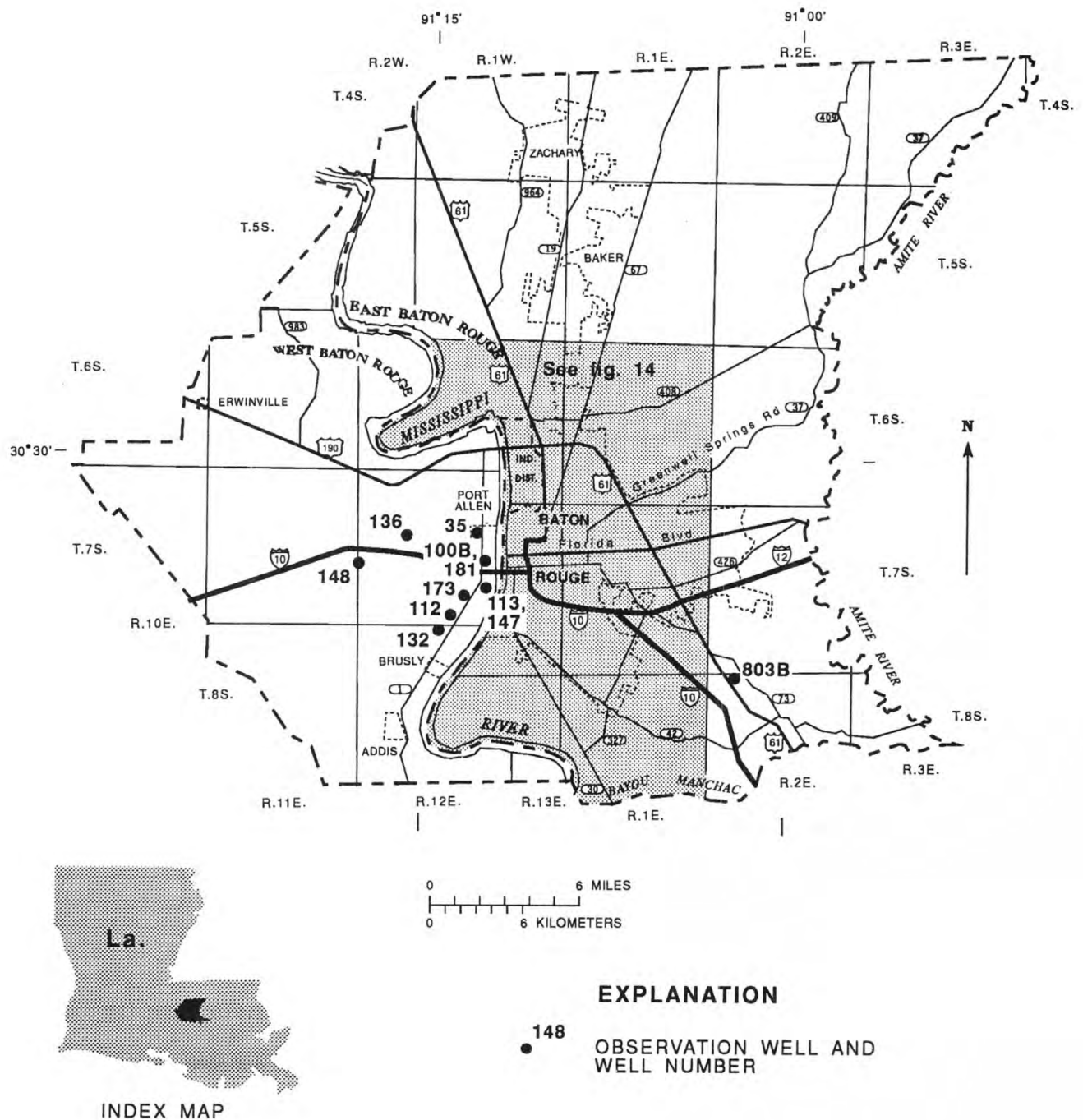


Figure 13. Location of wells for which water-quality data are included in East and West Baton Rouge Parishes.

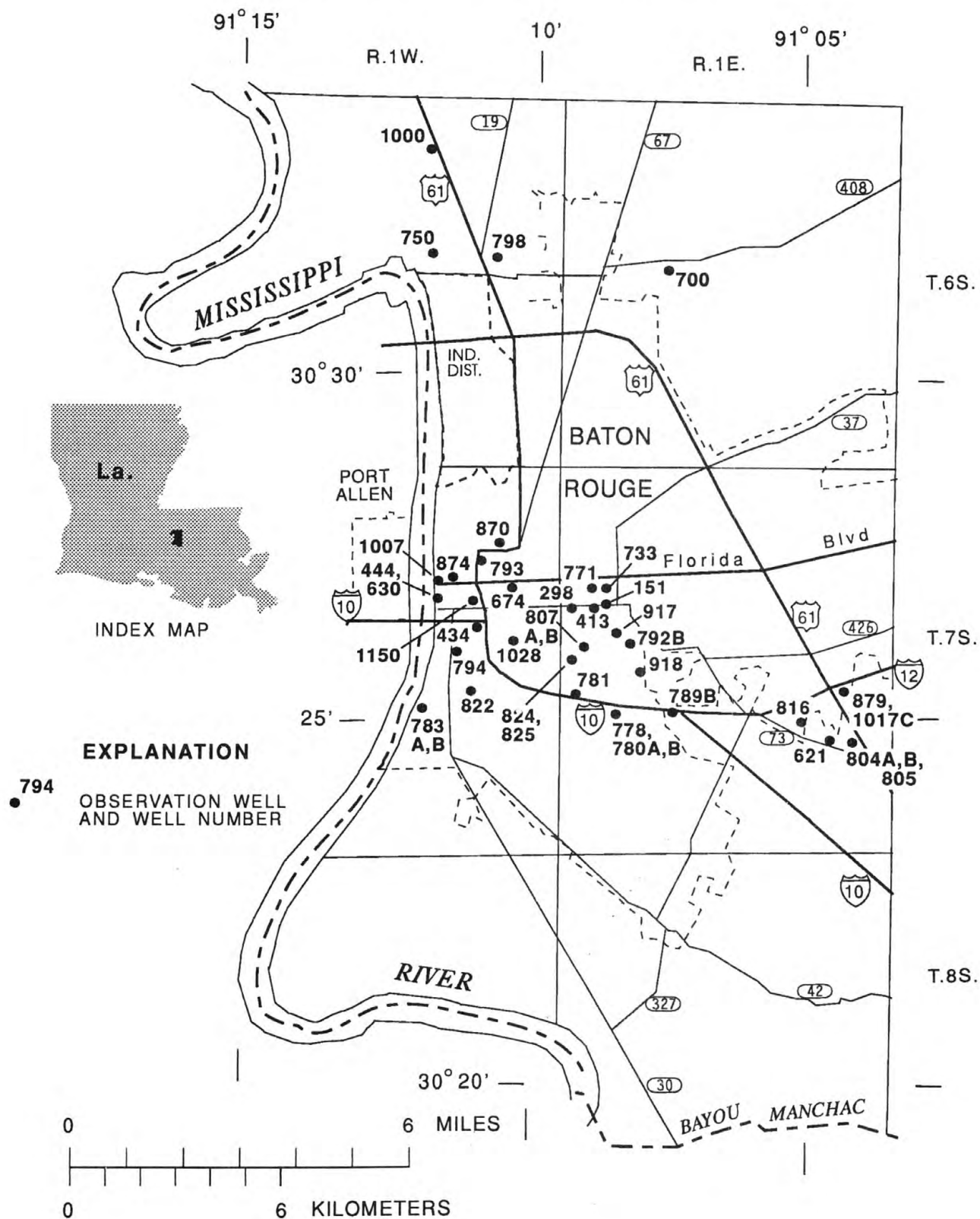


Figure 14. Location of wells for which water-quality data are included in shaded area of figure 13.

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.

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.

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material: see Bed Material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The classification is as follows:

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

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

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

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

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

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8ahexahydro-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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Substrate is the physical surface upon which an organism lived.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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, Earth Science Information Center, Box 25286, MS 517, 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.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. 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.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A11 *Measurement of discharge by moving-boat method*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
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HYDROLOGIC-DATA STATION RECORDS

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA

(National stream-quality accounting network station)

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

DRAINAGE AREA.--6,573 mi².

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.-- No estimated daily discharge. Records good, except for period June 13-July 12, which are fair. Several measurements of water temperature were made during the year.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4110	2470	15000	11500	30800	25900	16800	6340	4780	10500	3240	2560
2	3420	2620	13900	10600	26400	25600	16400	6240	4880	7750	3110	2540
3	2990	2680	13000	9350	20700	27100	18300	8420	4790	6340	3080	2540
4	2730	3110	11700	8170	14900	30000	23000	14600	4750	5530	3210	2570
5	2540	4610	10100	7650	11200	30900	28700	18000	4660	4890	3590	2720
6	2420	6770	8700	7320	9650	29700	30100	16700	4220	4470	3850	2720
7	2330	8320	7700	6930	8480	25100	28100	12700	3730	4040	3760	2630
8	2270	8060	8050	8620	7590	19200	26200	10600	3540	3820	4020	2550
9	2240	6730	8350	10600	6960	15200	25800	9800	3570	4380	3930	2430
10	2200	5960	8720	11200	6650	12200	27300	9180	3800	5130	3750	2350
11	2180	5830	9820	13600	6780	10000	29500	8990	3540	4540	4920	2290
12	2200	6400	10600	18300	7100	9220	31200	9330	3180	3960	6440	2270
13	2220	7560	10900	21700	8240	9620	32100	8700	2990	4490	6140	2210
14	2330	7110	9840	25500	10200	10300	31600	7850	2980	11700	5100	2170
15	2410	6200	8870	29100	10400	10300	30600	8150	3020	17100	4550	2180
16	2360	6360	9850	31900	9930	10500	29300	9890	2980	16800	4040	2270
17	2270	6100	15600	33500	9890	11000	28400	11400	2820	17700	4380	2390
18	2200	5440	20100	34200	10400	12000	26800	11700	2750	19000	3110	2450
19	2140	4870	20500	33800	12400	12000	24600	11100	2720	20100	3400	2400
20	2090	4660	19300	41500	14700	10900	21700	10100	2700	20600	3310	2360
21	2080	5960	18100	62300	16400	10200	19100	8990	2740	17500	3040	2290
22	2140	8310	17000	60900	17900	9920	16500	6950	3120	12300	3240	2240
23	2150	9860	16700	59600	19100	9100	13600	5280	3560	8570	3170	2200
24	2150	12100	17000	54500	20600	9170	12100	4530	3980	6570	2920	2160
25	2130	15400	17200	52300	22400	11000	11300	4360	5880	5800	2720	2130
26	2120	17300	16600	51000	24500	13100	10300	4240	6660	5190	2640	2120
27	2110	18200	15500	48100	25800	14700	9340	4430	7390	4600	2580	2110
28	2120	18300	14400	44000	26100	17900	8660	4790	10400	4050	2510	2130
29	2160	17400	13700	39800	---	20600	7940	5090	11600	3680	2450	2100
30	2290	16100	13200	36400	---	21200	6970	4800	12500	3480	2400	2080
31	2390	---	12500	33900	---	19100	---	4470	---	3360	2450	---
TOTAL	73490	250790	412500	917840	416170	502730	642310	267720	140230	267940	111050	70160
MEAN	2371	8360	13310	29610	14860	16220	21410	8636	4674	8643	3582	2339
MAX	4110	18300	20500	62300	30800	30900	32100	18000	12500	20600	6440	2720
MIN	2080	2470	7700	6930	6650	9100	6970	4240	2700	3360	2400	2080
CFSM	.36	1.27	2.02	4.50	2.26	2.47	3.26	1.31	.71	1.31	.54	.36
IN.	.42	1.42	2.33	5.19	2.36	2.85	3.64	1.52	.79	1.52	.63	.40

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1993, BY WATER YEAR (WY)

MEAN	2934	4178	10080	15480	18980	20360	19670	12660	5551	4664	3860	2957
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 1992 CALENDAR YEAR			FOR 1993 WATER YEAR			WATER YEARS 1939 - 1993			
ANNUAL TOTAL			2958270			4072930						
ANNUAL MEAN			8083			11160						
HIGHEST ANNUAL MEAN									10070			
LOWEST ANNUAL MEAN									22560		1983	
HIGHEST DAILY MEAN			36200			Feb 18		62300		Jan 21		
LOWEST DAILY MEAN			2080			Oct 21		2080		Oct 21		
ANNUAL SEVEN-DAY MINIMUM			2120			Oct 20		2120		Sep 24		
INSTANTANEOUS PEAK FLOW									65500		Jan 21	
INSTANTANEOUS PEAK STAGE									20.93		Jan 21	
INSTANTANEOUS LOW FLOW									2070		Oct 20, 21	
INSTANTANEOUS LOW STAGE									7.81		Oct 20, 21	
ANNUAL RUNOFF (CFSM)			1.23						1.70			
ANNUAL RUNOFF (INCHES)			16.74						23.05		1.53	
10 PERCENT EXCEEDS			18400						26100		27800	
50 PERCENT EXCEEDS			4880						8050		4620	
90 PERCENT EXCEEDS			2400						2310		1820	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.69	8.42	17.09	16.00	19.41	18.90	17.51	13.02	11.50	15.54	9.56	8.56
2	9.82	8.65	16.81	15.58	18.95	18.86	17.43	12.94	11.61	14.03	9.39	8.53
3	9.20	8.75	16.54	14.98	18.21	19.03	17.84	14.40	11.50	13.02	9.34	8.52
4	8.81	9.37	16.05	14.29	17.04	19.33	18.53	16.96	11.45	12.31	9.52	8.58
5	8.53	11.27	15.35	13.97	15.87	19.42	19.20	17.79	11.35	11.62	10.05	8.79
6	8.35	13.35	14.61	13.76	15.13	19.30	19.34	17.48	10.82	11.12	10.37	8.80
7	8.21	14.39	14.00	13.50	14.49	18.80	19.14	16.41	10.23	10.60	10.26	8.67
8	8.13	14.22	14.22	14.55	13.93	17.98	18.93	15.60	9.98	10.34	10.58	8.55
9	8.07	13.33	14.40	15.61	13.52	17.13	18.89	15.21	10.01	11.01	10.46	8.36
10	8.01	12.69	14.62	15.86	13.29	16.24	19.06	14.89	10.30	11.90	10.25	8.25
11	7.99	12.58	15.22	16.66	13.40	15.31	19.29	14.79	9.98	11.20	11.63	8.16
12	8.02	13.07	15.61	17.82	13.61	14.91	19.45	14.97	9.48	10.50	13.11	8.12
13	8.05	13.91	15.73	18.36	14.33	15.12	19.53	14.61	9.20	11.15	12.85	8.04
14	8.21	13.61	15.23	18.85	15.39	15.44	19.48	14.10	9.19	15.83	11.86	7.98
15	8.33	12.90	14.72	19.24	15.50	15.48	19.39	14.28	9.25	17.59	11.22	7.98
16	8.26	13.04	15.21	19.51	15.27	15.55	19.26	15.25	9.19	17.53	10.61	8.12
17	8.12	12.82	17.21	19.66	15.25	15.78	19.17	15.95	8.95	17.72	10.29	8.31
18	8.01	12.22	18.15	19.72	15.49	16.17	19.00	16.07	8.85	17.98	9.38	8.40
19	7.92	11.60	18.20	19.69	16.31	16.17	18.73	15.84	8.80	18.14	9.78	8.32
20	7.84	11.35	18.03	20.08	17.02	15.73	18.36	15.35	8.77	18.22	9.66	8.25
21	7.83	12.65	17.80	20.84	17.43	15.44	17.97	14.77	8.83	17.67	9.28	8.15
22	7.92	14.38	17.57	20.80	17.75	15.27	17.44	13.47	9.40	16.24	9.56	8.07
23	7.94	15.24	17.49	20.76	18.00	14.85	16.72	12.04	10.00	14.52	9.46	8.02
24	7.94	16.19	17.57	20.59	18.22	14.89	16.22	11.19	10.53	13.21	9.10	7.95
25	7.91	17.19	17.60	20.52	18.46	15.75	15.92	10.99	12.62	12.55	8.80	7.91
26	7.90	17.64	17.48	20.48	18.73	16.56	15.47	10.85	13.30	11.96	8.67	7.89
27	7.88	17.82	17.21	20.39	18.88	17.00	14.97	11.08	13.80	11.27	8.59	7.88
28	7.89	17.85	16.95	20.25	18.92	17.75	14.59	11.50	15.50	10.62	8.48	7.90
29	7.95	17.65	16.76	20.09	---	18.22	14.15	11.86	16.03	10.16	8.39	7.86
30	8.16	17.37	16.61	19.91	---	18.30	13.52	11.51	16.35	9.89	8.32	7.84
31	8.31	---	16.36	19.70	---	17.98	---	11.12	---	9.73	8.39	---
MAX	10.69	17.85	18.20	20.84	19.41	19.42	19.53	17.79	16.35	18.22	13.11	8.80
MIN	7.83	8.42	14.00	13.50	13.29	14.85	13.52	10.85	8.77	9.73	8.32	7.84

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

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

pH: June 1975 to October 1980.

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

DISSOLVED OXYGEN: June 1975 to October 1980.

SUSPENDED-SEDIMENT CONCENTRATIONS: April 1967 to current year.

SUSPENDED-SEDIMENT DISCHARGE: April 1967 to current year.

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

REMARKS.--Suspended-sediment data, sieve diameter, percent finer than 0.062 MM are instantaneous values.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Sept. 10, 1965; minimum, 17 micromhos Apr. 26, 1979.

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--

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

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

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

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CaCO3)	
OCT 1992													
06...	1000	2420	73	6.83	22.5	30	15	--	--	K20	680	16	
FEB 1993													
12...	1245	7100	65	6.24	14.5	40	18	9.8	1.5	210	K48	13	
APR													
07...	1030	28100	50	6.47	15.5	60	40	10.2	2.4	K20	K170	11	
JUL													
13...	1000	4490	67	6.68	26.5	20	21	7.6	1.6	K10	230	15	
DATE		CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992													
06...	4.4	1.2	7.6	2.0	19	6.0	5.9	<0.1	9.4	54	48	0.01	
FEB 1993													
12...	3.5	1.1	5.6	1.6	14	6.9	5.3	<0.1	11	50	44	--	
APR													
07...	2.9	0.96	4.3	1.6	12	5.3	4.3	0.1	6.2	49	32	--	
JUL													
13...	3.9	1.2	6.7	1.6	20	4.7	5.3	<0.1	8.3	50	47	--	

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

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

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

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

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)
OCT 1992												
06...	<0.01	0.05	0.056	0.02	0.02	0.5	0.07	0.02	0.01	50	27	<3
FEB 1993												
12...	0.02	--	0.280	--	0.09	0.4	0.08	0.03	0.02	190	31	<3
APR												
07...	<0.01	--	0.120	--	0.04	0.6	0.12	0.08	0.02	120	24	<3
JUL												
13...	<0.01	--	0.630	--	0.04	0.3	0.04	0.02	<0.01	60	25	<3
DATE	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDEDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992												
06...	210	<4	16	<10	2	<1	<1	37	<6	38	250	96
FEB 1993												
12...	270	<4	78	<10	1	<1	<1	29	<6	53	1020	92
APR												
07...	310	<4	15	<10	2	<1	<1	24	<6	124	9410	71
JUL												
13...	190	<4	4	<10	2	<1	<1	34	<6	78	950	100

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

PEARL RIVER BASIN
02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued
SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	60	657	38	255	131	4500	82	2420	175	10100	228	11500
2	49	452	38	266	120	3980	75	2090	142	7200	230	11500
3	46	367	39	282	110	3470	70	2770	108	4690	244	12700
4	41	302	50	428	99	2940	64	1410	860	3020	255	14300
5	39	268	85	1080	84	2240	57	1170	72	2060	310	17600
6	37	242	141	2600	69	1620	51	1010	62	1620	221	12200
7	35	218	164	3680	60	1250	51	964	57	1300	172	8540
8	35	217	142	3110	61	1330	65	1540	52	1070	119	4870
9	36	220	100	1820	68	1530	89	2490	50	958	107	3730
10	33	196	78	1260	79	1860	108	3110	50	905	85	2570
11	33	195	69	1090	83	2200	120	4000	52	952	70	1860
12	31	184	70	1230	93	2580	197	7810	55	1050	64	1590
13	31	187	78	1610	108	3060	246	11000	65	1460	68	1770
14	34	216	69	1340	104	2760	344	17100	74	2010	73	2000
15	36	234	59	987	79	1890	424	23300	74	2020	64	1720
16	35	226	63	1080	74	1940	422	24700	71	1880	76	2100
17	35	212	58	954	151	5560	358	21300	70	1840	71	1990
18	36	213	57	837	205	8570	277	16900	82	2250	87	2590
19	33	190	53	697	201	8580	265	16000	103	3180	84	2490
20	31	175	49	617	181	7450	250	17700	123	4210	57	1620
21	32	179	66	1080	152	5960	338	33200	139	5090	60	1630
22	33	192	99	2220	128	4820	298	28400	153	5900	53	1390
23	33	193	114	3060	131	4910	300	28000	168	6860	45	1110
24	31	180	170	5130	149	5600	248	21500	180	7730	51	1260
25	30	172	217	7690	156	5940	230	19500	191	8650	93	2670
26	30	173	263	10100	132	4930	249	20500	205	9920	169	5310
27	31	178	252	9930	111	3930	209	16500	224	11200	141	4800
28	32	185	240	9390	103	3460	209	15400	231	11700	205	7970
29	35	202	186	7190	104	3400	174	11700	---	---	210	9010
30	36	222	153	5520	97	3060	207	13300	---	---	177	7780
31	38	249	---	---	89	2730	188	1300	---	---	149	6090
TOTAL	---	7296	---	86533	---	118050	---	388084	---	120825	---	168260
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	112	4220	93	1590	35	452	113	3120	72	633	24	165
2	110	4030	90	1520	33	441	118	2470	73	615	27	188
3	191	7560	96	2180	38	490	77	1320	63	523	28	195
4	187	8690	121	4140	63	811	63	941	59	511	41	283
5	152	8210	152	5930	48	604	63	832	56	553	38	278
6	135	7560	162	6040	39	441	57	688	39	404	39	286
7	132	7130	154	4700	41	412	55	600	25	256	41	288
8	178	9050	130	4260	48	459	50	516	26	280	29	197
9	232	11600	82	3440	52	497	64	757	45	477	25	163
10	181	9510	90	2040	48	489	62	859	55	557	27	168
11	185	10200	108	2190	39	378	118	1450	34	442	29	182
12	146	8510	73	2730	33	280	210	2250	27	468	27	167
13	274	16100	68	2740	28	226	256	3080	34	564	23	137
14	207	12000	114	1450	31	249	117	3160	27	386	24	141
15	136	7770	156	2530	56	457	52	1990	44	528	32	186
16	128	6960	159	4140	106	853	40	1500	201	2180	21	128
17	189	10100	141	4590	162	1230	42	1620	140	1660	19	123
18	164	8470	98	4140	206	1530	130	5280	201	1690	22	145
19	121	5840	56	2790	224	1650	65	2770	82	759	25	164
20	125	5570	53	1500	198	1440	37	1560	153	1370	27	169
21	105	4330	48	1290	140	1040	55	2130	16	128	24	148
22	85	3160	76	901	88	741	61	1860	22	194	21	128
23	84	2570	61	1080	78	750	73	1690	21	180	20	122
24	93	2810	73	7480	158	1700	75	1330	17	134	20	118
25	95	2750	68	753	162	2570	62	971	26	189	20	115
26	82	2220	68	781	133	2390	61	855	33	235	20	114
27	80	2020	39	466	99	1980	81	1010	33	228	20	114
28	90	2100	67	861	88	2390	63	694	32	215	20	114
29	103	2210	47	652	98	2880	55	550	38	249	20	112
30	107	2010	41	531	104	3210	57	533	43	279	20	112
31	---	---	38	459	---	---	54	491	33	217	---	---
TOTAL	---	195260	---	79894	---	33040	---	48877	---	17104	---	4950

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.--No estimated daily discharges.Records good.Telemeter and satellite telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 21	0830	*13,800	*20.76	Mar. 3	0600	6,490	*15.10

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	347	453	486	528	587	656	512	388	487	425	323
2	312	428	427	458	507	3670	598	3040	375	432	383	400
3	308	751	404	441	488	6490	551	4030	367	408	401	341
4	307	1270	397	459	474	5520	1990	3660	359	393	474	350
5	301	2150	398	568	460	3960	2970	2160	351	396	601	336
6	297	2110	394	603	465	1800	2440	936	345	425	513	325
7	295	1630	407	779	466	1070	1420	706	340	397	621	368
8	292	775	396	2080	458	831	2880	596	336	377	552	350
9	292	535	430	2280	444	710	5820	536	332	369	417	329
10	289	453	1040	1780	443	643	5220	544	331	362	381	321
11	308	457	1560	1290	599	605	4230	743	328	387	358	314
12	328	737	1070	4630	1250	639	2290	1100	325	436	347	310
13	348	1130	627	4220	1270	1120	1180	751	342	575	338	308
14	311	866	522	3030	670	1430	917	579	483	727	335	307
15	297	602	595	2580	551	1090	2770	520	343	557	336	340
16	296	490	2350	1340	560	995	2700	481	331	698	336	340
17	295	433	2830	890	835	1880	1570	454	324	545	338	328
18	295	403	2590	711	988	1560	993	439	320	439	331	321
19	290	383	1600	623	614	1090	795	441	321	428	324	315
20	286	418	996	3790	533	868	699	440	338	696	319	311
21	286	1160	999	12900	502	1090	658	417	373	856	318	308
22	286	2340	1160	8070	490	1210	677	405	386	1150	319	305
23	286	1810	877	5660	488	1700	611	397	402	1030	334	302
24	286	1770	699	2920	457	2190	562	392	461	1150	318	299
25	288	2020	613	1540	454	2620	537	423	578	688	312	297
26	287	1630	579	1120	611	2720	523	427	1510	490	310	297
27	287	977	612	868	1100	1570	496	486	1010	439	305	300
28	294	668	688	720	785	1070	476	502	606	408	305	292
29	310	559	638	647	---	818	461	558	567	427	311	296
30	337	495	570	593	---	708	453	465	615	410	314	288
31	334	---	522	555	---	658	---	411	---	473	313	---
TOTAL	9351	29797	27443	68631	17490	52912	48143	27551	13487	17055	11589	9621
MEAN	302	993	885	2214	625	1707	1605	889	450	550	374	321
MAX	348	2340	2830	12900	1270	6490	5820	4030	1510	1150	621	400
MIN	286	347	394	441	443	587	453	392	320	362	305	288
CFSM	.61	2.02	1.80	4.50	1.27	3.47	3.26	1.81	.91	1.12	.76	.65
IN.	.71	2.25	2.07	5.19	1.32	4.00	3.64	2.08	1.02	1.29	.88	.73

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1993, BY WATER YEAR (WY)

MEAN	391	499	891	1261	1433	1363	1276	893	516	464	418	383
MAX	1894	2118	2976	4728	3994	3625	4718	4317	1744	1503	1402	1131
(WY)	1965	1958	1972	1990	1966	1973	1983	1953	1975	1946	1953	1971
MIN	184	212	309	279	317	408	303	249	244	233	220	204
(WY)	1964	1957	1967	1956	1968	1955	1963	1956	1963	1969	1954	1952

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1944 - 1993		
ANNUAL TOTAL	330501		333070				
ANNUAL MEAN	903		913				
HIGHEST ANNUAL MEAN					812		
LOWEST ANNUAL MEAN					1301		
HIGHEST DAILY MEAN	6840		12900		394		
LOWEST DAILY MEAN	255		286		177		
ANNUAL SEVEN-DAY MINIMUM	258		286		179		
INSTANTANEOUS PEAK FLOW			13800		64200		
INSTANTANEOUS PEAK STAGE			20.76a		34.62		
ANNUAL RUNOFF (CFSM)	1.84		1.85		1.65		
ANNUAL RUNOFF (INCHES)	24.99		25.18		22.44		
10 PERCENT EXCEEDS	2340		2090		1590		
50 PERCENT EXCEEDS	425		490		400		
90 PERCENT EXCEEDS	292		308		247		

a Outside gage.

PEARL RIVER BASIN

02491500 BOGUE CHITTO AT FRANKLINTON, LA

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

DRAINAGE AREA.--990 mi².

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 44,000 ft³/s, Jan. 21, gage height, 19.00 ft; minimum gage height, 0.55 ft, Oct. 27..

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.87	.77	1.56	1.61	2.07	1.74	1.98	1.76	1.29	1.56	1.24	.83
2	.82	.95	1.44	1.52	1.96	3.80	1.88	5.18	1.22	1.33	1.09	.90
3	.79	1.02	1.34	1.47	1.86	8.89	1.75	---	1.17	1.21	1.25	.97
4	.78	2.84	1.29	1.63	1.79	8.84	4.25	---	1.14	1.14	1.91	1.09
5	.76	4.25	1.30	2.15	1.73	7.28	6.09	---	1.12	1.10	2.53	.94
6	.73	4.47	1.26	1.96	1.72	4.71	5.02	2.16	1.08	1.08	1.69	.85
7	.71	3.86	1.29	2.09	1.69	2.99	4.06	1.94	1.04	1.11	1.48	.96
8	.70	2.70	1.31	3.50	1.62	2.46	4.26	1.76	1.03	1.11	2.23	1.13
9	.68	1.72	1.45	4.15	1.56	2.19	8.91	2.03	1.00	1.38	1.43	.89
10	.67	1.40	2.62	3.90	1.56	2.01	8.51	3.18	.98	1.12	1.18	.81
11	.72	1.41	2.72	4.45	2.29	1.89	7.34	2.74	.97	1.07	1.07	.76
12	.73	2.51	2.74	7.49	2.26	1.91	5.44	2.63	.97	1.19	1.00	.72
13	.77	3.68	1.98	9.03	2.65	2.45	3.47	2.21	.99	1.49	.96	.71
14	.75	2.91	1.60	6.64	2.21	2.75	2.80	1.92	1.53	2.08	.92	.71
15	.68	2.35	1.72	5.19	1.79	2.61	5.40	1.74	1.21	1.99	.92	.85
16	.66	1.72	4.44	4.04	1.91	2.34	6.33	1.64	1.01	1.88	1.14	.93
17	.67	1.44	5.82	3.01	1.95	3.50	4.73	1.56	.96	1.72	.98	.82
18	.65	1.30	5.18	2.55	2.19	3.43	3.38	1.50	.94	1.36	.92	.78
19	.63	1.20	4.31	2.31	1.97	2.87	2.63	1.48	.92	1.19	.88	.76
20	.60	1.35	3.37	7.38	1.69	2.50	2.34	1.47	1.00	1.46	.86	.73
21	.59	2.51	3.28	17.77	1.60	2.94	2.40	1.44	1.38	1.93	.92	.71
22	.59	4.41	2.97	16.14	1.52	2.72	2.14	1.38	1.28	2.56	.91	.70
23	.58	5.10	2.77	11.59	1.46	3.47	2.03	1.34	1.21	2.92	.88	.68
24	.57	4.97	2.42	7.51	1.41	3.74	1.90	1.31	1.44	2.29	.86	.67
25	.57	5.24	2.11	4.80	1.41	3.80	1.82	1.35	1.84	2.16	.81	.64
26	.57	4.30	1.94	3.68	1.74	5.66	1.99	1.71	3.63	1.60	.79	.60
27	.56	3.42	1.96	3.14	1.86	4.21	1.79	1.67	3.98	1.34	.77	.63
28	.58	2.44	2.02	2.79	2.10	3.08	1.67	1.50	2.59	1.20	.75	.60
29	.58	1.99	2.00	2.54	---	2.53	1.60	1.48	2.01	1.19	.74	.59
30	.67	1.72	1.85	2.37	---	2.24	1.57	1.53	1.69	1.29	.76	.58
31	.77	---	1.72	2.21	---	2.12	---	1.42	---	1.20	.81	---
MAX	.87	5.24	5.82	17.77	2.65	8.89	8.91	---	3.98	2.92	2.53	1.13
MIN	.56	.77	1.26	1.47	1.41	1.74	1.57	---	.92	1.07	.74	.58

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.--Estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 14	1930	11,300	11.09	Mar. 5	0958	12,000	11.22
Jan. 22	1430	*46,900	*16.00	Aprl 11	0459	12,400	11.30

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	e1000	e1360	1490	2240	1820	2150	1540	1220	1670	1220	985
2	1010	e1060	e1360	1410	2060	1740	1990	2250	1180	1490	1280	990
3	981	e1090	e1380	1340	1910	3680	1860	4230	1150	1340	1210	1010
4	963	e1900	1400	1340	1800	8660	2660	8430	1120	1260	1320	1030
5	950	e2730	1380	1590	1710	11700	5600	8420	1110	1220	1670	1070
6	936	e2930	1370	1760	1690	10100	8050	5620	1080	1200	1910	1050
7	e930	e2540	1350	1660	1690	6560	6450	3280	1060	1170	1480	1130
8	e915	e1840	1380	2080	1640	3480	4470	2310	1040	1180	1490	1150
9	e900	e1360	1410	2880	1580	2630	4800	1930	1030	1410	1750	1120
10	e890	e1110	1970	3230	1530	2260	9590	1750	1020	1540	1370	1000
11	e890	e1110	2530	3620	1860	2040	12000	2140	1010	1360	1190	955
12	e900	e1760	2460	4310	2580	1920	10000	2770	1000	1320	1120	927
13	e915	e2320	2310	6360	2490	2340	7260	2560	995	1600	1080	910
14	e920	e1980	1880	10500	2460	2810	3970	2220	1060	2080	1060	907
15	e890	e1680	1660	9580	2030	2770	3260	1840	1340	2360	1040	936
16	e880	e1360	2430	6080	1820	2660	5090	1640	1140	1920	1060	1130
17	e900	e1220	4240	3920	2040	3620	7560	1530	1040	1720	1110	1110
18	e890	e1150	6620	2820	1950	4180	5760	1460	1000	1540	1040	1000
19	e880	e1110	6370	2340	1970	3650	3550	1410	985	1350	1020	957
20	e870	e1200	4660	4020	1770	3080	2690	1380	986	1270	1000	931
21	e860	e1740	3580	22400	1610	3260	2450	1350	1170	1470	1070	913
22	e860	e2860	3140	43300	1540	3430	2310	1300	1320	1920	1070	896
23	e850	e3360	2750	34500	1470	3030	2070	1260	1250	2530	1060	887
24	e840	e3390	2440	21400	1410	3230	1910	1230	1270	2450	1030	872
25	e835	e3500	2120	13000	1380	3470	1780	1350	1630	2020	1000	861
26	e830	e2800	1880	7790	1620	4500	1710	1490	2270	1830	976	850
27	e850	e2240	1740	4650	1910	6090	1760	1390	3100	1550	966	858
28	e870	e1740	1730	3530	1850	5270	1620	1380	3220	1370	949	857
29	e890	e1480	1740	3040	---	3360	1530	1350	2580	1270	958	839
30	e935	e1380	1690	2730	---	2650	1490	1350	2060	1240	1010	829
31	e1000	---	1580	2470	---	2330	---	1300	---	1260	1000	---
TOTAL	28080	56940	73910	231140	51610	122320	127390	73460	41436	48910	36509	28960
MEAN	906	1898	2384	7456	1843	3946	4246	2370	1381	1578	1178	965
MAX	1050	3500	6620	43300	2580	11700	12000	8430	3220	2530	1910	1150
MIN	830	1000	1350	1340	1380	1740	1490	1230	985	1170	949	829
CFSM	.75	1.56	1.97	6.15	1.52	3.25	3.50	1.95	1.14	1.30	.97	.80
IN.	.86	1.75	2.27	7.09	1.58	3.75	3.91	2.25	1.27	1.50	1.12	.89

e Estimated

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1992, BY WATER YEAR (WY)

MEAN	916	1226	2214	2869	3461	3247	3304	2170	1375	1254	1143	1031
MAX	2772	4298	7751	9596	10230	9284	14640	8770	5387	4020	3024	2597
(WY)	1985	1962	1962	1990	1966	1943	1983	1991	1975	1946	1953	1971
MIN	422	484	689	703	852	1026	722	592	565	556	565	503
(WY)	1969	1970	1940	1956	1968	1967	1963	1963	1963	1968	1963	1969

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1938 - 1993		
ANNUAL TOTAL	883278		920665				
ANNUAL MEAN	2413		2522		2010		
HIGHEST ANNUAL MEAN					3697		
LOWEST ANNUAL MEAN					919		
HIGHEST DAILY MEAN	19200	Feb 17	43300	Jan 22	126000	Apr	8 1983
LOWEST DAILY MEAN	830	Oct 26	829	Sep 30	369	Oct	26 1968
ANNUAL SEVEN-DAY MINIMUM	846	Oct 21	846	Oct 21	382	Oct	25 1968
INSTANTANEOUS PEAK FLOW			46900	Jan 22	132000	Apr	8 1983
INSTANTANEOUS PEAK STAGE			16.00	Jan 22	21.22	Apr	8 1983
INSTANTANEOUS LOW FLOW			823	Sep 30	366	Oct	22 1968
INSTANTANEOUS LOW STAGE			3.71	Sep 30			
ANNUAL RUNOFF (CFSM)	1.99		2.08		1.66		
ANNUAL RUNOFF (INCHES)	27.09		28.23		22.51		
10 PERCENT EXCEEDS	4730		4370		3890		
50 PERCENT EXCEEDS	1400		1580		1140		
90 PERCENT EXCEEDS	936		931		638		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.07	---	---	5.31	6.93	6.32	6.48	5.40	4.77	5.46	4.53	4.06
2	3.97	---	---	5.14	6.69	6.17	6.21	6.60	4.67	5.08	4.65	4.07
3	3.91	---	---	5.01	6.48	8.39	5.98	8.89	4.61	4.77	4.52	4.12
4	3.86	---	4.83	5.00	6.29	10.48	7.21	10.43	4.55	4.61	4.75	4.18
5	3.83	---	4.79	5.50	6.13	11.17	9.57	10.44	4.51	4.52	5.46	4.27
6	3.80	---	4.77	5.81	6.08	10.83	10.35	9.62	4.45	4.47	5.92	4.23
7	---	---	4.73	5.63	6.09	9.91	9.91	8.07	4.40	4.43	5.09	4.43
8	---	---	4.79	6.36	5.99	8.30	9.14	6.73	4.36	4.45	5.10	4.47
9	---	---	4.84	7.59	5.87	7.23	9.26	6.11	4.33	4.93	5.63	4.39
10	---	---	5.91	8.07	5.79	6.65	10.70	5.79	4.29	5.19	4.86	4.12
11	---	---	6.89	8.49	6.36	6.29	11.23	6.46	4.27	4.82	4.50	4.00
12	---	---	6.78	9.06	7.34	6.10	10.81	7.43	4.25	4.74	4.34	3.93
13	---	---	6.52	9.86	7.23	6.78	10.13	7.12	4.24	5.31	4.26	3.89
14	---	---	5.76	10.91	7.20	7.48	8.74	6.59	4.41	6.22	4.19	3.88
15	---	---	5.35	10.71	6.64	7.43	8.10	5.96	5.01	6.71	4.15	3.96
16	---	---	6.68	9.79	6.32	7.27	9.37	5.59	4.58	5.94	4.19	4.43
17	---	---	9.01	8.72	6.66	8.48	10.23	5.38	4.34	5.55	4.31	4.39
18	---	---	9.98	7.50	6.54	8.97	9.67	5.25	4.26	5.19	4.17	4.13
19	---	---	9.89	6.79	6.56	8.52	8.39	5.15	4.22	4.80	4.11	4.02
20	---	---	9.23	8.25	6.22	7.86	7.31	5.09	4.22	4.63	4.07	3.96
21	---	---	8.45	12.85	5.94	8.10	6.95	5.02	4.65	5.05	4.24	3.91
22	---	---	7.94	15.59	5.81	8.31	6.73	4.92	4.98	5.93	4.25	3.87
23	---	---	7.40	14.53	5.68	7.80	6.35	4.84	4.82	7.00	4.23	3.85
24	---	---	6.93	12.75	5.56	8.06	6.08	4.79	4.87	6.85	4.16	3.82
25	---	---	6.43	11.40	5.48	8.35	5.86	5.02	5.57	6.12	4.08	3.79
26	---	---	6.02	10.27	5.95	9.16	5.72	5.31	6.67	5.76	4.01	3.77
27	---	---	5.78	9.21	6.48	9.80	5.81	5.11	7.89	5.21	4.00	3.79
28	---	---	5.76	8.41	6.37	9.48	5.56	5.10	8.05	4.83	3.96	3.79
29	---	---	5.78	7.87	---	8.19	5.39	5.03	7.07	4.62	3.98	3.75
30	---	---	5.69	7.52	---	7.25	5.31	5.03	6.18	4.58	4.12	3.73
31	---	---	5.49	7.21	---	6.78	---	4.93	---	4.62	4.09	---
MAX	---	---	---	15.59	7.34	11.17	11.23	10.44	8.05	7.00	5.92	4.47
MIN	---	---	---	5.00	5.48	6.10	5.31	4.79	4.22	4.43	3.96	3.73

PEARL RIVER BASIN

02492600 PEARL RIVER AT PEARL RIVER, LA

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

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 0.05 ft. Non-recording gage (wire weight read once daily). Datum of gage is 0.05 ft. below sea level, prior to Sept. 30, 1992, water stage recorder, same datum. Prior to September 1970, supplemental gage located on East Pearl River at different datum for the determination of daily mean discharge for the entire flood plain.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 117,00 ft³/s, Jan. 23, gage height 18.35 ft, from graph based on gage readings; minimum gage height 4.42 ft, Sep. 28, from graph based on gage readings

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.33	4.85	12.43	11.67	15.02	13.62	13.14	9.80	7.60	11.14	6.52	5.05
2	7.15	5.14	12.12	11.45	14.68	13.72	12.82	9.80	7.44	11.05	6.40	5.23
3	6.65	5.42	11.84	11.14	14.30	13.90	12.52	10.23	7.56	10.45	6.30	5.30
4	6.15	5.82	11.66	10.62	13.75	14.10	12.68	10.72	7.53	9.79	6.17	5.31
5	5.70	5.98	11.53	10.54	13.12	14.60	13.50	11.98	7.47	9.63	6.23	5.62
6	5.38	6.50	11.12	10.13	12.20	15.14	14.21	13.05	7.39	8.22	6.68	5.66
7	5.21	8.04	10.72	9.95	11.40	15.21	14.75	13.20	7.15	7.65	7.06	5.75
8	5.07	9.79	10.20	9.92	10.76	14.80	14.90	12.46	6.80	7.24	6.95	5.95
9	4.94	10.20	9.90	10.13	10.23	14.07	14.70	11.01	6.47	7.09	7.01	5.72
10	4.87	9.86	10.10	10.90	9.84	13.14	14.47	11.00	6.35	7.43	7.18	5.46
11	4.82	9.21	10.47	12.10	9.73	12.34	14.67	10.88	6.38	8.10	7.00	5.18
12	4.70	8.92	10.75	12.73	9.82	11.62	15.05	10.90	6.35	8.07	7.05	4.95
13	4.71	9.53	10.95	13.02	10.02	11.25	15.10	10.90	6.11	7.70	7.77	4.85
14	4.70	10.10	11.10	13.54	10.22	11.18	15.07	10.82	5.85	8.17	8.17	4.90
15	4.81	10.32	11.06	14.18	10.56	11.25	14.94	10.42	5.83	9.65	8.05	5.33
16	4.90	9.99	11.17	14.52	10.95	11.50	14.73	10.00	6.00	11.20	7.62	5.44
17	4.88	9.31	12.00	14.63	11.08	12.06	14.60	10.01	5.92	12.00	7.12	5.43
18	4.70	8.93	12.58	14.72	11.00	12.22	14.73	10.38	5.80	12.16	6.58	5.40
19	4.65	8.60	13.35	14.80	10.93	12.32	14.62	10.79	5.65	12.38	6.10	5.60
20	4.63	8.29	13.79	15.00	11.10	12.25	14.25	10.85	5.60	12.53	5.98	5.38
21	4.61	8.40	13.77	16.05	11.43	12.27	13.82	10.70	5.66	12.72	6.11	5.12
22	4.64	8.99	13.56	17.30	11.85	11.97	13.42	10.35	5.83	12.93	5.96	5.01
23	4.60	10.00	13.22	18.18	12.18	11.82	12.92	9.67	6.20	12.50	5.90	4.85
24	4.60	11.10	12.88	17.80	12.42	11.42	12.43	8.90	6.56	11.65	5.82	4.72
25	4.62	11.81	12.67	17.30	12.68	11.27	11.82	8.15	6.90	10.66	5.74	4.62
26	4.59	12.32	12.58	17.20	12.95	11.73	11.35	7.82	7.85	9.63	5.50	4.54
27	4.57	12.78	12.50	16.42	13.23	12.30	11.00	7.69	9.23	8.98	5.31	4.50
28	4.56	12.91	12.35	16.45	13.50	12.80	10.67	7.60	9.85	8.40	5.20	4.45
29	4.53	12.80	12.16	16.05	---	13.00	10.30	7.65	10.52	8.42	5.15	4.47
30	4.57	12.65	12.00	15.54	---	13.02	10.00	7.75	11.03	7.10	5.10	4.52
31	4.68	---	11.86	15.28	---	13.15	---	7.83	---	6.74	5.08	---
MAX	7.33	12.91	13.79	18.18	15.02	15.21	15.10	13.20	11.03	12.93	8.17	5.95
MIN	4.53	4.85	9.90	9.92	9.73	11.18	10.00	7.60	5.60	6.74	5.08	4.45

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 E., Wilkinson County, Hydrologic Unit 08060100, near left bank at Tarbert Landing, 2.5 mi upstream from Lower Old River, 8.2 mi downstream from inlet channel to Old River Control Structure, and at river mile 306.3.

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

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

REMARKS.--Records for the 1993 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 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 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1991					
07...	1230	214000	81	46800	93
23...	1230	180000	92	44700	95
NOV					
04...	1230	347000	276	259000	93
18...	1230	311000	140	118000	79
DEC					
02...	1200	456000	238	293000	79
16...	1230	911000	464	1140000	61
JAN 1992					
13...	1230	667000	219	394000	47
29...	1330	483000	142	185000	69
FEB					
10...	1230	423000	121	138000	77
20...	1230	394000	195	207000	90
MAR					
11...	1230	585000	211	333000	71
23...	1230	766000	295	610000	72
APR					
06...	1230	661000	285	509000	77
20...	1230	428000	129	149000	89
MAY					
04...	1230	588000	514	816000	87
19...	1230	391000	128	135000	81
JUN					
01...	1230	301000	82	66600	91
15...	1230	420000	188	213000	92
29...	1230	401000	96	104000	89
JUL					
13...	1230	354000	157	150000	95
27...	1230	495000	190	254000	93
AUG					
12...	1230	574000	427	662000	93
24...	1230	387000	208	217000	94
SEP					
10...	1230	296000	164	131000	93
23...	1230	296000	186	149000	89

LOWER MISSISSIPPI RIVER BASIN

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61000	119000	267000	626000	157000	288000	638000	578000	67000	116000	291000	144000
2	58000	158000	293000	580000	153000	297000	632000	656000	70000	116000	306000	132000
3	56000	197000	337000	551000	152000	292000	609000	733000	74000	119000	326000	119000
4	53000	258000	366000	523000	148000	294000	575000	815000	78000	121000	349000	114000
5	52000	266000	400000	499000	154000	299000	536000	782000	82000	121000	383000	113000
6	50000	294000	434000	469000	164000	327000	508000	737000	88000	122000	431000	116000
7	47000	279000	479000	451000	159000	329000	479000	676000	97000	125000	472000	124000
8	45000	261000	539000	435000	153000	335000	460000	606000	111000	128000	512000	133000
9	44000	235000	620000	427000	147000	338000	438000	521000	125000	128000	550000	133000
10	42000	218000	694000	409000	138000	337000	414000	442000	138000	126000	596000	131000
11	42000	203000	768000	392000	133000	333000	395000	359000	151000	129000	631000	126000
12	41000	192000	829000	389000	125000	340000	357000	311000	169000	138000	661000	121000
13	41000	180000	893000	394000	121000	348000	311000	265000	186000	150000	632000	112000
14	44000	165000	1030000	393000	135000	361000	278000	224000	198000	152000	603000	108000
15	47000	151000	1090000	387000	143000	373000	244000	193000	213000	151000	574000	110000
16	48000	141000	1140000	374000	151000	392000	220000	172000	222000	149000	531000	114000
17	48000	130000	1150000	357000	167000	412000	195000	157000	224000	144000	485000	113000
18	47000	117000	1140000	342000	185000	435000	181000	144000	211000	141000	428000	116000
19	48000	116000	1140000	348000	200000	480000	164000	135000	197000	145000	381000	123000
20	46000	121000	1100000	321000	207000	513000	149000	134000	192000	151000	340000	132000
21	45000	136000	1070000	296000	203000	539000	155000	132000	184000	154000	303000	139000
22	44000	148000	1030000	284000	200000	575000	159000	122000	173000	159000	275000	147000
23	45000	171000	990000	270000	203000	609000	167000	113000	158000	172000	243000	148000
24	45000	196000	958000	258000	216000	619000	181000	105000	140000	191000	217000	143000
25	48000	220000	920000	244000	227000	623000	204000	97000	124000	215000	203000	137000
26	50000	232000	887000	225000	234000	625000	237000	88000	114000	240000	195000	140000
27	58000	236000	854000	206000	242000	630000	288000	86000	110000	254000	215000	143000
28	61000	236000	825000	197000	256000	629000	378000	84000	107000	259000	230000	150000
29	66000	242000	770000	185000	272000	636000	442000	81000	104000	260000	206000	165000
30	76000	258000	708000	174000	---	641000	506000	77000	111000	270000	182000	171000
31	94000	---	662000	163000	---	639000	---	72000	---	280000	162000	---
MAX	94000	294000	1150000	626000	272000	641000	638000	815000	224000	280000	661000	171000
MIN	41000	116000	267000	163000	121000	288000	149000	72000	67000	116000	162000	108000

RED RIVER BASIN

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

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

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

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 12, 1939, non-recording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 109,000 ft³/s May 12, gage height, 19.15 ft; minimum daily, 2,180 ft³/s Oct. 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4350	2880	24500	39500	13900	47900	15600	25700	64000	11300	7000	4670
2	3430	2960	23200	32700	13300	54200	15000	31100	63200	9450	7030	4510
3	3400	2990	20700	28200	12800	67700	21600	31700	62700	8720	7060	4470
4	3150	2960	19400	25700	12500	66300	29800	27100	60800	9390	7310	4380
5	2730	2960	18700	34900	13400	57500	31500	22100	61100	9400	8830	4070
6	2420	2880	17000	36400	15100	58800	31900	19800	61500	7920	12800	3980
7	2360	2700	15000	31300	16400	62900	34900	26300	60300	7560	11500	4080
8	2480	2610	13400	29200	17000	63400	37900	33000	58900	7360	8600	3800
9	2420	2740	12500	27400	15500	61900	37900	38600	56000	7220	8040	3780
10	2190	3040	12500	23800	13700	54400	36700	52000	55200	6660	7830	3710
11	2180	3100	13300	21300	12500	45700	32800	84900	55900	5820	7490	3610
12	2550	2950	16200	20400	12100	40400	28200	105000	54500	5450	6880	3650
13	2980	2740	20000	20600	15200	39100	21700	87000	54300	5250	6570	3690
14	3160	2560	22100	21200	19000	36200	19000	63600	56000	5020	6310	3440
15	3080	2630	36800	20900	19800	31300	19900	58300	50500	4800	5880	3450
16	2650	2870	61000	20400	22000	28900	25100	62000	47500	4640	5250	4100
17	2470	3200	67300	18600	34100	29700	34700	66500	45100	4640	5190	4560
18	2950	3900	65700	17200	43200	35600	41200	70700	39800	4690	5220	5180
19	3110	4050	62200	16900	40000	36800	45200	73300	34800	4660	5340	7290
20	4580	3530	64000	16800	40700	36300	48700	70400	28900	4590	5350	8710
21	4300	4400	70000	17600	42000	40500	49200	67100	25300	4560	5170	8770
22	3330	6130	73200	22600	45000	44400	43700	65800	22300	4640	5060	8420
23	2620	8610	71000	31900	46600	40800	38200	65200	19000	4630	4950	7070
24	2320	10600	68600	33000	44700	34500	31800	65500	16400	4530	4890	7060
25	2500	12200	67600	32700	45400	34000	23700	65200	14500	4530	4860	8570
26	2800	19600	65200	30800	50500	37800	19500	62400	13500	4780	4770	9210
27	2870	25000	57700	26900	51400	35500	17700	62600	12900	5770	5050	7570
28	2840	29500	52500	21700	49700	30700	20900	64000	13000	6350	5230	6300
29	2950	28800	50500	17900	---	28700	26000	63200	14000	6730	4910	5960
30	3360	26500	49100	15800	---	25400	25700	64200	13300	6880	4810	6010
31	2990	---	45700	14500	---	19400	---	65300	---	6990	4890	---
TOTAL	91520	231590	1276600	768800	777500	1326700	905700	1759600	1235200	194930	200070	164070
MEAN	2952	7720	41180	24800	27770	42800	30190	56760	41170	6288	6454	5469
MAX	4580	29500	73200	39500	51400	67700	49200	105000	64000	11300	12800	9210
MIN	2180	2560	12500	14500	12100	19400	15000	19800	12900	4530	4770	3440
AC-FT	181500	459400	2532000	1525000	1542000	2632000	1796000	3490000	2450000	386600	396800	325400
CAL YR	1992	TOTAL	8743140	MEAN	23890	MAX	73200	MIN	2180	AC-FT	17340000	
WTR YR	1993	TOTAL	8932280	MEAN	24470	MAX	105000	MIN	2180	AC-FT	17720000	

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.28	1.56	10.58	15.20	9.50	14.88	11.20	10.10	14.32	4.20	1.94	.10
2	7.10	1.62	10.35	14.75	9.40	14.65	10.59	10.59	14.19	4.06	2.04	.15
3	6.00	1.30	10.20	13.98	9.08	15.30	9.60	11.15	13.90	4.09	2.28	.20
4	4.90	1.29	10.05	13.42	8.59	16.64	8.92	11.41	13.60	3.88	2.67	.50
5	4.54	1.05	9.55	13.42	8.20	17.00	9.20	11.32	13.35	3.64	2.99	.40
6	4.58	.94	9.02	13.50	8.05	16.70	10.30	10.80	13.41	3.65	3.20	.18
7	4.80	.90	8.58	13.40	8.10	16.25	11.20	10.30	13.50	3.52	3.40	-.52
8	4.85	.88	8.28	13.18	8.35	16.50	11.80	10.40	13.36	3.10	3.42	-.85
9	3.80	.78	7.60	13.05	8.48	16.82	12.55	11.02	13.08	2.73	3.29	-.72
10	2.75	.70	7.38	12.95	8.45	16.30	12.20	12.00	12.60	2.60	2.85	-.68
11	2.10	.70	7.65	12.80	8.28	15.00	11.86	13.85	12.36	2.45	2.50	-.55
12	1.71	.90	7.92	12.35	7.91	14.35	11.22	15.50	12.40	2.20	2.26	-.52
13	1.65	1.25	8.20	12.15	7.70	13.45	10.44	17.44	12.35	1.76	2.00	-.43
14	1.59	1.55	9.10	12.12	7.78	13.10	9.43	16.70	12.44	1.47	1.71	-.62
15	1.51	1.75	11.60	12.10	8.00	12.68	8.65	15.00	12.37	1.33	1.40	-.45
16	1.58	1.38	13.65	12.15	8.90	12.22	8.90	14.97	11.90	1.10	1.20	-.43
17	1.45	1.48	15.55	12.10	11.15	11.72	9.80	15.02	11.20	.99	1.00	-.28
18	1.36	1.55	16.25	12.10	13.00	12.28	12.00	15.50	10.78	.82	.90	-.14
19	1.28	1.65	16.82	12.18	14.20	13.58	13.00	16.12	10.20	.80	.68	.13
20	1.50	1.75	16.72	12.32	14.05	14.65	13.65	16.52	9.35	.78	.54	.78
21	1.78	1.80	16.85	12.22	13.70	15.09	14.09	16.61	9.08	.72	.69	1.58
22	2.12	1.98	17.32	12.00	13.60	15.00	14.40	16.29	8.60	.64	.97	2.20
23	1.98	2.68	17.55	11.85	13.50	15.30	13.80	15.96	7.71	.61	1.05	2.42
24	1.66	4.00	17.65	12.18	13.45	15.00	12.20	15.61	6.90	.64	.80	2.25
25	1.30	7.15	17.49	12.68	13.50	14.38	11.30	15.39	6.35	.58	.58	2.00
26	1.09	8.40	17.30	12.90	14.08	14.15	9.98	14.90	5.88	.53	.25	2.20
27	1.12	9.40	16.90	12.88	14.70	14.30	8.70	14.60	5.50	.47	.15	2.60
28	1.22	10.40	16.48	12.60	15.00	13.90	8.31	14.54	5.22	.42	.12	3.00
29	1.21	10.90	16.02	12.05	---	13.20	8.31	14.45	5.00	1.00	.28	2.42
30	1.38	10.80	15.50	11.28	---	12.42	9.30	14.33	4.70	1.42	.33	1.95
31	1.42	---	15.35	10.05	---	11.65	---	14.32	---	1.71	.20	---
MAX	8.28	10.90	17.65	15.20	15.00	17.00	14.40	17.44	14.32	4.20	3.42	3.00
MIN	1.09	.70	7.38	10.05	7.70	11.65	8.31	10.10	4.70	.42	.12	-.85

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.

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 1992 TO SEPTEMBER 1993

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 1992										
28...	1630	884	7.90	20.5	15	4.9	10.2	29	3.1	440
NOV										
19...	1245	690	8.14	15.0	20	18	10.4	27	3.2	--
DEC										
18...	1110	355	8.12	8.5	40	140	10.0	25	3.5	7600
JAN 1993										
14...	1220	430	7.49	8.5	40	55	11.6	27	3.5	5000
FEB										
17...	1155	645	7.81	9.5	15	40	12.0	25	--	2600
MAR										
16...	1200	782	7.91	12.0	40	120	10.8	15	1.6	2600
APR										
14...	0705	644	7.90	17.0	30	85	9.1	24	1.9	K1300
MAY										
11...	1050	877	7.91	21.0	5	85	8.5	22	1.3	K230
JUN										
24...	1100	628	7.67	28.0	10	110	7.0	22	1.1	2300
JUL										
22...	1330	866	8.00	32.0	10	2.0	8.4	59	3.5	K25
AUG										
18...	1300	885	8.32	33.0	5	7.0	7.6	20	2.1	K40
SEP										
16...	1145	951	8.22	21.5	10	9.0	7.0	20	1.5	K150

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

RED RIVER BASIN

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

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

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)
OCT 1992										
28...	K62	K34	260	71	20	84	4.3	166	100	120
NOV										
19...	120	K25	200	55	15	63	4.0	144	73	85
DEC										
18...	1400	2100	91	26	6.4	30	3.1	62	40	43
JAN 1993										
14...	K120	K110	100	29	7.8	42	2.8	61	56	58
FEB										
17...	K220	K150	160	45	12	60	3.3	93	79	87
MAR										
16...	K100	K86	200	52	16	75	3.1	106	110	110
APR										
14...	K330	<20	180	48	14	61	3.2	107	89	89
MAY										
11...	--	K160	230	61	20	84	3.3	120	130	130
JUN										
24...	--	K60	180	49	14	52	3.5	115	86	78
JUL										
22...	K10	K16	260	78	16	71	4.1	191	110	92
AUG										
18...	K5	K10	270	71	23	78	3.9	165	130	100
SEP										
16...	K10	420	290	75	24	80	4.3	192	120	110

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1992									
28...	510	34	<0.01	<0.02	0.80	0.80	0.09	0.04	8.0
NOV									
19...	406	106	0.01	<0.02	0.74	0.74	0.06	0.04	--
DEC									
18...	202	290	0.03	0.17	0.88	1.0	0.27	0.19	6.9
JAN 1993									
14...	254	62	0.01	0.24	0.46	0.70	0.16	0.06	6.1
FEB									
17...	372	122	0.02	0.34	0.58	0.92	0.05	0.04	7.0
MAR									
16...	444	88	0.02	0.41	0.85	1.3	0.26	0.06	7.8
APR									
14...	390	114	0.01	0.33	0.35	0.68	0.12	0.05	7.8
MAY									
11...	528	270	0.01	0.39	0.57	0.96	0.10	0.05	6.7
JUN									
24...	382	240	0.03	0.40	0.73	1.1	0.22	0.22	8.0
JUL									
22...	510	4	<0.01	<0.02	0.80	0.80	0.05	0.03	8.3
AUG									
18...	534	44	<0.01	<0.02	0.80	0.80	0.07	0.02	5.9
SEP									
16...	566	36	0.01	<0.02	0.92	0.92	0.06	0.04	9.3

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 1992 TO SEPTEMBER 1993

		ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	
OCT 1992										
28...		1	<1	<1	2	6	720	1	140	
JAN 1993										
14...		1	2	<1	4	9	1900	2	61	
APR										
14...		4	<1	<1	5	6	3900	3	160	
JUL										
22...		1	<10	<1	<1	1	230	2	150	
DATE		MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)		
OCT 1992										
28...		0.1	3	<1	10	0.01	<1	<1		
JAN 1993										
14...		<0.1	3	<1	10	<0.01	4	<1		
APR										
14...		<0.1	7	<1	20	<0.01	<1	<1		
JUL										
22...		<0.1	<1	<1	<10	<0.01	<1	2		
DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
OCT 1992										
28...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC										
18...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB										
17...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR										
14...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN										
24...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	
OCT 1992										
28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
DEC										
18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
FEB										
17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
APR										
14...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
JUN										
24...	<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

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

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

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 1992									
28...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
DEC									
18...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
FEB									
17...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
APR									
14...	<0.01	<0.01	<0.01	<0.0	<0.01	<0.5	<0.5	<0.5	<0.5
JUN									
24...	<0.01	<0.01	<0.01	<0.5	<0.01	1.0	<0.5	<0.5	1.0

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

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA

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

DRAINAGE AREA.--3,137 mi².

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

REVISED RECORDS.--WSP 1211: Drainage area.

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

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

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

REMARKS.--Estimated daily discharges. Indefinite stage-discharge relationship: Sept. 8-16. No base gage height: July 17 to Aug. 4. Records fair. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft of which 587,0200 acre-ft are available for storage) since August 1957. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--51 years, 3,310 ft³/s, 1,914,000 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 10,800 ft³/s, Jan. 21; minimum daily discharge, 11 ft³/s, Sept. 12, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1630	487	3150	6220	7800	6760	7340	2130	899	5080	e60	21
2	1710	652	3250	5940	7260	8240	6260	2070	890	4470	e85	17
3	1680	605	3100	5720	6990	8290	5410	1990	847	3840	e117	14
4	1680	684	3300	6500	6740	8070	5090	1600	843	3290	e250	13
5	1590	616	3140	7390	6470	7880	4810	1530	804	2850	186	15
6	1380	531	3420	7040	6270	7660	4060	1560	802	2410	152	14
7	1160	538	3300	6770	5980	7520	3500	1560	800	2050	230	e14
8	1120	540	2990	6940	5760	7190	4840	1400	803	1720	520	e13
9	823	537	2910	7200	5550	7020	4890	1300	777	1400	612	e13
10	688	584	2830	8560	5440	6850	4290	1590	743	1120	571	e12
11	598	609	2430	8840	5680	6460	4090	1330	718	1020	509	e12
12	520	926	2040	9350	5830	6630	3860	1320	734	858	467	e11
13	431	852	1790	9670	5420	7590	3710	1340	709	687	422	e12
14	336	817	1750	9600	5300	6810	3760	1370	680	564	373	e13
15	268	773	5130	9510	5250	5950	4830	1280	673	454	333	e12
16	389	749	7540	9370	7220	6880	4450	1150	660	399	287	e11
17	280	741	7460	9110	7350	9370	4120	1110	596	e350	240	12
18	299	757	7520	9200	7120	8890	3930	1130	581	e300	187	14
19	258	755	8150	10100	6860	8370	3720	1160	553	e250	159	15
20	239	930	9060	10600	6980	8520	3730	1150	1070	e200	137	14
21	219	1080	9890	10800	7270	9630	3560	1160	2700	e150	94	13
22	191	1940	10400	10800	6750	9940	3360	1140	3610	e110	69	17
23	163	1800	10600	10600	6440	9880	3310	1110	4190	e90	59	22
24	156	1840	10300	10400	6030	9380	3310	1100	4750	e80	45	19
25	143	2320	9750	9960	6420	9270	3330	1090	5460	e70	36	15
26	130	2380	9030	9680	7430	9120	3310	1060	6950	e65	32	48
27	119	2490	8400	9370	7120	8670	3050	1030	7180	e60	26	43
28	86	2620	7810	9050	7010	8380	2840	970	6810	e55	22	44
29	75	2780	7310	8740	---	8050	2650	962	6250	e50	20	38
30	279	3120	6910	8440	---	7570	2450	936	5690	e45	20	29
31	328	---	6660	8190	---	7770	---	917	---	e45	19	---
TOTAL	18968	36053	181320	269660	181740	248610	121860	40545	68772	34132	6339	560
MEAN	612	1202	5849	8699	6491	8020	4062	1308	2292	1101	204	18.7
MAX	1710	3120	10600	10800	7800	9940	7340	2130	7180	5080	612	48
MIN	75	487	1750	5720	5250	5950	2450	917	553	45	19	11
AC-FT	37620	71510	359600	534900	360500	493100	241700	80420	136400	67700	12570	1110

CAL YR 1992 TOTAL 1176466 MEAN 3214 MAX 10600 MIN 75 AC-FT 2334000
WTR YR 1993 TOTAL 1208559 MEAN 3311 MAX 10800 MIN 11 AC-FT 2397000

e Estimated

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.11	6.31	13.81	20.06	19.78	20.76	19.91	12.03	13.96	15.61	---	4.65
2	10.07	6.87	13.80	19.61	18.98	22.62	18.38	12.24	13.83	14.70	---	4.63
3	9.97	6.68	13.52	19.13	18.58	22.87	17.01	12.32	13.49	13.78	---	4.62
4	9.84	6.96	13.71	19.54	18.19	23.10	16.24	12.41	13.32	12.86	---	4.61
5	9.48	6.73	13.37	20.56	17.78	22.98	16.00	12.52	13.08	12.02	5.22	4.62
6	8.96	6.44	13.54	20.00	17.47	22.38	15.43	12.09	12.87	11.24	5.09	4.61
7	8.38	6.45	13.28	19.96	17.07	22.03	15.19	11.50	12.97	10.55	5.40	4.54
8	8.28	6.46	12.68	20.11	16.77	21.93	17.34	11.06	13.01	9.82	6.39	4.18
9	7.41	6.45	12.40	20.13	16.54	21.91	17.57	11.19	12.80	9.03	6.73	3.85
10	6.96	6.60	12.12	21.96	16.42	21.51	17.05	12.54	12.35	8.31	6.60	3.83
11	6.67	6.69	11.32	22.08	16.73	20.50	16.19	13.31	12.08	8.01	6.39	3.98
12	6.40	7.68	10.66	22.77	16.82	20.60	15.50	15.70	12.11	7.53	6.25	4.10
13	6.13	7.51	10.29	23.12	16.19	21.02	14.89	17.24	12.06	6.94	6.11	4.23
14	5.81	7.39	10.29	22.98	16.02	19.78	14.57	17.37	11.87	6.50	5.95	4.38
15	5.58	7.25	15.90	22.86	16.34	18.85	15.96	15.53	11.92	6.14	5.81	4.52
16	5.98	7.17	19.86	22.70	19.28	20.42	15.13	14.62	11.75	5.94	5.66	4.58
17	5.62	7.14	21.09	22.22	19.25	23.02	14.85	14.62	10.97	---	5.49	4.60
18	5.68	7.19	21.95	22.31	19.60	22.18	15.48	15.06	10.72	---	5.30	4.61
19	5.54	7.19	22.93	23.81	19.98	21.82	16.19	15.70	10.29	---	5.19	4.62
20	5.47	7.72	24.08	24.62	20.19	22.49	16.78	16.10	11.03	---	5.09	4.62
21	5.40	8.14	24.93	24.90	20.34	23.93	16.98	16.22	14.96	---	4.95	4.61
22	5.30	10.26	25.64	24.78	19.65	24.38	17.06	15.96	16.07	---	4.85	4.64
23	5.19	9.99	26.13	24.47	19.33	24.45	16.80	15.47	16.06	---	4.81	4.66
24	5.15	10.05	25.84	24.31	19.00	24.01	16.13	15.32	16.14	---	4.75	4.66
25	5.09	11.01	25.23	23.73	19.68	23.64	15.21	15.25	16.61	---	4.72	4.64
26	5.03	11.24	24.40	23.31	20.71	23.10	14.26	15.07	18.48	---	4.70	4.78
27	5.00	11.84	23.58	22.72	20.63	22.55	13.20	14.59	18.81	---	4.68	4.76
28	4.91	12.62	22.69	22.20	20.75	22.07	12.42	14.20	18.17	---	4.66	4.77
29	4.86	13.22	21.79	21.68	---	21.43	11.93	14.19	17.34	---	4.65	4.75
30	5.61	13.86	21.08	21.07	---	20.88	11.81	14.10	16.51	---	4.65	4.72
31	5.78	---	20.66	20.48	---	20.87	---	13.95	---	---	4.64	---
MAX	10.11	13.86	26.13	24.90	20.75	24.45	19.91	17.37	18.81	---	---	4.78
MIN	4.86	6.31	10.29	19.13	16.02	18.85	11.81	11.06	10.29	---	---	3.83

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1953-55, 1958-60, 1969-70, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1981.

WATER TEMPERATURES: April 1978 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,970 micromhos Oct. 20, 1980; minimum daily, 76 micromhos Feb. 12, 1980.

WATER TEMPERATURES: Maximum daily, 36.0 °C June 27, 1978; minimum daily, 4.0 °C Jan. 14, Feb. 7, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 1.5 °C was observed Jan. 19, 1984.

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

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)
OCT 1992 29...	0655	75	333	7.38	20.0	5	3.3	8.5	2.1	K14	220	79
JAN 1993 15...	0830	9510	110	6.66	8.5	50	13	11.0	3.1	K33	K48	21
APR 14...	0900	3760	139	7.19	19.0	40	12	9.1	2.1	K40	K200	31
JUL 22...	1445	e 110	501	7.01	33.0	5	4.8	7.0	0.6	K3	K160	130
DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992 29...	16	9.5	32	3.1	51	28	57	<0.1	8.0	196	185	0.01
JAN 1993 15...	4.2	2.5	9.9	3.0	12	14	15	<0.1	11	80	65	--
APR 14...	7.1	3.3	13	2.1	19	13	21	<0.1	4.2	95	75	--
JUL 22...	27	15	46	2.7	65	50	75	0.1	11	293	265	--
DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS Al)	BARIUM, DIS-SOLVED (UG/L AS Ba)	COBALT, DIS-SOLVED (UG/L AS Co)
OCT 1992 29...	<0.01	<0.05	<0.05	0.03	0.02	0.7	0.05	<0.01	<0.01	<10	73	<3
JAN 1993 15...	<0.01	--	0.06	--	0.03	0.5	0.05	0.02	<0.01	40	41	<3
APR 14...	<0.01	--	<0.05	--	0.03	0.5	0.03	0.01	<0.01	60	54	<3
JUL 22...	0.01	--	<0.05	--	0.02	0.8	0.03	<0.01	<0.01	10	96	<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).

e Estimated

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

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

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992 29...	4	7	60	<10	1	<1	<1	260	<6	22	4.5	83
JAN 1993 15...	280	5	24	<10	2	<1	<1	69	<6	42	1100	54
APR 14...	570	6	17	<10	2	<1	<1	110	<6	22	220	92
JUL 22...	43	8	93	<10	<1	<1	<1	360	<6	--	--	--

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

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

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

DRAINAGE AREA.--605 mi².

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

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

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

REMARKS.--Estimated daily discharges. Records good above 200 ft³/s and fair below. Several measurements of water temperature were made during the year.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)					
Jan. 22	1230	*2,800	*13.45	No other peak greater than base discharge.								
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993 MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	25	118	253	794	545	750	250	74	391	1.5	1.2
2	139	41	99	215	618	777	596	240	56	181	1.4	2.1
3	138	35	89	203	465	878	534	212	44	111	1.9	2.1
4	138	32	81	280	363	946	531	182	32	67	2.7	1.7
5	138	45	74	547	314	996	531	161	24	40	6.9	1.5
6	137	38	69	591	287	960	512	142	20	25	36	1.5
7	136	73	68	682	267	788	514	118	20	15	176	1.4
8	132	109	67	800	248	598	917	105	16	9.6	187	1.3
9	129	101	99	854	233	484	1120	106	13	6.7	136	1.3
10	121	63	137	968	224	384	1540	122	12	5.1	227	1.3
11	75	40	132	1020	223	297	2010	132	19	4.3	313	1.3
12	25	41	163	1060	218	278	2070	150	90	3.9	200	1.2
13	7.9	43	190	1080	225	271	1840	136	18	3.7	73	1.2
14	4.1	38	176	1060	248	244	1590	123	11	3.8	28	1.7
15	3.8	53	425	938	277	237	1690	123	11	3.7	15	2.6
16	8.1	53	835	810	398	555	1600	157	11	3.1	10	2.3
17	8.2	48	890	712	411	1080	1500	172	10	2.7	7.1	2.1
18	7.1	41	970	950	482	1200	1490	168	8.8	2.5	5.2	2.0
19	6.6	36	1070	1490	538	1420	1500	e250	8.1	2.3	4.3	2.0
20	6.2	64	1160	1910	527	1800	1370	e200	122	2.1	3.8	2.0
21	5.8	102	1080	2410	480	2010	1200	e180	270	1.9	3.4	2.2
22	5.7	201	924	2770	424	1970	1000	e160	295	1.9	3.1	2.2
23	5.8	246	820	2650	364	1990	737	e140	712	1.9	2.4	2.0
24	5.7	271	785	2410	298	2060	476	e180	1180	1.7	1.9	1.8
25	5.2	310	748	2180	291	1960	343	e300	1650	1.5	1.7	1.6
26	4.9	297	712	2080	378	1710	327	279	1950	1.3	1.4	6.3
27	6.1	254	686	2000	412	1490	271	253	2030	1.2	1.2	6.3
28	7.7	209	666	1860	483	1370	234	280	1770	1.2	1.2	2.2
29	8.9	175	604	1580	---	1250	236	239	1320	1.2	1.2	1.7
30	25	144	479	1220	---	1110	249	172	833	1.5	1.2	1.6
31	19	---	342	973	---	970	---	108	---	1.6	1.2	---
TOTAL	1598.8	3228	14758	38556	10490	32628	29278	5540	12629.9	900.4	1455.7	61.7
MEAN	51.6	108	476	1244	375	1053	976	179	421	29.0	47.0	2.06
MAX	139	310	1160	2770	794	2060	2070	300	2030	391	313	6.3
MIN	3.8	25	67	203	218	237	234	105	8.1	1.2	1.2	1.2
AC-FT	3170	6400	29270	76480	20810	64720	58070	10990	25050	1790	2890	122
CFSM	.09	.18	.79	2.06	.62	1.74	1.61	.30	.70	.05	.08	.00
IN.	.10	.20	.91	2.37	.65	2.01	1.80	.34	.78	.06	.09	.00

e Estimated

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1993, BY WATER YEAR (WY)

MEAN	110	280	772	922	1168	1151	1236	835	394	209	57.9	112
MAX	1569	1351	3223	3061	3187	3586	4646	3707	3262	2937	420	2533
(WY)	1985	1975	1974	1991	1975	1990	1991	1991	1974	1989	1979	1974
MIN	1.39	2.93	28.8	35.5	107	146	149	22.3	3.10	1.58	1.73	1.48
(WY)	1984	1968	1990	1981	1981	1967	1987	1988	1988	1964	1969	1987

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR			FOR 1993 WATER YEAR			WATER YEARS 1958 - 1993		
ANNUAL TOTAL	219197.0			151124.5					
ANNUAL MEAN	599			414			601		
HIGHEST ANNUAL MEAN							1551		
LOWEST ANNUAL MEAN							129		
HIGHEST DAILY MEAN	10100	Mar	12	2770	Jan	22	35000	Apr	28
LOWEST DAILY MEAN	2.9	Aug	31	1.2	Jul	27	.00	Oct	10-14
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug	25	1.2	Aug	26	.07	Oct	8
INSTANTANEOUS PEAK FLOW				2800	Jan	22	36400	Apr	28
INSTANTANEOUS PEAK STAGE				13.45	Jan	22	22.79	Apr	28
INSTANTANEOUS LOW FLOW				1.1	Jul	29, Sep 1	.00	Oct	10-14
INSTANTANEOUS LOW STAGE				3.96	Sep	1			
ANNUAL RUNOFF (AC-FT)	434800			299800			435200		
ANNUAL RUNOFF (CFSM)	.99			.68			.99		
ANNUAL RUNOFF (INCHES)	13.48			9.29			13.49		
10 PERCENT EXCEEDS	1430			1340			1620		
50 PERCENT EXCEEDS	148			160			129		
90 PERCENT EXCEEDS	6.8			1.9			3.0		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.64	4.96	6.33	7.82	10.73	9.83	10.60	7.79	5.74	8.85	4.11	3.97
2	6.63	5.31	6.05	7.46	10.14	10.68	10.07	7.70	5.48	7.19	4.09	4.15
3	6.62	5.18	5.91	7.35	9.37	10.98	9.78	7.44	5.25	6.40	4.18	4.15
4	6.62	5.13	5.80	7.98	8.71	11.17	9.76	7.13	5.01	5.84	4.29	4.08
5	6.62	5.38	5.70	9.85	8.34	11.30	9.76	6.90	4.83	5.41	4.61	4.06
6	6.61	5.25	5.63	10.06	8.12	11.20	9.66	6.66	4.74	5.11	5.19	4.05
7	6.60	5.78	5.62	10.38	7.94	10.72	9.65	6.33	4.74	4.89	7.15	4.03
8	6.55	6.26	5.59	10.76	7.78	10.07	11.08	6.15	4.64	4.72	7.26	4.02
9	6.51	6.16	6.05	10.91	7.63	9.49	11.61	6.16	4.58	4.60	6.74	4.02
10	6.42	5.66	6.60	11.23	7.56	8.85	12.30	6.39	4.55	4.51	7.62	4.01
11	5.81	5.30	6.52	11.36	7.55	8.19	12.82	6.52	4.71	4.46	8.33	4.01
12	4.96	5.31	6.91	11.45	7.49	8.04	12.87	6.76	6.00	4.42	7.35	4.00
13	4.50	5.34	7.22	11.50	7.56	7.98	12.65	6.59	4.75	4.41	5.90	3.98
14	4.26	5.25	7.07	11.44	7.77	7.74	12.37	6.41	4.57	4.42	5.15	4.12
15	4.24	5.52	8.86	11.14	8.02	7.67	12.49	6.41	4.57	4.40	4.85	4.32
16	4.50	5.52	10.86	10.79	8.95	9.52	12.38	6.85	4.59	4.35	4.70	4.28
17	4.52	5.43	11.02	10.48	9.04	11.50	12.26	7.02	4.55	4.30	4.57	4.26
18	4.47	5.31	11.23	11.12	9.48	11.77	12.25	6.98	4.51	4.27	4.46	4.24
19	4.45	5.21	11.48	12.24	9.80	12.15	12.26	---	4.49	4.24	4.39	4.24
20	4.42	5.64	11.68	12.72	9.74	12.60	12.09	---	6.18	4.21	4.35	4.24
21	4.40	6.16	11.51	13.16	9.46	12.82	11.77	---	7.96	4.18	4.31	4.27
22	4.39	7.30	11.11	13.43	9.12	12.78	11.31	---	8.14	4.19	4.28	4.27
23	4.40	7.76	10.81	13.34	8.71	12.80	10.55	---	10.43	4.19	4.20	4.23
24	4.39	7.98	10.71	13.17	8.20	12.87	9.43	---	11.72	4.15	4.13	4.20
25	4.36	8.30	10.60	12.98	8.14	12.77	8.55	---	12.44	4.12	4.09	4.18
26	4.33	8.20	10.48	12.89	8.81	12.51	8.43	8.05	12.77	4.08	4.04	4.54
27	4.41	7.82	10.40	12.81	9.05	12.25	7.98	7.81	12.84	4.06	4.00	4.64
28	4.51	7.40	10.33	12.67	9.48	12.09	7.65	8.05	12.58	4.04	3.98	4.34
29	4.55	7.05	10.10	12.36	---	11.88	7.66	7.69	11.98	4.05	3.99	4.27
30	4.97	6.68	9.45	11.82	---	11.57	7.79	7.02	10.82	4.10	3.98	4.25
31	4.85	---	8.54	11.24	---	11.23	---	6.21	---	4.14	3.98	---
MAX	6.64	8.30	11.68	13.43	10.73	12.87	12.87	---	12.84	8.85	8.33	4.64
MIN	4.24	4.96	5.59	7.35	7.49	7.67	7.65	---	4.49	4.04	3.98	3.97

RED RIVER BASIN

07349000 BAYOU DORCHEAT NEAR MINDEN, LA

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

DRAINAGE AREA.--1,097 mi².

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

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

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

REMARKS.--Gage heights affected by Lake Bistineau.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height unknown; minimum gage height, 6.72 ft, Sept. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.24	7.43	7.55	8.72	---	8.86	10.63	7.88	7.49	10.39	7.00	7.01
2	7.25	7.45	7.49	8.46	10.82	9.53	10.19	7.86	7.46	10.08	6.97	7.00
3	7.25	7.42	7.47	8.19	10.22	10.41	9.80	7.84	7.44	9.50	6.97	6.98
4	7.25	7.37	7.42	8.10	9.60	11.02	9.42	7.78	7.41	8.55	6.99	6.95
5	7.25	7.34	7.36	8.25	9.06	11.28	9.03	7.72	7.35	7.96	7.00	6.94
6	7.25	7.32	7.39	8.49	8.61	11.38	8.73	7.65	7.34	7.72	7.00	6.92
7	7.27	7.31	7.36	8.80	8.28	11.28	8.75	7.61	7.34	7.59	7.13	6.89
8	7.25	7.31	7.36	9.11	8.09	10.96	10.24	7.57	7.32	7.50	7.22	6.88
9	7.25	7.30	7.44	9.37	7.97	10.47	11.11	7.53	7.29	7.43	7.22	6.86
10	7.24	7.29	7.47	9.91	7.89	9.89	11.73	7.57	7.26	7.43	7.21	6.85
11	7.24	7.30	7.50	10.11	7.85	9.27	12.11	7.58	7.25	7.51	7.23	6.83
12	7.25	7.38	7.51	10.29	7.81	9.01	12.32	7.60	7.28	7.45	7.24	6.84
13	7.26	7.36	7.53	---	7.77	9.02	12.36	7.68	7.27	7.40	7.25	6.83
14	7.28	7.36	7.54	---	7.74	9.02	12.27	7.79	7.28	7.35	7.28	6.86
15	7.26	7.34	8.08	---	8.13	9.00	12.34	7.92	7.30	7.32	7.27	6.83
16	7.29	7.33	8.89	---	10.15	9.28	12.26	8.01	7.31	7.30	7.24	6.82
17	7.26	7.33	9.18	---	10.35	10.32	12.16	8.04	7.29	7.27	7.22	6.82
18	7.24	7.31	9.40	---	10.24	10.87	12.04	8.05	7.26	7.25	7.20	6.81
19	7.23	7.31	9.65	---	10.12	11.20	11.86	8.12	7.26	7.23	7.19	6.81
20	7.23	7.57	10.22	---	9.86	11.56	11.58	8.04	7.52	7.21	7.17	6.81
21	7.22	7.66	10.58	---	9.48	12.00	11.20	7.82	7.89	7.19	7.16	6.80
22	7.21	7.76	10.67	---	9.09	12.29	10.80	7.71	8.38	7.18	7.15	6.80
23	7.20	7.74	10.72	---	8.80	12.38	10.46	7.64	8.78	7.17	7.13	6.79
24	7.20	7.78	10.73	---	8.55	12.39	10.12	7.53	9.29	7.15	7.11	6.79
25	7.20	7.79	10.63	---	8.48	12.38	9.73	7.49	9.31	7.13	7.08	6.79
26	7.20	7.72	10.44	---	8.66	12.38	9.24	7.45	9.80	7.10	7.06	6.84
27	7.19	7.67	10.17	---	8.79	12.35	8.67	7.45	10.31	7.08	7.04	6.89
28	7.19	7.65	9.87	---	8.82	12.20	8.26	7.51	10.47	7.07	7.03	6.91
29	7.20	7.62	9.56	---	---	11.89	8.06	7.60	10.56	7.04	7.03	6.89
30	7.39	7.59	9.25	---	---	11.49	7.95	7.61	10.53	7.02	7.01	6.88
31	7.39	---	8.98	---	---	11.07	---	7.56	---	7.01	7.00	---
MAX	7.39	7.79	10.73	---	---	12.39	12.36	8.12	10.56	10.39	7.28	7.01
MIN	7.19	7.29	7.36	---	---	8.86	7.95	7.45	7.25	7.01	6.97	6.79

RED RIVER BASIN

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

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

DRAINAGE AREA.--1,443 mi².

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.33 ft, Feb. 17; minimum, 10.50 ft, Sept. 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.03	11.17	11.20	11.57	11.87	11.59	11.69	11.41	11.19	11.80	10.78	10.82
2	11.03	11.16	11.20	11.50	11.83	11.72	11.63	11.40	11.14	11.74	10.77	10.80
3	11.02	11.15	11.17	11.45	11.77	11.80	11.56	11.36	11.11	11.68	10.77	10.78
4	11.02	11.18	11.19	11.47	11.71	11.84	11.68	11.33	11.10	11.60	10.80	10.76
5	11.02	11.13	11.18	11.53	11.66	11.85	12.06	11.30	11.11	11.47	10.78	10.74
6	11.02	11.10	11.14	11.51	11.60	11.85	11.58	11.28	11.08	11.38	10.78	10.73
7	11.00	11.08	11.14	11.53	11.52	11.85	11.64	11.26	11.04	11.31	10.94	10.71
8	11.01	11.06	11.12	11.57	11.46	11.82	12.04	11.22	11.03	11.24	11.03	10.69
9	11.00	11.05	11.16	11.60	11.41	11.78	12.10	11.21	11.03	11.20	11.02	10.68
10	11.01	11.05	11.19	11.73	11.38	11.81	12.06	11.26	11.03	11.20	11.01	10.66
11	11.01	11.06	11.19	11.78	11.35	11.78	12.04	11.23	11.04	11.28	11.00	10.63
12	10.99	11.13	11.19	11.77	11.33	11.71	12.01	11.24	11.08	11.22	11.00	10.59
13	10.99	11.13	11.19	11.77	11.31	11.67	11.99	11.24	11.08	11.16	11.00	10.58
14	10.97	11.11	11.18	11.75	11.30	11.85	11.99	11.24	11.08	11.12	11.01	10.62
15	10.99	11.10	11.40	11.72	11.44	11.98	12.10	11.25	11.07	11.09	11.02	10.67
16	11.08	11.09	11.62	11.69	12.17	11.99	12.10	11.25	11.07	11.07	11.02	10.64
17	11.08	11.08	11.66	11.67	12.29	11.98	12.05	11.27	11.06	11.05	11.01	10.62
18	11.05	11.08	11.64	11.80	12.14	12.01	12.00	11.33	11.04	11.03	11.00	10.61
19	11.02	11.07	11.63	11.97	11.98	12.01	11.91	11.47	11.06	11.02	10.98	10.60
20	11.00	11.26	11.74	11.96	11.86	12.02	11.98	11.42	11.28	11.00	10.97	10.60
21	11.00	11.31	11.78	11.95	11.77	12.02	11.94	11.56	11.53	10.98	10.95	10.60
22	10.99	11.29	11.79	11.95	11.71	12.02	11.84	11.31	11.80	10.96	10.93	10.58
23	10.99	11.32	11.82	11.93	11.64	11.99	11.75	11.27	11.82	10.94	10.91	10.57
24	10.98	11.32	11.83	12.02	11.57	11.97	11.71	11.27	11.81	10.91	10.89	10.56
25	10.98	11.29	11.81	12.04	11.56	11.96	11.73	11.26	11.78	10.90	10.88	10.54
26	10.97	11.29	11.80	12.05	11.63	11.94	11.69	11.25	11.84	10.89	10.87	10.63
27	10.97	11.26	11.75	12.04	11.60	11.91	11.61	11.20	12.10	10.87	10.85	10.69
28	10.97	11.24	11.71	12.03	11.58	11.87	11.52	11.20	12.11	10.86	10.83	10.67
29	10.97	11.23	11.67	12.02	---	11.83	11.45	11.20	12.00	10.85	10.82	10.68
30	11.15	11.22	11.63	11.97	---	11.75	11.42	11.20	11.88	10.83	10.81	10.67
31	11.14	---	11.60	11.91	---	11.71	---	11.21	---	10.81	10.80	---
MAX	11.15	11.32	11.83	12.05	12.29	12.02	12.10	11.56	12.11	11.80	11.03	10.82
MIN	10.97	11.05	11.12	11.45	11.30	11.59	11.42	11.20	11.03	10.81	10.77	10.54

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, 1,990 ft³/s, Jan. 21, gage height, 14.43 ft; minimum gage height, 1.83 ft, Aug. 28.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.47	---	6.68	9.77	12.13	9.39	12.21	7.02	6.77	5.03	6.36	1.99
2	2.47	---	6.63	9.71	11.95	10.27	11.60	6.96	7.01	3.27	6.49	2.01
3	2.47	---	6.57	9.64	11.67	10.50	10.91	6.90	7.16	2.68	6.62	1.99
4	2.47	6.26	6.52	9.92	11.30	10.65	10.21	6.81	7.14	2.52	6.71	2.04
5	2.47	6.31	6.46	10.38	10.81	10.53	9.53	6.72	7.06	2.48	6.94	2.03
6	2.47	6.32	6.42	10.57	10.38	10.21	9.01	6.63	6.98	2.39	7.14	2.02
7	2.47	6.29	6.40	10.74	9.95	9.83	8.90	6.53	6.89	2.53	6.95	2.03
8	2.47	6.32	6.35	10.80	9.66	9.48	10.39	6.14	6.79	4.86	6.79	1.98
9	2.46	6.42	6.48	10.76	9.47	9.19	10.98	5.73	6.68	5.62	6.79	1.95
10	2.45	6.44	6.58	11.03	9.34	8.97	11.45	6.03	6.58	5.69	6.72	1.97
11	2.45	6.43	6.63	11.24	9.28	8.86	11.52	6.08	6.61	5.64	6.57	1.95
12	2.45	6.52	6.56	11.48	9.17	9.06	11.24	5.97	6.76	5.56	6.40	1.97
13	2.45	6.52	6.43	11.59	9.07	9.22	10.83	5.85	6.63	5.51	6.25	1.97
14	2.45	6.58	6.33	11.52	8.95	9.14	10.61	5.68	6.49	5.84	6.15	2.19
15	2.72	6.67	7.83	11.29	9.07	9.01	11.17	5.13	6.35	6.07	6.21	2.29
16	3.19	6.66	9.24	10.97	9.60	9.97	11.69	4.72	6.24	6.07	6.26	2.28
17	3.19	6.59	10.01	10.66	9.55	11.39	12.11	4.61	6.14	6.01	6.24	2.22
18	3.20	6.51	10.30	11.39	9.44	11.80	12.06	4.59	6.03	5.93	6.33	2.17
19	3.26	6.45	10.16	12.69	9.25	11.60	11.65	4.57	5.94	5.85	6.37	2.18
20	3.26	6.54	9.74	13.88	9.04	11.33	11.09	4.55	7.03	5.86	6.32	2.20
21	3.26	6.60	9.37	14.40	8.85	11.03	10.54	4.61	8.64	6.19	6.22	2.24
22	3.26	7.04	9.43	14.29	8.69	10.96	10.24	5.66	9.55	6.31	6.11	2.38
23	3.26	7.20	9.81	13.88	8.58	11.45	10.07	6.16	9.30	6.29	6.00	2.31
24	3.27	7.34	9.98	13.39	8.52	12.10	9.76	6.26	8.50	6.23	5.74	2.32
25	3.27	7.28	9.99	12.87	8.71	12.66	9.28	6.46	7.61	6.15	4.24	2.40
26	3.27	7.14	9.97	12.45	9.08	12.87	8.88	6.63	7.38	6.06	2.75	2.75
27	---	7.00	9.90	12.27	9.25	12.86	8.62	6.60	6.88	6.00	2.26	2.84
28	---	6.91	9.85	12.33	9.33	12.79	8.27	6.83	6.59	6.11	1.97	2.50
29	---	6.82	9.83	12.37	---	12.65	7.79	7.02	6.43	6.19	1.91	2.26
30	---	6.75	9.82	12.33	---	12.54	7.35	6.94	6.25	6.19	1.91	2.12
31	---	---	9.80	12.25	---	12.60	---	6.81	---	6.14	1.90	---
MAX	---	---	10.30	14.40	12.13	12.87	12.21	7.02	9.55	6.31	7.14	2.84
MIN	---	---	6.33	9.64	8.52	8.86	7.35	4.55	5.94	2.39	1.90	1.95

RED RIVER BASIN

07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

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

DRAINAGE AREA.--163 mi².

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

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

REMARKS.--Reservoir is formed by a 6,000-ft earthfill dam on Cypress Bayou. The 250-ft concrete spillway with rest at 9.60 ft, gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft. A 6- by 6-ft sluice gate with sill at -15.5 ft, gage datum, is located at diversion structure 4,500 ft northwest of spillway. Water from Cypress Bayou Lake is diverted into Black Bayou Lake by way of this structure. Dam completed and storage began in 1975. Reservoir is used for flood control, conservation, and recreation. Gates were open Oct. 1-28.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.48 ft, Mar. 20; minimum, 8.32 ft, Sept. 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.50	9.53	9.65	9.80	9.83	10.05	10.01	9.71	9.51	9.78	9.03	8.70
2	9.48	9.55	9.64	9.77	9.80	10.33	9.95	9.72	9.48	9.72	9.01	8.68
3	9.47	9.56	9.61	9.75	9.78	10.34	9.90	9.70	9.46	9.67	9.00	8.66
4	9.45	9.57	9.63	9.83	9.77	10.31	9.88	9.69	9.44	9.62	9.00	8.64
5	9.44	9.56	9.62	9.95	9.76	10.24	9.86	9.67	9.44	9.58	8.98	8.61
6	9.43	9.55	9.61	10.01	9.76	10.14	9.84	9.67	9.42	9.56	8.97	8.59
7	9.41	9.54	9.61	10.05	9.74	10.05	9.91	9.66	9.39	9.54	9.04	8.57
8	9.42	9.54	9.60	10.07	9.73	9.97	10.22	9.63	9.37	9.53	9.06	8.55
9	9.39	9.53	9.66	10.08	9.72	9.90	10.26	9.63	9.36	9.51	9.05	8.53
10	9.39	9.53	9.69	10.18	9.72	9.87	10.26	9.70	9.35	9.49	9.04	8.51
11	9.37	9.55	9.71	10.19	9.74	9.82	10.24	9.69	9.34	9.47	9.03	8.48
12	9.36	9.60	9.71	10.19	9.74	9.92	10.16	9.71	9.34	9.45	9.01	8.45
13	9.34	9.59	9.70	10.17	9.73	9.94	10.06	9.71	9.34	9.43	9.00	8.43
14	9.32	9.60	9.70	10.13	9.73	9.95	10.02	9.69	9.33	9.41	8.99	8.45
15	9.32	9.61	9.95	10.07	9.77	9.98	10.09	9.67	9.31	9.39	8.97	8.48
16	9.42	9.60	10.09	10.01	9.93	10.22	10.09	9.64	9.29	9.37	8.95	8.46
17	9.42	9.60	10.16	9.94	10.01	10.43	10.10	9.63	9.26	9.35	8.93	8.44
18	9.41	9.59	10.20	9.96	10.05	10.44	10.09	9.62	9.25	9.33	8.91	8.42
19	9.39	9.58	10.18	10.06	10.02	10.45	10.02	9.61	9.24	9.31	8.89	8.41
20	9.38	9.64	10.16	10.20	9.96	10.47	9.98	9.58	9.50	9.29	8.87	8.41
21	9.37	9.66	10.06	10.31	9.92	10.43	9.91	9.56	9.73	9.28	8.85	8.40
22	9.37	9.75	9.99	10.36	9.87	10.37	9.85	9.54	9.85	9.25	8.88	8.38
23	9.37	9.79	10.01	10.32	9.84	10.32	9.81	9.52	9.87	9.22	8.86	8.37
24	9.36	9.83	10.02	10.28	9.80	10.25	9.77	9.58	9.87	9.19	8.84	8.36
25	9.36	9.81	10.02	10.19	9.85	10.19	9.78	9.60	9.87	9.16	8.82	8.34
26	9.34	9.78	9.99	10.13	9.95	10.12	9.77	9.58	9.95	9.15	8.79	8.61
27	9.34	9.74	9.94	10.07	9.98	10.04	9.75	9.57	10.12	9.13	8.77	8.76
28	9.34	9.71	9.89	10.01	10.00	9.98	9.73	9.56	10.06	9.10	8.75	8.73
29	9.34	9.69	9.85	9.96	---	9.93	9.71	9.56	9.96	9.09	8.73	8.72
30	9.45	9.67	9.83	9.90	---	9.95	9.71	9.55	9.86	9.08	8.70	8.70
31	9.46	---	9.81	9.86	---	10.04	---	9.55	---	9.06	8.69	---
MAX	9.50	9.83	10.20	10.36	10.05	10.47	10.26	9.72	10.12	9.78	9.06	8.76
MIN	9.32	9.53	9.60	9.75	9.72	9.82	9.71	9.52	9.24	9.06	8.69	8.34

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	142	404	1080	1780	1430	1880	1510	263	993	209	130
2	32	161	391	1070	1770	1600	1870	1480	298	974	212	105
3	29	143	378	1060	1770	1660	1820	1420	302	942	218	74
4	26	163	364	1110	1750	1730	1800	1370	291	896	218	50
5	24	115	352	1170	1730	1730	1790	1310	290	851	219	35
6	23	95	339	1200	1700	1680	1780	1240	292	796	224	27
7	22	93	327	1210	1680	1650	1830	1150	294	736	263	22
8	21	106	323	1230	1660	1620	2190	1080	291	658	271	19
9	21	126	366	1290	1640	1590	2240	1030	324	588	279	17
10	21	142	374	1440	1630	1560	2270	1010	313	526	292	15
11	21	156	376	1470	1600	1520	2190	982	313	476	302	14
12	21	176	386	1520	1570	1660	2090	939	318	377	310	13
13	21	185	390	1540	1540	1680	2010	892	317	300	316	13
14	23	194	398	1530	1510	1650	1980	845	330	255	318	13
15	23	205	766	1520	1790	1610	2040	780	327	212	316	13
16	23	207	833	1500	2250	1790	2040	727	311	181	311	12
17	22	199	860	1480	2030	1990	2010	674	301	170	303	11
18	21	183	875	1600	1940	2030	1960	625	297	168	293	10
19	26	164	876	1640	1800	2020	1920	585	297	172	282	11
20	28	164	1090	1680	1680	2020	1890	534	408	178	270	10
21	16	191	1120	1710	1600	2040	1860	481	694	184	259	9.8
22	33	363	1170	1750	1540	2070	1830	427	876	188	249	9.4
23	45	322	1180	1780	1490	2070	1790	369	956	203	241	9.3
24	59	369	1180	1810	1430	2020	1740	326	1020	191	235	9.2
25	62	414	1180	1830	1450	1990	1700	278	998	187	231	9.3
26	48	425	1170	1820	1470	1960	1680	231	1090	189	227	23
27	52	434	1160	1820	1460	1910	1660	208	1230	195	223	108
28	56	437	1130	1820	1430	1880	1620	211	1090	201	217	136
29	60	436	1110	1810	---	1850	1580	204	1030	203	209	140
30	153	427	1100	1800	---	1850	1540	214	1000	204	192	135
31	109	---	1090	1790	---	1880	---	224	---	206	165	---
TOTAL	1176	6937	23058	47080	46690	55740	56600	23356	16161	12600	7874	1203.0
MEAN	37.9	231	744	1519	1667	1798	1887	753	539	406	254	40.1
MAX	153	437	1180	1830	2250	2070	2270	1510	1230	993	318	140
MIN	16	93	323	1060	1430	1430	1540	204	263	168	165	9.2
AC-FT	2330	13760	45740	93380	92610	110600	112300	46330	32060	24990	15620	2390

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1993, BY WATER YEAR (WY)

MEAN	135	459	1016	1443	1866	1961	1759	1262	1023	783	256	105
MAX	724	2001	2119	2991	3127	3193	4362	4244	2567	3288	2130	419
(WY)	1985	1985	1992	1988	1983	1992	1991	1991	1989	1989	1989	1989
MIN	6.97	22.0	47.0	68.8	185	257	157	71.7	14.5	21.8	14.1	4.23
(WY)	1989	1981	1981	1981	1981	1981	1982	1982	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR			FOR 1993 WATER YEAR			WATER YEARS 1980 - 1993		
ANNUAL TOTAL	381928			298475					
ANNUAL MEAN	1044			818			1003		
HIGHEST ANNUAL MEAN	1814			1991					
LOWEST ANNUAL MEAN							206		
HIGHEST DAILY MEAN	3400			Mar 7			6630		
LOWEST DAILY MEAN	16			Oct 21			2.2		
ANNUAL SEVEN-DAY MINIMUM	21			Oct 7			2.8		
INSTANTANEOUS PEAK FLOW				2430			6800		
INSTANTANEOUS PEAK STAGE				29.58			38.26		
INSTANTANEOUS LOW FLOW				9.2			Not determined		
INSTANTANEOUS LOW STAGE				15.76			Not determined		
ANNUAL RUNOFF (AC-FT)	757600			592000			726700		
10 PERCENT EXCEEDS	2840			1830			2650		
50 PERCENT EXCEEDS	573			427			479		
90 PERCENT EXCEEDS	50			26			21		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.52	18.16	20.42	24.41	27.29	25.82	27.67	26.19	19.02	23.72	18.58	17.80
2	16.44	18.40	20.32	24.36	27.25	26.56	27.63	26.03	19.30	23.62	18.61	17.52
3	16.38	18.19	20.22	24.29	27.26	26.85	27.47	25.79	19.33	23.45	18.65	17.10
4	16.31	18.41	20.11	24.57	27.20	27.12	27.40	25.55	19.24	23.20	18.66	16.72
5	16.27	17.87	20.01	24.84	27.11	27.11	27.36	25.29	19.23	22.95	18.67	16.44
6	16.23	17.63	19.92	25.00	26.99	26.93	27.32	24.94	19.25	22.64	18.71	16.26
7	16.21	17.61	19.83	25.06	26.92	26.78	27.50	24.51	19.27	22.29	19.03	16.13
8	16.19	17.76	19.80	25.12	26.84	26.65	28.78	24.19	19.24	21.83	19.09	16.05
9	16.19	17.98	20.13	25.39	26.76	26.52	28.95	23.93	19.49	21.38	19.15	15.99
10	16.17	18.18	20.19	26.05	26.68	26.39	29.06	23.79	19.41	20.97	19.25	15.94
11	16.18	18.34	20.21	26.18	26.58	26.24	28.77	23.66	19.41	20.62	19.33	15.89
12	16.17	18.56	20.28	26.40	26.45	26.83	28.44	23.43	19.45	19.90	19.39	15.88
13	16.17	18.64	20.31	26.48	26.32	26.92	28.17	23.18	19.44	19.31	19.43	15.86
14	16.22	18.72	20.37	26.42	26.20	26.78	28.06	22.92	19.54	18.96	19.45	15.87
15	16.23	18.82	22.66	26.38	27.27	26.61	28.27	22.55	19.52	18.61	19.44	15.87
16	16.24	18.84	23.07	26.30	28.98	27.30	28.24	22.24	19.40	18.33	19.40	15.86
17	16.21	18.77	23.23	26.24	28.22	28.08	28.14	21.92	19.32	18.22	19.34	15.82
18	16.19	18.62	23.31	26.73	27.90	28.21	27.97	21.62	19.29	18.20	19.26	15.80
19	16.31	18.43	23.32	26.87	27.36	28.18	27.81	21.36	19.29	18.24	19.17	15.80
20	16.35	18.43	24.47	27.03	26.90	28.19	27.73	21.02	20.13	18.30	19.08	15.80
21	16.02	18.69	24.63	27.12	26.56	28.25	27.62	20.66	21.97	18.35	18.99	15.78
22	16.46	20.11	24.85	27.26	26.33	28.35	27.49	20.27	23.09	18.39	18.92	15.77
23	16.70	19.79	24.91	27.34	26.10	28.35	27.35	19.84	23.52	18.52	18.85	15.76
24	16.95	20.15	24.88	27.46	25.84	28.20	27.15	19.51	23.84	18.42	18.80	15.76
25	17.00	20.49	24.90	27.48	25.91	28.08	27.01	19.14	23.73	18.38	18.76	15.76
26	16.78	20.57	24.87	27.46	25.98	27.96	26.92	18.77	24.20	18.40	18.73	16.08
27	16.87	20.64	24.82	27.45	25.95	27.79	26.82	18.57	24.90	18.45	18.70	17.52
28	16.98	20.66	24.65	27.44	25.83	27.69	26.65	18.59	24.23	18.51	18.65	17.84
29	17.06	20.65	24.56	27.43	---	27.58	26.47	18.53	23.89	18.52	18.58	17.88
30	18.24	20.59	24.53	27.40	---	27.56	26.31	18.62	23.76	18.54	18.43	17.81
31	17.76	---	24.47	27.34	---	27.68	---	18.71	---	18.55	18.17	---
MAX	18.24	20.66	24.91	27.48	28.98	28.35	29.06	26.19	24.90	23.72	19.45	17.88
MIN	16.02	17.61	19.80	24.29	25.83	25.82	26.31	18.53	19.02	18.20	18.17	15.76

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.

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

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 1992										
28...	1500	886	8.03	--	20	12	9.9	33	2.7	220
NOV										
19...	1100	547	8.14	15.0	20	12	10.3	29	3.1	--
DEC										
18...	0955	388	8.03	8.0	50	150	10.0	31	3.2	4500
JAN 1993										
14...	1045	343	7.47	8.0	40	100	11.3	29	3.4	2200
FEB										
17...	1020	496	7.67	10.0	65	30	11.5	35	--	6600
MAR										
16...	1010	697	8.06	12.0	30	100	10.8	15	1.6	K1600
APR										
13...	1450	575	7.92	19.5	50	100	8.6	29	1.2	1200
MAY										
11...	0855	747	7.74	21.0	20	70	8.3	36	1.2	K2200
JUN										
24...	0910	446	7.65	26.0	5	80	6.9	24	1.7	K1900
JUL										
22...	1100	843	8.05	32.0	5	2.5	7.6	31	3.6	K45
AUG										
18...	1030	800	7.99	32.5	10	6.0	6.9	25	1.1	K10
SEP										
16...	1000	902	8.17	22.5	5	11	6.5	<10	1.5	K110
DATE		COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 1992										
28...	K75	K74	270	73	21	82	4.3	186	95	110
NOV										
19...	K160	100	160	43	13	44	3.6	136	46	57
DEC										
18...	920	2200	94	26	7.1	34	3.2	70	44	48
JAN 1993										
14...	K220	K75	83	23	6.2	31	2.6	50	42	44
FEB										
17...	880	980	120	34	9.5	46	3.0	71	60	67
MAR										
16...	--	K190	170	46	14	67	3.1	97	96	96
APR										
13...	1000	K20	150	42	12	55	3.0	93	79	81
MAY										
11...	--	K20	200	54	16	70	3.1	110	110	110
JUN										
24...	--	420	130	35	10	37	3.0	84	57	56
JUL										
22...	K30	K15	290	79	23	67	4.2	201	98	88
AUG										
18...	K27	K55	240	65	20	67	3.6	153	110	90
SEP										
16...	K160	340	290	75	24	78	4.2	187	120	100

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

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

RED RIVER BASIN

07350500 RED RIVER AT COUSHATTA, LA--Continued

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

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1992									
28...	520	22	<0.01	0.02	0.70	0.72	0.10	0.04	8.7
NOV									
19...	300	52	0.01	<0.02	0.79	0.79	0.09	0.05	8.3
DEC									
18...	222	606	0.03	0.18	0.85	1.0	0.35	0.19	7.1
JAN 1993									
14...	196	142	0.01	0.19	0.40	0.59	0.06	0.07	7.3
FEB									
17...	284	138	0.02	0.25	0.70	0.95	0.05	0.05	8.2
MAR									
16...	396	312	0.02	0.34	0.84	1.2	0.22	0.07	8.4
APR									
13...	346	232	<0.01	0.14	0.45	0.59	0.10	0.02	8.9
MAY									
11...	446	186	0.01	0.34	0.51	0.85	0.16	0.06	8.1
JUN									
24...	270	156	0.02	0.36	1.2	1.6	0.07	0.09	9.6
JUL									
22...	490	16	0.01	<0.02	0.83	0.83	0.06	0.04	7.8
AUG									
18...	486	20	<0.01	<0.02	0.67	0.67	0.08	0.03	7.4
SEP									
16...	566	<1	0.01	0.07	0.94	1.0	0.06	0.04	8.8

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 1992								
28...	1	<1	<1	2	7	530	2	170
JAN 1993								
14...	2	3	<1	5	5	2500	10	82
APR								
13...	3	<1	<1	<1	6	3900	4	160
JUL								
22...	1	<10	<1	<1	2	280	1	170

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1992							
28...	<0.1	3	<1	8	0.01	<1	<1
JAN 1993							
14...	<0.1	3	<1	30	<0.01	3	<1
APR							
13...	<0.1	6	<1	20	<0.01	<1	<1
JUL							
22...	<0.1	2	<1	<10	<0.01	1	<1

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

RED RIVER BASIN

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA

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

DRAINAGE AREA.--66 mi².

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

REVISED RECORDS.--WSP 1211: Drainage area.

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

REMARKS.--Estimated daily discharges. Indefinite stage-discharge relationship: Nov. 4-20 and May 7 to June 19. Records fair above 50 ft³/s and poor below. Several measurements of water temperature were made during the year.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 19	0230	4,190	11.00	Apr 8	1200	3,150	10.77
Feb 16	0930	*5,400	*11.21	Jun 22	1100	3,890	10.94

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	20	1.7	44	15	70	119	54	e.90	9.5	.26	.00
2	.00	41	1.5	40	14	667	39	455	e.80	8.1	.10	.00
3	.00	13	1.4	31	13	460	23	105	e.70	6.9	.02	.00
4	.00	e8.1	1.2	46	11	103	23	37	e.60	6.7	.00	.00
5	.00	e5.0	.96	272	11	57	73	18	e.50	6.2	.00	.00
6	.00	e3.0	.92	90	23	39	53	11	e.40	5.7	.01	.00
7	.00	e2.0	.79	52	37	30	98	e9.4	e.30	5.2	.21	.00
8	.00	e1.0	.72	153	24	25	1780	e7.3	e.20	4.8	.37	.00
9	.00	e.60	.92	141	17	21	590	e5.3	e.15	5.4	.51	.00
10	.00	e.40	4.7	622	14	19	101	e31	e.10	5.5	.59	.00
11	.00	e1.0	2.2	327	32	18	45	e52	e.30	6.9	.59	.00
12	.00	e2.0	1.3	105	33	692	28	e16	e1.0	7.2	.59	.00
13	.00	e4.0	1.3	76	20	1270	20	e8.4	e1.5	7.8	.60	.00
14	.00	e3.0	2.5	48	15	226	23	e5.6	e1.2	6.6	.62	.00
15	.00	e2.0	773	36	270	81	328	e4.1	e1.5	7.2	.62	.00
16	.00	e1.0	1740	29	3510	403	107	e3.0	e1.0	7.1	.60	.00
17	.00	e.80	294	23	701	1490	39	e2.3	e.80	6.4	.57	.00
18	.00	e.60	70	813	136	413	22	e1.7	e2.0	3.9	.55	.00
19	.00	e.50	57	2510	71	103	16	e.88	e10	3.1	.53	.00
20	.00	e4.0	487	718	55	276	25	e2.5	47	3.3	.47	.00
21	.00	12	559	507	50	668	69	e1.1	379	2.8	.43	.00
22	.00	263	136	163	40	223	23	e.87	2220	2.2	.37	.00
23	.00	86	118	78	28	160	13	e2.2	542	1.8	.31	.00
24	.00	55	230	84	22	92	9.3	e6.5	109	1.4	.24	.00
25	.00	56	85	78	108	52	9.2	e8.4	44	1.1	.21	.00
26	.00	26	84	46	557	38	185	e8.0	40	.94	.18	.00
27	.00	14	74	32	149	28	47	e6.9	42	.83	.14	.00
28	.00	9.1	59	26	63	21	18	e5.0	24	.72	.11	.00
29	.01	8.2	53	22	---	17	11	e3.0	15	.62	.07	.00
30	35	4.1	50	20	---	30	10	e2.0	11	.57	.05	.00
31	28	---	47	18	---	370	---	e1.5	---	.44	.01	---
TOTAL	63.01	646.40	4938.11	7250	6039	8162	3946.5	874.95	3496.95	136.92	9.93	0.00
MEAN	2.03	21.5	159	234	216	263	132	28.2	117	4.42	.32	.000
MAX	35	263	1740	2510	3510	1490	1780	455	2220	9.5	.62	.00
MIN	.00	.40	.72	18	11	17	9.2	.87	.10	.44	.00	.00
AC-FT	125	1280	9790	14380	11980	16190	7830	1740	6940	272	20	.00
CFSM	.03	.33	2.41	3.54	3.27	3.99	1.99	.43	1.77	.07	.00	.00
IN.	.04	.36	2.78	4.09	3.40	4.60	2.22	.49	1.97	.08	.01	.00

e Estimated.

RED RIVER BASIN

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1993, BY WATER YEAR (WY)

MEAN	26.7	55.2	100	153	193	125	105	124	61.2	16.6	17.9	1.14
MAX	370	437	534	649	452	325	563	517	436	196	454	14.1
(WY)	1950	1941	1941	1946	1990	1945	1991	1953	1986	1989	1955	1991
MIN	.000	.000	.000	3.26	5.73	4.57	5.19	1.84	.005	.000	.000	.000
(WY)	1940	1940	1957	1956	1943	1986	1943	1988	1988	1954	1943	1939

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR				FOR 1993 WATER YEAR				WATER YEARS 1939 - 1993			
ANNUAL TOTAL	32178.46				35563.77							
ANNUAL MEAN	87.9				97.4				81.8			
HIGHEST ANNUAL MEAN									168			
LOWEST ANNUAL MEAN									3.59			
HIGHEST DAILY MEAN	1920	Feb	26		3510	Feb	16	11200	Aug	3	1955	
LOWEST DAILY MEAN	.00	Aug	25		.00	Oct	1	.00	Jun	15	1939	
ANNUAL SEVEN-DAY MINIMUM	.00	Aug	25		.00	Oct	1	.00	Jun	15	1939	
INSTANTANEOUS PEAK FLOW					5400	Feb	16	23700	Aug	3	1955	
INSTANTANEOUS PEAK STAGE					11.21	Feb	16	13.62	Aug	3	1955	
INSTANTANEOUS LOW FLOW					.00	*Oct	1	No flow at times most years				
ANNUAL RUNOFF (AC-FT)	63830				70540				59300			
ANNUAL RUNOFF (CFSM)	1.33				1.48				1.24			
ANNUAL RUNOFF (INCHES)	18.14				20.05				16.85			
10 PERCENT EXCEEDS	214				224				112			
50 PERCENT EXCEEDS	9.5				7.2				4.7			
90 PERCENT EXCEEDS	.00				.00				.00			

* No flow all or part of each day Oct 1-29, Aug 3-6, 31, Sep 1-30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.09	3.34	3.10	3.25	2.40	3.52	4.48	3.04	2.55	2.12	2.63	2.33
2	3.08	3.76	3.14	3.15	2.35	8.73	3.13	7.60	2.68	2.04	2.60	2.29
3	3.08	2.83	3.19	2.91	2.28	7.48	2.66	4.30	2.80	1.97	2.56	2.26
4	3.08	2.52	3.22	3.12	2.22	4.19	2.66	3.06	2.95	1.96	2.54	2.22
5	3.07	2.84	3.23	6.20	2.21	3.36	3.85	2.49	2.98	1.92	2.53	2.19
6	3.06	2.95	3.25	4.11	2.65	2.93	3.44	2.22	2.99	1.89	2.53	2.15
7	3.05	2.95	3.25	3.44	3.07	2.68	3.81	2.11	3.00	1.85	2.65	2.12
8	3.03	2.96	3.27	4.97	2.70	2.53	10.05	1.99	3.02	1.82	2.71	2.09
9	3.01	3.01	3.33	4.81	2.46	2.40	8.12	1.86	3.02	1.91	2.76	2.06
10	3.00	3.05	3.59	8.62	2.35	2.32	4.26	2.75	3.02	2.00	2.79	2.03
11	2.98	3.09	3.37	6.53	2.92	2.28	3.28	3.39	3.02	2.18	2.78	2.00
12	2.96	3.16	3.23	4.37	2.96	7.46	2.83	2.41	3.00	2.29	2.78	1.97
13	2.94	3.27	3.14	3.89	2.56	9.75	2.57	2.05	3.02	2.41	2.79	1.95
14	2.93	3.27	3.13	3.34	2.37	5.60	2.61	1.88	3.09	2.43	2.79	1.98
15	2.91	3.23	7.64	3.05	4.53	3.85	6.63	1.77	3.16	2.55	2.79	2.01
16	3.00	3.21	10.18	2.87	10.81	6.86	4.32	1.66	3.15	2.62	2.79	1.99
17	3.01	3.22	6.17	2.66	8.55	10.12	3.11	1.59	3.14	2.66	2.78	1.97
18	3.00	3.23	3.79	7.02	4.67	7.16	2.65	1.51	3.29	2.58	2.77	1.95
19	2.98	3.26	3.54	10.49	3.66	4.32	2.43	1.33	3.28	2.58	2.75	1.94
20	2.96	3.33	7.63	9.13	3.33	5.93	2.65	1.57	3.86	2.67	2.72	1.94
21	2.95	3.59	8.18	7.93	3.20	8.89	3.74	1.41	6.89	2.67	2.70	1.93
22	2.94	6.24	4.76	5.09	2.95	5.69	2.66	1.33	10.33	2.66	2.67	1.91
23	2.93	4.03	4.50	3.94	2.62	5.09	2.28	1.58	7.73	2.66	2.63	1.89
24	2.92	3.49	5.80	4.03	2.44	4.15	2.11	2.04	4.39	2.65	2.60	1.87
25	2.91	3.52	4.05	3.93	3.74	3.42	2.09	2.23	3.25	2.66	2.57	1.85
26	2.90	2.77	4.03	3.29	8.28	3.09	5.25	2.28	3.16	2.66	2.53	1.91
27	2.88	2.34	3.86	2.96	4.79	2.82	3.28	2.29	3.19	2.66	2.50	1.98
28	2.88	2.09	3.58	2.76	3.49	2.62	2.49	2.34	2.69	2.65	2.46	1.96
29	2.89	2.40	3.46	2.65	---	2.46	2.19	2.53	2.36	2.65	2.43	1.94
30	3.91	2.89	3.39	2.58	---	2.76	2.15	2.56	2.22	2.67	2.40	1.92
31	3.61	---	3.32	2.48	---	7.00	---	2.62	---	2.66	2.36	---
MAX	3.91	6.24	10.18	10.49	10.81	10.12	10.05	7.60	10.33	2.67	2.79	2.33
MIN	2.88	2.09	3.10	2.48	2.21	2.28	2.09	1.33	2.22	1.82	2.36	1.85

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA

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

DRAINAGE AREA.--860 mi².

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

GAGE.--Water stage recorder. Datum of gage is 90.00 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to September 1980, nonrecording gage at same site. Water stage recorder for Bayou Pierre near Powhatan (station 07351750) used as auxiliary gage for this station at datum 83.61 ft above sea level.

REMARKS.--Estimated daily discharges. Indefinite stage-discharge relationship: Feb. 16-17, May 26 to June 20. No base gage-height record: Jan 9 to Feb. 9. No auxiliary gage height: Aug. 30 to Sept. 30. Records fair. Backwater from Red River. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--13 years, 1,000 ft³/s, 724,500 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 discharge, 5,110 ft³/s, Apr. 10, gage height, 20.73 ft; minimum discharge, 53 ft³/s, Sept. 25, 26, gage height, 0.77 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	781	371	982	e720	872	1570	708	e195	2730	124	75
2	121	967	332	805	e660	632	1380	1180	e170	2020	116	73
3	305	933	295	710	e580	1060	1220	1270	e150	1630	90	75
4	214	969	261	747	e540	1870	1110	1240	e140	1370	75	85
5	119	821	238	1050	e510	2020	1030	1140	e135	1150	85	75
6	84	684	227	1220	e470	1790	908	999	e130	966	153	66
7	75	554	209	1240	e430	1610	1150	864	e125	824	130	62
8	73	450	192	1610	e410	1340	3810	726	e140	713	116	59
9	71	365	260	e1620	407	1060	4870	550	e135	628	499	57
10	70	298	444	e1500	372	889	5050	445	e125	567	607	56
11	69	250	521	e1490	356	843	4590	395	e115	486	456	56
12	69	356	474	e1530	399	2220	3880	341	e110	424	330	55
13	68	527	389	e1480	420	3380	3070	381	e105	380	246	54
14	68	526	328	e1300	421	3760	2360	490	e100	307	196	58
15	67	448	1460	e1200	339	3820	2510	589	e115	250	163	61
16	71	360	3740	e1150	e320	3630	2560	665	e130	211	142	65
17	71	291	4520	e1100	e700	3970	2370	587	e125	187	125	86
18	74	244	4580	e1050	1380	4220	1990	494	e115	180	112	85
19	88	205	4020	e1500	1750	4180	1550	442	e100	169	103	73
20	83	487	3190	e2000	1820	3770	1250	446	e300	153	97	68
21	75	1090	2770	e2500	2000	3420	1200	471	1800	142	92	65
22	70	1160	2590	e2580	2040	3080	1090	550	4020	137	88	63
23	69	1120	2500	e2300	1800	2860	1000	538	4620	129	85	59
24	69	1130	2770	e1800	1480	2660	931	466	4850	121	82	56
25	67	1060	2560	e1600	957	2410	843	520	4630	113	78	54
26	65	962	2360	e1350	689	2190	843	e400	4260	92	76	54
27	65	845	2130	e1150	913	1950	814	e330	4440	85	73	61
28	64	677	1890	e980	960	1620	759	e290	4500	83	71	91
29	64	521	1700	e920	---	1360	709	e260	4220	80	69	145
30	161	422	1520	e830	---	1320	633	e235	3560	79	77	118
31	455	---	1250	e780	---	1640	---	e215	---	85	80	---
TOTAL	3201	19503	50091	42074	23843	71446	57050	18227	43660	16491	4836	2110
MEAN	103	650	1616	1357	852	2305	1902	588	1455	532	156	70.3
MAX	455	1160	4580	2580	2040	4220	5050	1270	4850	2730	607	145
MIN	64	205	192	710	320	632	633	215	100	79	69	54
AC-FT	6350	38680	99360	83450	47290	141700	113200	36150	86600	32710	9590	4190

CAL YR 1992 TOTAL 436265 MEAN 1192 MAX 7030 MIN 54 AC-FT 865300
WTR YR 1993 TOTAL 352532 MEAN 966 MAX 5050 MIN 54 AC-FT 699200

e Estimated

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.92	6.35	6.96	13.02	---	13.12	12.70	7.71	10.92	13.84	1.66	1.01
2	3.48	7.38	6.71	12.41	---	13.24	11.87	9.84	10.92	12.08	1.59	.98
3	3.06	7.21	6.39	11.87	---	13.93	10.85	10.35	10.71	10.60	1.32	1.01
4	2.32	7.40	6.08	11.38	---	15.17	10.04	10.32	9.95	9.38	1.17	1.11
5	1.47	6.60	5.86	11.50	---	15.76	9.34	10.30	9.63	8.31	1.27	1.01
6	1.11	5.81	5.51	11.64	---	15.72	9.08	10.09	9.40	7.38	1.94	.91
7	1.01	5.00	4.99	11.75	---	15.19	10.36	9.42	9.19	6.62	1.72	.86
8	.99	4.30	4.61	12.78	---	14.46	17.60	8.53	9.24	5.98	1.58	.83
9	.97	3.71	4.76	---	5.97	14.17	20.23	7.86	9.25	5.43	4.55	.81
10	.96	3.25	5.30	---	5.90	14.10	20.64	7.96	9.12	5.02	5.28	.81
11	.94	2.90	5.35	---	5.91	13.89	19.69	8.64	8.80	4.50	4.23	.80
12	.94	3.64	4.95	---	5.90	16.17	17.62	10.05	8.56	4.06	3.27	.79
13	.93	4.82	4.63	---	5.76	17.85	15.30	12.32	8.54	3.74	2.62	.78
14	.93	4.81	4.56	---	5.54	18.16	13.46	13.77	8.56	3.19	2.18	.82
15	.92	4.28	9.44	---	5.22	17.80	13.60	13.92	8.49	2.77	1.87	.85
16	.97	3.68	16.05	---	5.09	17.07	13.62	12.73	8.53	2.46	1.67	.90
17	.96	3.19	18.38	---	6.86	17.85	13.05	11.59	8.32	2.25	1.51	1.13
18	1.00	2.85	19.38	---	11.13	18.32	12.29	11.29	7.68	2.19	1.39	1.11
19	1.15	2.55	18.77	---	12.86	18.15	11.86	11.65	7.34	2.08	1.30	.98
20	1.11	4.45	17.63	---	13.79	17.55	11.98	12.21	7.92	1.94	1.24	.93
21	1.01	8.02	17.21	---	14.20	17.24	12.46	12.61	11.73	1.84	1.19	.89
22	.95	8.37	17.10	---	14.02	16.96	12.70	12.83	17.15	1.79	1.14	.88
23	.95	8.19	17.34	---	13.46	16.86	12.74	12.64	18.57	1.71	1.11	.83
24	.94	8.20	18.27	---	12.87	16.70	12.36	12.20	18.99	1.64	1.08	.80
25	.91	7.89	18.09	---	12.36	16.19	11.44	12.11	18.22	1.56	1.04	.78
26	.90	7.36	17.86	---	12.30	15.41	10.34	11.96	17.27	1.35	1.01	.78
27	.89	6.76	17.35	---	12.70	14.52	9.14	11.77	17.68	1.27	.98	.85
28	.88	6.42	16.65	---	12.99	13.77	8.08	11.34	17.78	1.25	.96	1.17
29	.87	6.58	15.83	---	---	13.08	7.39	10.93	17.06	1.22	.94	1.70
30	1.84	6.87	14.83	---	---	12.78	6.94	10.92	15.61	1.21	1.03	1.44
31	4.18	---	13.84	---	---	13.12	---	10.92	---	1.27	1.06	---
MAX	4.18	8.37	19.38	---	---	18.32	20.64	13.92	18.99	13.84	5.28	1.70
MIN	.87	2.55	4.56	---	---	12.78	6.94	7.71	7.34	1.21	.94	.78

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.

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

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN	OXYGEN	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	
			WATER WHOLE FIELD (STAND- ARD UNITS)					DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)		
OCT 1992											
28...	1400	908	7.99	--	15	15	9.6	33	2.8	K81	
NOV											
19...	0950	599	8.17	14.5	20	26	9.8	29	3.0	--	
DEC											
18...	0855	423	7.90	7.0	60	140	9.9	35	3.4	4500	
JAN 1993											
14...	0945	309	7.51	8.0	40	65	11.0	33	3.3	3900	
FEB											
17...	0925	478	7.62	10.0	20	55	10.4	29	--	3800	
MAR											
16...	0745	660	8.00	11.0	30	100	11.0	17	2.1	2200	
APR											
13...	1315	535	7.74	19.0	50	85	8.5	28	1.2	K700	
MAY											
11...	0725	600	7.71	20.0	10	70	8.3	20	1.3	K530	
JUN											
24...	0730	417	7.75	26.0	10	75	6.6	33	1.6	2300	
JUL											
22...	0940	835	7.89	32.0	5	4.0	7.4	30	2.7	--	
AUG											
18...	0915	788	7.89	32.0	5	5.0	8.9	28	2.9	<3	
SEP											
16...	0810	954	8.20	22.5	10	10	6.2	19	1.4	44	
DATE		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 1992											
28...	K10	K50	280	76	22	84	4.3	203	94	110	
NOV											
19...	120	160	180	49	14	51	4.2	150	53	66	
DEC											
18...	1100	2800	100	28	8.0	39	3.2	69	50	55	
JAN 1993											
14...	K260	K200	76	21	5.8	28	2.6	49	37	39	
FEB											
17...	700	1200	120	33	9.4	44	3.0	75	57	61	
MAR											
16...	K230	K57	160	44	13	62	3.0	93	91	90	
APR											
13...	K130	<20	140	37	11	52	2.9	86	74	74	
MAY											
11...	--	K300	160	45	12	55	2.9	98	82	80	
JUN											
24...	--	480	120	33	9.5	33	3.2	78	52	50	
JUL											
22...	K58	K25	280	76	23	68	4.1	202	94	88	
AUG											
18...	K10	K15	240	64	20	67	3.6	156	110	88	
SEP											
16...	<10	K100	300	77	25	80	4.4	208	120	110	

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

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

RED RIVER BASIN

07351930 RED RIVER AT GRAND ECORE, LA--Continued

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

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1992									
28...	528	54	<0.01	<0.02	0.75	0.75	0.13	0.04	8.1
NOV									
19...	340	68	0.01	0.06	0.93	0.99	0.13	0.07	8.4
DEC									
18...	238	336	0.03	0.18	0.67	0.85	0.34	0.19	8.7
JAN 1993									
14...	191	98	0.02	0.19	0.45	0.64	0.07	0.08	7.5
FEB									
17...	274	214	0.02	0.23	0.72	0.95	0.06	0.05	4.4
MAR									
16...	382	240	0.01	0.33	0.85	1.2	0.19	0.06	7.0
APR									
13...	328	144	0.01	0.28	0.55	0.83	0.12	0.04	8.9
MAY									
11...	374	142	0.01	0.32	0.53	0.85	0.09	0.06	7.3
JUN									
24...	252	188	0.02	0.38	0.92	1.3	0.11	0.10	8.4
JUL									
22...	484	20	<0.01	<0.02	0.72	0.72	0.09	0.03	8.7
AUG									
18...	478	10	<0.01	<0.02	0.75	0.75	0.07	0.03	7.5
SEP									
16...	570	12	0.01	0.02	1.0	1.0	0.06	0.04	8.9

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 1992								
28...	2	<1	<1	2	5	710	4	230
JAN 1993								
14...	2	3	<1	4	4	2200	6	71
APR								
13...	2	<1	<1	4	6	2400	4	89
JUL								
22...	1	<10	<1	<1	2	290	2	180

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1992							
28...	<0.1	2	<1	9	0.01	4	<1
JAN 1993							
14...	<0.1	3	<1	20	<0.01	2	<1
APR							
13...	<0.1	4	<1	10	<0.01	<1	<1
JUL							
22...	<0.1	<1	<1	<10	<0.01	<1	2

< 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. 21	1700	1,120	7.07	Apr. 10	1400	* 1,600	* 7.49

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	195	46	141	147	197	120	196	39	97	28	11
2	15	203	42	122	137	236	112	262	33	106	23	10
3	14	167	39	107	131	330	99	231	29	72	17	9.6
4	14	193	44	122	127	421	103	176	25	58	14	8.9
5	14	127	47	200	120	484	110	128	23	51	19	8.5
6	14	80	45	274	119	379	114	100	21	40	50	8.2
7	14	59	45	332	116	225	140	82	20	33	164	8.0
8	14	49	43	320	124	165	580	69	18	28	269	7.8
9	13	44	93	312	128	137	951	61	17	25	237	7.8
10	13	41	159	340	110	119	1470	73	16	23	121	7.7
11	14	40	142	308	107	106	1180	84	16	22	57	7.4
12	14	78	117	337	105	212	786	98	25	22	35	7.2
13	13	126	85	314	104	358	487	102	33	21	28	7.2
14	13	123	65	248	101	388	290	89	28	19	23	7.6
15	13	92	251	198	118	378	339	77	26	17	20	8.8
16	27	72	592	164	466	333	460	60	26	27	17	10
17	43	58	534	145	619	455	514	49	21	42	15	11
18	40	50	476	274	690	580	553	65	19	35	14	11
19	27	47	438	842	898	562	410	162	19	24	13	10
20	21	98	288	994	645	564	276	83	92	19	12	10
21	19	176	248	1070	328	523	242	104	226	18	11	9.9
22	18	344	354	1010	215	516	260	80	404	15	11	9.8
23	18	378	440	800	174	528	253	59	719	13	11	9.4
24	19	348	376	618	143	438	190	74	872	12	11	8.8
25	19	281	313	422	146	303	150	137	874	11	9.9	8.4
26	19	166	357	361	202	241	151	223	588	9.9	9.5	8.9
27	24	108	306	305	242	226	170	194	404	9.4	9.0	13
28	32	77	272	243	242	211	134	114	432	9.0	8.8	17
29	29	61	240	205	---	173	120	73	463	9.2	10	14
30	220	52	194	180	---	148	187	57	388	14	12	12
31	240	---	163	162	---	133	---	46	---	29	11	---
TOTAL	1022	3933	6854	11470	6804	10069	10951	3408	5916	1030.5	1290.2	288.9
MEAN	33.0	131	221	370	243	325	365	110	197	33.2	41.6	9.63
MAX	240	378	592	1070	898	580	1470	262	874	197	269	17
MIN	13	40	39	107	101	106	99	46	16	9.0	8.8	7.2
AC-FT	2030	7800	13590	22750	13500	19970	21720	6760	11730	2040	2560	573
CFSM	.21	.85	1.44	2.40	1.58	2.11	2.37	.71	1.28	.22	.27	.06
IN.	.25	.95	1.66	2.77	1.64	2.43	2.65	.82	1.43	.25	.31	.07

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1993, BY WATER YEAR (WY)

MEAN	44.2	126	212	308	336	289	252	265	122	66.6	32.8	41.8
MAX	310	713	971	1116	925	693	999	1122	652	1010	177	280
(WY)	1946	1958	1983	1945	1983	1973	1991	1953	1959	1989	1955	1958
MIN	5.73	11.9	25.0	29.5	36.9	53.7	27.3	14.3	12.0	5.60	4.76	4.45
(WY)	1968	1944	1944	1967	1981	1967	1978	1988	1985	1966	1954	1982

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR			FOR 1993 WATER YEAR			WATER YEARS 1941 -1993		
ANNUAL TOTAL	62839			63036.6					
ANNUAL MEAN	172			173			174		
HIGHEST ANNUAL MEAN							371		
LOWEST ANNUAL MEAN							34.7		
HIGHEST DAILY MEAN	960	Feb	28	1470	Apr	10	11100	Jan	1 1945
LOWEST DAILY MEAN	10	Aug	31	7.2	Sep	12	2.6	Aug	14 1954
ANNUAL SEVEN-DAY MINIMUM	11	Aug	18	7.5	Sep	8	2.9	Aug	11 1954
INSTANTANEOUS PEAK FLOW				1600	Apr	10	a13500	Jan	1 1945
INSTANTANEOUS PEAK STAGE				7.49	Apr	10	12.90	Jan	1 1945
INSTANTANEOUS LOW FLOW				7.2	*Sep	12	2.4	Aug	14 1954
INSTANTANEOUS LOW STAGE				2.42	*Sep	12	1.66	Aug	7,8 1964
ANNUAL RUNOFF (AC-FT)	124600			125000			125900		
ANNUAL RUNOFF (CFS)	1.11			1.12			1.13		
ANNUAL RUNOFF (INCHES)	15.18			15.23			15.34		
10 PERCENT EXCEEDS	455			446			430		
50 PERCENT EXCEEDS	83			101			63		
90 PERCENT EXCEEDS	14			11			11		

* Occurred on Sep 12-13,14.

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

GAGE HEIGHT (FEET ABOVE DATUM),, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.73	5.15	3.91	4.95	4.85	5.43	4.86	5.15	3.31	5.15	3.14	2.59
2	2.71	5.21	3.85	4.80	4.75	5.64	4.78	5.57	3.19	4.39	3.03	2.55
3	2.70	4.95	3.80	4.66	4.70	5.96	4.63	5.38	3.11	3.98	2.84	2.52
4	2.69	5.14	3.88	4.78	4.66	6.16	4.67	5.01	3.02	3.75	2.76	2.49
5	2.68	4.57	3.94	5.33	4.58	6.28	4.75	4.60	2.96	3.62	2.91	2.48
6	2.68	4.03	3.90	5.68	4.57	6.07	4.79	4.29	2.91	3.41	3.58	2.46
7	2.68	3.70	3.90	5.84	4.54	5.58	4.97	4.06	2.87	3.27	4.83	2.46
8	2.68	3.52	3.87	5.81	4.62	5.22	6.40	3.88	2.82	3.16	5.56	2.45
9	2.67	3.42	4.45	5.80	4.66	5.01	6.90	3.73	2.77	3.08	5.40	2.44
10	2.67	3.37	5.08	5.86	4.47	4.85	7.37	3.94	2.75	3.02	4.50	2.44
11	2.68	3.35	4.95	5.79	4.44	4.71	7.13	4.10	2.75	3.01	3.65	2.43
12	2.68	3.96	4.75	5.85	4.42	5.47	6.68	4.26	3.01	2.99	3.24	2.42
13	2.67	4.57	4.44	5.80	4.41	6.03	6.17	4.32	3.18	2.96	3.07	2.42
14	2.66	4.54	4.19	5.58	4.37	6.10	5.68	4.16	3.07	2.91	2.96	2.44
15	2.65	4.20	5.29	5.32	4.51	6.07	5.82	4.00	3.03	2.86	2.87	2.49
16	3.03	3.92	6.38	5.11	6.13	5.97	6.12	3.73	3.03	3.12	2.79	2.54
17	3.41	3.68	6.27	4.98	6.44	6.22	6.23	3.52	2.89	3.45	2.73	2.57
18	3.34	3.54	6.16	5.51	6.55	6.43	6.31	3.72	2.83	3.30	2.68	2.57
19	3.05	3.48	6.07	6.74	6.84	6.41	6.00	4.86	2.84	3.04	2.64	2.56
20	2.89	4.21	5.71	6.94	6.52	6.41	5.63	4.08	4.12	2.92	2.62	2.54
21	2.84	5.01	5.58	7.03	5.94	6.34	5.45	4.33	5.34	2.87	2.59	2.54
22	2.82	5.84	5.89	6.96	5.53	6.33	5.55	4.03	5.98	2.81	2.57	2.53
23	2.82	5.94	6.08	6.71	5.29	6.35	5.52	3.69	6.59	2.73	2.57	2.51
24	2.84	5.88	5.94	6.43	5.06	6.19	5.12	3.89	6.80	2.68	2.56	2.49
25	2.83	5.69	5.80	6.06	5.08	5.89	4.80	4.68	6.80	2.63	2.54	2.47
26	2.86	5.12	5.90	5.92	5.45	5.66	4.80	5.33	6.37	2.61	2.52	2.49
27	2.97	4.66	5.78	5.77	5.67	5.58	4.97	5.13	5.99	2.58	2.50	2.66
28	3.16	4.35	5.69	5.51	5.67	5.50	4.65	4.44	6.06	2.56	2.49	2.77
29	3.11	4.15	5.54	5.28	---	5.28	4.50	3.94	6.13	2.58	2.54	2.69
30	5.21	4.00	5.30	5.11	---	5.10	5.10	3.66	5.95	2.76	2.60	2.61
31	5.44	---	5.11	4.98	---	4.98	---	3.47	---	3.16	2.58	---
MAX	5.44	5.94	6.38	7.03	6.84	6.43	7.37	5.57	6.80	5.15	5.56	2.77
MIN	2.65	3.35	3.80	4.66	4.37	4.71	4.50	3.47	2.75	2.56	2.49	2.42

RED RIVER BASIN

07352800 GRAND BAYOU NEAR COUSHATTA, LA

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

DRAINAGE AREA.--93.9 mi².

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

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

REMARKS.--No estimated daily discharges. Records fair below 100 ft³/s and good above.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1030	805	8.06	Apr. 9	0330	1,430	8.70
Jan. 21	0500	1,200	8.51	Jun. 22	0330	*2,420	*9.36

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.07	28	7.8	46	32	77	67	156	2.5	42	.08	.18
2	.07	32	6.6	37	28	218	43	449	2.1	20	.07	.14
3	.07	38	4.9	30	26	314	30	428	2.0	13	.06	.10
4	.07	40	4.0	60	23	303	36	189	1.7	8.8	.07	.09
5	.07	17	4.3	212	22	181	59	60	1.4	6.0	.07	.08
6	.07	9.3	4.2	246	33	77	59	34	1.2	4.5	.07	.07
7	.07	5.6	4.9	179	48	49	131	23	.97	5.3	.09	.06
8	.07	3.5	6.8	283	43	37	1040	17	.86	5.5	.08	.06
9	.06	2.3	25	301	34	30	1370	13	.80	3.2	58	.06
10	.48	1.4	86	237	28	24	1050	17	.86	4.4	47	.05
11	.52	1.1	83	202	28	22	721	32	.73	11	14	.05
12	.37	11	40	171	32	305	392	31	.45	3.8	6.2	.05
13	.23	23	22	120	31	522	100	41	.34	2.3	3.5	.05
14	.15	58	14	84	26	568	85	41	1.9	1.4	1.9	.07
15	.12	23	351	60	26	469	399	22	1.3	2.3	1.4	.09
16	.40	9.8	633	50	274	326	505	14	.60	2.7	1.1	.07
17	.33	4.8	782	43	418	370	460	9.8	.34	1.9	.73	.07
18	.30	3.0	647	70	315	392	255	7.3	.26	1.3	.48	.07
19	.26	1.9	323	421	123	374	80	5.5	.54	.93	.34	.07
20	.21	71	162	960	67	276	80	17	10	.83	.26	.07
21	.16	151	262	1160	55	285	219	12	251	.66	.22	.06
22	.10	219	260	847	48	326	124	7.5	1770	.52	.18	.06
23	.09	132	270	578	38	322	56	5.4	1320	.38	.12	.05
24	.08	59	363	310	29	258	33	4.6	901	.26	.10	.04
25	.08	43	314	187	38	159	22	4.9	673	.20	.09	.04
26	.07	31	245	150	199	157	54	4.1	397	.15	.08	.05
27	.08	19	210	98	230	196	75	3.2	378	.12	.07	.05
28	.09	14	153	67	135	116	34	2.9	287	.10	.08	.04
29	.18	9.4	93	52	---	69	21	2.8	275	.10	.07	.04
30	18	7.2	68	44	---	74	77	2.4	173	.10	.08	.04
31	61	---	57	37	---	121	---	2.4	---	.10	.11	---
TOTAL	83.92	1068.3	5506.5	7342	2429	7017	7677	1658.8	6455.85	143.85	136.70	2.02
MEAN	2.71	35.6	178	237	86.7	226	256	53.5	215	4.64	4.41	.067
MAX	61	219	782	1160	418	568	1370	449	1770	42	58	.18
MIN	.06	1.1	4.0	30	22	22	21	2.4	.26	.10	.06	.04
AC-FT	166	2120	10920	14560	4820	13920	15230	3290	12810	285	271	4.0
CFSM	.03	.38	1.89	2.52	.92	2.41	2.73	.57	2.29	.05	.05	.00
IN.	.03	.42	2.18	2.91	.96	2.78	3.04	.66	2.56	.06	.05	.00

RED RIVER BASIN

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1993, BY WATER YEAR (WY)

MEAN	4.58	55.4	142	180	222	173	158	143	91.4	39.1	5.99	26.9
MAX	36.8	513	820	834	818	525	931	787	560	602	66.8	485
(WY)	1975	1958	1962	1974	1983	1961	1991	1989	1989	1989	1961	1958
MIN	.000	.010	.050	.061	1.22	3.31	3.98	.39	.001	.000	.000	.000
(WY)	1963	1968	1981	1981	1981	1967	1981	1963	1988	1966	1990	1983

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR				FOR 1993 WATER YEAR				WATER YEARS 1957 - 1993			
ANNUAL TOTAL	39791.09				39520.94							
ANNUAL MEAN	109				108				103			
HIGHEST ANNUAL MEAN									272			
LOWEST ANNUAL MEAN									3.96			
HIGHEST DAILY MEAN	1070				1770				12700			
LOWEST DAILY MEAN	.06				.04				.00			
	Mar 6				Jun 22				May 18			
	Oct 9				Sep 24,25,28,29,30				many days			
ANNUAL SEVEN-DAY MINIMUM	.07				.04				.00			
INSTANTANEOUS PEAK FLOW	Oct 3				Sep 24				many days			
INSTANTANEOUS PEAK STAGE					2420				15400			
INSTANTANEOUS LOW FLOW					9.36				14.04			
					.03				No flow at times most years			
					Sep 24,25,26,28,29,30							
ANNUAL RUNOFF (AC-FT)	78930				78390				74550			
ANNUAL RUNOFF (CFSM)	1.16				1.15				1.10			
ANNUAL RUNOFF (INCHES)	15.76				15.66				14.89			
10 PERCENT EXCEEDS	414				322				285			
50 PERCENT EXCEEDS	14				20				5.2			
90 PERCENT EXCEEDS	.12				.07				.00			

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.76	2.43	1.70	2.93	2.54	3.59	3.39	4.55	1.21	2.80	.78	.81
2	.76	2.53	1.62	2.68	2.44	5.41	2.86	7.17	1.16	2.17	.76	.79
3	.76	2.70	1.51	2.49	2.36	6.32	2.50	7.05	1.16	1.88	.76	.77
4	.77	2.77	1.44	3.09	2.26	6.23	2.65	5.05	1.12	1.66	.76	.76
5	.76	2.06	1.46	5.37	2.22	5.01	3.23	3.23	1.08	1.50	.76	.75
6	.76	1.72	1.47	5.72	2.57	3.58	3.23	2.59	1.04	1.39	.77	.74
7	.76	1.50	1.51	5.02	2.98	2.99	3.85	2.27	1.02	1.43	.79	.73
8	.76	1.33	1.67	6.05	2.86	2.69	8.34	2.05	1.00	1.46	.78	.72
9	.75	1.23	2.34	6.22	2.60	2.48	8.65	1.88	.99	1.28	3.08	.72
10	.88	1.12	3.94	5.62	2.44	2.29	8.35	2.03	1.00	1.34	2.90	.71
11	.93	1.08	3.92	5.28	2.42	2.22	7.90	2.54	.97	1.74	1.90	.71
12	.89	1.72	3.01	4.94	2.55	5.70	6.69	2.52	.91	1.33	1.48	.71
13	.85	2.28	2.45	4.29	2.52	7.41	3.93	2.80	.89	1.18	1.26	.71
14	.82	3.25	2.16	3.71	2.37	7.55	3.57	2.78	1.12	1.09	1.10	.74
15	.81	2.30	5.47	3.25	2.35	7.23	6.94	2.22	1.06	1.18	1.04	.75
16	.90	1.77	7.72	3.01	5.91	6.42	7.36	1.92	.95	1.23	.99	.74
17	.88	1.47	8.02	2.84	7.06	6.77	7.20	1.72	.89	1.15	.93	.73
18	.87	1.32	7.74	3.33	6.31	6.94	5.74	1.58	.86	1.06	.88	.73
19	.86	1.21	6.27	6.89	4.30	6.81	3.62	1.46	.91	1.01	.85	.74
20	.84	3.33	4.81	8.23	3.40	5.98	3.58	2.03	1.65	.99	.82	.75
21	.83	4.73	5.87	8.47	3.15	6.07	5.44	1.81	4.85	.96	.81	.74
22	.80	5.46	5.85	8.11	2.97	6.43	4.28	1.59	8.94	.93	.79	.73
23	.78	4.46	5.92	7.57	2.72	6.39	3.16	1.45	8.60	.90	.77	.72
24	.78	3.29	6.72	6.26	2.46	5.83	2.59	1.40	8.18	.86	.76	.71
25	.77	2.93	6.32	5.12	2.67	4.78	2.24	1.41	7.81	.84	.74	.71
26	.77	2.60	5.71	4.68	5.22	4.76	3.03	1.36	6.80	.82	.74	.72
27	.78	2.22	5.36	3.96	5.57	5.21	3.53	1.28	6.84	.81	.73	.72
28	.79	1.99	4.72	3.39	4.48	4.22	2.61	1.25	6.10	.80	.73	.70
29	.80	1.77	3.88	3.07	---	3.42	2.18	1.24	5.99	.79	.73	.71
30	1.97	1.65	3.42	2.87	---	3.48	3.48	1.20	4.89	.80	.75	.70
31	3.27	---	3.17	2.68	---	4.29	---	1.20	---	.80	.77	---
MAX	3.27	5.46	8.02	8.47	7.06	7.55	8.65	7.17	8.94	2.80	3.08	.81
MIN	.75	1.08	1.44	2.49	2.22	2.22	2.18	1.20	.86	.79	.73	.70

RED RIVER BASIN

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

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

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

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

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

REMARKS.--Drainage area does not include 412 mi² of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre-ft. Considerable regulation by Chivery Dam. Lakes are used for recreation. Lowest recorded stage, 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, 11.86 ft, Apr. 12; minimum, 8.64 ft, Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.88	9.19	9.68	10.34	10.24	10.31	10.30	9.89	9.26	10.36	9.01	9.00
2	8.87	9.26	9.66	10.23	10.15	10.37	10.17	10.05	9.21	10.30	8.99	8.99
3	8.86	9.31	9.61	10.14	10.06	10.38	10.05	10.09	9.16	10.24	8.97	8.99
4	8.85	9.42	9.59	10.11	9.99	10.34	10.04	10.10	9.14	10.16	8.98	8.96
5	8.85	9.41	9.53	10.08	9.93	10.28	9.98	10.07	9.14	10.10	9.00	8.93
6	8.84	9.40	9.49	10.04	9.88	10.20	9.90	10.01	9.12	10.05	8.99	8.91
7	8.82	9.40	9.46	10.06	9.82	10.16	9.95	9.91	9.11	9.98	8.98	8.89
8	8.83	9.38	9.42	10.11	9.77	10.10	10.57	9.80	9.08	9.88	8.97	8.87
9	8.79	9.36	9.48	10.11	9.72	10.05	11.29	9.72	9.08	9.77	8.99	8.86
10	8.79	9.34	9.53	10.15	9.69	10.02	11.65	9.70	9.08	9.72	9.04	8.84
11	8.79	9.33	9.52	10.16	9.68	10.02	11.83	9.61	9.09	9.76	9.13	8.81
12	8.77	9.43	9.52	10.15	9.65	10.27	11.82	9.57	9.12	9.70	9.29	8.78
13	8.76	9.40	9.52	10.13	9.61	10.46	11.68	9.51	9.12	9.64	9.39	8.77
14	8.74	9.39	9.51	10.09	9.58	10.41	11.55	9.45	9.11	9.58	9.40	8.79
15	8.73	9.38	9.73	10.06	9.56	10.37	11.51	9.40	9.09	9.54	9.37	8.81
16	8.81	9.37	9.94	10.03	9.61	10.43	11.40	9.36	9.07	9.50	9.33	8.78
17	8.82	9.36	10.01	9.99	9.60	10.58	11.28	9.32	9.05	9.45	9.29	8.77
18	8.81	9.35	10.06	9.99	9.64	10.57	11.15	9.29	9.04	9.41	9.26	8.76
19	8.79	9.33	10.10	10.18	9.70	10.53	11.00	9.28	9.05	9.36	9.23	8.75
20	8.78	9.39	10.21	10.48	9.78	10.52	10.90	9.23	9.15	9.32	9.20	8.76
21	8.78	9.43	10.28	10.71	9.88	10.52	10.76	9.21	9.28	9.28	9.17	8.76
22	8.78	9.60	10.30	10.93	9.94	10.51	10.63	9.20	9.47	9.25	9.16	8.74
23	8.78	9.65	10.36	11.06	10.11	10.54	10.52	9.18	9.83	9.21	9.14	8.74
24	8.78	9.70	10.50	11.10	10.27	10.53	10.43	9.19	10.19	9.18	9.12	8.73
25	8.78	9.74	10.58	11.00	10.37	10.53	10.35	9.21	10.39	9.15	9.10	8.71
26	8.77	9.75	10.66	10.88	10.43	10.52	10.24	9.22	10.51	9.13	9.08	8.72
27	8.78	9.74	10.67	10.75	10.40	10.48	10.11	9.23	10.54	9.11	9.05	8.71
28	8.79	9.72	10.73	10.63	10.36	10.43	10.00	9.25	10.54	9.09	9.04	8.68
29	8.80	9.71	10.69	10.54	---	10.35	9.91	9.27	10.50	9.08	9.02	8.67
30	9.04	9.71	10.55	10.44	---	10.34	9.86	9.29	10.44	9.05	9.01	8.65
31	9.09	---	10.44	10.34	---	10.38	---	9.29	---	9.03	9.00	---
MAX	9.09	9.75	10.73	11.10	10.43	10.58	11.83	10.10	10.54	10.36	9.40	9.00
MIN	8.73	9.19	9.42	9.99	9.56	10.02	9.86	9.18	9.04	9.03	8.97	8.65

RED RIVER BASIN

07353520 NANTACHIE LAKE NEAR ALOHA, LA

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

DRAINAGE AREA.--80.4 mi².

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

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

REMARKS.--No gage heights recorded below 2.14 ft. Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft concrete spillway. The crest of the spillway is 3.05 ft gage height. Drawdown structure consists of one 5- by 5-ft metal sluice gate that can be varied from -16.78 to -11.78 ft gage height. Area of lake is 1,580 acres, usable capacity, 11,200 acre-ft at 3.05 ft gage height. Gages were closed all year. Below lowest recordable stage of 2.14 ft, Sept. 8-30. 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, 5.15 ft, Apr. 9; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				3.39	3.38	3.41	4.03	3.33	3.15	3.27	2.88	2.61
2				3.34	3.36	3.54	4.00	3.54	3.13	3.23	2.86	2.62
3				3.31	3.35	3.57	3.86	3.64	3.11	3.20	2.84	2.61
4				3.33	3.34	3.54	3.88	3.67	3.10	3.16	2.82	2.59
5				3.39	3.34	3.48	3.89	3.60	3.10	3.14	2.81	2.57
6				3.39	3.36	3.41	3.85	3.50	3.08	3.12	2.81	2.55
7				3.45	3.37	3.36	3.94	3.42	3.07	3.11	2.83	2.53
8				3.59	3.37	3.32	4.77	3.36	3.04	3.10	2.83	2.51
9			2.14	3.62	3.35	3.29	5.10	3.32	3.03	3.09	2.83	2.50
10			2.16	3.64	3.34	3.27	4.78	3.36	3.03	3.08	2.83	2.48
11			2.15	3.65	3.34	3.27	4.37	3.34	3.05	3.11	2.83	2.46
12			2.14	3.65	3.33	3.51	4.06	3.33	3.23	3.11	2.85	2.43
13				3.63	3.30	3.92	3.85	3.30	3.37	3.10	2.84	2.42
14				3.59	3.28	4.10	3.78	3.27	3.31	3.09	2.82	2.42
15			2.19	3.53	3.27	4.05	3.85	3.25	3.25	3.09	2.81	2.43
16			2.18	3.48	3.33	4.02	3.75	3.23	3.20	3.11	2.82	2.41
17			2.16	3.43	3.37	4.14	3.67	3.21	3.17	3.11	2.81	2.39
18			2.14	3.41	3.38	4.10	3.59	3.20	3.15	3.10	2.79	2.38
19			2.16	3.72	3.36	4.02	3.52	3.22	3.15	3.09	2.78	2.39
20			2.19	4.28	3.34	3.92	3.49	3.23	3.22	3.08	2.76	2.48
21			2.19	4.46	3.33	3.80	3.45	3.22	3.35	3.06	2.75	2.48
22		2.16	2.17	4.33	3.31	3.72	3.42	3.20	3.62	3.05	2.77	2.47
23			2.24	4.11	3.28	3.80	3.39	3.18	3.92	3.03	2.75	2.46
24		2.16	2.67	3.93	3.26	3.81	3.36	3.18	3.79	3.01	2.73	2.45
25		2.15	3.05	3.76	3.29	3.80	3.35	3.20	3.61	2.99	2.72	2.44
26		2.14	3.40	3.64	3.39	3.74	3.33	3.19	3.51	2.98	2.70	2.44
27			3.55	3.56	3.43	3.65	3.30	3.17	3.47	2.96	2.68	2.44
28			3.55	3.51	3.43	3.57	3.28	3.17	3.43	2.95	2.66	2.41
29			3.51	3.47	---	3.51	3.26	3.16	3.38	2.94	2.64	2.40
30			3.46	3.44	---	3.51	3.27	3.15	3.32	2.92	2.63	2.38
31		---	3.42	3.41	---	3.86	---	3.16	---	2.90	2.62	---
MAX				4.46	3.43	4.14	5.10	3.67	3.92	3.27	2.88	2.62
MIN				3.31	3.26	3.27	3.26	3.15	3.03	2.90	2.62	2.38

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, 7,680 ft³/s, April 8, gage height, 16.62 ft; minimum gage height, 3.65 ft, September 12,13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.87	7.51	4.77	5.97	5.74	5.78	7.35	6.73	5.40	5.49	4.14	3.86
2	3.85	8.02	4.70	5.80	5.67	12.48	6.28	10.49	4.79	5.20	4.07	3.82
3	3.83	5.85	4.63	5.70	5.58	9.02	5.97	7.53	4.61	5.00	4.03	3.79
4	3.82	8.57	4.59	5.89	5.52	7.06	11.29	6.42	4.53	4.91	4.04	3.75
5	3.80	6.65	4.58	8.20	5.51	6.33	10.40	5.96	4.47	4.93	4.09	3.73
6	3.79	5.38	4.56	6.89	6.01	5.96	7.98	5.72	4.44	4.74	4.02	3.71
7	3.78	4.90	4.54	8.06	6.14	5.75	8.24	5.58	4.40	4.62	3.99	3.69
8	3.80	4.67	4.53	11.27	5.75	5.59	16.45	5.44	4.36	4.54	3.97	3.69
9	3.81	4.54	6.04	8.22	5.52	5.47	14.76	5.31	4.33	4.48	3.98	3.68
10	3.80	4.45	8.85	7.66	5.42	5.38	10.03	6.04	4.30	4.52	4.04	3.68
11	3.86	4.40	6.44	7.96	5.55	5.46	8.53	7.46	4.45	7.55	4.01	3.67
12	3.90	4.73	5.58	7.68	5.64	10.36	7.84	6.01	7.34	5.65	3.99	3.66
13	3.81	6.34	5.24	7.32	5.43	10.15	7.40	5.56	5.90	4.95	3.98	3.67
14	3.78	5.36	5.06	6.61	5.30	7.34	7.18	5.34	5.04	4.68	3.93	3.71
15	3.77	4.80	9.84	6.27	5.27	6.54	8.21	5.16	4.76	4.68	3.90	3.81
16	4.04	4.57	12.10	6.10	5.81	9.84	7.39	5.04	4.60	5.84	3.89	3.85
17	4.45	4.45	7.88	5.92	6.05	12.06	6.82	4.95	4.44	5.55	3.86	3.82
18	4.41	4.39	6.80	5.83	5.55	8.40	6.60	4.88	4.35	4.85	3.88	3.82
19	4.10	4.36	6.46	9.63	5.32	7.19	6.45	4.96	4.33	4.61	3.88	3.80
20	3.96	6.52	7.50	13.50	5.27	7.05	6.38	4.92	4.57	4.48	3.85	3.79
21	3.90	8.17	8.01	10.91	5.33	8.18	6.81	4.83	6.02	4.40	3.88	3.81
22	3.87	9.84	7.33	8.33	5.33	7.75	6.47	4.77	7.51	4.34	3.91	3.76
23	3.86	7.43	7.64	7.37	5.14	14.00	6.12	4.72	9.05	4.28	4.04	3.72
24	3.85	6.23	11.76	7.10	5.02	9.38	5.98	4.73	10.22	4.23	3.92	3.70
25	3.85	6.59	8.34	6.95	5.48	7.72	5.88	4.88	8.01	4.19	3.85	3.68
26	3.84	5.88	10.16	6.47	8.47	7.32	5.77	5.09	9.76	4.15	3.81	3.68
27	3.86	5.36	8.15	6.20	6.56	6.80	5.65	4.94	10.23	4.11	3.78	3.74
28	3.89	5.11	7.08	6.05	5.83	6.46	5.55	4.88	9.50	4.09	3.77	3.71
29	3.89	4.96	6.63	5.99	---	6.24	5.47	4.78	6.93	4.08	3.78	3.69
30	4.55	4.86	6.38	6.00	---	6.22	5.50	4.70	5.96	4.13	3.99	3.67
31	5.88	---	6.17	5.84	---	7.81	---	5.01	---	4.16	3.91	---
MAX	5.88	9.84	12.10	13.50	8.47	14.00	16.45	10.49	10.23	7.55	4.14	3.86
MIN	3.77	4.36	4.53	5.70	5.02	5.38	5.47	4.70	4.30	4.08	3.77	3.66

RED RIVER BASIN

07355130 RED RIVER AT BOYCE, LA

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

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

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

REMARKS.--Water-quality samples are non-integrated.

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

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN	OXYGEN	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML.)	
			WATER WHOLE FIELD (STAND- ARD UNITS)					DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)		
OCT 1992											
27...	1500	676	8.14	21.0	15	4.4	8.4	29	1.6	K27	
NOV 18...	1030	728	8.24	10.0	10	16	7.4	27	0.2	--	
DEC 17...	1015	414	7.71	9.5	40	100	9.8	29	2.6	3000	
JAN 1993											
14...	0720	312	7.37	8.5	50	65	10.8	37	3.2	K6500	
FEB 16...	1015	497	7.56	11.0	20	40	10.4	23	--	K430	
MAR 15...	1540	558	7.96	11.0	30	100	11.2	16	--	2100	
APR 12...	1100	469	7.71	16.0	50	95	9.2	20	--	2500	
MAY 10...	1630	352	7.54	23.0	15	60	7.8	19	0.9	K1000	
JUN 23...	1500	427	7.39	26.0	10	120	6.0	26	1.1	3300	
JUL 22...	0730	754	7.90	31.0	5	4.5	6.5	--	1.0	K80	
AUG 18...	0730	545	7.62	32.0	5	6.0	5.9	14	1.2	K15	
SEP 15...	1425	982	8.31	27.0	5	4.0	6.0	15	1.5	K20	
DATE		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 1992											
27...	K6	150	260	71	19	47	3.8	220	48	58	
NOV 18...	170	92	230	61	18	70	4.5	167	74	91	
DEC 17...	980	1800	98	26	8.0	39	3.3	60	49	55	
JAN 1993											
14...	K210	K180	79	22	5.8	28	2.5	48	37	40	
FEB 16...	<20	K20	130	35	9.6	44	3.2	79	60	62	
MAR 15...	K1000	--	140	38	11	51	2.8	82	74	73	
APR 12...	K130	K71	120	34	9.7	45	2.8	78	65	65	
MAY 10...	--	K20	100	28	7.4	29	2.3	75	43	40	
JUN 23...	--	1000	130	35	10	33	3.0	82	51	49	
JUL 22...	K30	250	250	67	20	62	3.8	171	88	83	
AUG 18...	K7	K10	160	44	13	44	2.9	111	70	58	
SEP 15...	<10	K10	300	77	25	81	4.8	205	130	110	

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

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

RED RIVER BASIN

07355130 RED RIVER AT BOYCE, LA--Continued

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

DATE	RESIDUE	SOLIDS,	RESIDUE	NITRO- GEN, NO ₂ +NO ₃	GEN,AM- MONIA + ORGANIC	NITRO- GEN, TOTAL	PHOS- PHORUS TOTAL	PHOS- PHORUS TOTAL	CARBON, ORGANIC TOTAL
	AT 180 DEG. C DIS- SOLVED (MG/L)	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)						
OCT 1992									
27...	394	4	<0.01	0.10	0.62	0.72	0.08	0.03	7.5
NOV									
18...	430	14	0.01	0.03	0.60	0.63	0.14	0.05	7.2
DEC									
17...	228	176	0.02	0.23	0.58	0.81	0.22	0.14	5.9
JAN 1993									
14...	172	72	0.02	0.17	0.41	0.58	0.15	0.07	7.5
FEB									
16...	286	60	0.01	0.24	0.46	0.70	0.09	0.10	7.2
MAR									
15...	316	164	0.02	0.27	0.82	1.1	0.18	0.08	7.4
APR									
12...	290	116	0.02	0.25	0.80	1.0	0.20	0.05	8.2
MAY									
10...	218	60	0.02	0.25	0.71	0.96	0.13	0.10	7.2
JUN									
23...	256	264	0.03	0.41	0.87	1.3	0.27	0.27	9.3
JUL									
22...	432	10	<0.01	0.02	0.48	0.50	0.04	0.03	6.5
AUG									
18...	320	16	0.02	0.05	0.40	0.45	0.05	0.04	6.3
SEP									
15...	529	8	0.01	0.06	0.80	0.86	0.04	0.03	6.5

DATE	ARSENIC	BERYL-	CADMIUM	CHRO-	COPPER,	IRON,	LEAD,	MANGA-
	TOTAL (UG/L AS AS)	LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	TOTAL RECOV- ERABLE (UG/L AS CD)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)				
OCT 1992								
27...	1	<1	<1	1	4	270	2	120
JAN 1993								
14...	2	3	<1	3	4	2500	3	77
APR								
12...	<1	<1	<1	<1	4	90	<1	7
JUL								
22...	1	<10	<1	<1	2	290	1	100

DATE	MERCURY	NICKEL,	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC,	CYANIDE	PHENOLS	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
	TOTAL RECOV- ERABLE (UG/L AS HG)	TOTAL RECOV- ERABLE (UG/L AS NI)		TOTAL RECOV- ERABLE (UG/L AS ZN)			
OCT 1992							
27...	<0.1	3	<1	10	0.01	2	<1
JAN 1993							
14...	<0.1	3	<1	10	<0.01	3	<1
APR							
12...	<0.1	4	<1	5	<0.01	--	<1
JUL							
22...	<0.1	2	<1	<10	<0.01	<1	3

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

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA

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

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

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

PERIOD OF DAILY RECORD.--

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

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

CHLORIDE: October 1974 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1982.

REMARKS.--Discharge data will be entered into the water-quality file when made available by the Army Corps of Engineers. Water-quality samples are non-integrated on all dates except Oct. 27, Jan. 13, April 13, and July 21.

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 1992 TO SEPTEMBER 1993

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 1992										
27...	1300	548	8.30	21.0	15	2.1	8.7	2.0	27	250
NOV										
19...	0730	753	8.25	14.5	15	7.7	9.4	2.0	25	--
DEC										
17...	1110	444	7.97	9.5	30	120	10.2	2.9	25	2900
JAN 1993										
13...	1545	319	7.48	11.0	30	91	11.2	3.3	31	4400
FEB										
16...	1150	489	8.06	12.0	50	50	10.8	--	35	K830
MAR										
15...	1400	551	7.80	11.0	40	100	11.2	--	18	1800
APR										
13...	0730	455	7.84	18.0	60	89	8.2	1.1	25	1000
MAY										
10...	1115	350	7.53	22.5	15	60	7.7	0.7	22	K1200
JUN										
23...	1330	471	7.49	26.0	15	120	6.4	1.0	30	2200
JUL										
21...	1345	661	7.89	33.5	5	2.5	6.9	1.0	19	220
AUG										
17...	1500	678	7.99	27.5	5	6.0	6.3	0.7	19	K30
SEP										
15...	1250	953	8.43	27.5	5	3.0	6.4	1.1	15	K60

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

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

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

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)
OCT 1992										
27...	K40	350	190	51	14	35	2.9	183	36	42
NOV 19...	K50	140	220	59	18	68	4.5	165	74	92
DEC 17...	1300	1500	100	27	8.1	42	3.4	64	53	60
JAN 1993										
13...	K380	420	80	22	6.1	28	2.5	51	39	41
FEB 16...	K20	K40	130	36	9.6	44	3.2	82	59	61
MAR 15...	K470	--	140	37	11	50	2.8	83	73	72
APR 13...	K290	K40	130	35	9.8	40	2.5	75	60	65
MAY 10...	--	K20	100	28	7.3	29	2.3	74	43	40
JUN 23...	--	370	140	38	11	37	2.9	87	58	53
JUL 21...	K65	K10	210	57	16	51	3.5	145	76	70
AUG 17...	K13	K5	200	52	16	55	3.3	114	91	74
SEP 15...	K80	<10	290	75	25	80	5.1	198	120	110
DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	
OCT 1992										
27...	0.2	4.7	318	296	5	0.01	<0.01	0.06	<0.05	
NOV 19...	0.2	--	442	415	8	0.01	--	0.02	--	
DEC 17...	0.1	--	254	232	136	0.02	--	0.22	--	
JAN 1993										
13...	0.1	6.9	197	177	205	--	0.02	--	0.20	
FEB 16...	0.1	--	288	262	82	0.02	--	0.28	--	
MAR 15...	0.1	--	308	296	184	0.02	--	0.34	--	
APR 13...	0.1	6.0	270	261	471	--	<0.01	--	0.26	
MAY 10...	0.1	--	222	194	104	0.02	--	0.29	--	
JUN 23...	0.1	--	282	252	378	0.03	--	0.37	--	
JUL 21...	0.3	0.56	372	358	16	--	0.01	--	<0.05	
AUG 17...	0.2	--	398	360	34	0.01	--	0.03	--	
SEP 15...	0.2	--	578	534	8	0.01	--	0.03	--	

< 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 1992 TO SEPTEMBER 1993

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	
OCT 1992									
27...	0.01	<0.01	0.50	0.07	0.01	0.01	<0.01	6.8	
NOV									
19...	0.01	--	0.62	0.04	--	0.03	--	7.0	
DEC									
17...	0.05	--	0.61	0.19	--	0.13	--	7.0	
JAN 1993									
13...	--	0.04	0.50	0.13	0.04	--	0.03	7.8	
FEB									
16...	0.04	--	0.54	0.12	--	0.07	--	8.0	
MAR									
15...	0.02	--	0.84	0.17	--	0.09	--	8.8	
APR									
13...	--	0.04	0.70	0.18	0.03	--	0.02	8.1	
MAY									
10...	0.03	--	0.81	0.10	--	0.11	--	7.9	
JUN									
23...	0.05	--	0.85	0.28	--	0.23	--	8.6	
JUL									
21...	--	0.03	0.60	0.03	0.02	--	<0.01	6.8	
AUG									
17...	0.02	--	0.55	0.05	--	0.04	--	6.3	
SEP									
15...	0.05	--	0.74	0.04	--	0.03	--	6.9	
DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)
OCT 1992									
27...	<10	<1	110	1	<1	<1	<3	3	180
JAN 1993									
13...	50	2	59	3	<1	6	<3	5	4600
APR									
13...	50	3	80	<1	<1	--	<3	5	3400
JUL									
21...	10	1	130	<10	<1	<1	<3	2	330
DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 1992									
27...	4	4	6	80	<1	<0.1	<10	2	<1
JAN 1993									
13...	91	5	4	140	10	<0.1	10	7	1
APR									
13...	97	4	7	150	5	<0.1	<10	5	1
JUL									
21...	10	3	7	90	2	<0.1	<10	1	<1

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

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

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

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRONTIUM, DIS- SOLVED (UG/L AS SR)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOVER. GRAVIMETRIC (MG/L)	
OCT 1992 27...	<1	<1	<1	430	<6	10	0.02	<1	<1	
JAN 1993 13...	--	<1	<1	190	<6	30	<0.01	1	<1	
APR 13...	<1	<1	<1	300	<6	20	<0.01	<1	<1	
JUL 21...	<1	<1	<1	470	<6	20	<0.01	<1	<1	
DATE	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)	ALPHA, 2 SIGMA SED SUS TOT DRY AS TH-230 (PCI/L)	BETA, 2 SIGMA SED, SUSP, TOT DRY SR90Y90 (PCI/L)		
OCT 1992 27...	1.7	1.1	0.96	1.3	<1.0	0.02	0.44	0.61		
JAN 1993 13...	0.62	0.46	0.68	1.0	<1.0	0.14	5.9	2.1		
APR 13...	1.7	1.0	1.0	1.1	<1.0	0.03	5.9	2.0		
DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)		
OCT 1992 27...	1.5	0.6	5.5	0.9	4.2	0.8	0.09	0.93		
JAN 1993 13...	<0.6	12	3.2	7.9	2.4	7.1	0.80	0.43		
APR 13...	2.1	13	3.3	8.8	2.4	8.0	0.16	1.0		
DATE	PCB, TOTAL (UG/L)	NAPHTHA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
OCT 1992 27...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 17...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 16...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 23...	<0.1	<0.1	<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

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

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

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 1992									
27...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC									
17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB									
16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN									
23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 1992									
27...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
DEC									
17...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
FEB									
16...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
JUN									
23...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
DATE	SEDIMENT, SUS- PENDEED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM							
OCT 1992									
27...	16	80							
JAN 1993									
13...	458	64							
APR									
13...	364	76							
JUL									
21...	17	91							

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

RED RIVER BASIN

07355600 RED RIVER AT MONCLA, LA (CE 04657)

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

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

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

REMARKS.--Water-quality samples are non-integrated.

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

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN	OXYGEN	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
			WATER WHOLE FIELD (STAND- ARD UNITS)					DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
OCT 1992										
28...	0715	429	7.89	21.0	15	7.6	7.5	25	1.0	--
NOV										
18...	1440	657	8.10	16.0	15	7.2	7.3	21	0	--
DEC										
17...	1448	483	7.72	9.0	30	90	10.2	29	2.7	1300
JAN 1993										
13...	1140	324	7.41	9.5	70	65	11.0	23	3.7	2800
FEB										
16...	1415	494	8.11	12.0	30	50	11.0	23	--	K330
MAR										
15...	0930	561	8.10	10.0	30	100	10.8	<10	--	1700
APR										
12...	1550	528	7.85	17.0	50	80	9.1	24	--	1100
MAY										
10...	1450	342	7.53	22.5	20	50	7.7	35	0.8	K140
JUN										
23...	0850	508	7.66	26.0	10	120	6.8	24	0.9	1800
JUL										
21...	1215	626	7.78	32.0	5	15	6.0	24	0.4	K320
AUG										
17...	1230	755	7.93	31.5	5	5.0	6.7	33	0.8	80
SEP										
15...	0830	859	8.44	26.0	5	5.0	6.3	15	0.7	K33
DATE		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINTY	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
									WAT WH TOT FET FIELD MG/L AS CACO3	
OCT 1992										
28...	310	170	150	42	11	30	3.4	144	29	34
NOV										
18...	140	K35	200	52	16	60	4.5	149	63	79
DEC										
17...	720	880	110	29	9.4	47	3.6	64	60	66
JAN 1993										
13...	580	K440	83	23	6.2	29	2.6	52	39	42
FEB										
16...	K60	<20	130	36	9.6	44	3.2	80	60	62
MAR										
15...	K300	--	140	39	11	52	2.8	86	74	74
APR										
12...	K210	K150	130	36	10	48	2.8	83	69	70
MAY										
10...	--	<20	97	27	7.2	28	2.3	74	41	38
JUN										
23...	--	260	150	41	12	41	3.0	96	65	60
JUL										
21...	K17	5	200	52	16	50	3.4	130	73	68
AUG										
17...	K20	K7	230	59	19	64	3.5	130	100	85
SEP										
15...	250	<10	240	63	21	69	4.0	189	100	92

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

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

RED RIVER BASIN

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

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

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1992									
28...	252	8	<0.01	0.11	0.27	0.38	0.07	0.04	5.8
NOV									
18...	378	4	0.01	0.07	0.48	0.55	0.05	0.05	6.9
DEC									
17...	276	152	0.02	0.21	0.46	0.67	0.23	0.12	5.8
JAN 1993									
13...	199	196	0.02	0.16	0.58	0.74	0.08	0.08	8.0
FEB									
16...	282	74	0.02	0.27	0.49	0.76	0.09	0.10	7.5
MAR									
15...	322	234	0.02	0.29	0.81	1.1	0.21	0.09	--
APR									
12...	314	174	0.02	0.31	0.35	0.66	0.17	0.05	8.5
MAY									
10...	218	126	0.03	0.32	0.81	1.1	0.14	0.13	8.0
JUN									
23...	300	188	0.04	0.38	0.86	1.2	0.31	0.18	9.6
JUL									
21...	354	<1	0.01	0.04	0.57	0.61	0.06	0.06	6.7
AUG									
17...	444	24	0.01	0.05	0.43	0.48	0.05	0.04	6.3
SEP									
15...	480	14	0.02	0.06	0.53	0.59	0.04	0.03	6.8

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 1992								
28...	1	1	<1	1	7	180	52	50
JAN 1993								
13...	2	3	<1	3	4	2900	5	87
APR								
12...	3	<1	<1	6	5	3600	5	140
JUL								
21...	1	<10	<1	<1	3	590	27	90

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1992							
28...	<0.1	2	<1	10	0.01	1	<1
JAN 1993							
13...	<0.1	4	<1	10	<0.01	1	<1
APR							
12...	<0.1	7	<1	20	<0.01	--	<1
JUL							
21...	<0.1	3	<1	10	<0.01	1	<1

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

RED RIVER BASIN

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

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

DRAINAGE AREA.--67,700 mi², approximately, of which 5,936 mi² above Denison Dam is noncontributing.

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

REMARKS.--Water-quality samples are non-integrated and collected from upstream side of lock.

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

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN	OXYGEN	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	
			WATER WHOLE FIELD (STAND- ARD UNITS)					DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)		
OCT 1992											
28...	0820	383	7.85	21.0	15	5.4	7.6	21	1.1	K60	
NOV 18...	1340	623	8.02	18.0	20	9.5	6.7	23	--	--	
DEC 17...	1400	540	7.80	9.0	20	65	10.6	15	2.6	680	
JAN 1993											
13...	1240	325	7.58	9.5	60	85	11.0	25	3.9	3100	
FEB 16...	1320	524	7.80	12.0	30	40	11.0	33	--	K600	
MAR 15...	1025	560	7.84	9.5	60	120	11.2	16	--	4500	
APR 12...	1420	517	7.76	16.0	50	80	9.0	27	--	2100	
MAY 10...	1315	346	7.66	23.0	20	75	7.6	24	0.6	K340	
JUN 23...	1130	508	7.43	26.0	10	140	6.9	24	1.0	1200	
JUL 21...	1345	624	7.74	33.0	5	7.5	6.4	24	0.1	210	
AUG 17...	1130	711	7.69	30.0	5	2.0	7.1	15	0.6	K50	
SEP 15...	1030	852	8.51	28.0	5	5.0	6.4	15	0.8	K400	
DATE		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 1992											
28...	K32	130	130	36	9.2	28	3.4	120	28	32	
NOV 18...	92	K40	190	51	15	54	4.5	150	56	71	
DEC 17...	K180	380	120	32	9.9	53	3.7	68	67	75	
JAN 1993											
13...	K400	400	83	23	6.2	28	2.5	51	39	42	
FEB 16...	K100	K30	140	38	10	48	3.2	80	65	68	
MAR 15...	K800	--	150	41	11	52	3.0	82	74	74	
APR 12...	K180	K88	140	37	11	48	2.8	80	69	70	
MAY 10...	--	K220	110	31	8.3	28	2.3	79	42	37	
JUN 23...	--	270	150	41	12	41	3.0	97	66	60	
JUL 21...	K15	<5	190	52	15	49	3.3	128	70	66	
AUG 17...	<3	<3	210	56	18	58	3.4	126	94	79	
SEP 15...	K60	<10	250	65	22	72	4.4	176	110	98	

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

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

RED RIVER BASIN

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

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

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1992									
28...	222	<1	<0.01	0.08	0.25	0.33	0.07	0.04	5.2
NOV									
18...	348	4	0.01	0.12	0.54	0.66	0.06	0.07	7.0
DEC									
17...	306	136	0.01	0.21	0.69	0.90	0.12	0.09	6.9
JAN 1993									
13...	188	104	0.02	0.16	0.49	0.65	0.16	0.08	7.9
FEB									
16...	302	58	0.01	0.27	0.45	0.72	0.08	0.09	7.4
MAR									
15...	316	284	0.02	0.29	0.85	1.1	0.26	0.10	9.4
APR									
12...	316	180	0.02	0.27	0.49	0.76	0.14	0.06	8.2
MAY									
10...	202	136	0.03	0.34	0.58	0.92	0.14	0.12	7.7
JUN									
23...	300	352	0.02	0.45	1.2	1.7	0.40	0.20	8.4
JUL									
21...	344	<1	0.01	<0.02	0.43	0.43	0.04	0.05	6.6
AUG									
17...	418	16	<0.01	0.04	0.52	0.56	0.24	0.03	5.6
SEP									
15...	482	16	<0.01	<0.02	0.68	0.68	0.02	0.02	6.9

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 1992								
28...	1	1	<1	<1	4	90	2	25
JAN 1993								
13...	2	3	2	3	4	2900	3	93
APR								
12...	2	<1	<1	3	6	2700	3	100
JUL								
21...	1	<10	<1	<1	2	400	5	80

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1992							
28...	<0.1	2	<1	<5	0.01	1	<1
JAN 1993							
13...	<0.1	5	<1	10	<0.01	1	<1
APR							
12...	<0.1	6	<1	10	<0.01	<1	<1
JUL							
21...	<0.1	2	<1	<10	<0.01	1	1

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

RED RIVER BASIN

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

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

DRAINAGE AREA.--10,787 mi².

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

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

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

REMARKS.--Estimated daily discharges. Indefinite stage-discharge relationship: Feb. 10-18, 26-27, May 30 to June 5, June 24 to July 10. Records poor. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Several measurements of water temperature were made during the year.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.02 ft, Apr. 23; minimum daily discharge, 878 ft³/s, Sept. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5610	2060	5350	---	---	---	---	---	e5800	e5000	2810	1450
2	5460	2530	3930	---	---	---	---	---	e5500	e4700	2850	1500
3	2940	2280	3560	---	---	---	---	---	e5000	e4300	4110	1340
4	1960	2200	3250	---	---	---	---	---	e4500	e4000	4010	1430
5	2160	2170	3260	---	---	---	---	---	e4000	e3800	3990	1280
6	3190	2200	2800	---	---	---	---	---	3630	e3700	2930	1280
7	2430	2220	2760	---	---	---	---	---	3330	e3300	2440	1090
8	2630	2230	2280	---	---	---	---	---	2480	e2900	6060	1060
9	1820	2100	3320	---	---	---	---	---	3060	e3000	7510	1190
10	2910	1780	4410	---	e9000	---	---	---	4180	e4300	5110	1040
11	3130	1730	5800	---	e8500	---	---	---	4550	3820	3450	993
12	3040	2290	8530	---	e8000	---	---	---	4090	3140	2880	1020
13	1730	2230	10000	---	e7800	---	---	---	4210	1860	3500	1090
14	1720	2100	9860	---	e7400	---	---	---	4930	2370	2710	1160
15	2160	2800	9160	---	e7000	---	---	---	4010	2230	3190	1010
16	2280	2260	9700	---	e7500	---	---	---	4220	2780	2580	1090
17	2340	2140	13700	---	e8000	---	---	---	6220	2970	2370	958
18	3030	2640	16800	---	e10000	---	---	---	8120	2950	2740	916
19	1890	2380	18600	---	---	---	---	---	8510	2900	2600	916
20	1520	2830	---	---	---	---	---	---	8080	3160	2610	878
21	1710	3640	---	---	---	---	---	---	8330	2470	1880	1140
22	1510	6300	---	---	---	---	---	---	11200	3710	1720	1030
23	1400	10100	---	---	---	---	---	---	15900	3170	1970	1140
24	1410	12100	---	---	---	---	---	---	e17000	2450	1810	1180
25	1370	12800	---	---	---	---	---	---	e17000	2300	1710	1400
26	1390	11800	---	---	e15000	---	---	---	e15000	2200	3210	3050
27	3070	11000	---	---	e14000	---	---	---	e12000	2180	2560	2470
28	1740	9250	---	---	---	---	---	---	e10000	2070	1560	1900
29	1700	7290	---	---	---	---	---	---	e8000	2610	1620	1380
30	2100	5720	---	---	---	---	---	---	e8000	2610	1620	1380
31	1780	---	---	---	---	---	---	e7500	---	2070	1420	---
TOTAL	73130	135170	---	---	---	---	---	---	219350	94540	91540	38791
MEAN	2359	4506	---	---	---	---	---	---	7312	3050	2953	1293
MAX	5610	12800	---	---	---	---	---	---	17000	5000	7510	3050
MIN	1370	1730	---	---	---	---	---	---	2480	1860	1420	878

e Estimated

RED RIVER BASIN

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.11	8.69	11.00	21.83	22.58	19.73	21.33	23.90	16.54	15.69	9.23	8.20
2	11.02	9.09	10.03	21.65	22.47	20.21	21.12	23.79	15.69	14.90	9.28	8.27
3	9.34	8.88	9.74	21.38	22.30	20.53	20.86	23.63	13.78	14.18	10.10	8.09
4	8.60	8.82	9.51	21.02	22.07	20.86	20.57	23.48	12.06	13.21	9.99	8.16
5	8.77	8.79	9.50	20.57	21.78	21.11	20.20	23.36	10.59	12.40	9.99	8.03
6	9.47	8.79	9.17	20.15	21.44	21.31	19.52	23.25	9.87	11.53	9.33	7.99
7	8.93	8.79	9.15	20.13	21.03	21.47	19.09	23.16	9.65	10.16	9.00	7.81
8	9.11	8.79	8.79	20.25	20.55	21.59	20.14	23.10	9.07	9.91	11.35	7.74
9	8.48	8.76	9.54	20.37	19.75	21.69	20.86	23.03	9.43	9.98	12.31	7.85
10	9.28	8.47	10.32	20.56	18.85	21.75	21.56	23.05	10.20	10.35	10.85	7.72
11	9.43	8.43	11.19	20.77	18.15	21.72	22.06	22.98	10.43	9.98	9.70	7.65
12	9.38	8.87	12.89	21.00	17.69	21.63	22.46	22.90	10.14	9.53	9.28	7.65
13	8.43	8.84	13.82	21.20	17.54	21.50	22.81	22.85	10.18	8.55	9.74	7.70
14	8.41	8.71	13.73	21.35	16.98	21.28	23.14	22.81	10.68	8.91	9.18	7.79
15	8.78	9.24	13.35	21.50	16.41	21.07	23.49	22.80	10.07	8.83	9.51	7.65
16	8.84	8.84	13.67	21.61	16.85	20.86	23.77	22.78	10.18	9.21	9.07	7.74
17	8.86	8.75	15.92	21.68	17.42	20.60	24.00	22.76	11.46	9.36	8.91	7.61
18	9.37	9.10	17.64	21.74	18.38	20.39	24.21	22.72	12.67	9.33	9.19	7.55
19	8.54	8.92	18.63	21.77	19.18	20.35	24.43	22.67	12.93	9.30	9.09	7.54
20	8.22	9.26	19.57	21.86	19.75	20.44	24.62	22.58	12.67	9.47	9.07	7.49
21	8.39	9.84	20.02	21.97	20.04	20.58	24.78	22.47	12.85	9.00	8.56	7.73
22	8.25	11.54	20.31	22.07	20.11	20.73	24.90	22.33	14.62	9.86	8.41	7.67
23	8.16	13.86	20.67	22.18	20.01	20.91	24.98	22.15	17.23	9.50	8.66	7.78
24	8.15	15.02	20.98	22.29	19.61	21.08	24.99	21.92	18.25	8.98	8.52	7.83
25	8.11	15.46	21.27	22.35	19.25	21.26	24.92	21.66	18.50	8.86	8.43	8.03
26	8.11	14.93	21.52	22.43	18.97	21.42	24.80	21.26	18.41	8.81	9.53	9.26
27	9.36	14.48	21.73	22.51	18.95	21.57	24.59	20.82	18.13	8.77	9.10	8.98
28	8.44	13.47	21.88	22.56	19.31	21.63	24.39	20.28	17.70	8.71	8.32	8.56
29	8.39	12.29	21.98	22.59	---	21.64	24.19	19.42	17.11	9.07	8.37	8.16
30	8.76	11.27	22.02	22.60	---	21.63	24.04	18.51	16.47	8.75	8.41	8.16
31	8.47	---	21.98	22.63	---	21.52	---	17.79	---	8.68	8.22	---
MAX	11.11	15.46	22.02	22.63	22.58	21.75	24.99	23.90	18.50	15.69	12.31	9.26
MIN	8.11	8.43	8.79	20.13	16.41	19.73	19.09	17.79	9.07	8.55	8.22	7.49

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	1.93	4.75	9.97	15.03	11.00	9.87	20.70	8.23	5.96	1.58	4.09
2	2.30	2.08	4.56	9.89	14.95	11.25	9.54	20.58	7.59	5.22	1.71	3.75
3	2.23	2.04	4.34	9.77	14.80	11.42	9.25	20.39	6.98	4.70	1.76	3.41
4	2.17	2.01	4.17	9.70	14.61	11.55	9.13	20.18	6.43	4.51	1.98	3.06
5	2.12	1.96	3.94	9.66	14.39	11.86	9.03	19.95	5.97	4.52	2.01	2.79
6	2.07	1.92	3.76	9.53	14.12	12.29	8.81	19.72	5.56	4.51	2.09	2.53
7	2.02	1.99	3.57	9.40	13.80	12.74	8.74	19.46	5.20	4.37	2.87	2.37
8	1.97	2.32	3.38	9.54	13.45	13.11	10.90	19.17	4.89	4.03	3.28	2.29
9	1.97	2.64	3.35	9.69	13.07	13.35	12.45	18.86	4.61	3.63	3.32	2.21
10	2.10	2.74	3.59	9.81	12.70	13.38	13.46	18.56	4.33	3.27	3.28	2.10
11	1.96	2.69	3.54	9.94	12.35	13.23	14.92	18.23	4.14	3.02	3.33	1.99
12	1.82	2.69	3.46	9.93	11.91	12.95	16.21	17.90	3.99	3.10	3.46	1.92
13	1.75	2.68	3.45	9.83	11.43	12.57	17.23	17.57	3.79	3.00	3.63	1.95
14	1.71	2.52	3.50	9.71	10.92	12.08	18.04	17.20	3.62	2.87	3.87	2.02
15	1.69	2.34	3.65	9.59	10.52	11.53	19.09	16.79	3.48	2.98	4.17	2.08
16	1.73	2.20	3.92	9.52	10.78	10.99	19.69	16.37	3.36	2.98	4.49	2.07
17	1.72	2.08	3.96	9.47	10.69	10.49	20.12	15.93	3.47	2.84	4.75	2.06
18	1.71	2.01	3.90	9.53	10.65	10.01	20.50	15.48	3.59	2.53	4.96	2.09
19	1.69	1.97	3.86	9.93	10.82	9.61	20.84	15.03	3.58	2.17	5.18	2.10
20	1.68	2.08	4.49	10.29	11.12	9.37	21.14	14.48	3.53	1.89	5.40	2.10
21	1.67	2.34	4.93	10.87	11.46	9.28	21.36	13.92	3.59	1.64	5.65	2.09
22	1.65	2.94	5.27	11.32	11.71	9.27	21.47	13.37	4.85	1.57	5.86	2.16
23	1.64	3.32	5.99	11.84	11.84	9.43	21.52	12.79	6.61	1.79	5.99	2.31
24	1.62	3.78	6.92	12.48	11.85	9.63	21.52	12.23	8.21	1.83	6.08	2.50
25	1.60	4.58	7.51	13.10	11.80	9.91	21.46	11.72	8.82	1.69	6.05	2.64
26	1.58	5.12	8.12	13.67	11.72	10.23	21.41	11.18	8.87	1.57	5.87	2.92
27	1.66	5.37	8.72	14.18	11.50	10.44	21.33	10.68	8.65	1.41	5.69	3.38
28	1.69	5.35	9.23	14.57	11.25	10.53	21.21	10.21	8.21	1.36	5.43	3.76
29	1.70	5.17	9.62	14.85	---	10.49	21.05	9.76	7.54	1.40	5.06	4.52
30	1.79	4.95	9.86	15.01	---	10.37	20.87	9.32	6.76	1.48	4.69	5.00
31	1.81	---	9.97	15.06	---	10.16	---	8.84	---	1.49	4.40	---
MAX	2.39	5.37	9.97	15.06	15.03	13.38	21.52	20.70	8.87	5.96	6.08	5.00
MIN	1.58	1.92	3.35	9.40	10.52	9.27	8.74	8.84	3.36	1.36	1.58	1.92

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 were open October 1 to January 6, and closed other times during the year.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.67 ft, June 22; minimum, 8.35 ft, Sep. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.96	8.97	9.42	9.63	9.62	9.69	9.62	9.56	9.22	9.71	8.94	8.67
2	8.94	9.00	9.40	9.60	9.60	9.91	9.56	9.56	9.19	9.64	8.91	8.65
3	8.93	9.01	9.38	9.57	9.58	10.01	9.52	9.56	9.18	9.58	8.89	8.64
4	8.92	9.10	9.37	9.61	9.56	9.99	9.54	9.52	9.18	9.52	8.91	8.62
5	8.91	9.09	9.35	9.67	9.55	9.91	9.54	9.50	9.16	9.47	8.94	8.59
6	8.90	9.07	9.35	9.66	9.54	9.85	9.52	9.48	9.15	9.43	8.97	8.57
7	8.88	9.06	9.35	9.65	9.52	9.81	9.60	9.45	9.14	9.40	9.06	8.55
8	8.88	9.05	9.33	9.66	9.50	9.76	10.18	9.42	9.12	9.37	9.07	8.53
9	8.85	9.04	9.39	9.67	9.49	9.72	10.34	9.41	9.10	9.34	9.06	8.51
10	8.85	9.04	9.45	9.78	9.48	9.68	10.25	9.50	9.10	9.31	9.05	8.49
11	8.85	9.04	9.44	9.81	9.50	9.63	10.15	9.49	9.09	9.29	9.04	8.46
12	8.83	9.17	9.43	9.81	9.49	9.70	10.05	9.49	9.08	9.27	9.03	8.44
13	8.83	9.18	9.42	9.78	9.46	9.74	9.97	9.46	9.08	9.25	9.02	8.41
14	8.81	9.18	9.41	9.73	9.44	9.69	9.95	9.43	9.08	9.23	9.00	8.43
15	8.80	9.17	9.63	9.70	9.52	9.66	10.19	9.41	9.08	9.21	8.99	8.44
16	8.87	9.17	9.84	9.68	9.90	9.76	10.13	9.39	9.07	9.19	8.97	8.41
17	8.86	9.17	9.85	9.65	9.94	9.94	10.04	9.37	9.06	9.17	8.95	8.40
18	8.85	9.17	9.81	9.73	9.90	9.98	9.97	9.36	9.05	9.15	8.93	8.38
19	8.83	9.17	9.77	9.90	9.84	9.95	9.90	9.36	9.04	9.14	8.92	8.38
20	8.82	9.41	9.88	10.05	9.81	9.95	9.86	9.34	9.16	9.13	8.90	8.42
21	8.82	9.57	9.92	10.10	9.80	9.94	9.80	9.32	9.95	9.12	8.88	8.41
22	8.81	9.71	9.90	10.07	9.74	9.91	9.73	9.29	10.64	9.13	8.86	8.40
23	8.81	9.67	9.91	10.00	9.69	9.88	9.68	9.28	10.54	9.11	8.84	8.40
24	8.80	9.64	9.91	9.99	9.65	9.82	9.63	9.28	10.36	9.08	8.81	8.39
25	8.80	9.62	9.88	9.92	9.68	9.79	9.62	9.28	10.23	9.06	8.79	8.38
26	8.80	9.57	9.84	9.86	9.74	9.77	9.60	9.27	10.21	9.04	8.77	8.58
27	8.81	9.52	9.79	9.81	9.72	9.73	9.57	9.27	10.11	9.02	8.75	8.73
28	8.82	9.48	9.75	9.77	9.69	9.69	9.54	9.26	10.00	9.01	8.74	8.71
29	8.81	9.46	9.71	9.73	---	9.66	9.52	9.26	9.89	8.99	8.73	8.70
30	8.91	9.44	9.68	9.69	---	9.65	9.56	9.25	9.80	8.97	8.71	8.68
31	8.92	---	9.66	9.65	---	9.65	---	9.24	---	8.96	8.69	---
MAX	8.96	9.71	9.92	10.10	9.94	10.01	10.34	9.56	10.64	9.71	9.07	8.73
MIN	8.80	8.97	9.33	9.57	9.44	9.63	9.52	9.24	9.04	8.96	8.69	8.38

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

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

DRAINAGE AREA.--208 mi².

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 21	1800	1,860	7.90	Apr. 17	0800	1,990	7.99
Apr. 10	0300	3,350	8.92	Jun. 23	1500	*3,520	*9.01

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	81	48	140	124	314	187	209	30	37	6.2	2.6
2	15	68	43	133	110	600	139	188	30	30	5.7	2.3
3	12	68	39	117	100	853	114	193	28	26	16	2.0
4	14	92	38	121	91	765	98	246	25	23	35	1.9
5	15	89	39	236	84	873	129	426	22	19	31	1.9
6	11	53	42	355	81	750	152	700	19	17	28	1.9
7	11	38	47	401	79	491	194	540	18	16	68	1.7
8	11	30	48	475	74	289	1370	267	17	14	126	1.4
9	12	27	60	534	72	162	2610	82	15	13	59	1.3
10	11	29	153	517	70	121	2940	77	14	13	28	1.3
11	12	28	193	519	89	98	1500	121	12	28	19	1.0
12	13	33	191	520	112	109	813	189	11	23	14	.79
13	13	54	168	531	110	186	532	367	14	19	12	.69
14	15	54	112	478	95	173	392	508	28	19	9.9	1.3
15	17	50	153	381	102	148	1060	364	27	15	8.3	1.3
16	22	46	444	259	378	191	1660	214	21	13	10	1.1
17	32	40	657	172	564	482	1890	100	29	13	6.5	1.0
18	27	35	627	261	480	635	1200	53	33	12	5.2	.96
19	25	33	657	681	413	719	698	46	23	10	4.8	1.1
20	23	50	753	1130	363	770	461	60	23	9.0	4.7	1.7
21	23	157	851	1730	243	666	306	76	322	7.5	4.4	2.0
22	24	312	703	1520	150	503	189	73	2160	7.2	6.8	2.2
23	28	474	623	1040	116	502	131	47	3180	6.7	4.2	2.3
24	27	560	661	823	94	619	92	36	2210	6.2	2.5	2.2
25	27	491	639	657	100	561	74	35	1090	6.4	2.2	2.9
26	28	400	533	491	245	463	112	48	765	6.2	2.1	17
27	32	250	456	404	325	372	129	82	508	5.6	2.1	65
28	53	98	378	374	320	437	135	83	233	5.0	2.1	72
29	47	60	275	314	---	529	135	57	83	4.9	2.0	44
30	43	51	185	213	---	427	202	40	51	4.8	2.5	24
31	88	---	148	150	---	278	---	33	---	5.3	2.5	---
TOTAL	743	3851	9964	15677	5184	14086	19644	5560	11041	434.8	530.7	262.84
MEAN	24.0	128	321	506	185	454	655	179	368	14.0	17.1	8.76
MAX	88	560	851	1730	564	873	2940	700	3180	37	126	72
MIN	11	27	38	117	70	98	74	33	11	4.8	2.0	.69
AC-FT	1470	7640	19760	31100	10280	27940	38960	11030	21900	862	1050	521
CFSM	.12	.62	1.55	2.43	.89	2.18	3.15	.86	1.77	.07	.08	.04
IN.	.13	.69	1.78	2.80	.93	2.52	3.51	.99	1.97	.08	.09	.05

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1993, BY WATER YEAR (WY)

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

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR			FOR 1993 WATER YEAR			WATER YEARS 1956 - 1993		
ANNUAL TOTAL	98204.5			86978.34			210		
ANNUAL MEAN	268			238			502		
HIGHEST ANNUAL MEAN							52.3		
LOWEST ANNUAL MEAN							1958		
HIGHEST DAILY MEAN	4150	Feb	14	3180	Jun	23	20000	Apr	28
LOWEST DAILY MEAN	8.2	Jul	17	.69	Sep	13	.00	Aug	18
ANNUAL SEVEN-DAY MINIMUM	10	Jul	11	1.0	Sep	12	.00	Sep	21
INSTANTANEOUS PEAK FLOW				3520	Jun	23	24000	Jun	9
INSTANTANEOUS PEAK STAGE				9.01	Jun	23	17.54	Jun	9
INSTANTANEOUS LOW FLOW				.58	Sep	13	No flow at times in 1956, 1964, 1988.		
INSTANTANEOUS LOW STAGE				2.19	Jul	29			
ANNUAL RUNOFF (AC-FT)	194800			172500			151800		
ANNUAL RUNOFF (CFSM)	1.29			1.15			1.01		
ANNUAL RUNOFF (INCHES)	17.56			15.56			13.69		
10 PERCENT EXCEEDS	649			646			535		
50 PERCENT EXCEEDS	88			73			51		
90 PERCENT EXCEEDS	14			4.8			4.5		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.63	4.44	3.95	4.74	4.61	5.64	5.06	5.19	3.20	3.40	2.32	2.67
2	2.74	4.29	3.86	4.69	4.48	6.43	4.74	5.07	3.21	3.22	2.28	2.62
3	2.61	4.28	3.76	4.54	4.39	6.92	4.52	5.10	3.14	3.09	2.72	2.58
4	2.67	4.55	3.73	4.58	4.30	6.77	4.37	5.35	3.05	2.99	3.35	2.55
5	2.73	4.51	3.75	5.30	4.22	6.96	4.64	6.00	2.96	2.89	3.23	2.55
6	2.56	4.04	3.83	5.79	4.19	6.74	4.83	6.65	2.88	2.82	3.15	2.69
7	2.55	3.72	3.93	5.94	4.16	6.18	5.03	6.30	2.84	2.77	3.96	2.66
8	2.56	3.51	3.97	6.15	4.10	5.54	7.38	5.41	2.81	2.71	4.62	2.60
9	2.60	3.41	4.15	6.30	4.08	4.90	8.45	4.18	2.75	2.66	3.83	2.57
10	2.67	3.47	5.01	6.26	4.05	4.58	8.66	4.14	2.70	2.63	3.16	2.60
11	2.89	3.44	5.27	6.26	4.27	4.36	7.60	4.58	2.63	3.14	2.89	2.47
12	2.93	3.60	5.26	6.27	4.50	4.47	6.84	5.07	2.57	2.99	2.76	2.35
13	2.93	4.07	5.13	6.29	4.48	5.06	6.29	5.81	2.67	2.85	2.67	2.29
14	3.01	4.08	4.72	6.16	4.34	4.99	5.91	6.23	3.16	2.86	2.59	2.56
15	3.11	4.00	4.94	5.87	4.39	4.81	7.10	5.82	3.11	2.73	2.53	2.55
16	3.24	3.92	6.13	5.42	5.84	5.03	7.76	5.19	2.94	2.67	2.69	2.47
17	3.56	3.77	6.61	4.97	6.37	6.15	7.92	4.37	3.17	2.64	2.60	2.40
18	3.40	3.66	6.55	5.34	6.16	6.52	7.33	3.76	3.31	2.60	2.52	2.37
19	3.33	3.61	6.61	6.60	5.98	6.69	6.64	3.61	3.00	2.54	2.49	2.43
20	3.28	3.94	6.77	7.26	5.82	6.78	6.11	3.89	3.00	2.47	2.50	2.62
21	3.27	5.04	6.92	7.80	5.34	6.58	5.61	4.13	5.27	2.39	2.48	2.68
22	3.32	5.75	6.65	7.64	4.82	6.22	5.07	4.08	8.12	2.38	2.69	2.70
23	3.44	6.22	6.50	7.17	4.54	6.22	4.66	3.64	8.81	2.35	2.66	2.73
24	3.40	6.42	6.58	6.87	4.33	6.49	4.30	3.38	8.16	2.32	2.52	2.70
25	3.42	6.26	6.53	6.57	4.37	6.36	4.11	3.35	7.22	2.33	2.48	2.69
26	3.44	6.03	6.30	6.19	5.34	6.12	4.48	3.66	6.77	2.31	2.47	3.08
27	3.57	5.50	6.10	5.95	5.69	5.85	4.65	4.19	6.22	2.27	2.49	3.98
28	4.04	4.59	5.87	5.86	5.67	6.04	4.70	4.20	5.25	2.23	2.50	4.07
29	3.92	4.17	5.49	5.64	---	6.29	4.70	3.84	4.20	2.23	2.51	3.57
30	3.85	4.01	5.05	5.20	---	6.01	5.14	3.49	3.73	2.22	2.63	3.03
31	4.50	---	4.81	4.82	---	5.50	---	3.31	---	2.26	2.64	---
MAX	4.50	6.42	6.92	7.80	6.37	6.96	8.66	6.65	8.81	3.40	4.62	4.07
MIN	2.55	3.41	3.73	4.54	4.05	4.36	4.11	3.31	2.57	2.22	2.28	2.29

RED RIVER BASIN

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

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

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

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 42.17 ft, Apr. 11; minimum, 39.41 ft, Sept. 20.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.87	40.05	40.33	40.67	40.82	40.73	40.84	40.53	40.14	41.28	39.79	39.70
2	39.86	40.09	40.29	40.60	40.74	40.93	40.75	40.54	40.13	41.02	39.77	39.73
3	39.85	40.08	40.25	40.55	40.67	41.09	40.69	40.54	40.11	40.80	39.76	39.71
4	39.84	40.09	40.22	40.55	40.60	41.18	40.65	40.52	40.09	40.62	39.78	39.68
5	39.84	40.07	40.18	40.56	40.55	41.21	40.61	40.51	40.06	40.50	39.83	39.66
6	39.83	40.05	40.17	40.58	40.49	41.23	40.56	40.50	40.04	40.39	39.86	39.64
7	39.82	40.03	40.16	40.62	40.46	41.23	40.60	40.50	40.01	40.31	39.96	39.62
8	39.81	40.02	40.14	40.66	40.43	41.19	41.25	40.48	39.99	40.25	39.99	39.60
9	39.78	40.00	40.19	40.72	40.41	41.12	41.77	40.45	39.97	40.19	40.00	39.59
10	39.78	40.00	40.23	40.82	40.41	41.01	41.96	40.44	39.95	40.18	40.01	39.57
11	39.78	39.99	40.24	40.92	40.43	40.88	42.12	40.39	39.94	40.21	40.00	39.54
12	39.77	40.08	40.25	41.01	40.40	40.82	42.15	40.40	39.92	40.18	39.99	39.52
13	39.76	40.08	40.26	41.07	40.37	40.76	42.03	40.41	39.91	40.15	39.98	39.50
14	39.75	40.08	40.28	41.07	40.36	40.70	41.87	40.41	39.90	40.12	39.97	39.50
15	39.74	40.06	40.40	41.04	40.48	40.69	41.85	40.43	39.90	40.08	39.96	39.49
16	39.78	40.05	40.57	40.98	41.12	40.74	41.82	40.44	39.88	40.06	39.95	39.46
17	39.78	40.04	40.69	40.90	41.35	40.84	41.82	40.43	39.86	40.04	39.93	39.45
18	39.78	40.03	40.75	40.88	41.39	40.94	41.82	40.41	39.86	40.02	39.92	39.43
19	39.76	40.03	40.78	40.97	41.38	41.03	41.77	40.39	39.86	40.00	39.90	39.42
20	39.76	40.17	40.85	41.11	41.35	41.10	41.63	40.34	39.92	39.97	39.88	39.43
21	39.76	40.23	40.92	41.23	41.25	41.17	41.43	40.30	40.59	39.95	39.86	39.49
22	39.76	40.39	40.96	41.31	41.08	41.25	41.25	40.27	41.55	39.93	39.84	39.48
23	39.76	40.46	41.04	41.40	40.95	41.26	41.09	40.26	41.77	39.91	39.82	39.48
24	39.76	40.53	41.08	41.50	40.83	41.21	40.96	40.25	41.91	39.89	39.80	39.47
25	39.75	40.55	41.09	41.52	40.78	41.26	40.84	40.25	42.05	39.87	39.78	39.45
26	39.75	40.54	41.07	41.49	40.76	41.25	40.73	40.22	42.10	39.85	39.76	39.58
27	39.79	40.51	41.04	41.40	40.73	41.19	40.65	40.20	42.05	39.84	39.74	39.67
28	39.82	40.48	40.99	41.28	40.72	41.12	40.58	40.18	41.91	39.82	39.73	39.67
29	39.82	40.44	40.92	41.15	---	41.05	40.53	40.18	41.75	39.81	39.71	39.68
30	39.94	40.39	40.84	41.03	---	41.00	40.53	40.17	41.55	39.81	39.70	39.67
31	39.97	---	40.76	40.92	---	40.94	---	40.15	---	39.80	39.70	---
MAX	39.97	40.55	41.09	41.52	41.39	41.26	42.15	40.54	42.10	41.28	40.01	39.73
MIN	39.74	39.99	40.14	40.55	40.36	40.69	40.53	40.15	39.86	39.80	39.70	39.42

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, 34.07 ft, Apr 20; minimum, 30.54 ft, June 16.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.58	31.20	30.81	30.81	31.32	31.31	31.38	32.70	30.61	30.80	30.80	30.65
2	30.57	31.23	30.78	30.78	31.30	31.55	31.30	32.66	30.63	30.89	30.79	30.65
3	30.56	31.11	30.76	30.76	31.25	31.48	31.25	32.35	30.69	31.03	30.78	30.65
4	30.56	31.29	30.77	30.90	31.22	31.42	31.28	31.96	30.67	30.85	30.79	30.66
5	30.57	31.18	30.74	31.13	31.19	31.36	31.27	31.62	30.65	30.79	30.89	30.66
6	30.57	31.02	30.73	31.07	31.18	31.32	31.24	31.40	30.64	30.76	30.91	30.66
7	30.58	30.91	30.72	31.00	31.15	31.29	31.45	31.29	30.62	30.75	31.19	30.65
8	30.59	30.89	30.72	31.08	31.14	31.27	33.31	31.24	30.62	30.74	31.13	30.65
9	30.58	30.83	30.94	31.03	31.14	31.26	33.71	31.23	30.60	30.72	31.08	30.64
10	30.57	30.79	30.92	31.11	31.16	31.25	33.10	31.23	30.59	30.71	31.03	30.64
11	30.58	30.76	30.85	31.14	31.18	31.21	32.86	31.21	30.57	30.72	30.99	30.63
12	30.57	31.22	30.82	31.11	31.14	31.32	32.78	31.19	30.59	30.71	30.95	30.63
13	30.57	31.24	30.81	31.03	31.14	31.31	32.80	30.97	30.60	30.70	30.91	30.63
14	30.57	31.09	30.81	30.95	31.13	31.25	33.06	30.77	30.58	30.71	30.88	30.64
15	30.57	30.94	31.09	30.89	31.30	31.19	33.90	30.71	30.56	30.71	30.86	30.64
16	30.61	30.87	31.17	30.85	31.85	31.34	33.92	30.69	30.56	30.71	30.83	30.66
17	30.65	30.84	31.11	30.82	31.59	31.42	33.91	30.69	30.61	30.71	30.81	30.70
18	30.64	30.85	31.07	31.07	31.53	31.34	33.91	30.70	30.61	30.70	30.80	30.72
19	30.62	30.87	31.03	32.37	31.50	31.27	33.90	30.80	30.60	30.69	30.78	30.73
20	30.61	31.19	31.24	32.95	31.46	31.27	34.00	30.73	30.63	30.69	30.76	30.73
21	30.61	31.35	31.25	32.99	31.42	31.28	34.05	30.71	31.00	30.69	30.75	30.73
22	30.62	31.32	31.11	32.55	31.38	31.27	34.00	30.75	31.20	30.90	30.74	30.73
23	30.62	31.22	31.17	32.18	31.34	31.24	33.90	30.72	31.15	30.88	30.73	30.73
24	30.62	31.34	31.16	31.90	31.32	31.21	33.77	30.74	31.14	30.77	30.72	30.72
25	30.63	31.28	31.08	31.72	31.34	31.84	33.60	30.85	31.03	30.71	30.70	30.71
26	30.63	31.15	31.07	31.58	31.35	31.80	33.39	30.75	30.95	30.68	30.69	30.72
27	30.85	31.03	30.98	31.50	31.31	31.59	33.12	30.69	30.91	30.67	30.68	30.79
28	30.83	30.94	30.93	31.43	31.29	31.45	32.77	30.66	30.87	30.66	30.67	30.79
29	30.86	30.88	30.89	31.37	---	31.35	32.35	30.65	30.84	30.68	30.66	30.76
30	31.39	30.84	30.87	31.35	---	31.35	32.68	30.65	30.81	30.78	30.66	30.75
31	31.24	---	30.84	31.32	---	31.44	---	30.64	---	30.81	30.65	---
MAX	31.39	31.35	31.25	32.99	31.85	31.84	34.05	32.70	31.20	31.03	31.19	30.79
MIN	30.56	30.76	30.72	30.76	31.13	31.19	31.24	30.64	30.56	30.66	30.65	30.63

RED RIVER BASIN

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

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

DRAINAGE AREA.--15,630 mi².

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

REVISED.--WDR LA-81-1: 1981(M).

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 55.26 ft, Apr. 21; minimum elevation, 51.45 ft, Sep. 13.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.23	52.19	52.01	51.88	51.99	51.98	51.95	53.85	51.88	52.06	52.28	52.10
2	52.17	52.18	51.98	51.93	51.95	52.00	51.95	53.87	51.81	52.17	52.26	52.19
3	52.16	52.17	52.00	51.98	51.97	52.00	51.94	53.87	51.97	52.18	52.20	52.08
4	52.17	52.20	52.02	51.99	51.98	51.98	51.94	53.81	51.97	52.07	52.13	52.09
5	52.27	52.19	52.02	51.92	51.99	51.98	51.96	53.67	52.14	52.04	52.23	52.04
6	52.16	52.20	52.01	51.94	52.00	51.98	51.98	53.47	52.12	52.19	52.23	51.93
7	52.12	52.20	52.04	51.95	51.99	51.95	51.97	53.24	52.21	52.11	52.16	51.91
8	52.26	52.20	52.02	51.96	52.01	51.97	52.00	52.97	52.17	52.18	52.25	51.77
9	52.12	52.25	52.04	51.99	51.97	51.96	52.01	52.68	52.27	52.21	52.26	51.77
10	52.24	52.16	52.04	52.03	51.97	51.98	51.99	52.53	52.25	52.23	52.22	51.80
11	52.18	52.20	52.01	52.00	51.96	52.03	52.04	52.25	52.23	52.22	52.15	51.68
12	52.21	52.20	52.04	51.98	51.98	51.95	52.56	52.00	52.17	52.17	52.19	51.57
13	52.16	52.18	52.03	52.02	52.00	51.97	53.10	51.96	52.15	52.11	52.27	51.53
14	52.14	52.19	51.99	52.00	52.01	51.94	53.61	51.97	52.23	52.14	52.21	51.62
15	52.25	52.24	52.00	52.02	52.07	51.91	54.36	51.98	52.15	52.14	52.27	51.71
16	52.22	52.19	52.02	51.99	51.97	51.97	54.67	52.00	52.13	52.18	52.16	51.73
17	52.21	52.23	52.02	52.02	51.96	51.97	54.83	52.00	52.23	52.17	52.19	51.70
18	52.25	52.19	52.01	52.02	52.00	51.96	54.96	51.91	52.19	52.18	52.27	51.63
19	52.18	52.20	51.98	52.02	52.00	51.96	55.05	51.90	52.11	52.18	52.19	51.57
20	52.09	52.19	52.02	51.96	51.98	51.97	55.13	51.80	52.18	52.21	52.17	51.55
21	52.17	52.15	52.04	52.05	52.02	51.96	55.21	51.80	52.19	52.18	52.15	51.59
22	52.22	52.20	52.01	52.04	52.00	52.01	55.19	51.85	52.16	52.24	52.10	51.66
23	52.18	52.21	52.00	52.03	51.99	51.99	55.14	51.87	52.12	52.14	52.23	51.69
24	52.13	52.11	51.97	51.98	52.00	52.02	55.03	51.87	52.01	52.10	52.16	51.74
25	52.10	51.94	51.95	52.01	51.98	52.01	54.90	51.86	52.06	52.21	52.21	51.77
26	52.06	52.02	51.95	52.02	51.97	52.00	54.75	51.84	52.04	52.20	52.34	51.99
27	52.19	51.99	51.90	52.00	52.02	51.98	54.56	51.87	51.80	52.16	52.19	52.20
28	52.20	52.00	51.92	51.96	51.99	51.96	54.34	51.86	51.81	52.19	52.18	52.18
29	52.16	51.97	51.96	51.98	---	51.94	54.10	51.87	51.88	52.24	52.20	52.19
30	52.24	52.11	51.93	51.95	---	51.99	53.98	51.95	52.04	52.12	52.26	52.11
31	52.16	---	51.97	51.96	---	51.95	---	51.87	---	52.16	52.22	---
MAX	52.27	52.25	52.04	52.05	52.07	52.03	55.21	53.87	52.27	52.24	52.34	52.20
MIN	52.06	51.94	51.90	51.88	51.95	51.91	51.94	51.80	51.80	52.04	52.10	51.53

RED RIVER BASIN

07367640 OUACHITA RIVER AT COLUMBIA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°06'28", long 92°04'27", NE 1/4 SE 1/4 sec. 17, T. 13 N., R. 4 E., Caldwell Parish, Hydrologic Unit 08040207 on downstream side of bridge on U.S. Highway 165 at Columbia, 2.1 mi downstream from Bayou de Chene, and 4.2 mi downstream from Columbia Lock and Dam (station 07367630).

DRAINAGE AREA.--15,700 mi², approximately.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1981.

WATER TEMPERATURES: October 1975 to September 1981.

INSTRUMENTATION.--Water-quality monitor October 1975 to April 1981.

REMARKS.--Water-quality monitor removed April 1981. Samples for daily temperature and specific conductance were collected by an observer May to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 618 micromhos Oct. 3, 1977; minimum daily, 69 micromhos Mar. 4, 1975.

WATER TEMPERATURES: Maximum daily, 34.0 °C on several days in July and August 1981; minimum, 2.5 °C Jan. 15, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

A specific conductance of 59 microsiemens was observed Mar. 9, 1989.

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

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 1992											
29...	1150	2960	163	7.20	22.0	50	6.0	8.2	1.4	K30	K5
DEC											
16...	1000	10600	198	7.15	10.0	30	8.8	10.8	3.2	K50	K45
FEB 1993											
19...	0817	24800	115	6.75	8.5	40	40	10.2	0.3	K100	440
MAY											
12...	1000	36000	93	6.70	23.0	50	15	5.4	1.4	--	K160
JUL											
20...	0945	5680	143	6.56	31.0	50	4.3	5.3	1.1	--	K100

DATE	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 1992											
29...	32	9.1	2.1	18	2.0	31	16	19	0.1	6.0	97
DEC											
16...	34	10	2.3	21	2.9	29	22	25	<0.1	8.5	130
FEB 1993											
19...	21	5.7	1.6	11	2.5	15	10	16	<0.1	8.9	72
MAY											
12...	22	6.1	1.6	9.3	1.6	23	8.9	11	<0.1	4.7	63
JUL											
20...	27	7.3	2.1	17	2.0	24	11	22	<0.1	8.0	101

DATE	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT 1992										
29...	91	0.05	0.23	0.02	<0.01	0.4	0.07	0.03	0.03	0.01
DEC										
16...	109	0.03	0.19	0.15	0.15	1.9	0.09	0.03	0.04	0.03
FEB 1993										
19...	65	0.02	0.13	--	0.11	0.5	0.07	0.01	--	0.01
MAY										
12...	57	<0.01	0.11	--	0.05	0.5	0.07	0.05	--	0.02
JUL										
20...	82	0.03	0.18	--	0.09	0.6	0.05	0.03	--	0.01

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

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

RED RIVER BASIN

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

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

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 1992 29...	210	39	<3	160	<4	5	<10	3	<1	<1	130	<6
FEB 1993 19...	100	37	3	230	5	70	<10	3	<1	<1	81	<6
MAY 12...	100	38	<3	300	<4	49	<10	3	<1	<1	82	<6
JUL 20...	160	48	<3	610	<4	41	<10	3	<1	<1	130	<6
			ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)	ALPHA, 2 SIGMA SED SUS TOT DRY AS TH-230 (PCI/L)	BETA, 2 SIGMA SED, SUSP, TOT DRY SR90Y90 (PCI/L)		
				</								

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, Feb. 11, 1966; maximum gage height, 26.39 ft, present datum, May 5, 1991; no flow at times in 1966, 1974, 1977, 1978, and 1987-92 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, 22.46 ft, Apr. 10; minimum gage height, not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	95	41	74	58	123	744	2470	109	13	.00	6.8
2	.00	490	24	53	44	2220	411	2340	30	.00	.00	85
3	.00	214	10	44	45	3430	182	2530	.00	.00	88	174
4	.00	126	7.7	84	37	1770	129	1570	.00	.00	484	122
5	.00	483	9.4	659	29	830	227	699	.00	.00	552	46
6	.00	216	12	1160	29	453	174	382	.00	.00	1140	9.3
7	.00	77	17	721	48	262	512	187	.00	.00	3500	.00
8	.00	14	16	934	43	174	---	132	.00	.00	3640	.00
9	.00	.01	324	858	56	99	---	79	.00	.00	3200	.00
10	.00	.00	1760	849	41	77	---	224	.00	.00	2770	.00
11	.00	.00	1190	1600	174	59	---	488	.00	.00	1490	.00
12	.00	133	655	1780	585	66	---	440	.00	.00	310	.00
13	.00	360	355	1060	537	42	1100	1270	.00	.00	58	2.4
14	.00	200	192	595	257	10	594	632	.75	159	15	25
15	.00	70	282	343	333	.15	---	213	72	63	5.9	61
16	.00	17	1240	198	---	8.5	---	52	48	347	.12	79
17	.00	.18	878	118	---	46	3070	.43	.98	191	.00	149
18	.00	.00	592	357	1420	141	1070	8.6	.00	46	.00	155
19	.00	.00	368	---	607	136	542	244	.00	11	.00	104
20	.00	165	2710	---	334	187	633	158	30	.00	.01	66
21	.00	1000	---	---	254	734	1090	130	1060	.00	21	51
22	.00	3630	3120	---	204	627	465	14	---	1100	68	48
23	.00	3260	2310	2630	186	1220	249	.00	---	948	104	35
24	.00	2350	---	1380	132	685	143	.00	---	458	14	7.6
25	.00	2180	1830	1830	87	793	149	243	2960	202	.00	.01
26	.00	1020	940	1330	147	692	1610	504	1580	55	.00	170
27	.00	514	626	596	165	332	841	267	858	.00	.00	1780
28	.00	277	430	377	184	185	344	89	622	.00	.00	1280
29	.00	147	286	286	---	94	168	74	747	.00	.00	528
30	.00	72	186	162	---	222	813	167	199	.00	3.2	214
31	.00	---	124	97	---	1210	---	196	---	.00	9.9	---
TOTAL	0.00	17110.19	---	---	---	16927.65	---	15803.03	---	3593.00	17473.13	5198.11
MEAN	.00	570	---	---	---	546	---	510	---	116	564	173
MAX	.00	3630	---	---	---	3430	---	2530	---	1100	3640	1780
MIN	.00	.00	---	---	---	.15	---	.00	---	.00	.00	.00
CFSM	.00	.73	---	---	---	.70	---	.65	---	.15	.72	.22
IN.	.00	.81	---	---	---	.80	---	.75	---	.17	.83	.25

RED RIVER BASIN

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.73	5.20	5.27	5.41	5.42	5.49	6.40	8.56	5.47	5.17	2.96	5.19
2	4.82	6.04	5.22	5.35	5.37	8.27	5.92	8.42	5.26	4.73	3.32	5.40
3	4.78	5.63	5.17	5.32	5.37	9.62	5.58	8.64	4.99	4.17	5.14	5.58
4	4.75	5.48	5.16	5.41	5.34	7.72	5.50	7.47	4.72	3.62	6.03	5.49
5	4.74	6.03	5.16	6.27	5.33	6.52	5.66	6.34	4.29	3.40	6.13	5.33
6	4.75	5.64	5.17	6.95	5.33	5.98	5.58	5.88	4.22	3.05	6.89	5.17
7	4.78	5.40	5.20	6.37	5.38	5.70	6.02	5.59	4.07	2.74	9.70	4.97
8	4.79	5.22	5.19	6.66	5.37	5.57	16.84	5.51	3.71		9.84	4.98
9	4.77	5.09	5.69	6.55	5.41	5.45	21.92	5.41	3.60		9.38	5.07
10	4.77	4.91	7.70	6.54	5.36	5.41	22.27	5.63	3.42		8.91	4.99
11	4.80	4.84	6.98	7.50	5.61	5.37	20.18	6.03	3.34		7.36	4.99
12	4.81	5.38	6.24	7.73	6.22	5.39	13.78	5.96	3.12		5.77	5.05
13	4.79	5.84	5.80	6.82	6.15	5.31	6.87	7.09	3.35	3.68	5.36	5.17
14	4.77	5.61	5.56	6.19	5.75	5.21	6.19	6.24	4.03	5.54	5.23	5.26
15	4.75	5.39	5.69	5.82	5.84	5.14	11.37	5.63	5.39	5.26	5.19	5.37
16	4.71	5.23	7.04	5.61	10.57	5.19	12.62	5.34	5.33	5.82	5.13	5.41
17	4.69	5.14	6.55	5.48	10.46	5.33	9.24	5.11	4.99	5.59	5.01	5.53
18	4.70	5.10	6.15	5.82	7.28	5.52	6.83	5.01	4.76	5.33	4.85	5.54
19	4.67	5.11	5.82	10.12	6.21	5.51	6.11	5.68	4.52	5.20	4.96	5.46
20	4.63	5.45	8.84	12.88	5.81	5.59	6.23	5.55	4.80	4.95	5.07	5.39
21	4.59	6.75	10.61	14.31	5.69	6.39	6.86	5.50	6.78	4.44	5.24	5.34
22	4.55	9.83	9.30	12.91	5.62	6.24	6.00	5.18	12.46	6.76	5.38	5.33
23	4.54	9.45	8.38	8.75	5.59	7.03	5.69	4.94	14.92	6.67	5.46	5.29
24	4.55	8.42	10.07	7.25	5.51	6.32	5.52	4.80	12.43	5.99	5.20	5.19
25	4.56	8.21	7.79	7.80	5.43	6.47	5.53	5.65	9.12	5.62	4.91	5.11
26	4.56	6.75	6.67	7.19	5.53	6.33	7.51	6.06	7.47	5.32	4.70	5.42
27	4.55	6.03	6.24	6.24	5.56	5.80	6.53	5.71	6.56	4.77	4.63	7.74
28	4.41	5.69	5.94	5.92	5.59	5.59	5.82	5.43	6.23	4.20	4.57	7.10
29	4.43	5.49	5.74	5.79	---	5.44	5.57	5.37	6.40	3.58	4.87	6.09
30	4.58	5.36	5.59	5.61	---	5.63	6.45	5.56	5.61	3.12	5.18	5.63
31	4.73	---	5.49	5.50	---	7.01	---	5.61	---	2.86	5.21	---
MAX	4.82	9.83	10.61	14.31	10.57	9.62	22.27	8.64	14.92	---	9.84	7.74
MIN	4.41	4.84	5.16	5.32	5.33	5.14	5.50	4.80	3.12	---	2.96	4.97

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA

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

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

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

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

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

AVERAGE DISCHARGE.--55 years, 317 ft³/s, 229,700 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; minimum discharge, 1.4 ft³/s, Aug. 3, 4, 1986; minimum gage height, 2.61 ft, June 25, 1981.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,040 ft³/s, Apr. 11; minimum daily discharge, 3.2 ft³/s, July 31, Aug. 22, 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	435	37	32	17	19	354	117	30	44	3.8	5.4
2	7.7	611	29	26	13	71	261	275	26	22	4.2	6.1
3	8.3	557	25	21	10	97	166	366	22	11	4.2	7.0
4	14	499	24	21	16	153	106	295	20	6.6	6.3	7.6
5	19	348	22	33	23	146	68	212	18	5.0	8.2	7.8
6	22	229	22	38	18	102	47	142	16	4.9	6.7	7.8
7	25	146	22	47	50	63	61	90	15	5.1	7.6	7.5
8	30	90	20	63	264	40	360	58	14	5.4	14	7.0
9	33	57	50	74	295	27	745	41	14	5.4	57	6.8
10	36	40	77	72	e270	20	950	34	14	5.0	96	7.2
11	38	30	101	71	e185	16	e1040	28	14	9.9	95	8.1
12	37	37	104	75	e160	27	e1030	25	16	17	78	8.4
13	37	47	83	82	e150	37	924	25	25	20	53	10
14	37	89	61	76	e185	30	653	28	34	52	32	13
15	38	91	82	61	327	26	549	27	28	66	19	14
16	41	73	114	45	521	33	451	26	32	59	12	13
17	42	56	124	35	669	42	434	26	39	45	8.3	13
18	42	45	115	52	638	36	369	29	33	24	5.4	12
19	41	37	94	203	450	35	248	29	33	15	4.4	13
20	41	96	100	344	254	39	173	27	44	11	3.9	15
21	42	187	107	529	139	48	127	26	66	8.8	3.6	15
22	42	426	176	591	74	69	94	26	104	7.4	3.2	15
23	41	290	241	556	43	110	68	25	228	6.5	3.2	15
24	41	329	259	447	28	158	47	26	506	5.7	3.4	15
25	40	332	265	308	26	441	34	28	563	5.5	3.8	15
26	39	282	243	198	26	511	27	30	478	5.9	3.9	14
27	59	205	183	126	21	392	22	34	342	5.7	4.0	15
28	58	134	126	80	17	238	21	31	226	6.1	4.0	16
29	87	83	83	51	---	139	22	29	145	5.3	4.2	17
30	178	52	58	34	---	148	47	29	82	4.2	4.4	18
31	253	---	43	24	---	346	---	29	---	3.2	5.0	---
TOTAL	1477.0	5933	3090	4415	4889	3659	9498	2213	3227	497.6	561.7	344.7
MEAN	47.6	198	99.7	142	175	118	317	71.4	108	16.1	18.1	11.5
MAX	253	611	265	591	669	511	1040	366	563	66	96	18
MIN	7.7	30	20	21	10	16	21	25	14	3.2	3.2	5.4
AC-FT	2930	11770	6130	8760	9700	7260	18840	4390	6400	987	1110	684

CAL YR 1992 TOTAL 30126.6 MEAN 82.3 MAX 929 MIN 7.7 AC-FT 59760

WTR YR 1993 TOTAL 39805.0 MEAN 109 MAX 1040 MIN 3.2 AC-FT 78950

e Estimated

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.40	9.17	6.56	6.51	6.37	6.40	8.71	7.17	6.34	6.62	6.13	6.17
2	6.39	10.18	6.47	6.44	6.32	6.89	8.15	8.24	6.29	6.40	6.14	6.18
3	6.40	9.87	6.43	6.39	6.27	7.08	7.52	8.77	6.25	6.26	6.14	6.20
4	6.48	9.54	6.42	6.39	6.36	7.45	7.10	8.35	6.23	6.19	6.18	6.21
5	6.54	8.67	6.40	6.52	6.44	7.41	6.83	7.77	6.20	6.16	6.22	6.21
6	6.58	7.95	6.40	6.57	6.38	7.11	6.65	7.22	6.18	6.16	6.19	6.21
7	6.62	7.38	6.40	6.65	6.63	6.82	6.74	6.84	6.17	6.16	6.21	6.21
8	6.67	6.99	6.38	6.79	8.17	6.61	8.74	6.60	6.15	6.17	6.29	6.20
9	6.70	6.74	6.65	6.87	8.36	6.47	10.97	6.45	6.15	6.17	6.73	6.19
10	6.73	6.59	6.89	6.85	8.39	6.39	12.15	6.39	6.15	6.16	7.04	6.20
11	6.75	6.49	7.07	6.85	8.40	6.33	---	6.32	6.15	6.23	7.03	6.21
12	6.74	6.56	7.09	6.88	8.41	6.45	---	6.29	6.18	6.34	6.91	6.22
13	6.74	6.65	6.94	6.93	8.43	6.56	12.00	6.29	6.28	6.37	6.71	6.25
14	6.74	6.99	6.78	6.89	8.45	6.50	10.43	6.32	6.38	6.70	6.51	6.29
15	6.75	7.00	6.92	6.77	8.55	6.45	9.83	6.31	6.32	6.81	6.37	6.30
16	6.78	6.87	7.16	6.63	9.66	6.52	9.26	6.30	6.36	6.76	6.27	6.29
17	6.79	6.74	7.23	6.54	10.53	6.61	9.16	6.30	6.43	6.63	6.22	6.29
18	6.79	6.64	7.17	6.68	10.34	6.55	8.79	6.33	6.37	6.42	6.17	6.28
19	6.78	6.56	7.02	7.77	9.26	6.54	8.07	6.33	6.37	6.32	6.15	6.30
20	6.78	7.01	7.07	8.64	8.12	6.58	7.57	6.31	6.47	6.26	6.14	6.31
21	6.79	7.63	7.12	9.71	7.36	6.67	7.25	6.30	6.66	6.23	6.13	6.32
22	6.79	9.12	7.59	10.07	6.91	6.83	7.02	6.30	6.94	6.20	6.12	6.32
23	6.78	8.34	8.03	9.86	6.66	7.14	6.83	6.29	7.85	6.19	6.12	6.32
24	6.78	8.57	8.15	9.24	6.51	7.46	6.66	6.30	9.58	6.17	6.13	6.32
25	6.77	8.58	8.19	8.44	6.49	9.19	6.53	6.31	9.90	6.17	6.13	6.31
26	6.76	8.29	8.05	7.76	6.49	9.61	6.46	6.34	9.42	6.18	6.14	6.31
27	6.93	7.79	7.64	7.27	6.43	8.92	6.40	6.38	8.64	6.17	6.14	6.31
28	6.93	7.30	7.24	6.95	6.39	8.01	6.39	6.35	7.93	6.18	6.14	6.33
29	7.14	6.94	6.94	6.72	---	7.33	6.41	6.33	7.37	6.16	6.14	6.35
30	7.70	6.70	6.75	6.56	---	7.39	6.65	6.33	6.93	6.14	6.15	6.36
31	8.15	---	6.61	6.45	---	8.66	---	6.33	---	6.12	6.16	---
MAX	8.15	10.18	8.19	10.07	10.53	9.61	---	8.77	9.90	6.81	7.04	6.36
MIN	6.39	6.49	6.38	6.39	6.27	6.33	---	6.29	6.15	6.12	6.12	6.17

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

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

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

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

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

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

AVERAGE DISCHARGE.--55 years, 1,850 ft³/s, 1,340,000 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, 16,200 ft³/s, Apr. 11, gage height, 25.39 ft; minimum daily discharge, 39 ft³/s, Oct. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	1250	455	e1250	e470	624	3440	5650	e400	e1600	148	143
2	72	3040	345	1210	e430	3080	1410	7060	e310	e1300	142	182
3	71	1250	283	1150	e600	5470	e1150	e6800	e300	e1050	141	236
4	68	e2400	262	1090	e1000	4720	e1000	e6400	e500	555	428	342
5	72	e2000	242	1160	e1300	2710	e900	e5800	951	247	1480	315
6	67	e1200	218	1680	e1350	1410	e800	e5000	452	155	1490	249
7	63	e800	217	1650	1180	808	e750	e4000	154	114	3360	221
8	58	497	210	2070	951	651	10600	e3500	105	89	5200	193
9	62	233	407	2160	727	1260	15100	e3000	83	89	4550	193
10	64	170	2270	1880	579	1120	16000	e2500	76	71	3800	178
11	72	131	2690	2480	515	1010	15900	e2000	72	178	3110	123
12	70	745	1870	3360	655	e1120	14600	e1800	84	809	1970	101
13	72	1920	1370	2750	1020	e1200	10200	e1600	77	599	914	92
14	69	1120	979	1800	883	e1150	3630	e1490	85	568	338	138
15	69	558	909	1070	1070	e900	7890	e1300	91	560	254	290
16	73	309	2550	730	9810	e1200	9160	e1100	139	887	235	323
17	68	211	2510	1090	11500	e1500	6800	e900	320	935	190	300
18	45	150	1720	e1200	7540	e1400	3340	e700	337	565	162	292
19	43	128	1390	4820	2960	e1200	e2600	e640	237	350	161	270
20	39	737	2450	10200	e2100	e1400	e1800	e585	186	232	148	219
21	45	2600	5460	11600	e1600	1860	1390	e450	1100	164	182	191
22	53	4790	5250	10500	e1300	1910	e1150	e400	5510	427	223	161
23	48	6480	4630	7660	e1150	3080	e900	e350	11600	1690	263	132
24	45	4990	5970	4030	e1050	2420	e780	e300	11800	1260	215	129
25	47	4530	4740	e3200	979	5010	e670	e360	8660	751	135	110
26	47	2840	2630	e2700	890	5430	e600	e1100	6050	456	103	114
27	218	1440	1710	e2100	807	2380	e540	e1200	4990	223	87	653
28	295	e1200	e1200	e1500	698	e1500	e490	e1150	3380	118	91	1990
29	137	1050	e1050	e900	---	e1000	e480	e1050	e2600	85	81	1690
30	1340	695	e940	e600	---	e900	e1000	e900	e2000	125	76	896
31	1070	---	e980	e500	---	4550	---	e600	---	167	91	---
TOTAL	4637	49464	57907	90090	55114	63973	135070	69685	62649	16419	29768	10466
MEAN	150	1649	1868	2906	1968	2064	4502	2248	2088	530	960	349
MAX	1340	6480	5970	11600	11500	5470	16000	7060	11800	1690	5200	1990
MIN	39	128	210	500	430	624	480	300	72	71	76	92
AC-FT	9200	98110	114900	178700	109300	126900	267900	138200	124300	32570	59040	20760
CAL YR 1992	TOTAL	608164	MEAN	1662	MAX	14600	MIN	39	AC-FT	1206000		
WTR YR 1993	TOTAL	645242	MEAN	1768	MAX	16000	MIN	39	AC-FT	1280000		

e Estimated

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.04	4.48	2.64	4.88	7.52	3.13	14.01	15.98	6.90	7.87	1.47	1.45
2	1.02	9.49	2.28	4.67	7.07	8.51	11.40	18.48	6.49	5.96	1.44	1.64
3	1.01	7.80	2.06	4.52	6.61	13.88	9.89	16.76	5.92	4.34	1.44	1.87
4	.98	8.40	1.98	4.49	6.14	13.57	9.18	15.07	5.11	2.92	2.47	2.27
5	1.01	7.68	1.90	6.28	5.68	10.45	8.89	13.50	3.99	1.91	5.29	2.18
6	.98	6.46	1.80	7.21	5.15	7.67	8.44	12.50	2.61	1.51	5.32	1.93
7	.95	4.61	1.80	7.30	4.59	6.11	8.13	11.92	1.50	1.28	9.02	1.81
8	.92	2.74	1.77	8.62	3.99	5.26	19.91	11.46	1.23	1.13	12.47	1.69
9	.95	1.86	2.39	8.77	3.40	4.78	24.66	11.05	1.09	1.13	11.94	1.69
10	.96	1.58	7.07	8.09	3.00	4.44	25.24	10.66	1.04	1.01	10.69	1.62
11	1.02	1.38	8.73	9.08	2.82	4.14	25.36	10.42	1.01	1.44	9.30	1.34
12	1.00	3.20	7.17	10.69	3.21	4.45	25.08	10.11	1.10	3.62	7.06	1.21
13	1.02	6.30	5.27	9.83	4.18	5.57	23.61	10.04	1.05	3.06	3.90	1.15
14	1.00	4.42	4.07	8.05	3.82	5.36	19.60	9.97	1.11	2.97	2.25	1.41
15	.99	2.94	3.88	6.48	4.10	5.09	20.82	9.44	1.15	2.95	1.95	2.09
16	1.02	2.16	8.18	5.44	18.76	5.33	21.72	9.24	1.40	3.83	1.87	2.21
17	.99	1.77	8.54	4.85	21.82	6.87	20.18	9.13	2.19	3.95	1.68	2.13
18	.82	1.48	6.87	4.99	19.25	6.17	17.24	9.04	2.26	2.96	1.55	2.10
19	.81	1.37	5.41	14.23	13.74	5.72	14.96	8.95	1.88	2.30	1.54	2.01
20	.78	3.18	7.51	20.95	10.33	6.18	14.22	8.95	1.66	1.86	1.47	1.80
21	.83	8.87	13.82	22.48	8.78	8.58	14.39	8.86	4.29	1.55	1.64	1.68
22	.88	12.38	14.16	21.92	7.44	8.88	13.72	8.82	12.86	2.42	1.82	1.54
23	.85	15.54	13.49	19.44	6.06	10.73	13.11	8.78	21.13	5.79	1.99	1.39
24	.82	14.39	15.45	15.51	4.92	10.31	12.76	8.68	22.29	4.78	1.78	1.37
25	.84	13.82	14.14	13.38	4.07	13.13	12.40	8.74	20.23	3.46	1.40	1.26
26	.84	11.37	11.00	12.73	3.83	15.54	12.37	8.85	17.32	2.64	1.22	1.29
27	1.69	8.39	9.03	11.45	3.62	12.21	12.72	8.74	16.10	1.81	1.12	2.99
28	2.09	6.26	7.54	10.17	3.33	10.10	12.17	8.38	14.10	1.31	1.14	6.45
29	1.41	4.62	6.50	9.32	---	9.07	11.71	8.06	11.56	1.11	1.08	5.80
30	4.85	3.32	5.80	8.57	---	9.03	12.28	7.76	9.80	1.34	1.04	3.88
31	4.30	---	5.31	8.01	---	14.72	---	7.33	---	1.57	1.14	---
MAX	4.85	15.54	15.45	22.48	21.82	15.54	25.36	18.48	22.29	7.87	12.47	6.45
MIN	.78	1.37	1.77	4.49	2.82	3.13	8.13	7.33	1.01	1.01	1.04	1.15

RED RIVER BASIN

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

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

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

WATER-DISCHARGE RECORDS

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

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

REMARKS.--No estimated daily discharges. Records fair. 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.--57 years (water years 1936-93), 353 ft³/s, 255,700 acre-ft/y.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,480 ft³/s, June 23, gage height, 23.94 ft; maximum gage height, 24.73 ft, June 27; minimum discharge, 9.1 ft³/s, Oct. 20, gage height, 5.25 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	399	370	265	221	489	1400	1680	60	2940	71	41
2	23	540	310	191	172	804	1140	2210	50	2760	66	49
3	19	538	265	125	134	1060	852	2040	44	2540	108	57
4	15	1020	196	83	96	868	708	1700	40	2280	311	57
5	14	1100	139	123	82	682	670	1320	37	1960	400	51
6	13	873	92	188	70	554	615	1060	37	1660	500	41
7	12	651	60	211	47	467	565	898	36	1380	588	35
8	11	478	42	558	38	409	1430	780	36	1140	740	33
9	10	353	143	591	36	331	2250	690	37	944	644	31
10	9.9	279	797	460	36	272	2170	604	37	808	520	29
11	9.9	196	850	400	77	224	1940	560	37	710	407	26
12	9.9	140	670	409	105	198	1620	519	36	731	312	23
13	11	169	511	365	95	301	1300	469	33	699	242	22
14	11	187	401	285	76	311	1120	451	36	616	184	23
15	12	164	385	199	59	242	1730	427	42	541	137	31
16	13	129	728	131	1090	239	1860	389	43	459	107	31
17	13	93	757	90	1850	318	1670	332	41	405	89	28
18	11	58	605	75	1970	282	1410	278	39	351	81	27
19	9.9	34	469	526	1940	218	1180	231	36	275	81	25
20	9.6	69	915	1320	1760	196	1060	198	62	215	80	25
21	9.5	484	1140	1580	1510	388	1000	176	569	173	72	24
22	9.4	832	1050	1460	1290	447	897	129	2050	173	61	23
23	9.6	836	934	1190	1110	569	785	90	3430	176	51	25
24	10	992	1160	978	970	592	679	65	3420	147	46	23
25	11	1340	999	881	850	933	595	69	3380	114	43	21
26	12	1180	841	737	744	1410	518	109	3430	90	40	19
27	20	902	724	605	641	1200	456	122	3390	74	42	19
28	31	700	590	497	554	856	417	114	3320	61	47	18
29	30	562	477	408	---	646	378	111	3220	56	45	19
30	143	454	384	343	---	561	774	93	3100	61	43	18
31	357	---	319	287	---	1250	---	72	---	68	41	---
TOTAL	910.7	15752	17323	15561	17623	17317	33189	17986	30128	24607	6199	894
MEAN	29.4	525	559	502	629	559	1106	580	1004	794	200	29.8
MAX	357	1340	1160	1580	1970	1410	2250	2210	3430	2940	740	57
MIN	9.4	34	42	75	36	196	378	65	33	56	40	18
AC-FT	1810	31240	34360	30870	34960	34350	65830	35680	59760	48810	12300	1770
CAL YR 1992	TOTAL 120750.7			MEAN 330		MAX 2060		MIN 9.4		AC-FT 239500		
WTR YR 1993	TOTAL 197489.7			MEAN 541		MAX 3430		MIN 9.4		AC-FT 391700		

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.98	9.76	10.34	8.79	8.32	10.23	16.12	16.04	6.06	23.75	6.20	5.81
2	5.80	10.75	9.44	8.02	7.84	11.99	15.37	19.02	5.93	23.26	6.15	5.92
3	5.65	10.97	8.72	7.31	7.42	14.03	14.11	19.15	5.84	22.65	6.60	6.02
4	5.54	13.80	8.08	6.74	6.93	13.46	13.05	18.45	5.78	21.90	8.45	6.02
5	5.45	14.70	7.48	7.27	6.73	12.28	12.41	17.37	5.74	20.97	9.11	5.95
6	5.38	13.92	6.87	8.00	6.54	11.10	11.83	16.22	5.73	19.88	9.83	5.79
7	5.33	12.66	6.38	8.20	6.17	10.04	11.19	15.11	5.73	18.76	10.42	5.70
8	5.30	11.32	6.08	10.86	6.00	9.21	15.29	14.04	5.72	17.56	11.42	5.67
9	5.28	10.02	7.19	11.50	5.96	8.58	19.63	13.01	5.73	16.30	11.03	5.64
10	5.27	8.93	12.21	10.80	5.96	8.10	20.26	12.02	5.75	15.07	10.07	5.62
11	5.27	8.07	13.16	10.23	6.65	7.68	19.95	11.29	5.74	13.91	9.16	5.56
12	5.27	7.50	12.44	10.25	7.06	7.46	19.16	10.75	5.72	13.28	8.46	5.52
13	5.32	7.80	11.35	9.85	6.92	8.33	18.13	10.32	5.68	12.68	7.90	5.50
14	5.31	7.99	10.31	8.99	6.64	8.42	17.22	9.86	5.72	11.91	7.40	5.51
15	5.32	7.76	9.88	8.10	6.36	7.85	18.84	9.44	5.81	11.18	6.97	5.65
16	5.36	7.36	11.99	7.39	13.28	7.82	19.51	9.03	5.82	10.32	6.63	5.65
17	5.35	6.89	12.59	6.84	17.14	8.48	19.06	8.61	5.79	9.51	6.43	5.60
18	5.31	6.35	11.89	6.62	18.03	8.19	18.19	8.20	5.77	8.78	6.33	5.57
19	5.27	5.89	11.17	10.37	18.19	7.64	17.18	7.81	5.72	8.17	6.33	5.54
20	5.26	6.36	13.85	15.17	17.78	7.43	16.26	7.54	6.02	7.68	6.31	5.54
21	5.26	10.29	15.44	16.99	16.94	9.01	15.59	7.34	10.30	7.31	6.22	5.53
22	5.26	12.75	15.35	16.94	16.00	9.45	14.72	6.88	17.25	7.31	6.08	5.51
23	5.27	13.33	14.93	16.05	15.06	10.32	13.74	6.45	23.38	7.34	5.94	5.54
24	5.28	14.27	15.76	15.13	14.15	10.74	12.77	6.13	24.15	7.06	5.87	5.52
25	5.30	16.07	15.24	14.47	13.30	12.89	11.83	6.19	24.40	6.72	5.83	5.47
26	5.34	15.78	14.49	13.52	12.51	16.17	10.95	6.66	24.67	6.44	5.78	5.45
27	5.55	14.70	13.71	12.47	11.69	15.89	10.18	6.81	24.72	6.24	5.81	5.45
28	5.84	13.56	12.69	11.45	10.91	14.57	9.53	6.72	24.63	6.08	5.89	5.43
29	5.82	12.44	11.63	10.50	---	13.23	8.98	6.69	24.43	6.01	5.86	5.44
30	7.37	11.36	10.58	9.65	---	12.14	11.40	6.47	24.14	6.08	5.82	5.42
31	9.45	---	9.64	8.92	---	14.81	---	6.22	---	6.16	5.80	---
MAX	9.45	16.07	15.76	16.99	18.19	16.17	20.26	19.15	24.72	23.75	11.42	6.02
MIN	5.26	5.89	6.08	6.62	5.96	7.43	8.98	6.13	5.68	6.01	5.78	5.42

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

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

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

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

REMARKS.--The temperature range for the water-quality monitor, 0.0 °C to 36.5 °C. Water-quality monitor removed September 1979. Samples for daily temperature and specific conductance were collected by an observer October 1979 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 824 micromhos Sept. 3, 1981; minimum, 42 micromhos May 29, 1978.

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

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

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

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)
OCT 1992												
30...	1000	143	305	7.18	--	30	43	5.1	4.7	K5200	K50000	110
FEB 1993												
23...	1015	1110	70	6.87	11.0	60	36	8.4	--	K330	K100	28
APR												
16...	0930	1860	66	7.19	15.5	100	270	6.3	3.5	--	16000	26
JUL												
20...	1245	215	282	7.31	30.5	0	26	7.3	6.0	65	<50	120
DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992												
30...	28	9.7	11	7.1	116	12	12	0.1	13	184	172	0.07
FEB 1993												
23...	7.3	2.3	2.8	1.6	33	2.6	2.2	0.1	4.7	45	43	--
APR												
16...	6.9	2.1	1.9	2.4	31	2.0	1.1	<0.1	4.7	53	41	--
JUL												
20...	32	9.5	13	4.2	133	3.7	6.2	0.2	9.6	169	158	--
DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS Al)	BARIUM, DIS-SOLVED (UG/L AS Ba)	COBALT, DIS-SOLVED (UG/L AS Co)
OCT 1992												
30...	--	0.96	0.98	0.01	--	0.9	0.19	--	--	20	87	<3
FEB 1993												
23...	0.02	--	0.27	--	0.08	1.2	0.54	0.07	0.08	--	20	<3
APR												
16...	<0.01	--	0.12	--	0.02	0.7	0.22	0.12	0.11	120	18	<3
JUL												
20...	0.04	--	0.33	--	0.06	0.9	0.24	0.06	0.06	10	76	<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

07369500 TENSAS RIVER AT TENDAL, LA--Continued

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

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992												
30...	55	6	240	<10	5	<1	<1	130	<6	146	56	98
FEB 1993												
23...	110	<4	4	<10	3	<1	<1	32	<6	502	1500	100
APR												
16...	110	4	4	<10	2	<1	<1	30	<6	288	1400	99
JUL												
20...	7	5	140	<10	3	<1	<1	130	<6	110	64	98

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

RED RIVER BASIN

07370000 BAYOU MACON NEAR DELHI, LA

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

DRAINAGE AREA.--782 mi².

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

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,820 ft³/s, June 23, gage height, 21.80 ft; maximum gage height, 22.18 ft, June 24; minimum gage height, 6.58 ft, Aug. 28

DISCHARGE MEASUREMENTS MADE DURING THE YEAR

Date	Discharge (ft ³ /s)
March 30, 1993.....	873
June 24, 1993.....	6,990

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.88	8.24	7.31	7.51	7.24	7.43	11.05	12.89	7.47	8.32	6.76	6.83
2	6.89	10.66	7.26	7.43	7.23	8.66	9.23	16.24	7.40	7.62	6.85	6.87
3	6.89	9.76	7.23	7.37	7.22	9.30	8.22	17.37	7.35	7.32	7.24	6.84
4	6.88	9.27	7.23	7.40	7.23	8.59	8.01	17.24	7.25	7.10	7.63	6.96
5	6.88	8.32	7.21	8.08	7.28	8.06	8.29	15.51	7.19	7.19	8.36	6.96
6	6.88	7.70	7.21	8.06	7.29	7.76	8.10	12.61	7.12	7.15	8.12	6.93
7	6.86	7.38	7.23	7.91	7.23	7.54	8.01	9.48	7.08	7.09	8.40	6.96
8	6.87	7.20	7.23	8.53	7.17	7.40	11.83	8.03	7.04	7.04	8.96	6.94
9	6.86	7.10	7.80	8.42	7.15	7.31	17.06	7.76	7.06	7.04	8.29	6.93
10	6.87	7.03	9.42	8.16	7.15	7.30	18.69	7.81	7.05	6.95	7.76	6.97
11	6.89	6.99	8.79	8.24	7.33	7.24	17.94	8.36	7.01	7.21	7.41	6.97
12	6.89	7.35	8.09	8.34	7.43	7.33	16.07	8.17	7.10	9.93	7.25	6.98
13	6.90	8.25	7.71	8.18	7.38	7.57	13.50	7.91	7.40	10.18	7.17	7.02
14	6.89	7.76	7.50	7.93	7.29	7.43	10.98	7.89	7.51	9.71	7.08	7.02
15	6.89	7.38	7.77	7.72	7.72	7.26	14.57	7.82	7.51	9.16	7.06	7.08
16	6.91	7.16	9.30	7.57	14.74	7.32	15.78	7.70	7.51	8.44	7.10	6.99
17	6.89	7.06	8.88	7.48	17.49	7.64	14.09	7.57	7.61	8.30	7.01	6.99
18	6.87	7.01	8.23	7.48	16.56	7.56	11.51	7.46	7.44	7.96	6.91	6.97
19	6.86	6.98	7.87	9.53	13.75	7.35	9.05	7.50	7.31	7.57	6.85	6.96
20	6.86	7.53	8.89	12.22	10.24	7.40	8.25	7.73	7.41	7.30	6.92	6.92
21	6.88	9.19	9.96	13.51	8.18	8.37	8.74	7.50	9.43	7.09	6.92	6.86
22	6.88	9.55	9.39	12.85	7.96	8.12	8.47	7.18	13.49	7.00	6.89	6.81
23	6.88	8.96	9.08	10.71	7.76	9.01	8.05	6.94	20.70	7.20	6.86	6.81
24	6.88	9.12	9.85	8.93	7.58	8.72	7.80	6.98	22.09	7.60	6.85	6.77
25	6.89	9.90	9.15	8.39	7.49	9.41	7.67	7.71	21.86	7.60	6.81	6.74
26	6.90	9.07	8.70	8.03	7.58	9.90	7.98	7.66	21.08	7.48	6.75	6.76
27	7.11	8.28	8.50	7.80	7.60	8.60	8.34	7.35	19.46	7.25	6.64	6.85
28	7.18	7.85	8.13	7.62	7.50	7.94	8.02	7.44	16.97	6.91	6.61	6.89
29	7.09	7.58	7.88	7.47	---	7.65	7.77	7.33	13.98	6.77	6.68	6.90
30	8.22	7.41	7.71	7.35	---	8.15	9.94	7.34	10.78	6.84	6.81	6.85
31	8.06	---	7.60	7.28	---	10.98	---	7.48	---	6.82	6.88	---
MAX	8.22	10.66	9.96	13.51	17.49	10.98	18.69	17.37	22.09	10.18	8.96	7.08
MIN	6.86	6.98	7.21	7.28	7.15	7.24	7.67	6.94	7.01	6.77	6.61	6.74

RED RIVER BASIN

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

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

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to current year. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only).

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

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

REMARKS.--No estimated daily discharges. Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. Several measurements of water temperature were made during the year.

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

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Jan. 21	1600	(ft ³ /s) 4,370	(ft) 13.7	Apr. 10	0730	(ft ³ /s) *5,100	(ft) *13.93

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	195	143	371	307	495	1120	667	45	363	137	23
2	18	282	120	313	274	609	664	1200	39	235	95	22
3	18	335	101	267	253	972	415	1330	34	164	50	22
4	18	338	94	248	234	1120	331	924	28	119	34	23
5	18	293	109	407	216	1190	353	536	25	88	31	23
6	15	229	97	567	204	1000	341	332	23	69	32	22
7	16	156	90	712	196	618	366	235	20	54	89	22
8	17	99	84	761	191	419	1630	175	18	43	175	22
9	20	71	102	745	186	332	3920	135	20	36	112	23
10	24	58	243	823	178	276	4980	109	24	32	133	23
11	24	48	402	880	170	238	3750	121	26	29	103	21
12	25	48	459	859	171	323	2420	142	62	26	65	15
13	25	65	367	810	185	731	1590	151	47	28	51	12
14	26	98	244	692	180	1060	1020	146	36	37	38	11
15	25	147	321	559	165	1090	885	141	36	36	27	12
16	27	132	887	449	284	1010	1080	105	33	40	22	17
17	27	95	1540	379	657	983	1130	78	30	96	19	17
18	24	76	1590	392	1340	1220	1270	111	26	94	17	17
19	22	62	1530	1250	2250	1310	1180	1120	22	63	17	17
20	23	66	1270	3330	1790	1380	795	844	36	46	22	20
21	21	125	920	4560	1170	1570	700	411	67	35	23	22
22	19	377	847	4020	695	1750	673	268	158	27	23	21
23	19	629	944	2840	476	1760	660	164	386	23	22	22
24	20	884	1060	2050	381	1500	505	109	805	22	22	22
25	19	932	1090	1490	320	1110	348	94	1500	23	22	21
26	19	813	1020	1070	370	848	272	109	2530	20	22	22
27	18	530	976	812	459	701	255	150	1860	18	21	20
28	21	346	847	621	521	576	240	141	1150	16	21	19
29	23	231	699	495	---	449	206	95	639	16	21	20
30	48	172	545	414	---	474	281	69	482	22	22	19
31	96	---	440	355	---	1160	---	55	---	40	22	---
TOTAL	755	7932	19181	33541	13823	28274	33380	10267	10207	1960	1510	592
MEAN	24.4	264	619	1082	494	912	1113	331	340	63.2	48.7	19.7
MAX	96	932	1590	4560	2250	1760	4980	1330	2530	363	175	23
MIN	15	48	84	248	165	238	206	55	18	16	17	11
AC-FT	1500	15730	38050	66530	27420	56080	66210	20360	20250	3890	3000	1170

RED RIVER BASIN

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1993, BY WATER YEAR (WY)

MEAN	41.2	194	422	783	1088	774	738	724	269	169	34.2	27.8
MAX	407	1534	3981	3195	2499	1616	2748	3347	1482	2121	188	180
(WY)	1946	1942	1983	1945	1946	1953	1991	1953	1950	1989	1955	1957
MIN	2.00	2.33	3.77	20.0	54.0	124	63.8	10.8	8.23	2.06	.74	.50
(WY)	1957	1955	1955	1955	1981	1954	1978	1943	1956	1954	1954	1954

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR			FOR 1993 WATER YEAR			WATER YEARS 1939 - 1993		
ANNUAL TOTAL	140358			161422			435		
ANNUAL MEAN	383			442			893		
HIGHEST ANNUAL MEAN							1989		
LOWEST ANNUAL MEAN							67.3		
HIGHEST DAILY MEAN	3310	Mar	7	4980	Apr	10	36500	Dec	28
LOWEST DAILY MEAN	15	Oct	6	11	Sep	14	.40	Oct	1
ANNUAL SEVEN-DAY MINIMUM	17	Oct	2	14	Sep	12	.40	Oct	1
INSTANTANEOUS PEAK FLOW				5100	Apr	10	41500	Dec	28
INSTANTANEOUS PEAK STAGE				13.93	Apr	10	a21.20	Dec	28
INSTANTANEOUS LOW FLOW				10	Sep	14	.40	Aug	31
INSTANTANEOUS LOW STAGE				3.25	Sep	14	2.67	Sep	26
ANNUAL RUNOFF (AC-FT)	278400			320200			315300		
10 PERCENT EXCEEDS	988			1160			1110		
50 PERCENT EXCEEDS	132			158			76		
90 PERCENT EXCEEDS	24			20			8.2		

a From flood mark.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.65	6.74	6.33	8.62	8.22	9.23	10.77	9.77	4.63	8.48	5.97	3.80
2	3.56	7.80	6.01	8.26	7.95	9.62	9.80	10.92	4.48	7.28	5.35	3.79
3	3.55	8.27	5.73	7.88	7.75	10.52	8.85	11.10	4.35	6.37	4.52	3.79
4	3.58	8.30	5.62	7.69	7.52	10.79	8.38	10.42	4.18	5.73	4.17	3.80
5	3.58	7.91	5.86	8.79	7.31	10.91	8.52	9.36	4.10	5.27	4.09	3.80
6	3.44	7.18	5.67	9.50	7.16	10.57	8.44	8.34	4.01	4.92	4.10	3.79
7	3.46	6.21	5.56	9.96	7.05	9.66	8.55	7.46	3.90	4.62	5.20	3.77
8	3.52	5.40	5.47	10.10	6.99	8.88	11.34	6.70	3.84	4.38	6.50	3.79
9	3.66	4.93	5.73	10.06	6.92	8.38	13.30	6.14	3.88	4.22	5.62	3.80
10	3.79	4.65	7.56	10.23	6.82	7.96	13.87	5.78	4.05	4.10	5.91	3.80
11	3.82	4.45	8.79	10.35	6.71	7.57	13.20	5.95	4.13	4.01	5.49	3.75
12	3.82	4.45	9.08	10.31	6.72	8.20	12.26	6.23	4.96	3.92	4.85	3.48
13	3.84	4.81	8.58	10.20	6.91	9.96	11.44	6.36	4.64	3.98	4.56	3.32
14	3.86	5.37	7.63	9.91	6.84	10.69	10.60	6.29	4.40	4.24	4.27	3.27
15	3.85	6.09	8.07	9.46	6.63	10.73	10.36	6.22	4.37	4.23	3.94	3.34
16	3.89	5.86	10.31	9.03	7.86	10.60	10.72	5.72	4.28	4.31	3.76	3.57
17	3.92	5.33	11.39	8.67	9.75	10.55	10.81	5.28	4.19	5.35	3.64	3.61
18	3.81	5.01	11.44	8.71	11.08	10.96	11.03	5.61	4.05	5.35	3.56	3.60
19	3.73	4.74	11.38	10.83	12.12	11.08	10.88	10.75	3.91	4.79	3.59	3.64
20	3.75	4.82	11.02	12.93	11.67	11.18	10.16	10.21	4.33	4.46	3.79	3.75
21	3.69	5.77	10.43	13.66	10.86	11.42	9.94	8.81	4.98	4.20	3.83	3.85
22	3.62	8.41	10.28	13.36	9.88	11.63	9.85	7.80	6.34	3.95	3.82	3.85
23	3.60	9.70	10.47	12.60	9.14	11.64	9.81	6.55	8.60	3.83	3.79	3.88
24	3.63	10.36	10.69	11.93	8.68	11.33	9.25	5.78	10.13	3.78	3.77	3.92
25	3.62	10.45	10.73	11.32	8.31	10.77	8.45	5.56	11.28	3.81	3.78	3.90
26	3.60	10.20	10.61	10.70	8.61	10.28	7.88	5.78	12.36	3.70	3.76	3.92
27	3.58	9.35	10.54	10.20	9.08	9.93	7.70	6.35	11.74	3.60	3.73	3.88
28	3.69	8.45	10.28	9.68	9.33	9.53	7.52	6.23	10.82	3.53	3.74	3.82
29	3.76	7.48	9.93	9.22	---	9.03	7.11	5.56	9.73	3.54	3.75	3.87
30	4.42	6.74	9.42	8.86	---	9.07	7.93	5.12	9.17	3.76	3.77	3.83
31	5.34	---	8.99	8.52	---	10.83	---	4.83	---	4.24	3.78	---
MAX	5.34	10.45	11.44	13.66	12.12	11.64	13.87	11.10	12.36	8.48	6.50	3.92
MIN	3.44	4.45	5.47	7.69	6.63	7.57	7.11	4.83	3.84	3.53	3.56	3.27

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in NW 1/4 sec.41, T.9 N., R.1 E., Grant - La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft upstream from Louisiana Midland Railway Co. bridge, 1.1 mi northeast of Zenoria, and 3.0 mi southeast of Rochelle.

DRAINAGE AREA.--1,899 mi².

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

REVISED RECORDS.--WDR LA-1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft above sea level. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi upstream from base gage at same datum. Nonrecording gage read twice daily at auxiliary gage from Jan. 3, 1983 to Sept. 30, 1986.

REMARKS.--Estimated daily discharges. No auxiliary gage heights and/or periods of indefinite stage-discharge relationship, Oct 13 to Nov 1, Nov 12-15, Nov 23 to Dec 6, Jan 3, Jan 20 to Feb 16, Feb 27 to Mar 12, May 15-24, 29-31, June 4-12, July 13-17. Records poor. Natural flow is supplemented by effluent from operation of several oil fields upstream from station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--36 years, 2,324 ft³/s, 16.62 in/yr, 1,684,000 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 15,500 ft³/s, April 13; minimum discharge, 21 ft³/s, Sept 24, gage height, 4.94 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	165	e1600	3970	e6400	e3100	7880	1280	654	2060	62	41
2	149	609	e1400	3460	e5200	e3000	7830	1960	512	1560	57	41
3	129	641	e1300	3000	3630	e3800	7650	2800	440	1210	52	39
4	97	1240	e1140	2700	3020	e3900	7460	3040	e370	1040	48	36
5	77	1390	e920	2620	2190	e3800	7060	3050	349	762	46	33
6	63	1390	e750	2550	e2030	e3500	6740	2970	e310	787	50	32
7	54	1390	571	2510	e1640	e3000	6630	2940	e260	578	79	31
8	47	1290	495	2840	e1400	e2800	7900	2920	e230	472	95	30
9	42	1150	677	3780	e1310	e2600	10000	2810	e170	368	90	30
10	40	1020	1700	3780	e1200	e2400	11600	2780	e160	304	78	29
11	42	860	2310	3740	e1060	e2300	13400	2830	e155	270	81	29
12	39	e700	2400	3830	e900	e2900	15200	2410	e145	192	180	29
13	36	e560	2270	3900	e870	4300	15500	1900	e140	e170	283	29
14	35	e480	2020	3850	e950	4830	14800	1480	258	e150	280	29
15	35	e440	1860	3660	e1030	5160	14100	e1100	295	e145	231	31
16	35	436	2490	3430	e1350	5250	13500	e800	264	e135	205	30
17	35	476	2870	3170	e1870	5870	13100	e700	e220	e130	153	29
18	35	490	2940	2850	e2060	6440	12600	e900	208	125	128	29
19	37	459	2950	2950	e2030	6670	11900	e1100	192	139	106	29
20	36	1210	3110	e5200	e2400	6670	10800	e1300	156	161	86	28
21	35	2570	3600	e6600	2750	6480	9600	e1600	243	146	72	27
22	35	2990	4030	e7200	3140	6420	8310	e1800	448	139	63	25
23	34	e3100	4250	e7400	3380	6840	6760	e2000	1090	151	56	23
24	34	e3000	4890	e7800	3220	7300	5490	1790	2440	148	51	22
25	34	e2900	5320	e8000	2960	7500	5400	2360	2740	128	47	22
26	34	e2700	5550	e8300	3010	8020	4260	2050	2700	109	45	24
27	34	e2500	5630	e8500	3100	8910	3510	1430	3190	102	43	25
28	34	e2300	5600	e8600	3090	9090	2490	1320	3600	89	42	26
29	33	e2100	5370	e8300	---	8620	1840	e1100	3350	80	43	27
30	38	e1800	4970	e8000	---	7780	1470	e800	2670	79	41	27
31	44	---	4520	e7600	---	7510	---	e720	---	70	40	---
TOTAL	1629	42356	89503	154090	67190	166760	264780	58040	27959	11999	2933	882
MEAN	52.5	1412	2887	4971	2400	5379	8826	1872	932	387	94.6	29.4
MAX	177	3100	5630	8600	6400	9090	15500	3050	3600	2060	283	41
MIN	33	165	495	2510	870	2300	1470	700	140	70	40	22
AC-FT	3230	84010	177500	305600	133300	330800	525200	115100	55460	23800	5820	1750
CFSM	.03	.74	1.52	2.62	1.26	2.83	4.65	.99	.49	.20	.05	.02
IN.	.03	.83	1.75	3.02	1.32	3.27	5.19	1.14	.55	.24	.06	.02
CAL YR 1992	TOTAL 815874		MEAN 2229		MAX 16200		MIN 33		AC-FT 1618000		CFSM 1.17	
WTR YR 1993	TOTAL 888121		MEAN 2433		MAX 15500		MIN 22		AC-FT 1762000		CFSM 1.28	
											IN. 15.98	
											IN. 17.40	

e Estimated

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.92	6.66	15.03	22.83	27.43	19.31	29.31	20.75	17.07	17.49	5.72	5.37
2	6.66	9.53	14.26	21.43	25.66	20.71	29.18	21.50	16.63	16.49	5.64	5.36
3	6.37	9.92	13.59	20.12	23.24	22.82	28.91	22.39	16.12	16.15	5.56	5.33
4	6.10	12.46	12.84	19.02	20.54	22.94	28.84	22.84	15.53	15.94	5.49	5.27
5	5.87	13.14	11.81	18.75	18.14	22.15	28.95	22.82	14.88	15.49	5.46	5.22
6	5.69	13.07	10.70	18.66	16.46	21.19	28.68	22.57	14.18	14.39	5.52	5.19
7	5.57	13.12	9.80	18.47	15.46	20.54	28.23	22.29	13.50	12.55	5.95	5.17
8	5.46	12.79	9.20	21.13	14.92	19.98	29.30	22.13	12.85	10.71	6.16	5.16
9	5.38	12.26	9.87	22.51	14.60	19.29	30.64	22.04	12.17	9.45	6.09	5.15
10	5.34	11.69	14.91	22.36	14.24	18.56	31.64	21.94	11.51	8.69	5.94	5.14
11	5.38	10.96	16.54	22.06	14.17	18.06	32.76	21.77	10.92	8.54	5.99	5.12
12	5.32	10.19	16.89	22.42	14.29	19.87	33.60	21.09	10.61	8.00	7.01	5.12
13	5.27	9.64	16.52	22.62	14.17	24.15	33.80	20.11	10.15	7.51	7.87	5.12
14	5.25	9.20	15.76	22.31	14.03	25.35	33.57	19.22	9.91	7.17	7.95	5.13
15	5.23	8.96	15.20	21.77	13.92	25.28	33.33	18.73	9.84	6.96	7.64	5.17
16	5.24	8.75	17.40	21.10	14.58	25.47	33.06	18.60	9.73	7.08	7.44	5.15
17	5.24	8.84	18.64	20.29	16.43	26.69	32.76	18.56	9.64	6.90	7.04	5.14
18	5.25	8.98	18.93	19.42	18.00	27.44	32.45	18.54	9.58	6.68	6.61	5.13
19	5.28	8.86	18.99	20.45	18.66	27.56	32.02	18.74	9.55	6.67	6.28	5.13
20	5.27	12.25	19.55	25.76	18.71	27.49	31.42	18.63	9.56	6.86	6.04	5.11
21	5.24	17.28	21.03	27.78	18.94	27.48	30.67	18.78	9.86	6.78	5.87	5.08
22	5.23	18.79	22.16	28.61	19.98	27.47	29.80	18.96	11.33	6.73	5.74	5.03
23	5.23	19.33	22.79	28.96	20.69	27.93	28.75	19.18	13.36	6.91	5.63	4.99
24	5.23	19.10	24.56	29.19	20.23	28.46	27.58	19.49	17.82	6.81	5.55	4.95
25	5.23	18.92	25.43	29.43	19.40	28.59	26.35	20.29	18.94	6.59	5.48	4.97
26	5.23	18.47	25.81	29.73	19.58	28.98	25.11	20.08	19.33	6.39	5.44	5.00
27	5.22	18.03	26.01	30.02	19.99	29.65	23.89	19.53	21.66	6.24	5.41	5.04
28	5.22	17.50	25.89	30.11	19.81	29.94	22.71	18.86	22.63	6.08	5.39	5.07
29	5.21	16.77	25.53	29.92	---	29.67	21.70	18.24	21.85	5.97	5.40	5.07
30	5.30	15.90	24.93	29.43	---	29.19	21.02	17.79	19.56	5.96	5.36	5.08
31	5.41	---	24.06	28.63	---	29.24	---	17.41	---	5.84	5.34	---
MAX	6.92	19.33	26.01	30.11	27.43	29.94	33.80	22.84	22.63	17.49	7.95	5.37
MIN	5.21	6.66	9.20	18.47	13.92	18.06	21.02	17.41	9.55	5.84	5.34	4.95

RED RIVER BASIN

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

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

DRAINAGE AREA.--51 mi², approximately.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder with a data-collection platform and rain gage, concrete control. Datum of gage is 76.69 ft above sea level. See WDR-LA-88-1 for history of changes prior to Oct. 1, 1988.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 950 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)					
Apr 8	0700	*1,300	*9.80	No other peaks greater than base discharge.								
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993												
MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	90	27	38	36	48	79	158	28	42	23	18
2	17	111	27	36	35	305	50	186	27	37	21	16
3	17	33	26	36	34	112	43	77	27	34	20	16
4	17	40	26	46	33	61	233	56	26	33	25	15
5	17	32	26	72	34	49	153	48	26	33	23	15
6	17	25	25	47	45	43	73	43	25	29	21	14
7	17	23	26	118	41	40	128	39	25	27	20	15
8	17	22	26	203	35	37	1130	39	24	27	41	15
9	17	22	82	75	33	36	633	40	23	26	135	17
10	17	22	106	58	36	34	186	68	23	25	38	14
11	22	23	43	68	59	42	108	53	44	51	27	13
12	20	30	34	78	43	112	83	41	85	30	24	13
13	17	31	31	61	37	106	71	37	35	26	22	13
14	17	25	30	49	35	55	66	35	29	35	20	17
15	16	24	63	45	34	46	334	33	26	92	20	21
16	29	22	100	42	51	96	119	32	25	63	50	20
17	32	21	50	39	44	230	76	30	24	34	26	18
18	22	21	40	38	37	88	66	64	23	29	22	17
19	19	21	37	71	34	59	59	189	27	27	20	17
20	18	129	49	329	34	52	59	56	41	25	19	41
21	18	127	50	270	37	50	67	40	54	24	21	22
22	18	304	43	93	33	53	53	35	43	24	21	18
23	18	61	62	65	31	215	48	33	153	24	20	17
24	17	62	136	57	30	89	46	39	139	22	19	16
25	17	56	66	52	46	59	44	60	50	22	18	15
26	17	40	131	46	75	52	42	47	153	21	17	17
27	18	34	71	42	47	46	39	40	299	21	17	18
28	20	32	53	41	38	42	37	37	292	20	16	16
29	19	29	46	40	---	39	39	34	80	20	16	15
30	30	28	43	38	---	39	57	31	52	54	16	15
31	35	---	40	36	---	159	---	30	---	32	16	---
TOTAL	609	1540	1615	2329	1107	2494	4221	1750	1928	1009	814	514
MEAN	19.6	51.3	52.1	75.1	39.5	80.5	141	56.5	64.3	32.5	26.3	17.1
MAX	35	304	136	329	75	305	1130	189	299	92	135	41
MIN	16	21	25	36	30	34	37	30	23	20	16	13
AC-FT	1210	3050	3200	4620	2200	4950	8370	3470	3820	2000	1610	1020
CFSM	.39	1.01	1.02	1.47	.78	1.58	2.76	1.11	1.26	.64	.51	.34
IN.	.44	1.12	1.18	1.70	.81	1.82	3.08	1.28	1.41	.74	.59	.37

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1993, BY WATER YEAR (WY)

MEAN	32.5	49.6	70.5	94.0	112	98.0	98.8	86.4	42.4	35.3	25.0	29.4
MAX	288	391	470	352	474	244	462	698	284	240	105	161
(WY)	1985	1988	1983	1990	1966	1977	1991	1953	1989	1969	1961	1985
MIN	7.87	12.4	15.7	19.4	25.1	23.5	21.5	15.4	10.1	9.22	6.85	5.82
(WY)	1964	1968	1955	1956	1964	1955	1956	1956	1963	1956	1963	1956

SUMMARY STATISTICS

FOR 1992 CALENDAR YEAR

FOR 1993 WATER YEAR

WATER YEARS 1943 - 1993

ANNUAL TOTAL	20210	19930	64.3	
ANNUAL MEAN	55.2	54.6		
HIGHEST ANNUAL MEAN			139	1983
LOWEST ANNUAL MEAN			22.7	1956
HIGHEST DAILY MEAN	630	1130	10100	May 17 1953
LOWEST DAILY MEAN	16	13	3.9	Sep 28 1956
ANNUAL SEVEN-DAY MINIMUM	17	14	4.1	Sep 24 1956
INSTANTANEOUS PEAK FLOW		1300	23500	Apr 29 1953
INSTANTANEOUS PEAK STAGE		9.80	18.03	Apr 29 1953
INSTANTANEOUS LOW FLOW		12	3.7	Sep 29 1956
INSTANTANEOUS LOW STAGE		2.83	1.08	Sep 29 1956
ANNUAL RUNOFF (AC-FT)	40090	39530	46570	
ANNUAL RUNOFF (CFSM)	1.08	1.07	1.26	
ANNUAL RUNOFF (INCHES)	14.74	14.54	17.13	
10 PERCENT EXCEEDS	100	102	95	
50 PERCENT EXCEEDS	32	35	29	
90 PERCENT EXCEEDS	18	17	13	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.94	3.53	3.13	3.26	3.24	3.33	3.57	3.98	3.10	3.26	3.03	2.95
2	2.94	3.71	3.12	3.24	3.23	4.87	3.37	4.09	3.08	3.21	2.99	2.91
3	2.94	3.20	3.10	3.24	3.22	3.74	3.31	3.52	3.08	3.17	2.98	2.90
4	2.94	3.28	3.11	3.33	3.21	3.46	4.42	3.38	3.07	3.16	3.05	2.89
5	2.94	3.19	3.10	3.53	3.22	3.36	3.94	3.31	3.07	3.16	3.03	2.87
6	2.93	3.10	3.10	3.35	3.33	3.31	3.54	3.26	3.06	3.11	2.99	2.87
7	2.93	3.07	3.11	3.74	3.29	3.28	3.88	3.23	3.05	3.09	2.98	2.88
8	2.93	3.05	3.11	4.21	3.23	3.26	9.31	3.23	3.03	3.08	3.16	2.88
9	2.93	3.05	3.51	3.55	3.21	3.24	6.99	3.23	3.03	3.07	3.81	2.93
10	2.93	3.05	3.70	3.44	3.24	3.22	4.08	3.45	3.02	3.06	3.21	2.87
11	3.05	3.06	3.31	3.51	3.44	3.29	3.68	3.35	3.18	3.32	3.08	2.84
12	2.99	3.17	3.22	3.57	3.31	3.72	3.56	3.25	3.55	3.12	3.04	2.84
13	2.95	3.18	3.19	3.46	3.25	3.71	3.48	3.21	3.18	3.06	3.01	2.84
14	2.94	3.09	3.17	3.36	3.23	3.41	3.45	3.18	3.11	3.15	2.97	2.91
15	2.93	3.07	3.42	3.33	3.21	3.34	5.09	3.16	3.07	3.56	2.97	2.99
16	3.13	3.05	3.68	3.30	3.38	3.63	3.74	3.14	3.06	3.41	3.32	2.98
17	3.18	3.03	3.37	3.27	3.32	4.32	3.51	3.13	3.03	3.18	3.07	2.93
18	3.03	3.02	3.28	3.27	3.25	3.62	3.45	3.33	3.02	3.12	3.00	2.92
19	2.98	3.02	3.25	3.49	3.22	3.45	3.40	4.09	3.08	3.08	2.98	2.91
20	2.97	3.75	3.36	5.06	3.22	3.39	3.40	3.37	3.25	3.06	2.96	3.24
21	2.96	3.84	3.37	4.65	3.25	3.38	3.46	3.23	3.36	3.04	2.99	3.00
22	2.96	4.95	3.31	3.65	3.21	3.39	3.35	3.19	3.26	3.03	3.00	2.93
23	2.96	3.46	3.42	3.49	3.18	4.26	3.31	3.16	3.97	3.04	2.98	2.91
24	2.94	3.47	3.85	3.43	3.16	3.63	3.29	3.22	3.87	3.01	2.95	2.90
25	2.94	3.42	3.50	3.39	3.31	3.45	3.28	3.41	3.32	3.00	2.93	2.89
26	2.94	3.28	3.83	3.34	3.55	3.39	3.26	3.30	3.99	2.99	2.92	2.92
27	2.96	3.22	3.53	3.31	3.34	3.33	3.23	3.23	4.86	2.99	2.91	2.95
28	2.99	3.19	3.40	3.29	3.26	3.30	3.21	3.20	4.81	2.98	2.90	2.91
29	2.98	3.16	3.34	3.28	---	3.27	3.22	3.17	3.53	2.98	2.91	2.89
30	3.15	3.14	3.31	3.26	---	3.27	3.38	3.14	3.35	3.34	2.90	2.88
31	3.23	---	3.28	3.24	---	3.95	---	3.12	---	3.14	2.91	---
MAX	3.23	4.95	3.85	5.06	3.55	4.87	9.31	4.09	4.86	3.56	3.81	3.24
MIN	2.93	3.02	3.10	3.24	3.16	3.22	3.21	3.12	3.02	2.98	2.90	2.84

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)
OCT 1992												
27...	1000	18	43	7.02	18.0	15	3.5	8.6	0.7	480	290	7
JAN 1993												
13...	0950	61	39	6.64	--	40	9.4	11.1	2.8	K140	K60	8
MAR												
17...	1230	230	34	6.60	11.5	40	25	9.3	1.3	820	500	7
JUL												
21...	0945	24	43	6.70	27.0	20	3.5	6.8	0.5	K100	500	9

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992												
27...	1.6	0.72	4.3	1.2	13	1.1	4.0	<0.1	20	40	41	<0.01
JAN 1993												
13...	2.0	0.81	3.7	1.1	10	3.4	4.3	<0.1	16	43	37	--
MAR												
17...	1.7	0.69	2.9	1.2	7	3.1	3.1	<0.1	11	37	28	--
JUL												
21...	2.1	0.88	4.2	1.4	14	1.4	3.7	<0.1	20	50	42	--

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)
OCT 1992												
27...	<0.01	<0.05	<0.05	0.01	<0.01	<0.2	0.03	<0.01	<0.01	10	22	<3
JAN 1993												
13...	0.01	--	0.06	--	0.03	0.3	0.03	0.02	<0.01	90	34	<3
MAR												
17...	0.02	--	0.09	--	0.02	0.7	0.07	<0.01	<0.01	20	36	<3
JUL												
21...	0.01	--	0.11	--	0.03	0.2	<0.01	0.01	<0.01	30	35	3

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

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

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

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

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992 27...	71	<4	34	<10	6	<1	<1	16	<6	--	--	--
JAN 1993 13...	310	<4	56	10	1	<1	<1	19	<6	11	1.8	99
MAR 17...	250	<4	79	<10	1	<1	<1	16	<6	70	43	86
JUL 21...	320	<4	110	<10	<1	<1	<1	21	<6	12	0.78	93

DATE	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)	ALPHA, 2 SIGMA SED SUS TOT DRY AS TH-230 (PCI/L)	BETA, 2 SIGMA SED, SUSP, TOT DRY SR90Y90 (PCI/L)
------	---	--	---	--	--	---	--	--

OCT 1992

27...

0.39 0.27 0.50 0.58 <1.0 0.01 0.49 0.55

MAR

17...

0.35 0.23 0.57 0.65 <1.0 0.02 1.0 0.61

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)
------	--	--	---	---	--	--	---	--

OCT 1992

27...

<0.6 <0.6 1.3 0.8 1.2 0.7 0.04 0.02

MAR

17...

<0.6 1.1 1.7 1.0 1.6 0.9 0.07 0.05

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

RED RIVER BASIN

07373250 HEMPHILL CREEK AT NEBO, LA

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

DRAINAGE AREA.--35.3 mi².

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

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

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

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

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

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
May 1	2045	*2,200	*8.34				
						No other peaks greater than base discharge.	

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	44	27	32	32	57	74	601	29	58	23	27
2	28	30	26	32	31	394	52	317	29	49	23	23
3	25	52	25	32	31	88	47	93	28	43	23	22
4	25	63	25	39	31	54	160	65	28	e36	23	21
5	24	29	25	50	31	44	70	53	28	e31	23	21
6	24	27	25	37	35	40	47	48	27	28	23	21
7	24	27	25	215	33	37	194	44	27	26	29	21
8	24	26	24	138	32	35	848	42	26	25	28	21
9	24	25	209	60	31	33	265	40	26	24	32	21
10	25	25	70	50	36	33	91	78	26	25	24	20
11	30	25	38	63	38	66	64	47	56	25	23	20
12	24	32	32	85	34	182	52	39	55	24	22	20
13	24	26	29	53	33	87	46	36	30	23	21	20
14	24	25	27	45	32	52	61	34	28	23	21	22
15	24	25	150	43	32	44	187	33	28	28	27	23
16	31	25	73	42	40	145	56	31	27	25	33	22
17	25	24	40	40	35	136	44	30	29	24	24	22
18	24	24	33	39	33	59	40	117	27	24	22	21
19	24	29	36	147	33	48	37	88	28	23	22	20
20	24	477	54	492	32	44	38	42	63	23	21	21
21	24	73	50	219	32	41	36	36	181	69	21	21
22	24	143	37	83	30	48	32	34	512	73	21	19
23	24	43	76	62	30	166	31	32	331	31	21	19
24	24	53	100	53	30	57	31	58	157	27	20	18
25	24	41	49	48	47	48	30	117	238	26	20	17
26	24	33	82	44	48	56	29	46	135	25	20	30
27	24	31	47	43	37	41	28	39	329	25	20	22
28	24	29	38	41	34	38	26	37	134	24	20	19
29	24	28	36	37	---	36	28	32	89	24	22	19
30	33	27	34	33	---	198	242	31	71	24	23	19
31	25	---	32	32	---	387	---	30	---	24	36	---
TOTAL	781	1561	1574	2429	953	2794	2986	2370	2822	959	731	632
MEAN	25.2	52.0	50.8	78.4	34.0	90.1	99.5	76.5	94.1	30.9	23.6	21.1
MAX	33	477	209	492	48	394	848	601	512	73	36	30
MIN	24	24	24	32	30	33	26	30	26	23	20	17
AC-FT	1550	3100	3120	4820	1890	5540	5920	4700	5600	1900	1450	1250
CFSM	.71	1.47	1.44	2.22	.96	2.55	2.82	2.17	2.66	.88	.67	.60
IN.	.82	1.65	1.66	2.56	1.00	2.94	3.15	2.50	2.97	1.01	.77	.67

e Estimated.

RED RIVER BASIN

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1993, BY WATER YEAR (WY)

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

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1978 - 1993

ANNUAL TOTAL	20833	20592	62.3	
ANNUAL MEAN	56.9	56.4		
HIGHEST ANNUAL MEAN			138	1983
LOWEST ANNUAL MEAN			22.6	1982
HIGHEST DAILY MEAN	1530	848	9000	Jan 1 1982
LOWEST DAILY MEAN	15	17	8.5	Aug 14 1985
ANNUAL SEVEN-DAY MINIMUM	16	19	9.1	Aug 11 1985
INSTANTANEOUS PEAK FLOW		2200	15800	Jan 1 1987
INSTANTANEOUS PEAK STAGE		8.34	14.93	Jan 1 1987
INSTANTANEOUS LOW FLOW		16	8.2	At times in 1985
INSTANTANEOUS LOW STAGE		1.96		
ANNUAL RUNOFF (AC-FT)	41320	40840	45150	
ANNUAL RUNOFF (CFS)	1.61	1.60	1.77	
ANNUAL RUNOFF (INCHES)	21.95	21.70	23.99	
10 PERCENT EXCEEDS	87	92	80	
50 PERCENT EXCEEDS	30	32	27	
90 PERCENT EXCEEDS	22	22	17	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.07	2.25	2.12	2.16	2.14	2.37	2.69	4.34	2.16	2.63	2.17	2.27
2	2.06	2.08	2.11	2.16	2.13	4.33	2.47	3.96	2.16	2.53	2.16	2.20
3	2.01	2.25	2.10	2.14	2.13	2.75	2.41	2.85	2.15	2.46	2.16	2.18
4	2.00	2.43	2.10	2.24	2.12	2.44	3.33	2.61	2.14	---	2.17	2.17
5	2.00	2.06	2.09	2.37	2.14	2.32	2.71	2.48	2.14	---	2.16	2.17
6	1.99	2.04	2.10	2.21	2.19	2.26	2.48	2.42	2.13	2.24	2.16	2.17
7	2.00	2.03	2.09	3.27	2.16	2.21	2.98	2.38	2.13	2.21	2.26	2.17
8	2.00	2.03	2.08	3.07	2.14	2.19	5.63	2.34	2.12	2.20	2.23	2.17
9	1.99	2.01	3.30	2.47	2.14	2.17	3.83	2.33	2.12	2.18	2.29	2.16
10	2.00	2.01	2.64	2.35	2.20	2.16	2.90	2.72	2.11	2.20	2.19	2.16
11	2.08	2.01	2.29	2.48	2.24	2.51	2.67	2.41	2.38	2.19	2.17	2.15
12	1.99	2.11	2.20	2.67	2.18	3.32	2.54	2.31	2.47	2.18	2.17	2.15
13	1.99	2.03	2.15	2.36	2.16	2.74	2.47	2.27	2.18	2.16	2.16	2.15
14	1.99	2.01	2.12	2.26	2.15	2.40	2.57	2.24	2.15	2.16	2.16	2.18
15	1.99	2.01	3.04	2.23	2.15	2.31	3.45	2.22	2.14	2.24	2.25	2.21
16	2.09	2.00	2.66	2.20	2.26	3.11	2.58	2.20	2.13	2.20	2.35	2.18
17	2.01	2.00	2.32	2.18	2.19	3.08	2.44	2.18	2.17	2.18	2.22	2.18
18	2.00	2.00	2.23	2.17	2.17	2.49	2.39	2.72	2.13	2.19	2.19	2.17
19	1.99	2.06	2.27	2.86	2.16	2.36	2.34	2.76	2.14	2.17	2.18	2.16
20	1.99	4.39	2.49	4.25	2.15	2.32	2.36	2.35	2.44	2.16	2.17	2.17
21	2.00	2.67	2.45	3.30	2.14	2.28	2.33	2.27	3.25	2.41	2.17	2.17
22	2.00	3.13	2.27	2.60	2.12	2.34	2.28	2.23	4.29	2.70	2.16	2.16
23	1.99	2.36	2.58	2.42	2.12	3.25	2.27	2.21	4.13	2.30	2.16	2.15
24	1.99	2.48	2.86	2.33	2.12	2.46	2.25	2.41	3.35	2.23	2.16	2.14
25	1.99	2.33	2.42	2.27	2.32	2.36	2.24	2.97	3.71	2.21	2.16	2.13
26	1.99	2.22	2.75	2.24	2.36	2.46	2.22	2.40	3.21	2.20	2.16	2.33
27	1.99	2.18	2.39	2.22	2.21	2.28	2.21	2.31	3.92	2.19	2.15	2.24
28	2.00	2.16	2.28	2.20	2.18	2.23	2.19	2.27	3.22	2.19	2.16	2.19
29	2.00	2.15	2.23	2.17	---	2.20	2.21	2.21	2.91	2.18	2.19	2.18
30	2.12	2.13	2.20	2.16	---	2.79	3.74	2.19	2.76	2.19	2.19	2.18
31	2.01	---	2.17	2.15	---	4.14	---	2.17	---	2.18	2.34	---
MAX	2.12	4.39	3.30	4.25	2.36	4.33	5.63	4.34	4.29	---	2.35	2.33
MIN	1.99	2.00	2.08	2.14	2.12	2.16	2.19	2.17	2.11	---	2.15	2.1

LOWER MISSISSIPPI RIVER BASIN

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

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

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

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

PERIOD OF DAILY RECORD.--

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

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

SULFATE: October 1974 to September 1978.

CHLORIDE: October 1974 to April 17, 1990.

DISSOLVED SOLIDS: October 1978 to April 17, 1990.

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

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 1992 TO SEPTEMBER 1993

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 1992												
14...	0900	361000	384	7.30	21.0	5	45	<1	8.3	--	11	--
NOV 17...	0930	540000	416	7.69	13.0	10	33	<1	10.1	1.7	17	3000
DEC 15...	1115	260000	--	8.00	7.0	10	45	<1	11.8	2.9	17	1400
JAN 1993												
26...	1120	888000	334	7.69	5.5	15	45	<1	12.8	3.5	43	6000
MAR 03...	1115	730000	386	7.24	6.0	10	77	<1	13.6	4.6	11	1400
APR 20...	1015	1160000	319	8.06	9.5	20	44	<1	9.6	1.5	<10	K150
MAY 24...	1215	1170000	388	8.08	22.0	15	44	<1	6.6	0.4	23	K450
JUN 22...	1030	700000	426	7.94	--	20	79	<1	6.7	0.8	35	K950
JUL 28...	0945	740000	348	7.80	29.5	10	90	<1	5.3	2.1	28	--
AUG 23...	1220	798000	408	7.03	29.5	5	37	<1	5.8	0.4	16	2100
SEP 20...	1000	485000	418	7.56	25.0	10	65	<1	7.6	0.2	15	--

< 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 1992 TO SEPTEMBER 1993

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCHI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS, TOTAL (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY, WAT WH TOT FET FIELD (MG/L AS CACO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
OCT 1992												
14...	--	71	160	42	13	16	3.4	118	42	19	0.2	7.8
NOV 17...	K140	K23	170	44	14	18	3.8	124	51	21	--	--
DEC 15...	K60	K170	160	43	13	14	3.6	126	36	19	0.1	7.3
JAN 1993												
26...	100	110	130	35	10	13	3.1	94	34	18	0.2	7.2
MAR 03...	130	230	140	38	11	19	2.7	104	38	25	<0.1	7.0
APR 20...	K20	K25	130	34	9.7	12	3.3	94	37	17	0.1	6.5
MAY 24...	K20	K60	150	39	12	17	3.3	112	39	24	0.2	7.0
JUN 22...	K110	K44	170	46	14	16	3.4	119	49	22	0.2	7.2
JUL 28...	170	K90	150	41	12	9.4	3.9	127	28	12	--	--
AUG 23...	K32	K80	180	49	13	11	4.6	142	37	14	0.2	10
SEP 20...	--	--	180	47	15	14	3.9	156	41	17	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	RESIDUE, TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE, TOTAL (MG/L AS N)	NITRO-GEN, NITRITE, DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3, TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA, TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC, DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 1992												
14...	229	222	102	0.03	<0.01	1.2	1.3	0.07	0.03	0.8	0.40	0.24
NOV 17...	--	226	78	0.08	--	1.3	--	0.05	--	--	0.40	0.18
DEC 15...	217	222	126	0.04	0.03	2.2	2.2	0.03	0.03	0.6	0.20	0.24
JAN 1993												
26...	203	185	119	--	0.04	--	1.7	--	0.06	0.7	0.40	0.21
MAR 03...	211	209	266	--	0.02	--	1.5	--	0.04	0.7	0.30	0.28
APR 20...	187	184	84	--	0.03	--	1.6	--	0.02	0.4	--	0.07
MAY 24...	222	216	91	--	<0.01	--	1.6	--	0.04	0.4	0.30	0.09
JUN 22...	256	243	517	--	<0.01	--	2.2	--	0.03	0.7	0.30	0.28
JUL 28...	--	182	178	0.02	--	2.2	--	0.02	--	--	0.57	0.27
AUG 23...	238	231	105	--	<0.01	--	1.7	--	0.03	0.4	0.30	0.11
SEP 20...	--	231	94	<0.01	--	1.8	--	0.03	--	--	0.40	0.18

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

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

LOWER MISSISSIPPI RIVER BASIN

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

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

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 1992												
14...	0.09	0.14	0.09	10	2	--	63	<10	--	<1	--	3
NOV												
17...	--	0.07	--	--	3	1	--	2	2	<1	<1	5
DEC												
15...	0.06	0.09	0.07	--	2	1	--	<10	<0.5	<1	<1	4
JAN 1993												
26...	0.07	--	0.06	--	2	<1	--	<10	<0.5	<1	<1	5
MAR												
03...	0.05	--	0.05	20	2	--	52	<10	--	<1	--	4
APR												
20...	0.05	--	0.05	30	1	--	59	<10	--	<1	--	<1
MAY												
24...	0.07	--	0.07	<10	2	--	63	<10	--	<1	--	3
JUN												
22...	0.08	--	0.07	--	2	1	--	<10	<0.5	<1	<1	4
JUL												
28...	--	0.12	--	--	5	2	--	<1	<1	<1	<1	9
AUG												
23...	0.10	--	0.10	<10	--	--	81	<10	<10	<1	<1	<1
SEP												
20...	--	0.14	--	--	4	3	--	<1	<1	<1	<1	8

DATE	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)
OCT 1992												
14...	<1	<3	12	--	8	5	--	12	8	--	<0.1	<10
NOV												
17...	<1	--	12	4	16	5	2	--	--	<0.1	<0.1	--
DEC												
15...	<1	--	5	2	21	4	<1	--	--	<0.1	<0.1	--
JAN 1993												
26...	<1	--	--	7	58	12	<1	--	--	<0.1	0.2	--
MAR												
03...	<1	<3	25	--	18	12	--	4	15	<0.1	<0.1	<10
APR												
20...	<1	<3	6	--	28	3	--	<4	9	--	<0.1	<10
MAY												
24...	<1	<3	13	--	12	5	--	5	3	--	0.1	<10
JUN												
22...	<1	--	4	2	7	5	<1	--	--	<0.1	<0.1	--
JUL												
28...	<1	--	12	4	10	7	<1	--	--	0.1	<0.1	--
AUG												
23...	<1	<3	13	5	5	5	<1	12	<1	--	0.2	<10
SEP												
20...	<1	--	14	8	<3	6	<1	--	--	0.1	0.1	--

< 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 1992 TO SEPTEMBER 1993

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 1992											
14...	6	--	<1	<1	<1	170	<6	20	--	4.9	<0.01
NOV											
17...	5	3	<1	<1	--	--	<1	20	<5	5.3	<0.01
DEC											
15...	6	2	<1	<1	--	--	1	30	3	7.0	<0.01
JAN 1993											
26...	7	3	<1	<1	--	--	1	40	--	6.6	<0.01
MAR											
03...	8	3	<1	<1	<1	160	<6	20	--	7.2	<0.01
APR											
20...	4	3	<1	<1	<1	140	<6	20	--	5.5	<0.01
MAY											
24...	5	4	<1	<1	<1	160	<6	20	--	6.7	<0.01
JUN											
22...	8	3	<1	<1	--	--	3	30	<3	7.7	<0.01
JUL											
28...	10	3	<1	<1	--	--	2	30	4	0.6	<0.01
AUG											
23...	6	2	--	<1	<1	170	<6	10	<10	5.7	<0.01
SEP											
20...	9	4	<1	<1	--	--	3	20	7	7.1	<0.01

DATE	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
OCT 1992											
14...	6	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV											
17...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC											
15...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1993											
26...	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR											
03...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR											
20...	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY											
24...	4	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN											
22...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL											
28...	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG											
23...	4	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP											
20...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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

LOWER MISSISSIPPI RIVER BASIN

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

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

DATE	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 1992											
14...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.1	<0.01
DEC 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1993											
26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 03...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 24...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992											
14...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	157	153000	94
NOV 17...	<0.1	<0.01	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	179	261000	75
DEC 15...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	141	99000	98
JAN 1993											
26...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	223	535000	56
MAR 03...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	415	818000	74
APR 20...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	184	577000	65
MAY 24...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	201	636000	64
JUN 22...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	288	544000	95
JUL 28...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	260	519000	86
AUG 23...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	157	338000	76
SEP 20...	<0.01	<0.01	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	239	313000	83

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

LOWER MISSISSIPPI RIVER BASIN

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)

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

DRAINAGE AREA.--Not determined.

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

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

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 14...	1215	391	7.50	21.5	10	55	<1	8.4	15	--
NOV 17...	1230	425	8.10	13.5	10	17	<1	9.5	43	1.1
JAN 26...	1430	333	7.60	5.5	15	55	<1	12.3	33	3.1
MAR 04...	1030	392	7.79	6.5	10	85	<1	13.3	21	4.4
APR 20...	1345	327	8.06	15.5	20	42	<1	9.5	30	2.2
MAY 24...	1400	384	8.07	22.0	20	45	<1	6.6	28	0.5
JUN 22...	1315	430	8.09	--	15	90	<1	6.6	34	0.6
JUL 28...	1315	353	7.65	30.0	10	90	<1	5.4	28	2.7
AUG 24...	0900	384	7.88	29.0	5	24	<1	5.9	17	0.6
SEP 20...	1330	438	7.76	25.0	10	60	<1	7.8	20	3.0

DATE	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 14...	--	200	150	37	13	118	42	22	156	0.04
NOV 17...	K2600	K900	170	44	14	133	52	23	100	0.07
JAN 26...	1000	K33	130	35	9.8	95	35	20	--	--
MAR 04...	K500	K36	140	39	11	114	40	27	250	0.02
APR 20...	720	K55	130	37	10	104	36	17	88	0.03
MAY 24...	280	K40	140	36	11	124	39	24	76	0.02
JUN 22...	2000	K40	150	41	12	130	51	21	144	<0.01
JUL 28...	580	K70	160	43	12	129	29	15	200	0.02
AUG 24...	1200	260	180	48	14	145	34	14	690	<0.01
SEP 20...	--	--	180	47	15	152	41	19	228	<0.01

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

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

LOWER MISSISSIPPI RIVER BASIN

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)--Continued

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

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 14...	1.2	0.50	0.27	3	<1	<1	<1	<1	<1	5
NOV 17...	1.3	0.30	0.18	3	1	2	2	<1	<1	5
JAN 26...	--	0.40	0.22	3	<1	3	3	<1	<1	6
MAR 04...	1.4	0.38	0.08	4	<1	<1	<1	<1	<1	7
APR 20...	1.7	0.51	0.06	2	<1	<1	<1	<1	<1	13
MAY 24...	1.7	0.32	0.14	2	1	1	<1	<1	<1	2
JUN 22...	2.3	0.38	0.12	4	1	<1	<1	<1	<1	10
JUL 28...	2.2	0.42	0.29	5	1	<1	<1	<1	<1	10
AUG 24...	1.6	0.32	0.20	4	2	<1	<1	<1	<1	4
SEP 20...	1.8	0.50	0.22	6	3	<1	<1	<1	<1	8

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 14...	<1	13	3	10	5	<1	<0.1	<0.1	5	2
NOV 17...	<1	11	3	5	7	<1	<0.1	<0.1	5	1
JAN 26...	<1	36	7	150	9	<1	0.1	0.1	12	--
MAR 04...	<1	18	3	53	7	<1	<0.1	<0.1	6	3
APR 20...	<1	7	5	26	5	<1	<0.1	<0.1	5	1
MAY 24...	<1	3	2	21	1	<1	<0.1	<0.1	4	3
JUN 22...	<1	9	2	13	7	<1	0.1	<0.1	9	3
JUL 28...	<1	10	4	11	7	<1	<0.1	0.1	9	1
AUG 24...	<1	7	--	4	4	2	<0.1	0.2	4	8
SEP 20...	<1	19	10	7	7	<1	0.2	0.1	9	3

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

LOWER MISSISSIPPI RIVER BASIN

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)--Continued

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

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 14...	<1	<1	2	20	<5	5.5	<0.01	4	<1
NOV 17...	<1	<1	1	20	12	5.9	<0.01	6	<1
JAN 26...	<1	<1	2	30	10	6.5	<0.01	<1	<1
MAR 04...	<1	<1	<1	30	<4	7.3	<0.01	<1	<1
APR 20...	<1	<1	<1	20	<4	6.2	<0.01	1	<1
MAY 24...	<1	<1	1	10	4	6.3	<0.01	5	<1
JUN 22...	1	<1	1	20	4	7.8	<0.01	<1	<1
JUL 28...	<1	<1	3	30	4	8.0	<0.01	<1	<1
AUG 24...	<1	<1	3	5	--	6.2	<0.01	6	<1
SEP 20...	<1	<1	3	30	11	7.2	<0.01	<1	<1

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

LOWER MISSISSIPPI RIVER BASIN

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)

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

DRAINAGE AREA.--Not determined.

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

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

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
OCT 1992											
15...	0920	397	7.78	22.5	10	50	<1	8.2	13	1.7	
NOV 18...	1045	430	7.85	12.0	5	34	<1	9.9	15	1.4	
JAN 1993											
28...	0930	340	7.38	5.5	20	55	<1	12.0	55	2.8	
MAR 04...	1230	406	7.61	7.0	5	65	<1	13.7	19	5.2	
APR 21...	1000	329	7.57	14.5	20	45	<1	9.4	24	1.8	
MAY 25...	1000	394	8.20	21.5	5	50	<1	--	43	--	
JUN 23...	0945	437	7.92	25.5	5	95	<1	6.4	27	0.5	
JUL 29...	0945	356	7.67	30.0	5	95	<1	6.2	26	1.2	
SEP 21...	0950	434	7.86	29.0	10	65	<1	7.8	16	1.3	
DATE		COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992											
15...	--	--		150	37	13	116	42	25	130	0.02
NOV 18...	K4500	K48		170	43	14	131	52	23	94	0.02
JAN 1993											
28...	1100	K120		130	35	9.8	108	35	21	122	0.03
MAR 04...	1300	K40		150	40	12	121	42	28	158	0.02
APR 21...	K480	<5		130	37	10	96	36	18	130	0.03
MAY 25...	--	--		140	38	11	124	39	25	94	0.02
JUN 23...	1200	88		150	42	12	130	50	23	--	<0.01
JUL 29...	580	--		150	42	12	125	29	14	86	0.02
SEP 21...	1200	800		180	47	15	154	41	19	114	0.01

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

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

LOWER MISSISSIPPI RIVER BASIN

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)--Continued

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

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 1992										
15...	1.3	0.40	0.23	3	1	<1	<1	<1	<1	5
NOV										
18...	1.2	0.52	0.17	3	1	2	2	<1	<1	5
JAN 1993										
28...	1.6	0.50	0.25	3	<1	2	2	<1	<1	10
MAR										
04...	1.6	0.31	0.11	4	<1	<1	<1	<1	<1	7
APR										
21...	1.6	0.23	0.15	2	<1	<1	<1	<1	<1	4
MAY										
25...	1.7	0.44	0.18	3	<1	<1	<1	<1	<1	5
JUN										
23...	2.2	0.39	0.11	3	1	<1	<1	2	<1	8
JUL										
29...	2.2	0.56	0.28	6	1	<1	<1	<1	<1	9
SEP										
21...	1.9	0.61	0.25	6	3	<1	<1	<1	<1	7
DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 1992										
15...	<1	9	4	13	7	2	<0.1	<0.1	4	3
NOV										
18...	<1	14	5	54	6	<1	<0.1	<0.1	4	3
JAN 1993										
28...	<1	--	6	39	10	<1	0.1	<0.1	9	--
MAR										
04...	<1	15	4	33	6	<1	<0.1	<0.1	10	3
APR										
21...	<1	59	4	23	11	<1	<0.1	<0.1	5	2
MAY										
25...	<1	21	4	28	6	<1	0.1	<0.1	7	2
JUN										
23...	<1	7	3	10	7	2	<0.1	<0.1	11	4
JUL										
29...	<1	7	7	10	11	<1	0.1	0.1	8	3
SEP										
21...	<1	25	7	3	8	<1	0.1	0.1	9	3

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

LOWER MISSISSIPPI RIVER BASIN

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)--Continued

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

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 1992									
15...	<1	<1	2	10	<5	4.3	<0.01	3	<1
NOV									
18...	<1	<1	<1	20	5	5.2	<0.01	1	<1
JAN 1993									
28...	<1	<1	2	30	12	7.6	<0.01	2	<1
MAR									
04...	<1	<1	1	20	<4	6.9	<0.01	1	<1
APR									
21...	<1	<1	<1	20	<4	5.8	<0.01	2	1
MAY									
25...	<1	<1	1	20	4	6.3	<0.01	<1	<1
JUN									
23...	1	<1	2	30	<4	5.9	<0.01	1	<1
JUL									
29...	<1	<1	3	40	5	7.6	<0.01	<1	<1
SEP									
21...	<1	<1	3	30	6	6.4	<0.01	1	<1

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)

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

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

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

PERIOD OF DAILY RECORD.--

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

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

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

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

DISSOLVED SOLIDS: October 1978 to April 19, 1990.

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 1992 TO SEPTEMBER 1993

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
NOV 1992										
18...	1230	444	7.81	13.5	5	31	<1	9.7	15	1.4
FEB 1993										
02...	1230	350	7.55	7.0	10	60	<1	12.3	21	2.7
MAR										
04...	1415	404	7.33	7.5	5	85	<1	14.0	37	5.4
APR										
21...	1200	332	7.35	14.5	20	45	<1	8.9	18	1.4
MAY										
25...	1130	393	7.96	22.0	20	55	<1	7.0	26	0.4
JUN										
23...	1130	439	7.83	25.5	5	70	<1	6.6	24	0.8
JUL										
29...	1200	355	7.86	--	10	95	<1	5.6	26	1.1
SEP										
21...	1120	444	7.71	26.0	10	70	<1	7.3	16	0.5

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

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

DATE	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)
NOV 1992										
18...	K1600	K20	170	45	15	137	53	25	94	0.01
FEB 1993										
02...	--	750	130	36	10	103	35	23	134	--
MAR										
04...	2600	K24	150	40	12	109	41	28	248	0.02
APR										
21...	260	K32	130	37	10	94	36	19	108	0.03
MAY										
25...	230	K10	140	37	11	123	39	25	22	0.02
JUN										
23...	1800	K40	160	44	12	130	52	23	--	<0.01
JUL										
29...	260	<5	150	41	12	127	29	16	234	0.02
SEP										
21...	K270	K260	180	46	15	153	42	20	168	0.01
DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 1992										
18...	1.3	0.5	0.18	2	1	2	2	<1	<1	5
FEB 1993										
02...	--	0.4	0.30	3	<1	3	2	<1	<1	8
MAR										
04...	1.6	0.3	0.15	4	<1	<1	<1	<1	<1	8
APR										
21...	1.7	0.3	0.23	2	<1	<1	<1	<1	<1	3
MAY										
25...	1.7	0.3	0.23	4	1	<1	<1	<1	<1	5
JUN										
23...	2.1	0.3	0.15	3	1	<1	<1	<1	<1	10
JUL										
29...	2.2	0.3	0.33	5	2	<1	<1	<1	<1	8
SEP										
21...	1.9	0.4	0.21	5	3	<1	<1	<1	<1	6

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

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

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

DATE	CHROMIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
NOV 1992										
18...	<1	18	4	7	7	<1	<0.1	<0.1	3	<1
FEB 1993										
02...	<1	--	7	64	14	<1	0.1	0.1	6	3
MAR										
04...	<1	35	4	27	7	<1	<0.1	<0.1	14	2
APR										
21...	<1	5	4	22	4	<1	<0.1	<0.1	4	1
MAY										
25...	<1	15	3	23	5	1	<0.1	<0.1	8	3
JUN										
23...	<1	6	4	13	5	<1	<0.1	<0.1	8	3
JUL										
29...	<1	9	4	17	10	<1	<0.1	<0.1	8	2
SEP										
21...	<1	19	6	<3	6	<1	0.1	0.1	9	4

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
NOV 1992									
18...	<1	<1	3	10	<5	4.8	<0.01	2	<1
FEB 1993									
02...	<1	<1	1	40	11	6.6	<0.01	<1	<1
MAR									
04...	<1	<1	<1	30	<4	6.9	<0.01	<1	<1
APR									
21...	<1	<1	<1	10	<4	5.7	<0.01	2	<1
MAY									
25...	<1	<1	<1	20	<4	6.2	<0.01	<1	<1
JUN									
23...	1	<1	2	30	5	7.2	<0.01	<1	<1
JUL									
29...	<1	<1	3	40	5	8.0	<0.01	<1	<1
SEP									
21...	<1	<1	3	20	7	6.7	<0.01	<1	<1

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

LOWER MISSISSIPPI RIVER BASIN

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA
(National stream-quality accounting network station)

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

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

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to May 1990.

WATER TEMPERATURES: October 1975 to May 1990.

CHLORIDE: October 1974 to May 1990.

SULFATE: October 1974 to September 1978.

DISSOLVED SOLIDS: October 1978 to May 1990.

REMARKS.--The following samples were collected using a pump at the Belle Chasse ferry: Feb. 3, 1993 at 0935; March 5, 1993 at 0735; April 22, 1993 at 0920; May 25, 1993 at 1635; June 29, 1993 at 1120; and July 29, 1993 at 1825.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

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

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

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

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
FEB 1993										
03...	0930	358	7.59	7.5	20	66	11.9	2.3	120	140
03...	0935	357	7.54	7.5	20	64	11.3	1.9	130	160
MAR										
05...	0730	405	7.85	7.0	5	74	12.3	3.5	K140	140
05...	0735	406	7.85	7.5	5	76	12.9	3.5	140	160
APR										
22...	0915	337	8.00	14.5	15	49	9.5	1.0	K140	170
22...	0920	336	7.86	15.0	20	51	7.7	1.0	K60	130
MAY										
25...	1630	396	7.68	22.0	15	43	7.0	0.8	K12	150
25...	1635	398	7.72	22.0	30	42	6.5	0.4	K24	150
JUN										
29...	1115	420	8.10	27.5	5	53	6.3	0.7	K200	230
29...	1120	419	8.14	28.0	5	45	--	--	K130	290
JUL										
29...	1820	363	7.56	29.5	10	110	5.3	1.0	K5	280
29...	1825	361	7.60	29.0	5	100	5.6	0.5	K5	230
SEP										
21...	1500	443	7.86	26.5	10	62	7.9	1.6	1000	50

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

LOWER MISSISSIPPI RIVER BASIN
07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	HARD- NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
FEB 1993										
03...	130	35	10	17	3.0	105	33	23	0.20	7.3
03...	130	35	10	17	3.0	95	36	25	0.20	7.4
MAR										
05...	150	40	12	23	2.9	108	42	30	0.20	7.1
05...	150	40	12	22	2.8	109	42	30	0.20	7.1
APR										
22...	130	35	9.9	14	3.3	92	37	20	0.20	6.6
22...	130	35	9.7	15	3.3	92	37	20	0.20	6.6
MAY										
25...	150	39	12	18	3.3	106	40	26	0.20	7.0
25...	150	39	12	19	3.3	109	40	26	0.20	7.0
JUN										
29...	170	46	13	19	3.3	124	47	27	0.30	7.7
29...	170	44	14	17	3.4	123	47	27	0.30	7.6
JUL										
29...	160	43	12	13	3.6	114	29	18	0.30	9.9
29...	150	42	12	12	3.6	121	29	17	0.30	9.7
SEP										
21...	190	51	15	17	3.9	152	41	21	0.30	10

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
FEB 1993									
03...	188	186	0.01	--	<0.01	0.7	0.29	--	--
03...	224	198	0.03	1.6	0.04	0.6	0.26	0.11	0.12
MAR									
05...	264	225	0.02	1.5	0.06	0.7	0.31	0.11	0.11
05...	228	227	0.03	1.6	0.05	0.6	0.35	0.11	0.11
APR									
22...	186	188	0.03	1.5	0.03	0.4	0.14	0.10	0.08
22...	194	190	0.03	1.5	0.04	0.4	0.13	0.10	0.09
MAY									
25...	242	217	<0.01	1.7	0.04	0.4	0.12	0.09	0.08
25...	252	220	<0.01	1.6	0.03	0.3	0.11	0.09	0.08
JUN									
29...	251	246	<0.01	2.1	0.04	0.3	0.12	0.11	0.11
29...	247	243	<0.01	2.1	0.04	0.3	0.11	0.11	0.10
JUL									
29...	220	209	<0.01	2.3	0.03	0.6	0.21	0.14	0.13
29...	213	209	<0.01	2.2	0.02	0.5	0.20	0.13	0.12
SEP									
21...	259	254	<0.01	1.9	0.04	0.6	0.20	0.12	0.13

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

LOWER MISSISSIPPI RIVER BASIN

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

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

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
FEB 1993												
03...	40	53	<3	29	6	<1	<10	<1	<1	<1	140	<6
03...	40	53	<3	31	4	13	<10	4	<1	<1	140	<6
MAR												
05...	10	53	<3	16	5	4	<10	2	<1	<1	160	<6
05...	20	53	<3	17	4	4	<10	2	<1	<1	160	<6
APR												
22...	40	54	<3	24	<4	11	<10	2	<1	<1	140	<6
22...	40	54	<3	23	<4	11	<10	2	<1	<1	140	<6
MAY												
25...	10	63	<3	20	6	3	<10	3	<1	<1	160	<6
25...	30	63	<3	23	4	3	<10	3	<1	<1	160	<6
JUN												
29...	30	71	<3	6	6	<1	<10	2	1	<1	190	<6
29...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
29...	20	65	<3	7	6	<1	<10	2	<1	<1	160	<6
29...	20	65	<3	8	<4	<1	<10	2	<1	<1	160	<6
SEP												
21...	20	81	<3	<3	7	<1	<10	3	<1	<1	180	<6

DATE	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)	ALPHA, 2 SIGMA SED SUS TOT DRY AS TH-230 (PCI/L)	BETA, 2 SIGMA SED, SUSP, TOT DRY SR90Y90 (PCI/L)
APR 1993								
22...	0.90	0.63	0.76	1.2	<1.0	0.01	2.8	0.92
DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)
APR 1993								
22...	0.9	6.5	3.8	3.8	2.8	3.5	0.06	0.85

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDEED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
FEB 1993				
03...	691000	242	451000	67
03...	691000	167	312000	91
MAR				
05...	641000	333	576000	77
05...	641000	247	427000	96
APR				
22...	844000	248	565000	64
MAY				
25...	865000	136	318000	97
JUN				
29...	593000	161	258000	97
JUL				
29...	631000	259	441000	98
29...	631000	244	416000	88
SEP				
21...	424000	205	235000	98

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

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

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

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 8.449 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Gage height affected by wind and tide.

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

EXTREMES FOR CURRENT PERIOD.--March to September 1992: Maximum gage height recorded during period, 12.11 ft, Sept. 25, but may have been higher during the periods of missing record. Minimum gage height recorded during period, 6.30 ft, July 9.

Water year 1993: Maximum gage height, 13.38 ft, Oct. 3; minimum gage height, 5.39 ft, Mar. 13, but may have been lesser during the periods of missing record.

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	8.77	8.95	9.78	9.43	---	---
2	---	---	---	---	---	---	9.26	8.81	9.91	---	---	---
3	---	---	---	---	---	---	9.45	8.74	9.21	8.99	---	---
4	---	---	---	---	---	---	8.88	9.23	8.92	8.75	---	---
5	---	---	---	---	---	---	9.37	9.21	9.14	8.74	---	---
6	---	---	---	---	---	---	10.35	9.21	9.27	9.45	---	---
7	---	---	---	---	---	---	9.73	9.33	9.30	7.96	---	---
8	---	---	---	---	---	---	9.71	8.79	9.21	7.51	---	---
9	---	---	---	---	---	---	9.68	8.53	8.93	7.34	---	---
10	---	---	---	---	---	8.72	9.79	8.98	8.83	7.52	---	9.71
11	---	---	---	---	---	9.24	9.86	8.93	9.03	7.57	---	9.61
12	---	---	---	---	---	8.78	9.50	8.83	8.96	7.77	---	9.86
13	---	---	---	---	---	8.68	9.38	8.59	8.99	---	---	9.90
14	---	---	---	---	---	8.66	9.63	9.05	8.99	---	---	10.52
15	---	---	---	---	---	8.28	9.80	9.14	9.04	---	---	11.07
16	---	---	---	---	---	9.29	9.96	9.50	9.15	8.84	---	10.96
17	---	---	---	---	---	9.13	10.31	9.75	9.27	9.21	---	10.09
18	---	---	---	---	---	9.26	10.69	9.57	9.02	9.17	---	9.88
19	---	---	---	---	---	8.39	10.65	9.63	8.73	9.25	---	9.71
20	---	---	---	---	---	8.22	10.71	9.62	8.96	9.36	---	9.75
21	---	---	---	---	---	8.92	9.72	9.64	8.99	---	---	9.72
22	---	---	---	---	---	9.50	9.82	9.71	9.38	---	---	9.56
23	---	---	---	---	---	8.96	---	9.34	9.30	---	---	9.77
24	---	---	---	---	---	9.42	8.91	8.86	9.26	---	---	10.06
25	---	---	---	---	---	9.11	---	9.29	9.26	---	---	11.30
26	---	---	---	---	---	9.00	---	9.04	9.28	---	---	11.43
27	---	---	---	---	---	8.67	8.89	9.38	9.41	---	---	10.91
28	---	---	---	---	---	9.23	8.64	9.57	9.57	---	---	10.62
29	---	---	---	---	---	9.34	8.86	9.43	9.50	---	---	10.36
30	---	---	---	---	---	8.95	9.02	9.49	9.59	---	---	10.62
31	---	---	---	---	---	9.06	---	9.83	---	---	---	---
MAX	---	---	---	---	---	9.50	10.71	9.83	9.91	9.45	---	11.43
MIN	---	---	---	---	---	8.22	8.64	8.53	8.73	7.34	---	9.56

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.27	9.76	8.98	8.92	8.45	9.05	8.03	10.04	9.54	8.71	9.32	9.76
2	12.30	9.44	9.07	9.10	9.40	9.27	8.40	10.18	9.21	8.87	9.60	9.76
3	12.17	9.98	9.64	9.71	9.75	9.37	9.07	9.57	8.98	8.98	9.47	9.36
4	10.68	9.69	9.27	9.79	9.66	8.53	9.88	9.47	8.94	8.98	9.32	9.29
5	9.83	8.90	9.34	9.38	9.56	8.12	8.95	9.49	9.00	8.93	9.22	9.57
6	10.01	9.22	9.53	9.31	9.21	8.53	9.02	9.24	8.98	9.04	9.20	9.55
7	10.09	9.49	9.10	9.53	8.78	8.31	9.57	9.22	8.99	8.80	9.16	9.63
8	10.06	9.84	9.27	9.32	8.83	8.12	10.52	9.50	9.07	8.88	9.26	9.68
9	10.01	9.79	9.61	9.55	8.96	8.20	8.99	9.84	9.09	9.07	9.37	9.62
10	10.02	10.00	8.72	9.80	9.70	8.36	8.93	9.68	9.17	8.89	9.56	9.13
11	9.75	10.56	8.39	9.73	9.71	9.29	8.68	9.37	9.15	8.93	9.65	9.33
12	9.77	9.39	8.64	9.38	8.43	10.35	8.95	9.61	9.10	8.99	9.74	9.53
13	9.51	9.32	8.88	9.10	8.57	6.58	9.05	8.81	8.96	9.00	9.50	9.68
14	9.65	9.22	9.44	9.40	8.84	7.63	9.48	9.40	9.22	8.86	9.18	9.97
15	9.85	8.78	9.73	9.71	9.39	8.49	9.30	9.24	9.56	9.00	8.88	9.80
16	9.77	9.27	9.72	9.31	9.35	9.87	8.74	9.20	9.65	9.00	9.26	9.94
17	10.04	9.72	9.32	8.92	9.41	9.23	8.97	9.08	10.31	8.95	9.64	10.13
18	9.85	9.70	9.63	9.04	8.77	9.11	8.73	8.99	10.76	9.01	9.39	10.18
19	10.20	9.99	9.46	9.34	8.96	8.95	8.94	8.90	10.73	8.86	9.06	10.16
20	10.28	10.48	9.14	9.96	8.69	9.43	9.11	9.68	10.34	8.71	8.76	10.03
21	10.39	10.13	8.92	9.58	9.01	9.25	8.83	9.53	9.81	8.86	8.82	10.04
22	10.33	9.54	8.90	9.47	9.20	9.14	8.86	9.66	9.77	8.79	8.48	9.96
23	9.86	9.77	8.87	9.32	9.57	8.90	8.65	9.42	9.50	---	8.49	9.80
24	9.76	10.12	9.06	9.54	9.63	8.94	8.96	9.74	9.69	---	8.75	9.63
25	9.64	9.22	9.30	10.29	9.62	9.10	9.43	9.65	9.49	---	9.55	9.60
26	9.62	9.22	9.54	9.36	9.73	8.88	9.20	9.74	9.35	---	9.68	9.60
27	9.56	8.76	9.62	8.88	9.21	8.69	9.80	9.90	9.31	---	9.29	9.63
28	9.44	9.00	9.54	8.52	8.91	8.71	9.88	9.95	9.26	---	9.37	9.93
29	9.42	8.97	9.17	9.14	---	8.96	9.76	9.59	8.91	---	9.15	10.08
30	9.45	8.83	8.92	9.22	---	9.11	9.76	9.40	8.75	9.43	9.37	10.15
31	9.54	---	8.91	8.95	---	8.69	---	9.31	---	9.31	9.58	---
MAX	12.30	10.56	9.73	10.29	9.75	10.35	10.52	10.18	10.76	9.43	9.74	10.18
MIN	9.42	8.76	8.39	8.52	8.43	6.58	8.03	8.81	8.75	8.71	8.48	9.13

MISSISSIPPI RIVER DELTA

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 31,600 microsiemens, Oct. 22, 1992; minimum daily, 4,600 microsiemens, Mar. 13, 1993.

WATER TEMPERATURE: Maximum daily, 31.5° C, Aug. 1, 1993; minimum daily, 7.3°C Mar. 14, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	27.5	29.0	28.3
2	---	---	---	---	---	---	---	---	---	---	28.9	28.8
3	---	---	---	---	---	---	---	---	25.7	29.1	29.4	29.0
4	---	---	---	---	---	---	---	---	26.0	29.6	29.7	29.0
5	---	---	---	---	---	---	---	---	26.7	29.9	29.9	29.3
6	---	---	---	---	---	---	---	---	27.8	30.0	29.9	29.4
7	---	---	---	---	---	---	---	---	28.4	30.5	30.0	29.5
8	---	---	---	---	---	---	---	---	27.8	30.7	30.6	29.5
9	---	---	---	---	---	---	---	---	27.5	31.1	31.0	29.9
10	---	---	---	---	---	---	---	---	27.9	30.7	31.1	29.9
11	---	---	---	---	---	---	---	---	27.9	30.8	30.5	30.0
12	---	---	---	---	---	---	---	---	27.5	31.1	30.0	30.0
13	---	---	---	---	---	---	---	---	27.8	30.6	29.3	29.6
14	---	---	---	---	---	---	---	---	27.5	29.0	28.8	28.5
15	---	---	---	---	---	---	---	---	28.4	27.1	28.5	27.2
16	---	---	---	---	---	---	---	---	29.0	27.1	28.0	26.3
17	---	---	---	---	---	---	---	---	30.0	28.5	27.1	25.9
18	---	---	---	---	---	---	---	---	30.1	29.0	27.0	26.1
19	---	---	---	---	---	---	---	---	30.0	29.6	27.0	26.7
20	---	---	---	---	---	---	---	---	30.1	30.1	26.5	27.2
21	---	---	---	---	---	---	---	---	30.6	30.0	27.0	27.9
22	---	---	---	---	---	---	---	---	30.0	29.7	27.4	28.1
23	---	---	---	---	---	---	---	---	29.9	29.7	28.0	27.3
24	---	---	---	---	---	---	---	---	30.5	29.3	28.9	26.2
25	---	---	---	---	---	---	---	---	30.8	29.6	28.0	25.7
26	---	---	---	---	---	---	---	---	30.8	30.1	26.8	24.9
27	---	---	---	---	---	---	---	---	30.6	30.1	27.0	24.4
28	---	---	---	---	---	---	---	---	30.7	30.0	27.5	24.3
29	---	---	---	---	---	---	---	---	30.3	30.3	27.3	23.2
30	---	---	---	---	---	---	---	---	28.3	30.0	27.4	22.1
31	---	---	---	---	---	---	---	---	---	29.6	27.8	---
MEAN	---	---	---	---	---	---	---	---	28.9	29.7	28.6	27.5
MAX	---	---	---	---	---	---	---	---	30.8	31.1	31.1	30.0
MIN	---	---	---	---	---	---	---	---	25.7	27.1	26.5	22.1

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.1	24.3	12.4	16.2	12.9	14.0	21.0	22.2	27.5	30.2	31.5	30.4
2	20.5	23.0	12.8	15.7	12.9	14.7	18.6	21.7	27.6	30.1	31.0	30.1
3	20.3	22.6	12.7	16.2	13.3	15.0	18.0	21.9	27.7	30.4	31.1	28.9
4	20.2	21.9	13.7	17.0	13.8	15.0	17.3	22.7	27.9	30.2	31.1	28.4
5	21.2	18.2	14.1	17.8	14.1	15.1	17.4	23.4	28.5	29.7	31.0	28.7
6	21.9	15.1	13.7	17.1	13.6	15.0	17.4	24.3	29.2	30.2	30.0	29.0
7	22.1	13.8	14.6	16.5	12.9	15.3	17.8	25.3	29.6	30.4	29.3	28.9
8	22.7	13.4	13.9	16.0	13.1	16.1	18.2	25.4	29.5	29.6	29.4	29.0
9	22.7	14.4	13.6	15.8	13.7	17.2	17.7	25.6	29.6	28.8	30.3	29.4
10	22.7	15.8	14.2	15.8	14.5	18.0	17.9	25.9	29.5	27.8	30.8	29.2
11	22.8	16.9	13.7	16.5	15.2	17.3	19.0	25.5	29.6	27.6	30.7	29.1
12	21.5	17.8	13.3	17.5	15.6	14.6	20.4	25.8	29.9	28.0	30.8	29.0
13	21.8	16.3	13.5	17.4	14.9	8.5	21.6	24.7	30.2	27.7	31.1	29.0
14	22.5	15.4	14.1	15.3	14.7	7.3	22.2	24.5	30.3	28.4	31.1	28.8
15	23.1	15.5	14.7	13.9	14.9	9.0	21.8	25.3	29.6	29.3	30.0	28.6
16	23.8	15.6	15.0	13.0	15.9	11.0	19.4	26.0	29.6	29.8	29.3	28.5
17	23.2	15.7	15.1	13.3	14.7	11.8	19.2	26.3	28.9	30.1	29.8	28.3
18	22.3	16.1	14.4	14.1	13.1	12.5	19.8	26.6	28.0	30.3	30.6	28.6
19	21.2	17.0	14.5	15.0	11.7	13.8	20.7	26.1	27.3	30.9	30.4	29.1
20	20.9	17.6	15.5	15.8	12.7	14.2	21.8	25.1	27.2	30.8	28.6	29.6
21	21.3	18.2	16.7	16.8	14.5	15.3	21.1	24.3	27.5	30.4	28.2	29.8
22	21.9	19.1	17.6	17.1	15.8	17.0	19.6	23.5	27.2	29.2	28.9	30.1
23	22.3	17.6	18.2	17.6	15.2	17.6	19.7	23.3	26.6	---	29.6	30.5
24	22.9	17.6	17.7	17.5	14.9	18.5	20.3	24.1	26.8	---	29.4	30.4
25	23.1	18.0	16.6	14.6	15.0	19.0	21.3	24.8	27.6	---	29.4	29.7
26	23.4	16.3	16.2	12.7	15.3	19.0	22.5	25.1	28.3	---	29.0	29.2
27	23.7	14.0	16.0	11.3	14.0	18.6	22.4	25.4	28.7	---	29.2	28.0
28	24.0	12.7	16.5	11.9	13.8	19.5	21.8	25.9	28.7	---	29.8	25.0
29	24.3	11.8	16.5	12.3	---	20.1	21.8	26.4	29.2	---	30.4	24.6
30	24.1	12.1	16.7	12.5	---	21.1	22.0	27.6	29.7	30.8	30.1	24.3
31	24.4	---	16.5	12.6	---	22.3	---	28.1	---	31.2	30.1	---
MEAN	22.4	16.8	15.0	15.3	14.2	15.6	20.0	24.9	28.6	---	30.1	28.7
MAX	24.4	24.3	18.2	17.8	15.9	22.3	22.5	28.1	30.3	---	31.5	30.5
MIN	20.2	11.8	12.4	11.3	11.7	7.3	17.3	21.7	26.6	---	28.2	24.3

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	---	---	---	---	---	---	20000	19000	22900	25100	21100	22700
2	---	---	---	---	---	---	23200	18800	22900	---	23100	22600
3	---	---	---	---	---	---	24300	18000	21900	23200	21700	22600
4	---	---	---	---	---	---	22600	17700	20300	21800	23200	23000
5	---	---	---	---	---	---	22300	18300	20100	20000	23500	23700
6	---	---	---	---	---	---	25300	18500	20500	18400	23900	24100
7	---	---	---	---	---	---	25100	19800	20500	19900	24700	23700
8	---	---	---	---	---	---	24200	19500	20400	22400	25300	23500
9	---	---	---	---	---	---	24200	18400	19200	22900	25500	23400
10	---	---	---	---	---	14400	24700	19000	18500	24700	26100	23100
11	---	---	---	---	---	15500	24400	19000	18300	26700	27300	22700
12	---	---	---	---	---	16000	23700	19400	18100	27000	27800	23700
13	---	---	---	---	---	15100	22600	19000	18100	28200	26800	23700
14	---	---	---	---	---	15400	22900	20500	17600	27400	26700	24400
15	---	---	---	---	---	13800	22400	21100	18100	26000	26400	26500
16	---	---	---	---	---	17300	22300	22600	20200	26900	27800	27000
17	---	---	---	---	---	18200	22800	24200	21300	27800	29400	23900
18	---	---	---	---	---	16900	21400	24200	21000	27600	28100	22000
19	---	---	---	---	---	14200	20900	24300	19900	27600	24500	20800
20	---	---	---	---	---	14600	19100	24500	22800	28700	24500	20500
21	---	---	---	---	---	18600	20400	24800	23900	28200	23900	20200
22	---	---	---	---	---	20900	---	25100	27900	27300	24300	19500
23	---	---	---	---	---	19900	---	24600	28000	28700	25500	19900
24	---	---	---	---	---	22500	---	23200	28100	29100	26600	21100
25	---	---	---	---	---	21400	---	23600	28800	28600	30000	23800
26	---	---	---	---	---	21300	---	23000	28500	27200	29900	23400
27	---	---	---	---	---	20800	18400	23300	28800	25700	27000	20900
28	---	---	---	---	---	22300	18500	22900	29200	23700	26300	20200
29	---	---	---	---	---	23000	18600	21800	29000	23100	25600	20100
30	---	---	---	---	---	20600	19000	21800	26600	23100	23400	22200
31	---	---	---	---	---	21500	---	22600	---	21700	23300	---
MEAN	---	---	---	---	---	---	22100	21400	22700	25300	25600	22600
MAX	---	---	---	---	---	---	25300	25100	29200	29100	30000	27000
MIN	---	---	---	---	---	---	18400	17700	17600	18400	21100	19500

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25200	23300	16300	12500	9650	12600	15400	15500	17200	12000	19200	26100
2	28000	23000	17400	14600	11500	12900	16800	15200	16700	12600	21500	26500
3	31500	24100	20600	14800	12200	11900	18300	14800	15300	13300	21400	24400
4	25200	21500	19500	14000	12300	9520	21700	14400	14600	13400	20400	22500
5	22200	17900	19300	13200	12500	8260	17800	15100	14700	13000	19300	23600
6	21400	20700	22500	13200	11100	8710	18300	15100	14300	13500	18100	24000
7	21300	24700	19900	13600	10000	8310	20500	14900	14600	13300	18600	23300
8	20800	24300	20300	12400	10200	7860	22900	14900	14300	12900	18800	24000
9	21500	27000	22100	13100	10100	8190	19700	15000	13900	13400	19600	23800
10	20600	28600	18100	13300	10900	9530	18400	15000	14000	12500	20100	18400
11	22600	27300	15100	13000	9580	16700	17400	14300	12700	12500	21500	22900
12	23500	23300	16300	12300	9460	21800	17700	13800	12300	12000	21800	23000
13	21500	21300	17800	11300	8880	4600	17900	12200	12100	12200	19900	23300
14	21300	20500	20500	12200	8960	7680	19800	12400	12300	11000	19400	24200
15	22100	17000	21300	12700	11000	13200	17900	12200	13400	10900	18100	23500
16	21900	20100	20700	12400	11000	22500	15300	12200	14400	11000	18800	23700
17	23100	22600	18400	12300	9400	23100	16200	12400	16100	11200	20400	24600
18	23700	23200	19500	13300	10600	24900	15700	12600	18900	12300	21800	25200
19	26300	24000	18700	14000	13600	23300	15700	12100	19500	12900	21700	25200
20	26700	24200	16600	15100	13100	25300	15200	16600	19100	11900	19500	24700
21	28000	23400	15400	14100	12700	24000	14200	18200	17300	13700	18000	24700
22	31600	21200	14500	13700	12900	23100	15500	20100	16000	13900	16700	23900
23	28300	19600	14000	13000	14200	20900	14500	19400	14600	---	16100	23100
24	29600	20900	13800	11200	14900	19100	14600	19700	13700	---	16800	21800
25	27800	18100	15900	11700	14800	19900	15000	18600	13700	---	21300	21400
26	26600	16000	16400	9700	15200	19600	15000	19000	13000	---	24700	20800
27	26100	14600	16800	8480	14000	18700	15600	20500	12600	---	22800	21100
28	25300	14800	15800	9480	12600	18100	15900	21500	12700	---	23100	23000
29	24600	15100	14400	11900	---	19000	15800	20000	12300	16700	22800	23800
30	24900	14600	14400	13100	---	19900	15700	18000	12400	17900	23600	24000
31	25500	---	12900	12200	---	18300	---	17100	---	17800	25300	---
MEAN	24800	21200	17600	12600	11700	16200	17000	15900	14600	13100	20400	23500
MAX	31600	28600	22500	15100	15200	25300	22900	21500	19500	17900	25300	26500
MIN	20600	14600	12900	8480	8880	4600	14200	12100	12100	10900	16100	18400

MISSISSIPPI RIVER DELTA

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

LOCATION.--Lat 29° 35' 04" , long 89° 36' 23" , Plaquemines Parish, Hydrologic Unit 08090203, on a 3 pile platform 13.0 mi east southeast of Pointe-A-La-Hache.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 8.120 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.97 ft, Oct. 3, 1993; minimum, 6.50 ft, Aug. 21, 1992.

EXTREMES FOR CURRENT PERIOD.--January to September 1992: Maximum gage height recorded during period, 12.04 ft, Aug. 25; minimum gage height recorded during period, 6.50 ft, Aug. 21.

Water year 1993: Maximum gage height, 12.97 ft, Oct. 3; minimum gage height, 6.83 ft, Mar. 5.

GAGE HEIGHT(FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	8.70	8.29	8.49	8.63	9.42	8.88	8.64	---
2	---	---	---	---	8.95	8.43	8.97	8.49	9.71	---	8.74	---
3	---	---	---	---	9.28	8.78	9.09	8.41	9.13	8.74	8.62	---
4	---	---	---	---	10.26	9.38	8.44	8.86	8.82	8.53	8.98	---
5	---	---	---	---	10.02	10.13	8.93	8.85	9.08	8.37	8.84	---
6	---	---	---	---	9.23	9.86	---	8.95	9.19	8.20	8.84	---
7	---	---	---	---	8.79	9.14	---	9.10	9.24	8.27	8.94	---
8	---	---	---	---	9.14	9.16	---	8.44	9.14	8.18	9.11	---
9	---	---	---	---	9.26	9.40	---	8.14	8.88	8.23	9.07	---
10	---	---	---	---	9.08	8.51	---	8.60	8.76	8.33	9.23	9.35
11	---	---	---	---	9.06	8.99	---	8.54	9.02	8.40	9.52	9.31
12	---	---	---	---	9.04	8.42	---	8.58	8.91	8.58	9.53	9.58
13	---	---	---	---	9.05	8.38	---	8.45	8.87	8.83	8.85	9.57
14	---	---	---	---	9.32	8.28	---	8.90	8.81	8.80	7.60	10.17
15	---	---	---	---	9.14	7.91	---	8.98	8.96	8.51	7.44	10.68
16	---	---	---	---	9.34	9.00	---	9.36	9.11	8.87	7.72	10.56
17	---	---	---	---	9.40	8.83	---	9.60	9.24	8.98	7.85	9.65
18	---	---	---	---	9.31	8.90	---	9.44	9.00	8.97	7.42	9.44
19	---	---	---	---	9.17	8.11	---	9.50	8.70	9.04	7.18	9.30
20	---	---	---	---	9.56	8.01	---	9.49	8.91	9.16	7.32	9.34
21	---	---	---	---	9.24	8.68	---	9.51	8.97	9.11	7.38	9.27
22	---	---	---	---	9.59	9.19	---	9.60	9.42	9.16	7.48	9.16
23	---	---	---	---	9.23	8.75	9.19	9.21	9.26	9.37	7.74	9.45
24	---	---	---	---	9.42	9.20	8.62	8.69	9.20	9.51	8.02	9.79
25	---	---	---	---	9.42	8.85	8.57	9.15	9.16	9.37	10.67	10.93
26	---	---	---	---	7.86	8.82	8.82	8.87	9.20	9.19	10.26	11.08
27	---	---	---	---	8.35	8.42	8.64	9.17	9.27	8.81	8.72	10.56
28	---	---	---	---	8.03	9.02	8.38	9.16	9.37	8.50	9.46	10.26
29	---	---	---	9.69	7.88	9.15	8.51	8.99	9.26	8.56	---	10.11
30	---	---	---	9.15	---	8.83	8.70	9.12	8.98	8.67	---	10.34
31	---	---	---	8.56	---	8.91	---	9.48	---	8.62	---	---
MAX	---	---	---	9.69	10.26	10.13	9.19	9.60	9.71	9.51	10.67	11.08
MIN	---	---	---	8.56	7.86	7.91	8.38	8.14	8.70	8.18	7.18	9.16

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.99	9.36	8.80	8.82	8.22	8.81	7.72	9.93	9.33	8.39	8.79	9.53
2	12.02	9.05	8.76	8.93	9.17	8.98	8.25	10.03	8.93	8.56	9.01	9.51
3	11.88	9.57	9.22	9.47	9.48	9.03	8.85	9.43	8.63	8.68	8.92	9.07
4	10.26	9.50	8.91	9.56	9.45	8.25	9.72	9.37	8.55	8.65	8.77	9.03
5	9.41	8.84	9.19	9.15	9.33	7.90	8.75	9.40	8.62	8.59	8.68	9.33
6	9.59	8.99	9.38	9.08	9.06	8.27	8.82	9.17	8.61	8.72	8.66	9.31
7	9.71	9.19	8.87	9.29	8.55	8.02	9.34	9.12	8.60	8.55	8.49	9.41
8	9.61	9.50	9.08	9.06	8.60	7.88	10.30	9.40	8.66	8.72	8.62	9.48
9	9.60	9.58	9.35	9.32	8.74	7.94	8.70	9.73	8.71	8.89	8.73	9.37
10	9.56	9.79	8.51	9.57	9.43	8.11	8.61	9.50	8.80	8.70	8.95	8.87
11	9.39	10.39	8.23	9.48	9.41	9.10	8.37	9.20	8.79	8.77	9.06	9.08
12	9.37	9.21	8.50	9.09	8.19	---	8.69	9.40	8.74	8.78	9.13	9.28
13	9.07	9.23	8.75	8.92	8.33	---	8.81	8.57	8.59	8.90	8.91	9.38
14	9.21	9.10	9.31	9.24	8.57	---	9.28	9.20	8.87	8.72	8.63	9.67
15	9.44	8.61	9.63	9.51	9.06	---	9.06	9.03	9.19	8.80	8.25	9.45
16	9.34	9.10	9.60	9.06	9.11	---	8.55	8.97	9.32	8.80	8.70	9.67
17	9.66	9.60	9.26	8.66	9.24	---	8.78	8.85	10.01	8.76	9.12	9.85
18	9.48	9.59	9.57	8.77	8.69	---	8.56	8.76	10.48	8.81	8.97	9.90
19	9.82	9.80	9.36	9.03	8.81	---	8.78	8.69	10.42	8.66	9.00	9.96
20	9.85	10.25	8.96	9.64	8.48	---	8.97	9.53	10.01	8.49	8.55	9.76
21	---	9.95	8.78	9.29	8.73	---	8.81	9.41	9.48	8.65	8.58	9.51
22	10.04	9.36	8.74	9.15	8.99	---	8.78	9.51	9.43	8.54	8.25	9.51
23	9.62	9.61	8.74	9.10	9.38	8.61	8.51	9.20	9.13	8.41	8.29	9.35
24	9.50	10.03	9.05	9.41	9.41	8.72	8.81	9.51	9.33	8.49	8.61	9.15
25	9.35	9.23	9.17	10.16	9.34	8.87	9.30	9.43	9.15	8.53	9.40	9.10
26	9.31	8.96	9.48	9.24	9.55	8.69	9.13	9.54	9.01	8.61	9.53	9.10
27	9.24	8.54	9.47	8.73	9.02	8.49	9.76	9.72	8.98	8.64	9.12	9.24
28	9.08	8.67	9.41	8.34	8.74	8.49	9.78	9.78	8.92	8.65	9.18	9.54
29	9.06	8.65	9.05	8.96	---	8.75	9.65	9.40	8.55	8.72	8.95	9.76
30	9.07	8.50	8.77	9.05	---	8.84	9.61	9.19	8.40	8.87	9.13	9.84
31	9.18	---	8.77	8.73	---	8.38	---	9.07	---	8.76	9.34	---
MAX	12.02	10.39	9.63	10.16	9.55	9.10	10.30	10.03	10.48	8.90	9.53	9.96
MIN	9.06	8.50	8.23	8.34	8.19	7.88	7.72	8.57	8.40	8.39	8.25	8.87

MISSISSIPPI RIVER DELTA

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: January 1992 to current year.

SPECIFIC CONDUCTANCE: June 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 33.6°C, July 8, 1992; minimum daily, 6.4° C, Mar. 14, 1993.

SPECIFIC CONDUCTANCE: Maximum daily, 32,600 microsiemens, Oct. 3, 1993; minimum daily, 6,000 microsiemens, Feb. 1, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	27.3	28.9	28.4
2	---	---	---	---	---	---	---	---	---	28.1	28.8	28.7
3	---	---	---	---	---	---	---	---	25.4	29.0	29.2	28.8
4	---	---	---	---	---	---	---	---	26.0	29.7	29.6	28.9
5	---	---	---	---	---	---	---	---	26.6	30.4	29.9	29.3
6	---	---	---	---	---	---	---	---	27.9	30.6	29.9	29.6
7	---	---	---	---	---	---	---	---	28.4	30.9	30.1	29.5
8	---	---	---	---	---	---	---	---	27.8	31.1	30.5	29.6
9	---	---	---	---	---	---	---	---	27.8	31.3	30.9	30.0
10	---	---	---	---	---	---	---	---	28.2	31.0	30.9	30.0
11	---	---	---	---	---	---	---	---	28.0	31.1	30.0	30.0
12	---	---	---	---	---	---	---	---	27.7	31.4	29.6	29.7
13	---	---	---	---	---	---	---	---	27.7	30.6	29.1	29.5
14	---	---	---	---	---	---	---	---	27.4	28.9	28.5	28.4
15	---	---	---	---	---	---	---	---	28.4	27.1	28.0	26.9
16	---	---	---	---	---	---	---	---	29.1	26.9	27.2	26.1
17	---	---	---	---	---	---	---	---	29.9	28.3	26.5	25.7
18	---	---	---	---	---	---	---	---	30.0	28.9	26.8	25.9
19	---	---	---	---	---	---	---	---	30.0	29.5	26.8	26.7
20	---	---	---	---	---	---	---	---	30.3	30.0	26.4	27.4
21	---	---	---	---	---	---	---	---	30.5	29.9	26.9	27.9
22	---	---	---	---	---	---	---	---	30.0	29.8	27.3	28.1
23	---	---	---	---	---	---	---	---	29.4	29.8	27.8	27.2
24	---	---	---	---	---	---	---	---	30.1	29.1	28.6	25.9
25	---	---	---	---	---	---	---	---	30.6	29.5	27.7	25.5
26	---	---	---	---	---	---	---	---	30.7	29.9	26.5	25.0
27	---	---	---	---	---	---	---	---	30.5	29.8	26.9	24.6
28	---	---	---	---	---	---	---	---	30.7	30.0	27.7	24.4
29	---	---	---	---	---	---	---	---	30.4	30.3	27.2	23.2
30	---	---	---	---	---	---	---	---	28.2	30.0	27.0	21.9
31	---	---	---	---	---	---	---	---	---	29.5	27.8	---
MEAN	---	---	---	---	---	---	---	---	28.8	29.7	28.4	27.4
MAX	---	---	---	---	---	---	---	---	30.7	31.4	30.9	30.0
MIN	---	---	---	---	---	---	---	---	25.4	26.9	26.4	21.9

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.1	24.3	12.4	16.2	12.9	13.8	20.9	22.2	27.5	30.0	31.5	30.1
2	20.4	23.0	12.4	15.7	13.0	14.6	18.3	21.5	27.5	30.3	31.0	30.1
3	20.2	22.4	12.3	16.3	13.5	15.1	17.6	21.8	27.5	30.6	31.6	28.8
4	20.2	21.8	13.6	17.2	14.0	15.0	17.7	22.6	27.7	30.1	31.7	28.3
5	21.1	17.7	14.2	18.0	14.2	15.2	17.5	23.4	28.3	29.6	31.4	28.7
6	22.1	14.5	13.7	17.4	13.5	15.2	17.3	24.1	29.0	29.9	30.2	28.9
7	22.1	13.2	14.8	16.6	12.8	15.3	17.8	25.1	29.4	30.2	29.2	28.8
8	22.6	13.2	14.1	16.1	13.3	16.3	18.1	25.2	29.4	29.5	29.4	29.0
9	22.6	14.4	13.8	15.8	14.0	17.2	17.6	25.5	29.3	28.4	30.3	29.7
10	22.6	15.5	14.3	15.9	14.6	17.8	17.6	25.7	29.3	27.7	30.6	29.5
11	22.6	16.7	13.9	16.6	15.2	17.5	18.9	25.4	29.5	27.5	30.9	29.3
12	21.6	17.8	13.4	17.7	15.5	14.7	20.2	25.7	29.8	27.7	30.9	29.1
13	21.9	16.1	13.6	17.5	14.8	8.8	21.6	24.6	30.2	27.8	31.3	28.9
14	22.7	15.2	14.3	15.1	14.6	7.6	22.1	24.3	30.0	28.3	31.2	28.6
15	23.5	15.3	15.0	13.6	14.8	8.8	21.8	25.7	29.7	29.3	30.1	28.4
16	24.0	15.5	15.2	12.9	16.0	10.2	19.2	26.1	29.6	29.9	29.4	28.3
17	23.4	15.8	15.1	13.1	14.7	11.3	18.7	26.3	28.7	30.0	29.8	27.9
18	22.3	16.2	14.5	13.9	12.9	12.1	19.3	26.2	27.9	30.5	30.4	28.2
19	20.9	17.1	14.5	15.1	11.4	13.4	20.4	26.0	27.2	31.0	30.4	28.7
20	20.6	17.9	15.7	16.0	12.6	14.2	21.6	25.1	27.0	31.0	28.5	29.3
21	---	18.5	17.2	17.1	14.5	15.3	20.9	24.1	27.3	30.5	28.3	29.5
22	22.0	19.2	18.0	17.4	16.3	16.8	19.0	23.2	27.1	29.0	29.0	29.9
23	22.3	17.7	18.4	17.8	15.4	18.1	19.4	23.1	26.6	28.3	29.7	30.3
24	22.7	17.6	17.9	17.7	15.1	18.7	20.1	24.0	26.7	28.1	29.7	30.3
25	22.9	18.0	16.7	14.5	15.1	19.0	21.0	24.5	27.7	28.1	29.6	29.8
26	23.4	16.2	16.3	12.5	15.4	19.1	22.2	24.9	28.4	29.2	29.0	29.2
27	23.6	13.7	16.1	11.3	13.7	18.4	22.1	25.2	28.6	30.0	29.1	27.6
28	23.9	12.3	16.7	11.6	13.4	19.3	21.7	25.7	28.6	30.7	29.5	24.1
29	24.3	11.6	16.7	12.3	---	20.0	21.6	26.2	29.0	30.8	29.8	23.9
30	24.1	11.9	16.9	12.3	---	21.1	21.8	27.4	29.6	30.9	29.7	23.9
31	24.4	---	16.9	12.4	---	22.3	---	28.0	---	31.2	29.7	---
MEAN	22.4	16.7	15.1	15.3	14.2	15.6	19.8	24.8	28.5	29.6	30.1	28.6
MAX	24.4	24.3	18.4	18.0	16.3	22.3	22.2	28.0	30.2	31.2	31.7	30.3
MIN	20.2	11.6	12.3	11.3	11.4	7.6	17.3	21.5	26.6	27.5	28.3	23.9

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	---	---	---	---	13000	12300	17100	16000	22000	19800	21800	23800
2	---	---	---	---	14000	12500	19300	15600	21700	16500	21300	22400
3	---	---	---	---	15400	14000	20500	14900	20900	17200	21900	22100
4	---	---	---	---	20000	15700	19000	14800	18600	16300	22900	22900
5	---	---	---	---	21800	19500	17900	15400	18800	15600	22100	23900
6	---	---	---	---	17000	21200	20100	15300	18200	13400	21900	24000
7	---	---	---	---	15500	17800	19200	16200	17000	13500	22300	23800
8	---	---	---	---	17400	17400	18200	16600	18100	19300	23300	23800
9	---	---	---	---	18400	17700	17500	16600	17200	20900	24200	23400
10	---	---	---	---	18500	15300	17600	17300	16300	19700	24900	23000
11	---	---	---	---	18000	15300	17300	17800	16200	19400	26000	22700
12	---	---	---	---	18100	13500	17100	17700	16300	21700	26500	23100
13	---	---	---	---	17400	13600	16400	17700	15800	23500	24800	23100
14	---	---	---	---	17900	13200	16000	19000	15400	23500	23700	24200
15	---	---	---	---	18600	12300	15800	20100	15400	22100	23200	24600
16	---	---	---	---	18300	15300	15200	21700	16300	22700	23100	24600
17	---	---	---	---	18500	16300	13300	23300	17800	24700	22900	22900
18	---	---	---	---	17600	15300	11000	23900	17700	25200	21900	21300
19	---	---	---	---	17200	13300	10100	24300	16000	25600	20900	19800
20	---	---	---	---	17300	12500	8710	24900	17000	26100	20100	18900
21	---	---	---	---	18200	14400	9780	25600	18100	26200	20500	17900
22	---	---	---	---	19300	15700	11700	25900	20800	25800	21200	17500
23	---	---	---	---	17900	14900	14100	26200	19900	26800	21800	18000
24	---	---	---	---	17500	16400	14700	25200	20700	27600	21900	19200
25	---	---	---	---	18000	16300	15500	25500	22400	27100	23800	21900
26	---	---	---	---	12700	16500	15700	25000	24100	25500	22700	23600
27	---	---	---	---	13200	15500	15000	25100	23900	23700	19600	22100
28	---	---	---	---	11900	16900	15000	25000	23900	22000	19100	20900
29	---	---	---	18000	11400	17700	15300	22800	23800	21300	24700	19000
30	---	---	---	15400	---	17000	15800	22900	21600	21200	26100	18400
31	---	---	---	13400	---	16900	---	22800	---	21700	25300	---
MEAN	---	---	---	---	16900	15600	15700	20700	19100	21800	22800	21900
MAX	---	---	---	---	21800	21200	20500	26200	24100	27600	26500	24600
MIN	---	---	---	---	11400	12300	8710	14800	15400	13400	19100	17500

MISSISSIPPI RIVER DELTA

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23100	22200	13100	14200	7840	10800	11600	15600	14400	8950	15900	19800
2	29000	19700	13800	13800	10300	11200	13600	14500	14300	9770	17100	20300
3	30600	21300	15600	14800	11800	11000	15300	13900	13300	10800	17400	19000
4	26100	20100	15100	17400	13000	10100	17700	13600	12400	11500	16600	18600
5	21700	16900	16300	16000	12900	8940	16500	13400	12400	11500	15900	19600
6	19900	16400	18800	15900	12400	9020	16300	13300	12500	12000	15200	20500
7	19600	17200	17200	15800	10700	9240	16900	12900	12000	13300	14200	21100
8	19400	19800	17500	15100	11200	9100	21400	12700	11500	13400	14100	20700
9	19600	24200	18200	15400	11200	9000	19000	12100	10900	12200	16100	20100
10	18800	25900	15900	16000	12400	10200	15600	12000	10800	11500	17000	18800
11	18500	28000	13500	16200	12900	13300	14700	12600	10500	10800	17600	20200
12	17900	21400	14200	14900	10300	19100	14900	12600	10700	12300	19000	20400
13	17200	17800	15200	13200	9090	14100	15200	11900	11200	9400	17700	20500
14	18400	17700	17500	13900	9780	9860	16400	11900	11200	10100	15200	21500
15	20300	13700	21100	15100	10900	11000	15900	11700	11800	11700	14100	21600
16	20400	14500	19400	13700	11400	16200	14200	11200	12700	11500	15900	21600
17	20500	16300	17100	11900	11400	17900	14600	10900	15100	11600	17900	22200
18	20300	19000	17400	11800	11200	17100	14600	10900	19700	11900	18700	22700
19	21200	20200	17000	12500	10900	16600	14800	10700	21500	12000	19200	22800
20	22300	22300	16300	14700	11000	19900	14000	12200	21300	11300	17400	22300
21	---	20700	14400	14100	11000	19900	14400	14100	19600	11600	15100	22200
22	25900	19100	13900	12900	10300	17900	14400	15500	17200	11400	13700	21900
23	24300	17200	14100	11800	10600	15700	13800	15300	15100	10700	14100	20600
24	23300	19800	14300	11300	10700	17300	15000	16000	14100	9960	15100	19600
25	23400	16800	15100	13500	11200	18400	15300	15800	13100	9800	19100	18500
26	23400	13500	15700	11500	11500	18000	15400	15700	12100	9380	21500	18200
27	22700	10900	17200	9830	11300	16300	16400	16200	11400	11800	21200	19000
28	21900	11100	16700	8570	11200	16600	16900	16300	10900	12800	20900	20900
29	21500	11000	16100	9450	---	16900	17300	16300	9940	13300	20900	21500
30	21800	10200	14500	9480	---	17700	16600	15100	9250	14700	20300	21800
31	22000	---	14200	9020	---	15700	---	14200	---	15000	19700	---
MEAN	21800	18200	16000	13300	11100	14300	15600	13600	13400	11500	17200	20600
MAX	30600	28000	21100	17400	13000	19900	21400	16300	21500	15000	21500	22800
MIN	17200	10200	13100	8570	7840	8940	11600	10700	9250	8950	13700	18200

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.-- Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.-- Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 9.739 ft below sea level (levels determined by Global Positioning System).

REMARKS.-- Gage height affected by wind and tide.

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

EXTREMES FOR CURRENT PERIOD.-- February to September 1992: Maximum gage height during period, 15.06 ft Aug. 25; minimum, 7.98 ft, Feb. 26.

Water year 1993: Maximum gage height, 14.34 ft, Oct. 3; minimum gage height, 6.60 ft, Mar. 13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	9.54	9.63	9.82	10.46	10.12	9.69	10.25
2	---	---	---	---	---	9.67	10.08	9.66	10.73	---	9.79	10.22
3	---	---	---	---	---	9.98	10.22	9.59	10.16	10.01	9.68	10.26
4	---	---	---	---	---	10.54	9.52	10.15	9.97	9.85	9.99	10.57
5	---	---	---	---	---	11.35	10.06	10.07	10.26	9.71	9.84	10.70
6	---	---	---	---	---	11.04	11.11	10.35	10.35	9.56	9.85	10.70
7	---	---	---	---	---	10.37	10.37	10.40	10.41	9.60	9.95	10.61
8	---	---	---	---	---	10.35	10.41	9.65	10.32	9.50	10.11	10.57
9	---	---	---	---	---	10.58	10.33	9.37	10.10	9.52	10.06	10.49
10	---	---	---	---	---	9.87	10.42	9.76	9.97	9.61	10.23	10.50
11	---	---	---	---	---	10.35	10.49	9.70	10.28	9.70	10.52	10.47
12	---	---	---	---	---	9.70	10.16	9.66	10.13	9.85	10.48	10.75
13	---	---	---	---	10.18	9.71	10.05	9.55	10.10	10.06	10.22	10.67
14	---	---	---	---	10.54	9.53	10.24	9.96	10.06	9.95	10.41	---
15	---	---	---	---	10.33	9.15	10.40	10.06	10.21	---	10.29	11.80
16	---	---	---	---	10.55	10.23	10.53	10.38	10.36	---	10.55	11.67
17	---	---	---	---	10.53	10.02	10.84	10.61	10.44	---	10.62	10.76
18	---	---	---	---	10.52	10.07	11.18	10.47	10.20	10.17	10.13	10.58
19	---	---	---	---	10.42	9.32	11.17	10.54	9.99	10.04	9.90	10.45
20	---	---	---	---	10.78	9.42	11.06	10.49	10.22	10.16	10.04	10.49
21	---	---	---	---	10.44	9.89	10.40	10.51	10.22	10.10	10.07	10.41
22	---	---	---	---	10.76	10.33	10.58	10.65	10.68	10.16	10.12	10.29
23	---	---	---	---	10.43	10.14	10.21	10.27	10.50	10.35	10.44	10.64
24	---	---	---	---	10.62	10.37	9.70	9.80	10.46	10.50	10.72	10.99
25	---	---	---	---	10.58	10.03	9.79	10.24	10.50	10.33	13.41	12.06
26	---	---	---	---	9.28	9.96	10.05	9.98	10.54	10.14	11.66	12.18
27	---	---	---	---	9.63	9.60	9.85	10.23	10.57	9.76	9.93	11.73
28	---	---	---	---	9.26	10.15	9.59	10.19	10.67	9.52	10.72	11.47
29	---	---	---	---	9.11	10.23	9.70	10.03	10.54	9.57	10.73	11.40
30	---	---	---	---	---	10.02	9.90	10.22	10.21	9.64	10.41	11.58
31	---	---	---	---	---	10.08	---	10.55	---	9.63	10.46	---
MAX	---	---	---	---	10.78	11.35	11.18	10.65	10.73	10.50	13.41	12.18
MIN	---	---	---	---	9.11	9.15	9.52	9.37	9.97	9.50	9.68	10.22

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.22	10.48	10.05	10.03	9.42	9.98	9.20	11.12	10.47	9.69	9.95	10.86
2	13.26	10.26	9.98	10.10	10.38	10.11	9.62	11.14	9.97	9.87	10.16	10.71
3	13.12	10.70	10.39	10.61	10.67	10.21	10.11	10.65	9.73	9.94	10.06	10.28
4	11.43	10.75	10.07	10.65	10.59	9.46	10.91	10.60	9.67	9.84	9.91	10.24
5	10.59	10.23	10.44	10.31	10.52	9.12	10.09	10.58	9.69	9.83	9.78	10.53
6	10.79	10.29	10.50	10.26	10.34	9.48	10.11	10.37	9.69	9.94	9.71	10.45
7	10.89	10.46	10.06	10.46	9.81	9.20	10.55	10.37	9.65	9.71	9.64	10.59
8	10.81	10.76	10.28	10.21	9.78	9.09	11.46	10.59	9.70	9.88	9.80	10.65
9	10.81	10.77	10.49	10.50	9.92	9.14	10.05	10.90	9.76	10.02	9.92	10.55
10	10.74	11.01	9.69	10.67	10.54	9.29	9.90	10.68	9.82	9.88	10.11	10.15
11	10.61	11.53	9.46	10.58	10.54	10.35	9.66	10.47	9.80	9.94	10.20	10.36
12	10.54	10.38	9.68	10.25	9.43	11.82	9.99	10.68	9.75	9.98	10.27	10.52
13	10.26	10.51	9.92	10.17	9.56	7.72	10.08	9.95	9.63	9.96	10.07	10.56
14	10.39	10.30	10.46	10.44	9.75	8.54	10.52	10.52	9.89	9.85	9.77	10.84
15	10.62	9.83	10.76	10.68	10.20	9.52	10.39	10.32	10.10	10.00	9.38	10.71
16	10.55	10.28	---	10.24	10.31	10.81	9.93	10.27	---	10.01	9.82	10.91
17	10.91	10.80	---	9.82	10.48	10.25	10.05	10.15	---	9.98	10.20	11.14
18	10.71	10.78	---	9.94	9.95	10.09	9.81	10.00	11.65	10.04	10.08	11.09
19	11.02	10.97	---	10.19	9.98	10.00	9.97	10.01	11.59	9.85	10.01	11.01
20	11.02	11.41	---	10.69	9.65	10.37	10.16	10.84	11.21	9.76	9.69	10.89
21	11.16	11.10	---	10.40	9.90	10.11	10.20	10.70	10.76	9.90	9.80	10.91
22	11.23	10.47	---	10.26	10.19	9.94	10.07	10.75	10.76	9.83	9.58	10.81
23	10.83	10.88	9.88	10.21	10.55	9.85	9.74	10.42	10.47	9.69	9.52	10.64
24	10.70	11.16	10.28	10.66	10.54	9.98	10.01	10.71	10.65	9.78	9.81	10.45
25	10.57	10.44	10.30	11.35	10.50	10.12	10.51	10.63	10.50	9.75	10.61	10.39
26	10.53	10.27	10.69	10.46	10.80	10.01	10.41	10.75	10.37	9.84	10.70	10.44
27	10.45	9.84	10.60	9.93	10.22	9.82	11.00	10.90	10.34	9.88	10.39	10.69
28	10.29	9.92	10.54	9.52	9.92	9.75	10.97	10.91	10.22	9.84	10.45	10.94
29	10.28	9.88	10.19	10.17	---	10.00	10.82	10.56	9.84	9.87	10.17	11.09
30	10.27	9.74	9.92	10.24	---	10.07	10.76	10.35	9.69	10.01	10.46	11.17
31	10.37	---	9.93	9.93	---	9.72	---	10.21	---	9.93	10.65	---
MAX	13.26	11.53	10.76	11.35	10.80	11.82	11.46	11.14	11.65	10.04	10.70	11.17
MIN	10.26	9.74	9.46	9.52	9.42	7.72	9.20	9.95	9.63	9.69	9.38	10.15

MISSISSIPPI RIVER DELTA

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

WATER-QUALITY RECORD

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Feb. 1992 to current year.

WATER TEMPERATURE: June 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 35,500 microsiemens, March 11, 1993; minimum daily, 6,700 microsiemens, May 15, 1993.

WATER TEMPERATURE: Maximum daily, 31.8°C, Aug. 18, 1993; minimum daily, 7.4°C, Mar. 14, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	27.4	29.1	28.4
2	---	---	---	---	---	---	---	---	---	---	28.7	28.8
3	---	---	---	---	---	---	---	---	25.8	29.4	29.3	28.9
4	---	---	---	---	---	---	---	---	26.2	30.7	29.6	29.0
5	---	---	---	---	---	---	---	---	27.3	31.1	30.0	29.6
6	---	---	---	---	---	---	---	---	28.5	30.7	29.9	29.8
7	---	---	---	---	---	---	---	---	28.2	31.0	30.2	29.6
8	---	---	---	---	---	---	---	---	27.4	31.3	30.6	29.8
9	---	---	---	---	---	---	---	---	27.9	31.0	30.9	30.4
10	---	---	---	---	---	---	---	---	28.6	30.4	31.0	30.4
11	---	---	---	---	---	---	---	---	27.8	31.0	30.0	30.5
12	---	---	---	---	---	---	---	---	27.3	31.3	29.6	29.9
13	---	---	---	---	---	---	---	---	27.5	30.0	28.9	29.6
14	---	---	---	---	---	---	---	---	27.4	28.3	27.9	---
15	---	---	---	---	---	---	---	---	28.3	---	27.8	26.9
16	---	---	---	---	---	---	---	---	29.3	---	27.3	26.1
17	---	---	---	---	---	---	---	---	29.9	---	26.6	25.8
18	---	---	---	---	---	---	---	---	30.1	---	26.9	26.1
19	---	---	---	---	---	---	---	---	30.2	31.2	26.8	27.1
20	---	---	---	---	---	---	---	---	30.3	30.9	26.2	27.6
21	---	---	---	---	---	---	---	---	30.9	30.2	27.0	28.1
22	---	---	---	---	---	---	---	---	30.0	29.7	27.5	28.1
23	---	---	---	---	---	---	---	---	29.3	29.6	28.4	27.2
24	---	---	---	---	---	---	---	---	29.7	29.1	29.1	25.8
25	---	---	---	---	---	---	---	---	30.5	29.9	27.8	25.7
26	---	---	---	---	---	---	---	---	29.6	30.3	26.6	25.3
27	---	---	---	---	---	---	---	---	29.6	30.3	27.3	25.0
28	---	---	---	---	---	---	---	---	29.3	30.1	27.9	24.6
29	---	---	---	---	---	---	---	---	29.2	30.5	27.0	23.4
30	---	---	---	---	---	---	---	---	27.5	30.1	27.2	22.1
31	---	---	---	---	---	---	---	---	---	29.8	28.0	---
MEAN	---	---	---	---	---	---	---	---	28.7	30.2	28.4	27.6
MAX	---	---	---	---	---	---	---	---	30.9	31.3	31.0	30.5
MIN	---	---	---	---	---	---	---	---	25.8	27.4	26.2	22.1

MISSISSIPPI RIVER DELTA

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.2	24.2	12.2	16.1	12.8	13.8	19.7	22.1	27.5	29.7	---	30.1
2	20.6	22.5	12.8	15.8	13.2	14.5	18.4	21.5	27.6	29.9	---	29.8
3	20.4	22.0	12.7	16.5	13.7	14.2	17.3	22.2	27.5	30.2	---	28.4
4	20.5	21.8	13.9	17.5	14.4	14.6	17.2	22.8	27.7	30.0	---	28.3
5	21.7	18.2	14.4	18.3	14.7	14.8	17.5	23.8	28.3	29.7	---	28.7
6	22.4	15.0	14.0	17.3	13.7	14.7	17.3	24.7	29.0	30.3	---	28.5
7	22.1	13.8	15.2	16.6	12.9	14.4	18.0	25.8	29.2	30.9	---	28.5
8	22.6	13.9	14.2	16.1	13.2	14.2	18.1	25.7	29.2	29.9	---	29.2
9	22.6	15.2	13.8	15.9	13.6	15.5	17.5	25.7	29.1	28.6	---	30.1
10	22.6	16.2	14.6	15.9	14.3	16.5	17.1	25.9	29.2	27.8	---	29.7
11	22.7	17.5	13.9	16.8	15.2	16.4	18.3	25.8	29.3	28.2	---	29.5
12	21.5	18.7	13.5	18.2	15.9	16.3	19.6	25.7	29.8	28.5	---	29.2
13	21.8	16.2	13.7	17.4	14.3	10.0	20.6	24.1	30.4	30.3	---	28.9
14	22.9	15.0	14.3	14.9	14.3	7.4	20.2	23.9	30.4	30.8	---	28.9
15	23.5	15.2	15.0	13.7	14.5	8.9	20.5	24.7	30.2	31.4	---	28.6
16	24.1	15.6	---	13.1	16.1	10.4	18.5	25.5	30.1	31.5	---	28.5
17	23.5	15.8	---	13.5	14.7	11.7	18.4	25.8	29.2	---	---	27.9
18	22.2	16.4	---	14.4	13.1	12.3	19.3	26.1	27.9	---	31.8	28.4
19	20.9	17.4	---	15.4	11.5	13.6	20.2	24.9	27.1	---	30.6	29.0
20	20.8	18.2	---	15.9	12.8	14.4	21.3	24.3	27.2	---	28.0	29.2
21	21.7	18.9	---	17.3	14.3	15.6	21.0	23.7	27.9	---	28.0	29.4
22	22.3	19.6	---	17.5	15.9	16.9	18.7	23.3	27.6	---	29.0	30.0
23	22.4	17.7	18.9	18.1	14.8	18.0	19.3	23.3	26.6	---	29.9	30.3
24	23.0	17.8	18.0	17.6	14.5	18.8	19.9	24.3	26.8	---	29.6	30.2
25	23.3	18.2	16.6	14.5	14.7	18.7	20.8	24.7	27.5	---	29.4	29.8
26	23.7	16.2	16.5	12.7	15.2	18.6	22.2	25.0	28.4	---	28.5	29.2
27	23.9	13.5	16.3	11.7	13.8	18.0	21.7	25.4	28.9	---	28.8	27.5
28	23.9	12.4	17.1	11.9	13.5	18.8	21.5	25.8	28.7	---	29.6	24.2
29	24.2	12.0	16.8	12.5	---	19.3	21.7	26.4	29.2	---	29.9	23.9
30	23.9	12.2	17.1	12.5	---	20.2	22.0	27.4	29.9	---	29.8	23.7
31	24.5	---	16.9	12.5	---	20.7	---	28.4	---	---	29.8	---
MEAN	22.5	16.9	---	15.4	14.1	15.2	19.5	24.8	28.6	---	---	28.6
MAX	24.5	24.2	---	18.3	16.1	20.7	22.2	28.4	30.4	---	---	30.3
MIN	20.4	12.0	---	11.7	11.5	7.4	17.1	21.5	26.6	---	---	23.7

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	---	---	---	---	---	17000	15900	13000	14500	22600	23500	25400
2	---	---	---	---	---	18500	20100	12500	17700	---	23100	24900
3	---	---	---	---	---	19600	21400	12500	16800	21400	22700	23800
4	---	---	---	---	---	18800	16200	12700	14100	20800	26500	22700
5	---	---	---	---	---	21000	16100	13700	15100	22100	26600	22600
6	---	---	---	---	---	22700	16200	14700	15000	25600	25500	22600
7	---	---	---	---	---	18300	16000	15200	14700	28600	27000	22500
8	---	---	---	---	---	15600	17100	15800	16300	28000	26800	22400
9	---	---	---	---	---	16800	16500	16100	16600	30800	26200	22400
10	---	---	---	---	---	15300	16900	16200	16400	31700	26500	22100
11	---	---	---	---	---	15400	14600	16500	20400	32300	27300	22200
12	---	---	---	---	---	15100	13200	16400	22500	32300	24900	21800
13	---	---	---	---	---	15700	13100	16200	24200	32900	23900	21400
14	---	---	---	---	---	15400	10500	17700	25900	32700	23900	---
15	---	---	---	---	---	14800	8590	17700	29300	---	25500	21600
16	---	---	---	---	---	16600	8320	18100	29600	---	26900	21700
17	---	---	---	---	---	16000	8650	18600	32000	---	28900	21100
18	---	---	---	---	15900	12800	9530	19400	30900	---	27600	20500
19	---	---	---	---	17000	13100	9990	19500	29200	---	25100	20700
20	---	---	---	---	19100	12200	8450	18900	29600	---	24800	21000
21	---	---	---	---	20900	13100	9200	18600	27300	---	26600	20900
22	---	---	---	---	21400	13500	8860	18200	28600	---	27400	21400
23	---	---	---	---	19200	14900	8130	18200	29100	27700	28500	21700
24	---	---	---	---	19200	18600	7930	17000	28300	29100	29200	22900
25	---	---	---	---	19400	18200	7280	16100	26500	29000	29700	25700
26	---	---	---	---	17800	18500	10100	15000	25200	27700	28300	25700
27	---	---	---	---	17600	16700	12000	13800	26100	26900	26700	25300
28	---	---	---	---	17200	17200	13400	12900	26000	25700	24900	25800
29	---	---	---	---	16700	16200	13500	12800	25800	25600	25900	23600
30	---	---	---	---	---	15300	13200	12200	24100	25000	26000	24400
31	---	---	---	---	---	16900	---	12900	---	24000	25700	---
MEAN	---	---	---	---	---	16400	12700	15800	23300	---	26200	22800
MAX	---	---	---	---	---	22700	21400	19500	32000	---	29700	25800
MIN	---	---	---	---	---	12200	7280	12200	14100	---	22700	20500

MISSISSIPPI RIVER DELTA

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27100	23300	13500	17500	10800	14700	8630	14000	11400	13000	25000	25600
2	28900	21900	15900	17400	10900	13800	14100	12800	11700	15700	25100	25700
3	31700	26200	17600	18100	11100	11200	15300	11900	11100	17000	25200	24400
4	28400	28500	17000	18300	11600	11800	19500	10400	9170	18100	24700	23000
5	26000	19200	18700	18200	11800	12200	17700	9820	8100	17500	23100	22800
6	25300	19100	21900	17900	11800	12100	18800	10000	8910	20200	25200	21900
7	27300	21300	21800	17900	12000	13600	20400	9670	9940	22500	25500	21400
8	25900	29200	19700	17800	12200	17600	24800	7970	12800	21300	26400	22200
9	23800	30400	20900	17800	12000	24300	21100	7360	16300	19800	24500	21700
10	24300	31300	18700	17900	11600	27800	12500	6900	18500	19600	24000	21000
11	23000	30800	17300	18200	11100	35500	13800	7090	18800	19300	23000	22000
12	22300	25400	18100	18000	11400	34700	12400	6740	18900	19700	22500	21500
13	21000	22100	19900	17100	11400	19200	12000	8320	18700	19500	21900	19800
14	21500	22500	22600	16600	11700	17000	13000	9550	19000	19300	20700	19100
15	21700	21000	23600	16600	12000	16400	12900	6700	19400	19600	19900	18300
16	23900	21500	---	16600	12100	16100	15300	7850	21200	20800	20300	18800
17	24300	22800	---	16600	11900	15800	14700	9660	21000	20700	20800	18700
18	24800	22300	---	16500	10500	16100	13300	10800	18600	22500	23000	18600
19	26300	23100	---	16200	10600	16500	13400	12500	16300	23200	24400	18700
20	28600	24900	---	15300	11000	16600	11500	15900	16300	22300	24000	17400
21	29600	23500	---	14800	9170	16800	13800	18500	16000	23100	25500	17100
22	29000	21600	---	14200	9270	17000	14800	20700	14000	22600	24200	15800
23	27500	20700	20600	12200	11900	17900	13800	19300	13100	22300	25200	14200
24	26800	20400	19000	11200	13500	17500	12600	17400	12500	24100	25300	13500
25	27800	18600	19500	11300	13800	16800	13400	14900	11100	24800	26300	12300
26	27600	16600	19200	11000	13600	17100	13100	13900	10300	26000	25700	12400
27	26500	15200	20100	10800	13000	18600	15700	15200	11100	26000	25500	13300
28	24700	15200	19700	10900	13800	14900	17100	15700	11200	26500	23700	16000
29	23900	14600	19200	10800	---	12100	17900	15800	11400	26300	24000	15900
30	23800	14100	18500	10800	---	11400	17100	11800	10800	26600	24500	16700
31	25000	---	17800	10900	---	8900	---	11100	---	26300	25100	---
MEAN	25800	22200	---	15300	11700	17200	15100	11900	14300	21500	24000	19000
MAX	31700	31300	---	18300	13800	35500	24800	20700	21200	26600	26400	25700
MIN	21000	14100	---	10800	9170	8900	8630	6700	8100	13000	19900	12300

MISSISSIPPI RIVER DELTA

07374529 CALIFORNIA BAY NEAR SUNRISE POINT NEAR NAIRN, LA

LOCATION.--Lat 29° 29' 39", long 89° 34' 09", Plaquemines Parish, Hydrologic Unit 08090203, on a 3 pile platform 8.0 mi east northeast of Nairn.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 10.64 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.20 ft, Mar. 11, 1993; minimum, 5.79 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT PERIOD.--May to September 1992: Maximum gage height recorded during period, 14.12 ft, Aug. 25; minimum gage height recorded during period, 7.09 ft, July 1.

Water year 1993: Maximum gage height, 14.20 ft, Mar. 11; minimum gage height, 5.79 ft, Mar. 13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	9.09	8.50	9.06	9.43
2	---	---	---	---	---	---	---	---	9.34	---	9.18	9.40
3	---	---	---	---	---	---	---	---	8.70	8.45	9.08	9.45
4	---	---	---	---	---	---	---	---	8.50	8.35	9.42	9.76
5	---	---	---	---	---	---	---	---	8.80	8.23	9.27	9.91
6	---	---	---	---	---	---	---	---	8.88	8.12	9.27	9.92
7	---	---	---	---	---	---	---	---	8.95	8.19	9.38	9.82
8	---	---	---	---	---	---	---	---	8.78	8.08	9.60	9.80
9	---	---	---	---	---	---	---	---	8.55	8.09	9.46	9.73
10	---	---	---	---	---	---	---	---	8.41	8.17	9.67	9.76
11	---	---	---	---	---	---	---	---	8.76	8.28	9.95	9.76
12	---	---	---	---	---	---	---	---	8.57	8.43	9.91	10.06
13	---	---	---	---	---	---	---	8.36	8.54	8.61	9.50	9.98
14	---	---	---	---	---	---	---	8.70	8.50	8.48	9.45	10.57
15	---	---	---	---	---	---	---	8.81	8.68	8.50	9.33	11.12
16	---	---	---	---	---	---	---	8.97	8.89	9.02	9.59	10.98
17	---	---	---	---	---	---	---	9.22	8.90	9.12	9.65	10.04
18	---	---	---	---	---	---	---	9.10	8.67	9.21	9.12	9.85
19	---	---	---	---	---	---	---	9.16	8.48	9.24	8.91	9.70
20	---	---	---	---	---	---	---	9.15	8.70	9.32	9.07	9.74
21	---	---	---	---	---	---	---	9.14	8.73	9.28	9.09	9.63
22	---	---	---	---	---	---	---	9.24	9.17	9.47	9.23	9.58
23	---	---	---	---	---	---	---	8.89	9.00	9.70	9.51	9.71
24	---	---	---	---	---	---	---	8.46	8.95	9.81	9.83	9.95
25	---	---	---	---	---	---	---	8.96	8.95	9.69	12.69	11.06
26	---	---	---	---	---	---	---	8.72	8.99	9.48	10.73	11.14
27	---	---	---	---	---	---	---	8.96	9.03	9.06	8.94	10.74
28	---	---	---	---	---	---	---	8.89	9.11	8.80	9.87	10.45
29	---	---	---	---	---	---	---	8.65	8.98	8.90	9.87	10.38
30	---	---	---	---	---	---	---	8.86	8.60	8.99	9.51	10.53
31	---	---	---	---	---	---	---	9.19	---	8.99	9.56	---
MAX	---	---	---	---	---	---	---	9.24	9.34	9.81	12.69	11.14
MIN	---	---	---	---	---	---	---	8.36	8.41	8.08	8.91	9.40

MISSISSIPPI RIVER DELTA

07374529 CALIFORNIA BAY NEAR SUNRISE POINT NEAR NAIRN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.58	9.52	9.11	9.24	8.50	8.94	8.05	9.82	9.39	8.49	8.67	9.53
2	12.30	9.36	9.03	9.29	9.55	9.06	8.53	9.79	8.82	8.69	8.87	9.45
3	12.12	9.77	9.39	9.79	9.82	9.15	8.96	9.31	8.52	8.77	8.70	8.97
4	10.41	9.83	9.04	9.80	9.77	8.38	9.78	9.27	8.47	8.65	8.59	9.01
5	9.57	9.35	9.50	9.47	9.73	8.07	8.97	9.24	8.52	8.69	8.45	9.27
6	9.78	9.35	9.49	9.41	9.59	8.51	8.99	9.03	8.55	8.82	8.38	9.25
7	9.90	9.53	9.04	9.62	8.97	8.18	9.39	8.99	8.51	8.61	8.30	9.43
8	9.84	9.78	9.28	9.34	8.91	8.10	10.28	9.23	8.57	8.77	8.48	9.38
9	9.86	9.82	9.45	9.65	9.06	8.17	8.90	9.53	8.65	8.88	8.62	9.33
10	9.76	10.06	8.64	9.82	9.74	8.32	8.72	9.30	8.74	8.75	8.81	8.97
11	9.66	10.61	8.42	9.72	9.75	10.46	8.48	9.08	8.76	8.82	8.91	9.18
12	9.58	9.43	8.63	9.38	8.62	11.48	8.82	9.30	8.73	8.86	9.01	9.33
13	9.28	9.67	8.88	9.36	8.75	6.75	8.90	8.56	8.61	8.82	8.73	9.36
14	9.46	9.37	9.43	9.63	8.98	7.40	9.28	9.12	8.94	8.73	8.41	9.64
15	9.66	8.85	9.73	9.89	9.38	8.45	9.15	8.92	9.21	---	8.01	9.53
16	9.62	9.35	9.79	9.40	9.59	9.78	8.71	8.86	9.31	---	8.46	9.74
17	10.04	9.87	9.51	8.87	9.84	9.26	8.81	8.73	9.94	---	8.89	9.97
18	9.84	9.83	9.79	8.98	9.17	9.10	8.55	8.65	10.36	---	8.85	9.95
19	10.17	10.06	9.49	9.23	8.96	8.98	8.68	8.74	10.26	8.90	8.85	9.88
20	10.11	10.42	9.08	9.77	8.59	9.39	8.90	9.59	9.88	8.46	8.47	9.73
21	10.21	10.14	8.91	9.46	8.84	9.12	9.03	9.44	9.43	8.60	8.55	9.71
22	10.34	9.50	8.86	9.41	9.20	8.93	8.81	9.44	9.44	8.53	8.33	9.66
23	9.93	10.00	8.85	9.14	9.56	8.77	8.42	9.09	9.17	8.37	8.23	9.51
24	9.79	10.20	9.35	9.79	9.53	8.82	8.70	9.40	9.36	8.45	8.46	9.35
25	9.64	9.51	9.28	10.45	9.49	8.96	9.21	9.34	9.24	8.43	9.19	9.25
26	9.58	9.41	9.74	9.49	9.85	8.88	9.15	9.49	9.12	8.55	9.28	9.29
27	9.47	8.90	9.63	8.87	9.24	8.66	9.72	9.66	9.11	8.58	8.95	9.57
28	9.31	8.97	9.70	8.41	8.90	8.58	9.67	9.69	9.00	8.55	9.00	9.79
29	9.29	8.92	9.34	9.17	---	8.84	9.50	9.35	8.62	8.65	8.78	9.93
30	9.30	8.77	9.05	9.24	---	8.90	9.42	9.16	8.48	8.76	9.03	10.01
31	9.43	---	9.09	8.97	---	8.53	---	9.06	---	8.70	9.27	---
MAX	12.30	10.61	9.79	10.45	9.85	11.48	10.28	9.82	10.36	8.90	9.28	10.01
MIN	9.28	8.77	8.42	8.41	8.50	6.75	8.05	8.56	8.47	8.37	8.01	8.97

MISSISSIPPI RIVER DELTA

07374529 CALIFORNIA BAY NEAR SUNRISE POINT NEAR NAIRN, 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: June 1992 to current year.

REMARKS.--Water temperature missing in 1993 water year because probe destroyed by marinelife.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 36,700 microsiemens, June 15, 1992; minimum daily, 4,400 microsiemens, Feb. 15, 1993.

WATER TEMPERATURE: Maximum daily, 32.3° C, July 21, 1992; minimum daily, 6.9°C Mar. 14, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	27.5	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	25.3	28.6	---	---
4	---	---	---	---	---	---	---	---	26.2	29.5	---	---
5	---	---	---	---	---	---	---	---	27.0	30.6	---	---
6	---	---	---	---	---	---	---	---	27.4	30.1	---	---
7	---	---	---	---	---	---	---	---	27.3	30.6	---	---
8	---	---	---	---	---	---	---	---	27.0	31.3	---	---
9	---	---	---	---	---	---	---	---	27.6	30.9	---	---
10	---	---	---	---	---	---	---	---	28.4	30.8	---	---
11	---	---	---	---	---	---	---	---	28.0	31.1	---	---
12	---	---	---	---	---	---	---	---	28.0	31.8	---	---
13	---	---	---	---	---	---	---	---	27.5	30.0	---	---
14	---	---	---	---	---	---	---	---	27.3	28.3	28.2	---
15	---	---	---	---	---	---	---	---	27.9	27.0	28.1	---
16	---	---	---	---	---	---	---	---	29.1	26.9	27.6	---
17	---	---	---	---	---	---	---	---	29.8	28.0	26.9	---
18	---	---	---	---	---	---	---	---	30.2	29.4	27.1	---
19	---	---	---	---	---	---	---	---	30.3	30.2	26.6	---
20	---	---	---	---	---	---	---	---	30.0	30.8	26.8	---
21	---	---	---	---	---	---	---	---	30.7	32.3	---	---
22	---	---	---	---	---	---	---	---	30.5	---	---	---
23	---	---	---	---	---	---	---	---	30.2	---	---	---
24	---	---	---	---	---	---	---	---	31.0	---	---	---
25	---	---	---	---	---	---	---	---	31.9	---	---	---
26	---	---	---	---	---	---	---	---	31.7	---	---	---
27	---	---	---	---	---	---	---	---	31.1	---	---	---
28	---	---	---	---	---	---	---	---	31.2	---	---	---
29	---	---	---	---	---	---	---	---	30.6	---	---	---
30	---	---	---	---	---	---	---	---	28.0	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	29.0	---	---	---
MAX	---	---	---	---	---	---	---	---	31.9	---	---	---
MIN	---	---	---	---	---	---	---	---	25.3	---	---	---

07374529 CALIFORNIA BAY NEAR SUNRISE POINT NEAR NAIRN, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	--	11.7	12.4	17.5	21.4	27.4	29.5	--	--
2	--	--	--	--	12.7	13.4	16.3	20.9	27.4	30.5	--	--
3	--	--	--	--	11.8	14.0	16.0	21.5	27.5	30.9	--	--
4	--	--	--	--	12.9	14.5	15.9	23.0	27.8	30.1	--	--
5	--	--	--	--	14.0	14.2	16.9	23.1	27.5	29.8	--	--
6	--	--	--	--	13.4	13.8	17.4	24.2	28.1	30.0	--	--
7	--	--	--	--	12.0	14.1	16.0	25.2	28.2	30.3	--	--
8	--	--	--	--	13.2	14.3	16.4	25.1	28.3	29.4	--	--
9	--	--	--	--	12.7	14.8	17.0	25.4	28.3	28.5	--	--
10	--	--	--	--	13.0	15.4	16.3	25.3	28.4	27.9	--	--
11	--	--	--	--	13.7	15.0	17.3	25.3	28.9	28.2	--	--
12	--	--	--	--	14.0	13.5	17.7	25.7	29.9	28.4	--	--
13	--	--	--	--	12.5	7.5	18.3	24.0	30.5	28.1	--	--
14	--	--	--	--	12.1	6.9	18.7	24.1	30.4	28.7	--	--
15	--	--	--	--	12.5	8.1	19.6	24.9	30.5	--	--	--
16	--	--	--	--	14.6	9.5	18.4	24.6	29.9	--	--	--
17	--	--	--	--	14.1	11.6	18.5	25.0	29.1	--	--	--
18	--	--	--	--	12.9	12.3	19.8	24.7	27.9	--	--	--
19	--	--	--	--	10.9	12.5	20.3	24.7	27.1	--	--	--
20	--	--	--	--	12.2	13.2	20.4	24.9	27.4	--	--	--
21	--	--	--	--	14.1	15.3	20.4	24.3	27.7	--	--	--
22	--	--	--	17.1	15.2	16.5	18.7	23.9	27.6	--	--	--
23	--	--	--	15.8	14.4	17.6	19.5	23.5	26.6	--	--	--
24	--	--	--	16.3	13.7	18.5	19.9	24.4	26.6	--	--	--
25	--	--	--	14.4	14.5	18.3	20.7	24.9	27.5	--	--	--
26	--	--	--	12.1	15.3	18.2	21.8	24.9	28.2	--	--	--
27	--	--	--	10.4	14.0	18.1	22.0	25.3	28.3	--	--	--
28	--	--	--	10.0	13.5	18.4	21.7	25.4	28.6	--	--	--
29	--	--	--	11.6	--	17.8	21.1	25.9	29.2	--	--	--
30	--	--	--	12.2	--	18.1	21.3	27.3	29.5	--	--	--
31	--	--	--	12.2	--	19.9	--	28.5	--	--	--	--
MEAN	--	--	--	--	13.3	14.4	18.7	24.6	28.3	--	--	--
MAX	--	--	--	--	15.3	19.9	22.0	28.5	30.5	--	--	--
MIN	--	--	--	--	10.9	6.9	15.9	20.9	26.6	--	--	--

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	--	--	--	--	--	--	--	--	14800	20400	20600	23500
2	--	--	--	--	--	--	--	--	14400	--	20900	22100
3	--	--	--	--	--	--	--	--	12700	18200	25600	20000
4	--	--	--	--	--	--	--	--	12900	19200	26400	19100
5	--	--	--	--	--	--	--	--	13600	22200	26400	20000
6	--	--	--	--	--	--	--	--	15300	29400	25900	20200
7	--	--	--	--	--	--	--	--	17500	31000	27000	19300
8	--	--	--	--	--	--	--	--	20700	30600	24300	19000
9	--	--	--	--	--	--	--	--	21400	30400	23700	18600
10	--	--	--	--	--	--	--	--	25300	30800	24100	18700
11	--	--	--	--	--	--	--	--	28700	30700	23200	19400
12	--	--	--	--	--	--	--	--	30500	30600	20900	20900
13	--	--	--	--	--	--	--	20700	32500	29400	22000	20700
14	--	--	--	--	--	--	--	19700	32900	27300	21000	21300
15	--	--	--	--	--	--	--	21400	36700	27500	21300	22300
16	--	--	--	--	--	--	--	20700	36400	27200	22200	21900
17	--	--	--	--	--	--	--	20700	34100	27300	22400	22000
18	--	--	--	--	--	--	--	18800	31000	26900	26500	22400
19	--	--	--	--	--	--	--	17900	32200	27000	27700	22300
20	--	--	--	--	--	--	--	15700	33100	27100	27500	22200
21	--	--	--	--	--	--	--	15500	31500	24900	27400	22100
22	--	--	--	--	--	--	--	15500	28600	24300	27800	22000
23	--	--	--	--	--	--	--	16900	25300	25000	27600	20700
24	--	--	--	--	--	--	--	20300	27600	24700	28100	19400
25	--	--	--	--	--	--	--	18700	28500	23600	28200	20000
26	--	--	--	--	--	--	--	19100	27900	23100	26600	19300
27	--	--	--	--	--	--	--	18700	27300	22900	24700	17400
28	--	--	--	--	--	--	--	16300	26600	21400	22700	17600
29	--	--	--	--	--	--	--	15600	25500	21900	22700	18300
30	--	--	--	--	--	--	--	15300	22000	21600	23700	18000
31	--	--	--	--	--	--	--	15300	--	21300	23700	--
MEAN	--	--	--	--	--	--	--	--	25600	25600	24600	20400
MAX	--	--	--	--	--	--	--	--	36700	31000	28200	23500
MIN	--	--	--	--	--	--	--	--	12700	18200	20600	17400

MISSISSIPPI RIVER DELTA

07374529 CALIFORNIA BAY NEAR SUNRISE POINT NEAR NAIRN, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20400	27900	14000	15700	11300	7180	11900	10200	9450	19200	21700	22100
2	25800	27800	15100	15600	10400	9010	14200	9840	10900	22200	22200	21600
3	24600	27300	15900	15700	7540	11800	12000	9970	9340	21900	23200	20700
4	22100	25900	16100	17300	7630	12100	10400	9010	7460	20900	22700	20100
5	22500	21500	16100	14900	9110	11600	12100	7890	8940	20700	22900	19900
6	22300	15100	17500	15400	9150	14800	11000	7460	9400	21000	24200	19300
7	21200	13300	17800	15400	9410	22000	6880	6790	12000	21400	24600	19400
8	21100	15000	16100	14000	9900	26200	7910	6500	15000	22200	23800	18800
9	20600	17100	17300	16400	8520	31500	12100	6190	16700	21600	24100	---
10	21600	18800	17300	16300	6310	35800	11300	5580	17100	20800	24200	19400
11	20500	20200	14500	16200	7010	33900	13300	6240	17400	20000	23200	19000
12	18900	19800	13600	18100	7690	30300	12600	7150	17800	20400	22000	18300
13	20600	16200	12500	16000	5780	18000	13100	7910	19100	20100	20700	16600
14	21600	14600	15200	15100	5840	14500	11800	7650	18500	19600	20900	15800
15	22800	15600	16900	14500	4400	12200	11900	8700	18000	---	24000	16300
16	23100	16500	16800	14200	4870	11900	10500	13900	15300	---	25500	17100
17	22100	16200	14900	10900	5890	13500	10900	16700	16000	---	26100	17200
18	21100	15400	14700	7090	7610	14400	10800	18900	14900	---	26400	16600
19	20500	15300	17100	7750	6760	13000	8390	25200	12100	27300	26200	15400
20	21000	15500	16200	10300	7260	13500	12800	22000	11500	25200	26200	15300
21	21300	16200	13900	9550	9530	13400	12500	21100	11100	24400	26300	15300
22	22900	16500	12900	9130	11100	15100	10400	21700	12400	22700	25800	13900
23	24400	16300	13100	6700	9750	17900	10100	18800	12100	23200	25200	13800
24	26500	16400	17100	8460	7320	15600	9740	16700	10800	25800	25900	13600
25	27300	15900	15000	11300	11000	15100	13300	15600	11700	24200	23300	14500
26	27400	14700	17600	9570	10800	13900	14200	14100	12100	23700	21100	15800
27	27800	13700	17200	10200	9760	14000	13200	12200	11700	24200	19500	16900
28	28100	13200	16100	7850	10200	11700	13100	9620	12100	24500	20900	16600
29	27900	12900	14900	8040	---	7330	10600	9370	12700	25000	21800	17800
30	27800	13300	11800	10000	---	6600	10200	9930	14900	25000	21900	18200
31	28200	---	13000	10400	---	6370	---	9780	---	23200	22300	---
MEAN	23400	17500	15400	12500	8280	15900	11400	12000	13300	22600	23500	17400
MAX	28200	27900	17800	18100	11300	35800	14200	25200	19100	27300	26400	22100
MIN	18900	12900	11800	6700	4400	6370	6880	5580	7460	19200	19500	13600

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.

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

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN	OXYGEN	
			WATER WHOLE FIELD (STAND- ARD UNITS)						DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
NOV 1992											
20...	0930	795	7.90	15.0	15	19	<1	9.2	15	1.1	
FEB 1993											
03...	1415	355	7.69	7.5	20	65	<1	11.8	19	2.5	
MAR											
05...	1215	421	7.72	7.5	0	60	<1	13.4	17	4.1	
APR											
22...	1300	337	7.84	14.0	10	55	<1	7.6	20	0.9	
MAY											
26...	0945	396	8.01	22.5	10	50	<1	6.4	22	0.6	
JUN											
24...	1000	452	7.32	25.5	5	50	<1	6.6	26	0.2	
JUL											
30...	1030	365	7.58	--	5	100	<1	5.3	23	0.9	
SEP											
22...	0910	445	7.96	27.0	5	55	<1	7.4	14	0.5	
DATE		COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 1992											
20...	820	K32	200	46	21	138	66	130	36	0.01	
FEB 1993											
03...	1200	160	130	36	10	108	35	25	14	--	
MAR											
05...	K750	K76	150	42	12	126	42	32	174	0.02	
APR											
22...	600	K40	130	36	9.8	105	37	21	136	0.03	
MAY											
26...	K600	K12	140	38	11	124	39	26	76	0.02	
JUN											
24...	1400	120	150	42	12	137	52	24	--	<0.01	
JUL											
30...	--	--	150	41	12	123	29	19	246	0.02	
SEP											
22...	--	500	180	46	15	149	41	22	148	0.01	

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

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

LOWER MISSISSIPPI RIVER BASIN

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

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

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
NOV 1992										
20...	1.4	0.55	0.22	3	2	2	2	<1	<1	4
FEB 1993										
03...	--	0.40	0.29	3	<1	2	2	<1	<1	7
MAR										
05...	1.8	0.39	0.10	4	<1	<1	<1	<1	<1	6
APR										
22...	1.6	0.59	0.22	3	<1	<1	<1	<1	<1	4
MAY										
26...	1.7	0.31	0.19	2	1	<1	<1	<1	<1	5
JUN										
24...	2.0	0.38	0.22	2	1	<1	<1	<1	<1	6
JUL										
30...	2.2	0.54	0.29	4	1	<1	<1	<1	<1	9
SEP										
22...	1.8	0.59	0.28	5	3	<1	<1	<1	<1	6
DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
NOV 1992										
20...	<1	19	7	<5	10	<1	<0.1	<0.1	4	3
FEB 1993										
03...	<1	28	6	80	16	<1	<0.1	<0.1	7	2
MAR										
05...	<1	67	5	32	10	<1	<0.1	<0.1	7	2
APR										
22...	<1	6	4	24	5	1	<0.1	<0.1	4	1
MAY										
26...	<1	5	2	23	4	<1	<0.1	<0.1	6	3
JUN										
24...	<1	9	2	3	5	<1	--	--	7	2
JUL										
30...	<1	8	4	13	9	<1	--	<0.1	9	2
SEP										
22...	<1	21	5	<3	6	<1	<0.1	0.1	6	2
DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	
NOV 1992										
20...	<1	<1	2	20	<5	4.0	<0.01	<1	<1	
FEB 1993										
03...	<1	<1	1	30	6	7.0	<0.01	<1	<1	
MAR										
05...	<1	<1	1	30	<4	6.6	<0.01	1	<1	
APR										
22...	<1	<1	<1	20	<4	6.1	<0.01	1	1	
MAY										
26...	<1	<1	1	20	<4	6.4	<0.01	<1	<1	
JUN										
24...	1	<1	2	20	<4	8.8	<0.01	--	<1	
JUL										
30...	<1	<1	3	30	4	8.3	<0.01	<1	<1	
SEP										
22...	<1	<1	3	20	5	5.9	<0.01	1	1	

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

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA

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

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

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

REVISED RECORDS.--WSP 1057: 1944(M), 1945. WDR LA-83-2: 1948(M), 1953(M), 1961(M), 1962(M), 1973(M), 1977(M).

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 21	Unknown	*15300	*a 21.91	Apr. 5	1200	1500	b14.15
Apr. 9	2330	1390	b13.88	June 27	0300	2710	16.41

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	68	103	99	124	118	140	98	75	226	e73	60
2	61	82	96	94	115	154	121	135	73	134	e72	63
3	60	94	90	93	109	594	141	182	72	109	e71	100
4	60	143	86	170	105	676	617	134	71	96	e90	67
5	59	308	87	200	102	318	1380	107	70	89	e150	60
6	58	201	88	136	104	204	888	97	69	85	e130	58
7	58	118	89	253	108	164	368	94	68	81	e90	64
8	57	91	98	392	105	141	283	89	67	79	e80	66
9	57	80	110	245	98	130	985	87	66	80	e74	59
10	57	75	308	310	112	119	1150	85	65	94	e70	57
11	57	76	348	581	236	114	569	144	64	84	65	55
12	58	182	171	594	392	110	286	290	64	83	62	53
13	57	410	132	309	238	186	212	207	64	149	60	52
14	56	276	115	207	163	245	185	131	65	176	59	52
15	55	144	162	189	138	165	384	109	93	167	59	62
16	55	112	611	170	164	156	637	96	84	115	64	84
17	57	96	968	142	246	518	460	89	72	117	69	75
18	58	87	811	128	173	509	222	85	71	92	60	62
19	56	82	391	2560	237	236	161	83	68	82	58	59
20	55	102	349	e5200	118	227	145	83	68	79	57	57
21	54	337	364	e15000	112	620	141	81	118	78	58	56
22	54	354	278	e9900	108	569	134	77	142	90	59	55
23	54	390	207	e6000	102	308	119	76	108	151	61	54
24	54	393	168	e4000	94	274	111	75	98	158	85	53
25	54	583	142	e2000	106	227	107	85	191	94	62	52
26	54	407	129	e800	260	335	105	128	952	82	57	52
27	54	201	129	e200	161	458	106	95	2230	79	55	54
28	55	150	129	149	141	298	105	88	902	e77	55	53
29	56	127	121	147	---	201	98	83	308	e75	55	51
30	58	113	112	141	---	167	94	79	420	e74	56	50
31	64	---	105	133	---	155	---	77	---	e74	56	---
TOTAL	1765	5882	7097	50542	4271	8696	10454	3369	6878	3249	2172	1795
MEAN	56.9	196	229	1630	153	281	348	109	229	105	70.1	59.8
MAX	64	583	968	15000	392	676	1380	290	2230	226	150	100
MIN	54	68	86	93	94	110	94	75	64	74	55	50
CFSM	.60	2.05	2.40	17.1	1.60	2.94	3.65	1.14	2.40	1.10	.73	.63
IN.	.69	2.29	2.76	19.69	1.66	3.39	4.07	1.31	2.68	1.27	.85	.70

a From flood mark.

b From graph based on gage readings.

c Estimated.

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NR FOLSOM--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1993, BY WATER YEAR (WY)

MEAN	64.2	124	191	238	305	255	249	160	94.9	92.5	98.4	92.5
MAX	216	800	866	1630	1257	621	1227	853	373	302	426	419
(WY)	1978	1962	1954	1993	1961	1973	1983	1953	1959	1949	1983	1977
MIN	32.0	39.5	51.3	57.7	57.7	53.6	50.6	44.8	35.5	36.8	34.3	31.1
(WY)	1969	1982	1970	1957	1968	1955	1963	1963	1968	1968	1968	1968

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1944 - 1993		
ANNUAL TOTAL	75627		106170		163		
ANNUAL MEAN	207		291		313		
HIGHEST ANNUAL MEAN					62.5		
LOWEST ANNUAL MEAN					15100		
HIGHEST DAILY MEAN	5100	Aug 27	15000	Jan 21	15100	Feb 22, 1961	
LOWEST DAILY MEAN	50	Jul 13	50	Sep 30	.00	Jun 5, 1981	
ANNUAL SEVEN-DAY MINIMUM	53	Jun 23	52	Sep 24	28	Sep 9, 1968	
INSTANTANEOUS PEAK FLOW			*15200	Jan 21	29800	Apr 5, 1983	
INSTANTANEOUS PEAK STAGE			*21.91	Jan 21	24.14	Apr 5, 1983	
INSTANTANEOUS LOW FLOW			50	Sep 30	26	Sep 4, 1968	
INSTANTANEOUS LOW STAGE			5.30	Sep 30	4.75	Oct 4, 5, 6, 1986	
ANNUAL RUNOFF (CFSM)	2.16		3.05		1.71		
ANNUAL RUNOFF (INCHES)	29.46		41.36		23.18		
10 PERCENT EXCEEDS	376		392		300		
50 PERCENT EXCEEDS	89		105		71		
90 PERCENT EXCEEDS	56		57		44		

* From flood mark.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.53	5.62	6.17	6.10	6.65	6.58	6.69	6.10	5.73	7.60	---	5.48
2	5.50	5.85	6.06	6.03	6.54	7.00	6.43	6.63	5.70	6.60	---	5.53
3	5.49	6.02	5.96	6.01	6.45	10.37	6.70	7.18	5.69	6.25	---	6.11
4	5.48	6.67	5.90	7.00	6.39	10.92	10.60	6.62	5.67	6.06	---	5.59
5	5.47	8.41	5.92	7.36	6.35	8.50	13.85	6.22	5.65	5.96	---	5.48
6	5.45	7.37	5.94	6.64	6.38	7.41	12.08	6.08	5.64	5.89	---	5.45
7	5.44	6.38	5.95	7.85	6.44	6.99	8.88	6.02	5.61	5.83	---	5.55
8	5.43	5.98	6.09	9.06	6.39	6.70	8.20	5.96	5.60	5.80	---	5.58
9	5.43	5.81	6.26	7.83	6.30	6.55	12.51	5.92	5.58	5.81	---	5.47
10	5.42	5.73	8.35	8.38	6.49	6.40	13.13	5.89	5.56	6.03	---	5.42
11	5.43	5.74	8.70	10.36	7.86	6.32	10.30	6.67	5.55	5.87	5.56	5.38
12	5.45	7.05	7.05	10.43	9.12	6.26	8.22	8.25	5.55	5.86	5.51	5.36
13	5.43	9.20	6.59	8.40	7.88	7.22	7.50	7.42	5.55	6.75	5.48	5.34
14	5.41	8.08	6.34	7.45	7.13	7.84	7.21	6.56	5.56	7.11	5.46	5.33
15	5.40	6.74	6.88	7.25	6.85	7.00	9.00	6.25	5.99	6.98	5.47	5.51
16	5.40	6.29	10.48	7.05	7.14	6.90	10.72	6.07	5.87	6.33	5.55	5.88
17	5.42	6.06	12.44	6.72	7.96	9.97	9.57	5.96	5.68	6.37	5.63	5.74
18	5.45	5.93	11.65	6.52	7.24	9.91	7.60	5.89	5.67	6.00	5.49	5.51
19	5.42	5.84	9.04	12.61	7.88	7.75	6.95	5.85	5.61	5.84	5.45	5.47
20	5.39	6.12	8.73	---	6.58	7.65	6.76	5.85	5.62	5.79	5.43	5.43
21	5.38	8.60	8.85	---	6.50	10.62	6.70	5.82	6.36	5.78	5.44	5.41
22	5.37	8.77	8.14	---	6.44	10.30	6.61	5.77	6.70	5.97	5.47	5.38
23	5.37	9.05	7.44	---	6.35	8.41	6.40	5.74	6.24	6.80	5.50	5.37
24	5.38	9.06	7.03	---	6.23	8.12	6.28	5.73	6.10	6.88	5.88	5.35
25	5.36	10.39	6.72	---	6.40	7.65	6.22	5.89	7.17	6.03	5.51	5.33
26	5.37	9.14	6.54	---	8.04	8.63	6.20	6.52	11.50	5.84	5.42	5.33
27	5.38	7.38	6.54	---	7.11	9.55	6.21	6.05	15.60	5.79	5.40	5.38
28	5.38	6.82	6.54	7.08	6.89	8.33	6.20	5.93	11.96	---	5.39	5.35
29	5.41	6.52	6.42	6.95	---	7.38	6.10	5.86	8.38	---	5.39	5.32
30	5.44	6.51	6.30	6.88	---	7.02	6.03	5.80	9.27	---	5.41	5.31
31	5.54	---	6.19	6.78	---	6.88	---	5.76	---	---	5.42	---
MAX	5.54	10.39	12.44	---	9.12	10.92	13.85	8.25	15.60	---	---	6.11
MIN	5.36	5.62	5.90	---	6.23	6.26	6.03	5.73	5.55	---	---	5.31

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.--145 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1982.

WATER TEMPERATURES: April 1978 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO ₃)
OCT 1992												
06...	1430	58	36	6.80	21.5	10	5.3	--	--	64	150	8
FEB 1993												
11...	1400	--	35	6.23	15.5	70	29	9.0	3.0	2200	--	7
APR												
06...	1230	--	30	6.06	15.5	40	32	9.9	4.3	1100	3800	6
JUL												
13...	1245	147	35	6.74	27.0	80	21	7.5	1.3	K90	1100	8

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO ₃	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992												
06...	1.7	0.83	4.1	1.0	18	0.80	4.3	<0.1	13	36	34	<0.01
FEB 1993												
11...	1.6	0.79	2.6	1.3	8	2.1	3.2	<0.1	5.7	38	23	--
APR												
06...	1.2	0.66	1.6	2.4	6	2.0	3.0	<0.1	3.9	34	19	--
JUL												
13...	1.8	0.74	3.2	1.4	10	1.5	3.5	<0.1	9.1	40	29	--

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)
OCT 1992												
06...	<0.01	0.18	0.18	0.02	0.01	<0.2	0.04	0.04	0.03	60	24	<3
FEB 1993												
11...	0.03	--	0.27	--	0.09	0.6	0.13	0.06	0.05	380	21	<3
APR												
06...	0.01	--	0.25	--	0.09	0.7	0.15	0.09	0.06	340	21	<3
JUL												
13...	<0.01	--	0.26	--	0.03	0.4	0.09	0.06	0.04	170	25	<3

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992												
06...	370	<4	42	<10	<1	<1	<1	19	<6	11	1.7	83
FEB 1993												
11...	260	<4	64	<10	1	<1	<1	12	<6	59	--	96
APR												
06...	390	<4	65	<10	3	<1	<1	10	<6	47	--	94
JUL												
13...	410	<4	32	<10	1	<1	<1	16	<6	57	23	100

< 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

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

LOCATION.--Lat 30°30'23", long 90°21'42", on line between secs. 39 and 40, T. 6 S., R. 8 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chappedeela Creek, and 6.0 mi east of Hammond.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--646 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 6.87 ft above sea level. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 22	0600	*37,800	*22.43	Apr. 10	0258	10,100	17.13

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	604	566	881	860	1280	1030	1190	990	748	876	694	558
2	586	663	833	829	1220	1370	1100	1890	730	789	633	549
3	573	720	802	807	1160	4550	1040	2320	718	741	616	558
4	568	1240	776	854	1120	6500	4570	2580	706	712	630	551
5	566	2460	760	918	1090	5520	7690	1850	696	747	842	595
6	560	2860	751	1010	1080	2740	6350	1320	687	726	815	567
7	550	1710	763	1030	1060	1660	3260	1120	678	682	786	540
8	546	1120	754	1710	1040	1380	3140	1020	670	682	707	540
9	542	909	835	2380	1010	1230	8320	955	661	900	644	557
10	535	800	1500	1940	1010	1130	9830	935	652	850	615	546
11	563	791	1710	2270	1760	1070	7710	1640	645	728	594	525
12	554	1290	1250	2970	2080	1040	4310	2320	638	696	579	512
13	539	2830	1040	4810	1630	1430	2210	1570	636	744	568	503
14	527	2550	922	5000	1340	1670	1720	1190	674	855	562	499
15	522	1410	1000	3130	1180	1390	3830	1050	923	994	567	597
16	522	1060	2970	1740	1240	1390	6180	965	810	1150	681	629
17	527	917	5210	1400	1480	3280	4850	906	709	1250	596	571
18	524	835	4540	1220	1320	3700	2320	871	680	996	566	538
19	517	782	2660	1110	1140	2230	1680	845	645	785	553	524
20	505	824	1850	4900	1070	2030	1440	825	693	733	547	517
21	499	1140	1880	31400	1030	4670	1340	808	960	752	547	511
22	494	2060	1890	36400	1010	3710	1310	784	910	871	547	509
23	490	3050	1480	20200	976	2260	1200	769	774	1080	560	508
24	487	2790	1260	8340	941	2160	1120	764	764	1080	571	498
25	484	3280	1120	3840	931	2180	1080	823	1020	931	542	493
26	482	2520	1040	2410	1270	2950	1170	830	1180	801	536	489
27	483	1510	1000	1940	1300	4330	1410	967	1720	742	531	498
28	504	1180	991	1690	1110	2890	1090	893	1920	704	547	496
29	497	1040	973	1530	---	1770	1000	863	1290	685	536	492
30	507	950	933	1450	---	1440	969	806	1030	745	535	482
31	538	---	891	1360	---	1280	---	770	---	822	567	---
TOTAL	16395	45857	45265	151448	33878	75980	94429	36239	25567	25849	18814	15952
MEAN	529	1529	1460	4885	1210	2451	3148	1169	852	834	607	532
MAX	604	3280	5210	36400	2080	6500	9830	2580	1920	1250	842	629
MIN	482	566	751	807	931	1030	969	764	636	682	531	482
CFSM	.82	2.37	2.26	7.56	1.87	3.79	4.87	1.81	1.32	1.29	.94	.82

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1993, BY WATER YEAR (WY)

MEAN	560	766	1327	1608	2035	1839	1801	1198	798	775	732	729
MAX	1594	3122	4534	4885	7611	5106	8813	4689	2746	3112	2114	3021
(WY)	1965	1949	1962	1993	1966	1943	1983	1953	1975	1946	1983	1971
MIN	270	294	315	381	487	530	437	362	356	363	345	321
(WY)	1968	1940	1940	1940	1968	1967	1963	1963	1963	1968	1968	1968
SUMMARY STATISTICS												
FOR 1992 CALENDAR YEAR				FOR 1993 WATER YEAR				WATER YEARS 1939 - 1993				
ANNUAL TOTAL				539853				585673				
ANNUAL MEAN				1475				1605				
HIGHEST ANNUAL MEAN								1176				
LOWEST ANNUAL MEAN								2258				
HIGHEST DAILY MEAN				16900				Aug 27				7, 1983
LOWEST DAILY MEAN				448				Jul 13				30, 1968
ANNUAL SEVEN-DAY MINIMUM				472				Jul 8				28, 1968
INSTANTANEOUS PEAK FLOW								37800				7, 1983
INSTANTANEOUS PEAK STAGE								22.43				7, 1983
INSTANTANEOUS LOW FLOW								478				30, 1968
INSTANTANEOUS LOW STAGE								6.36				30, 1939
ANNUAL RUNOFF (CFSM)				2.28				2.48				1.82
ANNUAL RUNOFF (INCHES)				31.09				33.73				24.73
10 PERCENT EXCEEDS				2890				2910				2100
50 PERCENT EXCEEDS				766				935				638
90 PERCENT EXCEEDS				512				536				382

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.86	6.66	7.67	7.61	8.88	8.13	8.63	8.00	7.22	7.65	7.06	6.63
2	6.78	6.97	7.53	7.51	8.71	8.98	8.36	10.38	7.16	7.37	6.89	6.6^
3	6.72	7.13	7.42	7.43	8.57	13.97	8.16	11.26	7.12	7.20	6.83	6.63
4	6.69	8.72	7.33	7.58	8.45	15.47	13.40	11.73	7.09	7.11	6.88	6.60
5	6.66	11.48	7.27	7.78	8.34	14.80	16.10	10.29	7.06	7.22	7.54	6.76
6	6.63	12.13	7.24	8.06	8.29	11.85	15.35	8.99	7.03	7.15	7.45	6.66
7	6.60	9.95	7.28	8.11	8.22	9.86	12.59	8.42	7.01	7.02	7.36	6.56
8	6.59	8.40	7.25	9.95	8.16	9.15	12.29	8.09	6.99	7.03	7.09	6.56
9	6.57	7.76	7.51	11.38	8.06	8.74	16.36	7.89	6.96	7.72	6.92	6.62
10	6.55	7.41	9.46	10.50	8.06	8.46	17.03	7.83	6.94	7.57	6.83	6.58
11	6.65	7.38	9.99	11.17	10.09	8.25	16.09	9.73	6.92	7.16	6.75	6.51
12	6.62	8.77	8.81	12.25	10.79	8.16	13.73	11.28	6.90	7.06	6.70	6.47
13	6.56	12.09	8.16	14.29	9.81	9.29	11.04	9.63	6.89	7.21	6.66	6.44
14	6.52	11.60	7.80	14.46	9.06	9.91	10.02	8.63	7.01	7.59	6.64	6.42
15	6.51	9.23	8.04	12.41	8.61	9.19	13.15	8.21	7.80	8.02	6.66	6.75
16	6.51	8.24	12.12	10.05	8.78	9.15	15.28	7.92	7.44	8.51	7.02	6.87
17	6.52	7.78	14.63	9.23	9.42	12.69	14.22	7.74	7.10	8.80	6.76	6.67
18	6.51	7.53	14.04	8.73	8.99	13.20	11.23	7.64	7.01	8.03	6.65	6.56
19	6.49	7.35	11.78	8.39	8.50	11.05	9.92	7.56	6.92	7.35	6.61	6.51
20	6.45	7.48	10.30	12.91	8.26	10.55	9.33	7.49	7.07	7.18	6.59	6.48
21	6.43	8.48	10.37	21.49	8.13	14.16	9.04	7.43	7.91	7.24	6.59	6.46
22	6.41	10.70	10.38	22.26	8.06	13.19	8.96	7.35	7.76	7.63	6.59	6.46
23	6.40	12.41	9.42	19.67	7.96	11.13	8.65	7.30	7.32	8.29	6.63	6.45
24	6.39	12.06	8.84	16.34	7.85	10.95	8.42	7.28	7.28	8.29	6.67	6.42
25	6.38	12.72	8.44	13.28	7.82	11.00	8.28	7.49	8.09	7.82	6.57	6.41
26	6.37	11.56	8.17	11.42	8.86	12.19	8.55	7.51	8.60	7.41	6.55	6.39
27	6.38	9.49	8.03	10.50	8.93	13.85	9.23	7.93	10.00	7.21	6.53	6.42
28	6.45	8.60	8.00	9.94	8.41	12.11	8.33	7.71	10.45	7.09	6.59	6.41
29	6.42	8.16	7.95	9.57	---	10.11	8.04	7.62	8.91	7.03	6.55	6.40
30	6.46	7.88	7.83	9.34	---	9.31	7.93	7.43	8.13	7.22	6.55	6.37
31	6.56	---	7.70	9.09	---	8.90	---	7.30	---	7.48	6.66	---
MAX	6.86	12.72	14.63	22.26	10.79	15.47	17.03	11.73	10.45	8.80	7.54	6.87
MIN	6.37	6.66	7.24	7.43	7.82	8.13	7.93	7.28	6.89	7.02	6.53	6.37

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

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1979 to September 1982.

WATER TEMPERATURES: November 1979 to September 1982.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	
OCT 1992 06...	1300	666	47	6.85	23.5	10	4.5	--	--	K34	48	10	
FEB 1993 11...	1330	1850	48	6.32	16.0	40	40	9.2	3.8	2000	--	9	
APR 06...	1315	7140	34	6.53	15.5	60	36	10.2	3.9	680	2200	7	
JUL 13...	1200	--	48	6.70	27.5	15	11	7.7	1.0	K28	250	9	
DATE		CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992 06...	2.4	0.94	4.6	1.4	13	1.5	5.4	<0.1	13	36	39	<0.01	
FEB 1993 11...	2.1	0.98	3.4	2.5	11	2.7	3.5	<0.1	7.8	45	31	--	
APR 06...	1.6	0.73	2.3	2.0	7	2.3	3.1	<0.1	4.8	36	22	--	
JUL 13...	2.2	0.86	5.1	1.6	15	1.4	5.3	<0.1	11	38	39	--	
DATE		NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 1992 06...	<0.01	0.23	0.22	0.02	0.02	<0.2	0.05	0.04	0.03	40	28	<3	
FEB 1993 11...	0.03	--	0.63	--	0.30	1.0	0.23	0.10	0.09	130	25	<3	
APR 06...	0.01	--	0.21	--	0.07	0.8	0.17	0.06	0.05	140	23	<3	
JUL 13...	<0.01	--	0.45	--	0.04	<0.2	0.08	0.05	0.04	70	22	<3	
DATE		IRON, DIS-SOLVED (UG/L AS Fe)	LITHIUM DIS-SOLVED (UG/L AS Li)	MANGA-NESE, DIS-SOLVED (UG/L AS Mn)	MOLYB-DENUM, DIS-SOLVED (UG/L AS Mo)	NICKEL, DIS-SOLVED (UG/L AS Ni)	SELE-NIUM, DIS-SOLVED (UG/L AS Se)	SILVER, DIS-SOLVED (UG/L AS Ag)	STRON-TIUM, DIS-SOLVED (UG/L AS Sr)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992 06...	360	<4	110	<10	3	<1	<1	24	<6	22	40	84	
FEB 1993 11...	180	<4	110	<10	1	<1	<1	17	<6	88	440	94	
APR 06...	200	<4	42	<10	2	<1	<1	14	<6	206	3970	56	
JUL 13...	240	<4	39	<10	<1	<1	<1	22	<6	28	--	84	

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

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

MISSISSIPPI RIVER DELTA

07375800 TICKFAW RIVER AT LIVERPOOL, LA

LOCATION.--Lat 30°55'50", long 90°40'24", on line between secs. 46 and 47, T. 1 S., R. 5 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on State Highway 38, 0.2 mi east of intersection of State Highways 38 and 441, 0.5 mi upstream from Cotton Patch Branch, and 1.0 mi north of Liverpool.

DRAINAGE AREA.--89.7 mi².

PERIOD OF RECORD.--March 1956 to September 1968, October 1979 to September 1981 (published as "near Liverpool"). October 1968 to September 1979 (annual maximums only), October 1981 to current year (gage heights only).

GAGE.--Data-collection platform and rain gage. Datum of gage is 204.44 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Oct. 1, 1982 altitude of gage, 206 ft, from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi west at same datum. Oct. 1, 1963, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at same site 0.2 mi west at same datum.

AVERAGE DISCHARGE.--14 years (1957-68, 1980-81), 116 ft³/s, 17.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s, Apr. 6, 1983, maximum gage height, 13.30 ft; minimum discharge, 29 ft³/s, Sept. 26-30, 1968; minimum gage height, 1.76 ft, Oct. 9, 11, 12, 13, 14, 15, 16, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,200 ft³/s, Jan. 21, gage height, 13.17 ft; minimum gage height, 1.95 ft, Sept. 23, 24, 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.19	2.44	---	2.44	2.50	---	2.71	2.67	---	2.17	2.07	2.04
2	2.19	2.61	2.37	2.39	2.47	5.34	2.59	4.13	---	2.15	2.06	2.03
3	2.21	2.49	2.36	2.37	2.45	8.47	2.53	5.18	---	2.12	2.06	2.03
4	2.22	5.50	2.36	2.48	2.44	7.05	5.24	3.68	---	2.09	2.24	2.16
5	2.22	7.86	2.38	2.67	2.43	3.80	7.45	2.88	---	2.08	2.15	2.09
6	2.22	6.95	2.37	2.68	2.44	3.21	5.37	2.61	---	3.01	2.08	2.06
7	2.22	3.66	2.40	3.33	2.44	2.94	3.43	2.48	---	2.07	2.06	2.09
8	2.23	2.97	2.40	5.89	2.42	2.77	---	2.39	---	2.05	2.04	2.04
9	2.23	2.71	2.57	5.10	2.40	2.67	---	2.34	---	2.08	2.04	2.03
10	2.23	2.58	3.35	3.63	2.47	2.59	8.15	2.40	2.14	2.07	2.04	2.01
11	---	2.57	3.18	4.09	3.04	2.54	4.44	2.87	2.13	2.07	2.03	2.00
12	---	3.41	2.80	6.92	3.06	2.59	3.35	2.73	2.14	2.11	2.02	1.99
13	---	5.30	2.62	7.99	2.81	3.57	3.00	2.47	2.15	2.16	2.02	1.99
14	---	3.87	2.52	5.53	2.65	3.42	2.86	2.38	2.15	2.12	2.02	1.99
15	---	3.05	2.88	3.58	2.56	2.95	5.51	---	2.13	2.12	2.02	2.02
16	---	2.76	5.20	3.22	2.84	3.19	5.75	2.59	2.12	2.18	2.04	2.02
17	---	2.57	4.96	3.03	2.97	5.69	3.51	2.25	2.13	2.12	2.04	2.03
18	---	2.47	3.98	2.84	2.73	4.90	2.97	2.24	2.13	2.09	2.03	2.03
19	---	2.38	3.31	2.72	2.61	3.41	2.75	2.23	2.12	2.09	2.03	2.02
20	---	2.84	3.33	7.22	2.55	3.37	2.64	2.22	2.20	2.11	2.04	2.01
21	---	4.78	3.79	11.51	2.52	4.30	2.77	2.21	2.30	2.27	2.08	1.99
22	2.23	3.64	3.37	8.84	2.49	3.62	2.64	2.20	2.23	2.40	2.09	1.98
23	2.22	3.11	3.03	5.68	2.45	3.87	2.51	2.19	2.20	2.46	2.07	1.96
24	---	3.27	2.84	3.76	2.42	5.83	2.44	2.19	2.19	2.36	2.08	1.96
25	---	3.46	2.70	3.33	2.48	4.20	2.40	2.30	2.19	2.16	2.04	1.95
26	---	3.17	2.64	3.06	3.05	5.71	2.40	2.27	2.16	2.14	2.02	1.97
27	---	---	2.65	2.87	---	6.32	2.44	---	2.36	2.11	2.02	2.03
28	2.34	---	2.68	2.74	---	3.79	2.35	---	2.64	2.09	2.07	1.99
29	2.34	---	2.64	2.66	---	3.17	2.32	---	2.32	2.09	2.06	1.96
30	2.39	---	2.55	2.59	---	2.91	2.32	---	2.22	2.20	2.06	1.96
31	2.39	---	2.49	2.54	---	2.80	---	---	---	2.11	2.07	---
MAX	---	---	---	11.51	---	---	---	---	---	3.01	2.24	2.16
MIN	---	---	---	2.37	---	---	---	---	---	2.05	2.02	1.95

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in SE 1/4 NE 1/4 sec. 26, T. 6 S., R. 5 E., St. Helena Meridian, Livingston Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi west of Holden, and 5.1 mi upstream from Big Branch.

DRAINAGE AREA.--247 mi².

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

REVISED RECORDS.--WSP 1711: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above sea level. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944 to June 14, 1948, water-stage recorder, June 15, 1949 to Dec. 9, 1949, nonrecording gage at same site and datum.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	2100	2,050	8.60	Mar. 21	1725	2,000	8.56
Jan. 14	1930	2,370	9.42	Apr. 10	2239	5,250	14.57
Jan. 22	0530	*18,300	*20.08	Apr. 17	1445	2,520	9.78
Mar. 5	0316	2,430	9.56				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	132	248	235	275	246	342	256	185	222	148	131
2	137	142	226	219	250	437	296	281	179	185	142	134
3	135	160	209	208	230	1460	274	351	174	168	141	129
4	133	206	199	208	214	2180	1680	715	171	161	174	123
5	131	463	192	217	201	2300	2350	708	168	155	149	121
6	129	1230	183	227	193	2050	2660	474	165	151	146	123
7	127	1520	182	292	185	1120	2320	339	161	149	176	126
8	125	1370	183	511	178	453	2590	287	160	146	253	127
9	124	805	226	1060	172	335	3380	259	157	153	227	130
10	123	355	469	1250	184	272	4600	255	155	202	174	123
11	123	272	759	1290	395	232	4820	416	153	190	144	118
12	130	303	530	1210	661	212	3730	497	152	158	135	116
13	135	522	384	1790	527	258	2370	446	150	151	130	114
14	128	814	299	2280	377	324	893	348	148	152	127	115
15	122	727	385	2090	287	402	1440	283	149	171	135	122
16	122	487	1150	1720	279	358	2100	248	159	197	147	128
17	123	326	1960	811	357	984	2440	229	148	392	135	128
18	122	261	1890	511	459	1660	1730	217	152	256	126	120
19	122	225	1360	417	326	1310	820	212	153	190	124	118
20	120	245	926	2150	256	1180	548	204	159	163	136	117
21	119	352	718	8060	223	1940	463	198	204	155	184	116
22	118	967	741	17300	205	1870	423	194	220	221	147	114
23	117	1250	631	10100	189	1130	392	190	201	307	134	113
24	116	896	484	4970	172	692	349	187	198	240	130	112
25	116	1010	391	3160	192	708	317	187	199	201	128	111
26	115	935	332	1400	325	1140	295	198	226	195	124	110
27	115	585	301	684	365	1580	297	305	225	187	123	111
28	116	416	287	503	316	1670	294	268	237	157	125	111
29	120	330	281	405	---	1140	269	215	216	150	121	111
30	124	280	269	349	---	656	255	202	282	149	123	110
31	124	---	252	308	---	421	---	192	---	146	127	---
TOTAL	3852	17586	16647	65935	7993	30720	44737	9361	5406	5820	4535	3582
MEAN	124	586	537	2127	285	991	1491	302	180	188	146	119
MAX	141	1520	1960	17300	661	2300	4820	715	282	392	253	134
MIN	115	132	182	208	172	212	255	187	148	146	121	110
CFSM	.50	2.37	2.17	8.61	1.16	4.01	6.04	1.22	.73	.76	.59	.48
IN.	.58	2.65	2.51	9.93	1.20	4.63	6.74	1.41	.81	.88	.68	.54

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1993, BY WATER YEAR (WY)

MEAN	152	229	441	588	731	653	617	399	230	198	214	214
MAX	591	957	1565	2152	2592	1696	2352	1989	927	891	840	1192
(WY)	1965	1978	1962	1990	1966	1943	1983	1991	1959	1946	1955	1977
MIN	71.2	76.7	101	98.1	115	138	118	97.4	101	97.7	85.1	75.0
(WY)	1969	1970	1961	1957	1968	1955	1963	1963	1965	1968	1968	1968
SUMMARY STATISTICS												
FOR 1992 CALENDAR YEAR				FOR 1993 WATER YEAR				WATER YEARS 1941 - 1993				
ANNUAL TOTAL				201175				216174				
ANNUAL MEAN				550				592				
HIGHEST ANNUAL MEAN								387				
LOWEST ANNUAL MEAN								707				
HIGHEST DAILY MEAN				6590				Mar 8				1983
LOWEST DAILY MEAN				98				Jan 7				1970
ANNUAL SEVEN-DAY MINIMUM				100				Jan 1				1983
INSTANTANEOUS PEAK FLOW								18300				1968
INSTANTANEOUS PEAK STAGE								20.08				1983
INSTANTANEOUS LOW FLOW								108				1969
INSTANTANEOUS LOW STAGE								.83				1976
ANNUAL RUNOFF (CFSM)				2.23				2.40				1.57
ANNUAL RUNOFF (INCHES)				30.30				32.56				21.29
10 PERCENT EXCEEDS				1380				1420				802
50 PERCENT EXCEEDS				209				225				166
90 PERCENT EXCEEDS				122				123				99

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.44	1.36	2.30	2.21	2.70	2.60	3.10	2.05	1.50	1.79	1.22	1.07
2	1.41	1.45	2.15	2.11	2.55	3.53	2.78	2.22	1.45	1.50	1.17	1.10
3	1.39	1.60	2.04	2.03	2.42	7.17	2.59	2.66	1.41	1.37	1.16	1.05
4	1.37	1.95	1.97	2.03	2.32	8.96	7.56	4.54	1.39	1.32	1.42	1.00
5	1.35	3.32	1.91	2.09	2.23	9.25	9.36	4.52	1.37	1.28	1.23	.98
6	1.34	6.29	1.85	2.16	2.17	8.65	10.12	3.38	1.35	1.24	1.20	1.00
7	1.32	7.17	1.85	2.55	2.12	6.11	9.29	2.61	1.33	1.23	1.44	1.03
8	1.30	6.72	1.85	3.66	2.08	3.73	9.93	2.26	1.31	1.21	1.95	1.03
9	1.29	4.79	2.13	5.74	2.03	3.15	11.75	2.07	1.29	1.26	1.82	1.06
10	1.28	2.90	3.45	6.37	2.11	2.79	13.80	2.04	1.28	1.64	1.42	1.00
11	1.28	2.44	4.72	6.47	3.36	2.54	14.12	3.06	1.26	1.54	1.19	.95
12	1.34	2.61	3.75	6.25	4.60	2.41	12.45	3.51	1.25	1.30	1.10	.93
13	1.39	3.71	3.06	7.90	4.01	2.72	9.36	3.23	1.24	1.24	1.06	.91
14	1.33	4.92	2.60	9.19	3.29	3.10	5.18	2.66	1.22	1.25	1.03	.92
15	1.27	4.60	3.00	8.72	2.81	3.52	6.92	2.24	1.23	1.40	1.10	.99
16	1.27	3.55	5.99	7.71	2.76	3.29	8.73	1.99	1.31	1.59	1.21	1.04
17	1.28	2.75	8.36	4.86	3.18	5.75	9.58	1.85	1.22	2.91	1.11	1.04
18	1.27	2.37	8.19	3.67	3.71	7.74	7.73	1.76	1.25	2.04	1.03	.97
19	1.27	2.14	6.69	3.22	3.04	6.86	4.92	1.72	1.26	1.54	1.01	.95
20	1.25	2.26	5.31	8.38	2.63	6.44	3.78	1.65	1.31	1.34	1.10	.94
21	1.24	2.86	4.57	16.29	2.42	8.42	3.33	1.60	1.65	1.28	1.50	.93
22	1.23	5.43	4.66	19.90	2.31	8.25	3.10	1.57	1.78	1.77	1.21	.91
23	1.22	6.36	4.20	17.76	2.19	6.30	2.92	1.53	1.63	2.40	1.10	.89
24	1.21	5.21	3.54	14.26	2.07	4.87	2.67	1.51	1.60	1.93	1.07	.88
25	1.21	5.59	3.09	11.23	2.21	4.91	2.47	1.51	1.61	1.63	1.04	.87
26	1.20	5.33	2.79	6.75	3.06	6.42	2.32	1.60	1.82	1.58	1.01	.85
27	1.20	4.00	2.61	4.64	3.27	7.55	2.33	2.37	1.82	1.52	1.00	.86
28	1.21	3.22	2.53	3.85	3.01	7.79	2.32	2.13	1.90	1.29	1.01	.87
29	1.25	2.78	2.49	3.39	---	6.41	2.14	1.74	1.74	1.24	.98	.86
30	1.29	2.49	2.42	3.11	---	4.65	2.04	1.63	2.23	1.23	1.00	.85
31	1.29	---	2.32	2.88	---	3.56	---	1.55	---	1.20	1.04	---
MAX	1.44	7.17	8.36	19.90	4.60	9.25	14.12	4.54	2.23	2.91	1.95	1.10
MIN	1.20	1.36	1.85	2.03	2.03	2.41	2.04	1.51	1.22	1.20	.98	.85

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA.

LOCATION.--Lat 30°30'15", long 90°32'45", in NE 1/4 NW 1/4 sec. 30, T. 6 S., R. 7 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070203, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi downstream from Still Branch, and 0.7 mi west of Baptist.

DRAINAGE AREA.--79.5 mi².

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

REVISED RECORDS.--WSP 1057: 1943.

GAGE.--Water-stage recorder. Datum of gage is 11.28 ft above sea level. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft upstream at same datum.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 21	0758	*5910	*17.79	Apr. 4	0752	2900	14.35
Mar. 20	1959	1960	12.70	Apr. 9	0216	2480	13.68

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e22	e40	e110	40	69	89	70	176	25	25	19	16
2	e20	e60	e80	37	60	758	60	190	24	22	18	15
3	e18	e80	e60	35	53	1240	132	123	24	21	28	15
4	e17	e130	e40	41	46	465	2440	60	24	127	47	15
5	16	e380	e30	59	42	201	1410	41	24	103	74	14
6	16	e1000	e20	47	45	134	400	34	23	28	27	15
7	16	e930	31	115	46	105	189	31	22	22	21	15
8	16	e640	32	374	49	86	1690	30	22	21	43	16
9	15	e370	167	202	52	73	2300	29	22	100	23	14
10	15	e170	555	269	172	64	1300	328	22	45	19	14
11	16	e100	228	495	633	57	352	837	21	26	18	13
12	15	e140	103	403	387	104	171	201	21	24	18	13
13	14	e440	69	504	185	300	116	130	21	52	18	13
14	14	e380	54	201	129	153	194	64	21	70	17	12
15	14	e200	344	116	105	94	1410	43	20	81	26	18
16	15	e120	1320	95	246	405	668	36	20	57	47	28
17	15	e80	1280	77	208	1070	208	33	20	46	21	17
18	14	e50	432	62	142	395	122	32	22	26	18	15
19	13	e40	253	53	107	173	91	31	20	28	17	14
20	13	e670	325	2230	92	932	76	30	138	67	22	13
21	13	e280	283	5650	85	1440	73	29	136	49	18	13
22	13	e770	168	3460	79	449	61	28	53	228	17	12
23	12	e710	112	e1700	71	311	53	27	28	77	19	12
24	12	e580	84	e700	65	169	47	27	78	31	17	12
25	e15	e680	68	e400	196	256	43	30	125	24	16	12
26	e16	e630	59	150	372	791	40	42	373	24	16	12
27	e15	e490	61	146	178	542	37	57	227	24	17	12
28	e17	e320	57	121	114	200	35	31	53	21	18	11
29	e17	e230	54	103	---	124	33	27	43	21	17	11
30	e20	e160	48	92	---	96	35	26	36	25	16	11
31	e25	---	44	79	---	82	---	25	---	20	16	---
TOTAL	489	10870	6571	18056	4028	11358	13856	2828	1708	1535	728	423
MEAN	15.8	362	212	582	144	366	462	91.2	56.9	49.5	23.5	14.1
MAX	25	1000	1320	5650	633	1440	2440	837	373	228	74	28
MIN	12	40	20	35	42	57	33	25	20	20	16	11
CFSM	.20	4.56	2.67	7.33	1.81	4.61	5.81	1.15	.72	.62	.30	.18
IN.	.23	5.09	3.07	8.45	1.88	5.31	6.48	1.32	.80	.72	.34	.20

e Estimated

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1993, BY WATER YEAR (WY)

MEAN	33.0	80.1	145	180	254	208	200	117	56.9	53.1	61.9	58.4
MAX	356	750	710	582	1026	529	821	791	412	230	378	586
(WY)	1986	1949	1954	1993	1966	1947	1983	1953	1950	1946	1992	1977
MIN	2.61	3.47	6.97	9.48	19.3	15.2	8.36	5.60	5.88	4.55	4.94	5.86
(WY)	1964	1966	1959	1957	1968	1955	1963	1963	1955	1947	1948	1969

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1944 - 1993		
ANNUAL TOTAL	73478		72450		120		
ANNUAL MEAN	201		198		234		
HIGHEST ANNUAL MEAN					25.0		
LOWEST ANNUAL MEAN					1983		
HIGHEST DAILY MEAN	3250	Aug 27	5650	Jan 21	9700	Apr 7,	1983
LOWEST DAILY MEAN	11	Jan 1	11	Sep 28	1.8	Nov 3,	1963
ANNUAL SEVEN-DAY MINIMUM	13	Oct 18	12	Sep 24	2.1	Dec 11,	1962
INSTANTANEOUS PEAK FLOW			5910	Jan 21	9810	Apr 7,	1983
INSTANTANEOUS PEAK STAGE			17.79	Jan 21	20.80	Apr 7,	1983
INSTANTANEOUS LOW FLOW			11	Sep 26,27,28,29,30	1.8	Nov 2,	1963
INSTANTANEOUS LOW STAGE			3.36	Sep 30	2.78	Oct. 14,15,16,	17, 18, 1980
ANNUAL RUNOFF (CFSM)	2.53		2.50		1.51		
ANNUAL RUNOFF (INCHES)	34.38		33.90		20.48		
10 PERCENT EXCEEDS	516		475		251		
50 PERCENT EXCEEDS	48		52		25		
90 PERCENT EXCEEDS	20		15		7.1		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	4.18	4.89	4.82	4.61	5.19	3.82	3.84	3.63	3.53
2	---	---	---	4.12	4.81	8.23	4.48	5.61	3.81	3.74	3.62	3.52
3	---	---	---	4.08	4.74	10.59	4.86	5.12	3.80	3.71	3.83	3.50
4	---	---	---	4.19	4.68	7.10	13.56	4.48	3.80	4.66	4.27	3.51
5	3.78	---	---	4.47	4.62	5.67	11.00	4.19	3.78	4.88	4.59	3.49
6	3.77	---	---	4.29	4.61	5.22	6.76	4.07	3.77	3.90	3.89	3.50
7	3.77	---	4.00	4.87	4.56	4.98	5.60	4.01	3.74	3.72	3.70	3.51
8	3.76	---	4.03	6.65	4.53	4.79	11.67	3.98	3.72	3.71	4.05	3.53
9	3.75	---	5.02	5.67	4.51	4.64	13.36	3.96	3.73	4.89	3.77	3.47
10	3.75	---	7.57	5.97	5.25	4.53	10.71	6.01	3.72	4.25	3.64	3.47
11	3.78	---	5.82	7.28	7.96	4.45	6.51	8.83	3.71	3.86	3.61	3.45
12	3.75	---	4.95	6.80	6.71	4.80	5.48	5.66	3.70	3.78	3.59	3.44
13	3.73	---	4.60	7.33	5.58	6.24	5.08	5.16	3.69	4.08	3.59	3.43
14	3.73	---	4.41	5.66	5.18	5.36	5.42	4.53	3.69	4.55	3.58	3.41
15	3.72	---	6.11	5.08	4.98	4.87	11.29	4.23	3.67	4.72	3.75	3.61
16	3.74	---	10.97	4.88	5.91	6.56	8.10	4.10	3.66	4.43	4.23	3.87
17	3.75	---	10.73	4.70	5.72	9.94	5.71	4.04	3.67	4.27	3.68	3.57
18	3.73	---	6.94	4.51	5.28	6.74	5.12	4.02	3.73	3.84	3.59	3.50
19	3.70	---	5.97	4.39	5.00	5.50	4.84	3.99	3.67	3.83	3.56	3.46
20	3.70	---	6.39	11.74	4.85	8.73	4.68	3.96	4.68	4.47	3.71	3.44
21	3.69	---	6.15	17.55	4.78	11.22	4.65	3.93	5.16	4.05	3.59	3.43
22	3.69	---	5.46	17.15	4.72	7.03	4.50	3.91	4.36	5.81	3.56	3.41
23	3.66	---	5.04	---	4.62	6.30	4.38	3.88	3.91	4.65	3.64	3.42
24	3.70	---	4.77	---	4.55	5.47	4.29	3.89	4.34	3.98	3.57	3.42
25	---	---	4.58	---	5.38	5.87	4.23	3.97	5.08	3.79	3.54	3.41
26	---	---	4.47	5.60	6.63	8.72	4.17	4.15	6.29	3.79	3.54	3.40
27	---	---	4.49	5.43	5.52	7.49	4.12	4.43	5.73	3.80	3.58	3.40
28	---	---	4.44	5.27	5.06	5.66	4.08	4.00	4.37	3.71	3.60	3.39
29	---	---	4.39	5.14	---	5.14	4.05	3.88	4.22	3.69	3.57	3.38
30	---	---	4.31	5.07	---	4.89	4.08	3.84	4.10	3.82	3.53	3.37
31	---	---	4.24	4.97	---	4.74	---	3.83	---	3.68	3.55	---
MAX	---	---	---	---	7.96	11.22	13.56	8.83	6.29	5.81	4.59	3.87
MIN	---	---	---	---	4.51	4.45	4.05	3.83	3.66	3.68	3.53	3.37

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA

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

DRAINAGE AREA.--580 mi².

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

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 145.81 ft above sea level. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 21	0830	*19400	*16.08	Apr. 9	1938	12900	14.04
Mar. 3	2400	11200	13.34				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346	351	466	e500	611	683	750	516	395	397	365	345
2	339	839	446	e490	589	4360	674	1770	383	371	346	264
3	335	649	427	e480	567	10000	621	4320	378	359	351	246
4	333	699	417	e470	548	9180	3390	2720	374	348	354	326
5	327	1910	430	e460	532	3470	4640	1080	367	344	391	328
6	322	1590	434	e500	529	1400	2640	769	363	341	555	309
7	320	915	423	e1000	530	1100	1360	679	358	339	457	289
8	317	598	420	4280	517	941	6650	624	355	335	370	392
9	315	488	456	e5200	503	835	12500	576	350	347	353	336
10	317	439	1330	e3800	499	752	9980	548	348	366	343	317
11	343	436	1300	e3150	882	699	3960	585	347	388	332	318
12	337	816	871	5730	1510	750	1470	633	347	537	330	314
13	317	1600	645	4710	1100	1360	1080	601	348	524	323	314
14	313	858	550	2490	763	1370	910	537	364	552	319	320
15	311	621	660	1320	650	1070	2840	500	363	538	319	352
16	314	518	2430	1040	693	1090	3050	478	345	457	326	328
17	320	463	2740	861	980	1890	1510	465	345	416	336	323
18	316	430	1910	746	819	1390	981	453	345	380	326	325
19	309	410	1150	688	671	1070	807	443	337	358	330	320
20	307	460	916	6530	604	1000	723	436	356	423	319	320
21	303	1200	1080	18500	580	1420	759	428	442	639	366	320
22	302	1870	986	14900	563	1310	706	418	449	815	415	317
23	300	1840	836	5980	535	3040	653	411	493	755	451	317
24	297	1130	718	1880	512	2180	617	408	430	835	403	314
25	297	1190	642	1300	530	1500	593	424	451	577	e370	309
26	296	957	604	1060	1130	3610	588	446	505	446	314	314
27	296	725	635	911	1130	2690	562	448	481	430	313	383
28	306	609	629	806	864	1430	533	429	547	388	338	344
29	305	538	601	733	---	1100	516	425	515	369	357	310
30	314	492	e590	687	---	940	505	405	481	516	439	299
31	329	---	e550	645	---	850	---	398	---	412	372	---
TOTAL	9803	25641	26292	91847	19941	64480	66568	23373	11962	14302	11283	9613
MEAN	316	855	848	2963	712	2080	2219	754	399	461	364	320
MAX	346	1910	2740	18500	1510	10000	12500	4320	547	835	555	392
MIN	296	351	417	460	499	683	505	398	337	335	313	246
CFM	.55	1.47	1.46	5.11	1.23	3.59	3.83	1.30	.69	.80	.63	.55
IN.	.63	1.64	1.69	5.89	1.28	4.14	4.27	1.50	.77	.92	.72	.62

e Estimated.

MISSISSIPPI RIVER DELTA
07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1993, BY WATER YEAR (WY)

MEAN	456	576	1095	1476	1794	1609	1500	1000	626	505	447	488
MAX	2964	2528	4106	6976	4793	5194	6032	4275	2915	2006	1491	2081
(WY)	1965	1958	1972	1990	1966	1980	1983	1953	1975	1989	1975	1975
MIN	197	225	263	339	363	413	346	257	264	261	218	220
(WY)	1964	1970	1967	1957	1968	1955	1963	1965	1969	1960	1954	1963

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1944 - 1993		
ANNUAL TOTAL	403856		375105		963		
ANNUAL MEAN	1103		1028		1924		
HIGHEST ANNUAL MEAN					380		
LOWEST ANNUAL MEAN					1970		
HIGHEST DAILY MEAN	22500	Mar 6	18500	Jan 21	66400	Jan 25, 1990	
LOWEST DAILY MEAN	296	Oct 26	246	Sep 3	188	Oct 18, 1956	
ANNUAL SEVEN-DAY MINIMUM	299	Oct 21	299	Oct 21	190	Oct 26, 1963	
INSTANTANEOUS PEAK FLOW			19400	Jan 21	104000	Jan 25, 1990	
INSTANTANEOUS PEAK STAGE			16.08	Jan 21	22.05	Jan. 25, 1990	
INSTANTANEOUS LOW FLOW			238	Sep 3	188	Oct. 18, 1990	
INSTANTANEOUS LOW STAGE			2.51	Sep 3	0.39	Sep 6, 7, 8, 9, 1990	
ANNUAL RUNOFF (CFSM)	1.90		1.77		1.66		
ANNUAL RUNOFF (INCHES)	25.90		24.06		22.56		
10 PERCENT EXCEEDS	2020		1870		1670		
50 PERCENT EXCEEDS	520		505		426		
90 PERCENT EXCEEDS	335		318		255		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.89	2.90	3.19	---	3.53	3.71	3.68	3.31	3.02	3.02	2.87	2.82
2	2.87	4.02	3.14	---	3.48	8.05	3.53	5.41	2.99	2.95	2.82	2.61
3	2.86	3.62	3.09	---	3.43	12.72	3.43	8.53	2.97	2.92	2.83	2.54
4	2.86	3.73	3.07	---	3.39	12.22	7.16	6.79	2.96	2.90	2.84	2.77
5	2.84	5.83	3.10	---	3.35	7.51	8.82	4.50	2.94	2.89	2.93	2.77
6	2.83	5.36	3.11	---	3.34	4.93	6.72	3.91	2.93	2.88	3.35	2.73
7	2.83	4.20	3.08	---	3.34	4.36	4.85	3.70	2.92	2.88	3.10	2.67
8	2.82	3.50	3.08	8.49	3.31	4.03	10.01	3.56	2.92	2.86	2.88	2.94
9	2.81	3.24	3.16	---	3.28	3.82	13.90	3.45	2.90	2.90	2.84	2.80
10	2.82	3.12	4.92	---	3.27	3.68	12.61	3.38	2.90	2.94	2.81	2.75
11	2.89	3.12	4.91	---	4.05	3.58	8.06	3.47	2.89	3.00	2.79	2.75
12	2.87	3.91	4.12	9.78	5.25	3.67	5.17	3.59	2.89	3.36	2.78	2.74
13	2.82	5.37	3.62	8.88	4.55	4.85	4.51	3.51	2.90	3.33	2.76	2.74
14	2.81	4.09	3.39	6.54	3.90	4.88	4.20	3.36	2.94	3.39	2.75	2.76
15	2.80	3.56	3.62	4.93	3.63	4.29	6.88	3.27	2.93	3.36	2.75	2.84
16	2.81	3.31	6.51	4.43	3.73	4.33	7.22	3.22	2.89	3.17	2.77	2.78
17	2.83	3.18	6.91	4.10	4.33	5.75	5.23	3.19	2.89	3.07	2.80	2.76
18	2.82	3.10	5.83	3.86	4.02	4.91	4.33	3.16	2.89	2.98	2.77	2.77
19	2.80	3.05	4.64	3.72	3.68	4.30	4.00	3.13	2.87	2.92	2.78	2.76
20	2.79	3.17	4.21	8.81	3.52	4.16	3.81	3.12	2.92	3.08	2.75	2.76
21	2.78	4.73	4.51	15.84	3.46	4.96	3.89	3.10	3.13	3.60	2.87	2.76
22	2.78	5.70	4.34	14.66	3.42	4.77	3.76	3.07	3.15	4.00	2.99	2.75
23	2.77	5.72	4.05	9.90	3.35	7.00	3.63	3.05	3.25	3.85	3.09	2.75
24	2.77	4.61	3.79	5.79	3.30	6.15	3.55	3.05	3.10	4.03	2.96	2.74
25	2.76	4.72	3.61	4.91	3.34	5.09	3.49	3.09	3.15	3.40	---	2.73
26	2.76	4.29	3.52	4.48	4.57	7.81	3.48	3.14	3.28	3.07	2.75	2.74
27	2.76	3.81	3.59	4.20	4.61	6.78	3.42	3.14	3.23	3.03	2.74	2.91
28	2.79	3.53	3.58	3.99	4.10	4.97	3.35	3.10	3.38	2.93	2.80	2.82
29	2.79	3.36	3.51	3.83	---	4.35	3.31	3.09	3.31	2.88	2.85	2.73
30	2.81	3.25	---	3.72	---	4.03	3.28	3.04	3.22	3.25	3.05	2.70
31	2.85	---	---	3.62	---	3.85	---	3.02	---	2.99	2.89	---
MAX	2.89	5.83	---	---	5.25	12.72	13.90	8.53	3.38	4.03	---	2.94
MIN	2.76	2.90	---	---	3.27	3.58	3.28	3.02	2.87	2.86	---	2.54

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in sec. 41, T. 3 S., R. 2 E., St. Helena Meridian, East Feliciana Parish Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67, 1,000 ft downstream from Knighton Bayou, and 1.3 mi northeast of Olive Branch.

DRAINAGE AREA.--145 mi².

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

REVISED RECORDS.--WSP 1177: 1948, 1949(M). WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft above sea level. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft upstream. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges. Records are fair, except those for, Oct. 1-8, Jan 24 to Feb. 2, Apr. 12-14, 18-30, Aug. 24 to Sept. 30, 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)
Jan. 21	0545	*13600	*14.42	Apr. 9	0915	6270	9.56
Mar. 3	1715	3260	6.73				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e52	88	81	74	e96	110	97	100	68	74	62	e62
2	e52	347	78	71	e93	1780	89	509	67	70	61	e58
3	e51	222	75	69	88	2790	85	995	66	68	60	e56
4	e51	205	74	69	86	1500	1580	553	66	67	62	e62
5	e50	705	75	76	84	240	1530	189	65	66	61	e66
6	e50	399	79	75	84	162	517	146	65	65	60	e58
7	e49	141	77	550	84	129	180	125	65	65	60	e56
8	e50	105	76	2010	82	114	3370	111	64	65	59	e54
9	51	92	136	1180	80	103	5450	102	64	63	59	e54
10	53	85	431	267	81	95	2280	99	66	61	59	e56
11	56	84	223	668	181	88	405	106	93	76	59	e54
12	56	180	118	2220	290	95	e250	105	70	98	59	e53
13	57	599	93	1500	164	346	e200	116	69	76	58	e52
14	51	212	81	301	115	230	e250	105	68	58	58	e56
15	51	125	158	168	99	136	1660	91	79	56	73	e60
16	53	102	638	130	156	372	1390	85	79	63	65	e66
17	55	91	501	112	240	819	443	82	70	70	64	e58
18	58	86	241	102	143	248	e250	80	66	59	63	e54
19	53	82	148	98	109	152	e150	79	65	57	63	e52
20	51	165	133	5550	98	290	e120	77	72	57	70	e50
21	51	545	287	11500	94	534	e100	75	106	125	90	e50
22	50	1030	189	3670	91	225	e105	74	163	546	221	e52
23	50	930	130	529	87	308	e110	72	100	166	93	e55
24	50	262	108	e300	82	1040	e100	72	80	97	e65	e52
25	50	292	100	e200	95	390	e90	72	155	75	e62	e50
26	50	167	93	e150	373	796	e85	75	270	67	e58	e56
27	50	122	100	e130	257	530	e78	91	199	64	e55	e68
28	52	104	99	e120	135	182	e75	81	135	63	e53	e86
29	54	94	90	e110	---	148	e70	74	112	63	e52	e70
30	57	85	84	e105	---	124	e70	70	88	63	e58	e65
31	57	---	79	e100	---	108	---	69	---	63	e66	---
TOTAL	1621	7746	4875	32204	3667	14184	21179	4680	2795	2726	2108	1741
MEAN	52.3	258	157	1039	131	458	706	151	93.2	87.9	68.0	58.0
MAX	58	1030	638	11500	373	2790	5450	995	270	546	221	86
MIN	49	82	74	69	80	88	70	69	64	56	52	50
CFSM	.36	1.78	1.08	7.16	.90	3.16	4.87	1.04	.64	.61	.47	.40
IN.	.42	1.99	1.25	8.26	.94	3.64	5.43	1.20	.72	.70	.54	.45

e Estimated.

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1993, BY WATER YEAR (WY)

MEAN	112	153	286	399	464	429	373	221	135	120	122	111
MAX	774	758	1137	1506	1454	1266	1445	1232	609	570	512	623
(WY)	1986	1978	1983	1990	1966	1961	1983	1953	1975	1989	1975	1977
MIN	38.4	35.7	53.1	62.8	77.2	77.2	46.2	47.5	47.4	49.3	42.5	38.5
(WY)	1969	1969	1967	1957	1970	1955	1963	1963	1977	1956	1957	1972

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1943 - 1993	
ANNUAL TOTAL	111265		99526			
ANNUAL MEAN	304		273		243	
HIGHEST ANNUAL MEAN					527	
LOWEST ANNUAL MEAN					83.1	
HIGHEST DAILY MEAN	12600	Mar 6	11500	Jan 21	16200	Apr 6, 1983
LOWEST DAILY MEAN	49	Oct 7	49	Oct 7	29	Oct 16, 1972
ANNUAL SEVEN-DAY MINIMUM	50	Oct 21	50	Oct 21	31	Oct 12, 1972
INSTANTANEOUS PEAK FLOW			13600	Jan 21	22400	Apr 22, 1977
INSTANTANEOUS PEAK STAGE			14.42	Jan 21	23.37	Mar 18, 1961
INSTANTANEOUS LOW FLOW			*49	Oct 7	28	Oct 12, 1972
ANNUAL RUNOFF (CFSM)	2.10		1.88		1.67	
ANNUAL RUNOFF (INCHES)	28.55		25.53		22.73	
10 PERCENT EXCEEDS	513		504		446	
50 PERCENT EXCEEDS	108		85		80	
90 PERCENT EXCEEDS	58		54		46	

* Minimum daily.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.89	.80	.82	---	1.03	.83	.85	.63	.67	.58	---
2	---	1.98	.78	.80	---	4.42	.78	2.26	.61	.63	.56	---
3	---	1.52	.76	.79	.90	6.10	.75	3.52	.61	.62	.56	---
4	---	1.47	.76	.78	.89	4.15	4.14	2.51	.60	.61	.57	---
5	---	2.92	.76	.83	.88	1.63	4.38	1.38	.59	.61	.57	---
6	---	2.11	.78	.82	.87	1.29	2.38	1.13	.60	.60	.56	---
7	---	1.19	.77	2.05	.88	1.13	1.33	1.01	.60	.60	.56	---
8	---	1.00	.76	5.04	.87	1.05	6.51	.93	.59	.60	.56	---
9	.69	.92	1.07	3.74	.85	.99	8.86	.86	.59	.59	.55	---
10	.70	.88	2.27	1.75	.86	.94	5.38	.85	.61	.57	.55	---
11	.71	.88	1.55	2.75	1.33	.90	2.19	.90	.80	.68	.55	---
12	.71	1.32	1.07	5.33	1.82	.94	---	.88	.64	.84	.55	---
13	.72	2.69	.93	4.29	1.30	2.03	---	.96	.63	.68	.55	---
14	.69	1.50	.86	1.85	1.05	1.59	---	.88	.63	.55	.54	---
15	.69	1.11	1.20	1.32	.97	1.16	4.52	.79	.70	.53	.65	---
16	.70	.98	2.78	1.13	1.24	1.78	4.18	.75	.71	.58	.60	---
17	.71	.92	2.44	1.03	1.63	3.14	2.26	.73	.64	.63	.59	---
18	.72	.89	1.64	.98	1.20	1.66	---	.71	.60	.55	.58	---
19	.69	.87	1.22	.96	1.02	1.24	---	.71	.60	.54	.58	---
20	.69	1.24	1.14	7.57	.96	1.68	---	.69	.65	.54	.63	---
21	.68	2.58	1.84	13.16	.94	2.54	---	.68	.89	.86	.76	---
22	.68	3.55	1.41	6.97	.92	1.57	---	.67	1.23	2.56	1.52	---
23	.68	3.35	1.13	2.49	.89	1.77	---	.65	.85	1.24	.80	---
24	.68	1.73	1.02	---	.86	3.60	---	.65	.71	.83	---	---
25	.68	1.85	.97	---	.94	2.08	---	.65	1.14	.67	---	---
26	.68	1.29	.93	---	2.09	3.12	---	.68	1.73	.61	---	---
27	.68	1.06	.97	---	1.68	2.45	---	.79	1.43	.59	---	---
28	.69	.96	.96	---	1.16	1.34	---	.72	1.07	.59	---	---
29	.70	.89	.91	---	---	1.15	---	.66	.93	.59	---	---
30	.72	.83	.87	---	---	1.00	---	.64	.77	.59	---	---
31	.72	---	.84	---	---	.90	---	.63	---	.58	---	---
MAX	---	3.55	2.78	---	---	6.10	---	3.52	1.73	2.56	---	---
MIN	---	.83	.76	---	---	.90	---	.63	.59	.53	---	---

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E 1/2 sec. 39, T. 5 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.--45 mi², approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above sea level (levels by Corps of Engineers).

REMARKS.--Estimated daily discharges. Records fair. 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)
^a Apr. 4	1100	*3000 1970	Unknown 17.60	Apr. 8	2245	2870	20.22

a Sometimes during the period of Jan. 19-21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.85	41	3.4	e5.0	3.4	7.9	1.7	4.2	.78	6.0	e.32	1.3
2	e.90	54	2.4	e4.0	2.9	855	1.4	306	.67	4.0	e.30	1.5
3	e1.5	23	2.5	e3.0	2.6	867	2.6	605	.65	2.8	e.28	22
4	e1.7	128	2.6	e2.5	2.3	130	1380	65	.57	3.5	e.26	9.2
5	2.0	374	2.4	e10	2.1	24	847	11	.46	33	e.25	5.1
6	1.9	79	3.2	e250	2.1	9.9	66	5.6	.91	9.5	e.24	3.6
7	1.6	16	3.5	e900	2.1	5.7	52	3.8	1.0	4.6	e.23	2.2
8	1.5	7.4	143	e600	2.2	4.0	2340	2.9	.81	2.7	e.34	1.3
9	1.5	5.3	323	e75	1.7	3.0	2240	2.3	.76	1.8	e.40	1.1
10	3.9	4.6	65	e1000	3.1	2.3	333	2.6	.70	4.8	e.60	.82
11	4.2	4.9	19	e700	84	1.8	36	2.0	.62	2.9	e.58	.58
12	1.6	29	7.5	e150	85	27	16	4.8	6.5	1.7	e5.0	.45
13	1.4	68	4.6	e75	27	162	10	104	8.0	32	e3.5	.84
14	1.3	26	152	e50	11	45	117	21	2.2	16	e2.0	1.4
15	1.3	8.5	371	e35	5.9	10	1140	5.4	1.2	3.8	e1.5	.93
16	2.2	5.5	227	e30	49	193	462	3.3	.85	2.0	e1.0	.65
17	1.8	4.4	70	e25	127	453	34	2.6	.71	1.3	e.90	.57
18	1.4	3.9	24	e500	23	81	15	1.7	4.5	3.7	5.2	.50
19	1.3	3.7	26	e1000	8.4	21	9.8	1.2	1.8	3.6	2.6	.43
20	1.2	340	79	e2500	4.5	215	7.8	.98	2.7	1.7	55	.37
21	1.1	522	39	e250	3.5	337	13	.77	5.9	1.2	45	.33
22	1.1	343	23	e100	2.7	67	12	.67	26	.93	7.0	.30
23	1.0	157	16	e30	2.1	30	7.1	.60	10	.75	4.2	.29
24	1.0	62	e12	e20	1.7	30	5.4	.55	4.6	.62	2.4	.27
25	.94	47	e15	e15	56	24	4.3	.61	56	.54	1.5	.24
26	.98	21	e25	e12	252	34	3.8	.83	217	.52	1.5	.63
27	1.0	9.5	e20	8.0	56	21	3.6	2.1	376	e.50	2.8	.92
28	1.0	6.5	e15	6.2	13	6.6	3.1	1.2	84	e.45	1.7	.27
29	1.0	5.2	e12	5.1	---	4.2	2.8	1.1	34	e.42	5.3	.20
30	4.9	4.5	e10	4.6	---	3.0	2.7	1.5	11	e.39	4.3	.19
31	2.5	---	e6.0	4.0	---	2.1	---	1.1	---	e.35	2.0	---
TOTAL	51.57	2403.9	1724.1	8369.4	836.3	3676.5	9169.1	1166.41	860.89	148.07	158.20	58.48
MEAN	1.66	80.1	55.6	270	29.9	119	306	37.6	28.7	4.78	5.10	1.95
MAX	4.9	522	371	2500	252	867	2340	605	376	33	55	22
MIN	.85	3.7	2.4	2.5	1.7	1.8	1.4	.55	.46	.35	.23	.19
CFSM	.04	1.78	1.24	6.00	.66	2.64	6.79	.84	.64	.11	.11	.04
IN.	.04	1.99	1.43	6.92	.69	3.04	7.58	.96	.71	.12	.13	.05

c Estimated

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1993, BY WATER YEAR (WY)

MEAN	37.6	47.0	92.7	160	162	117	135	68.4	53.1	37.9	51.0	40.2
MAX	372	209	369	426	378	335	423	260	519	282	203	226
(WY)	1985	1978	1983	1990	1988	1980	1983	1991	1989	1975	1987	1988
MIN	.16	.60	11.5	2.52	15.1	13.4	1.11	1.50	.56	1.41	1.15	.016
(WY)	1991	1982	1992	1981	1989	1982	1981	1988	1977	1982	1976	1990

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR			FOR 1993 WATER YEAR			WATER YEARS 1973 - 1993		
ANNUAL TOTAL	32873.57			28622.92					
ANNUAL MEAN	89.8			78.4			83.1		
HIGHEST ANNUAL MEAN							142		
LOWEST ANNUAL MEAN							32.2		
HIGHEST DAILY MEAN	3180	Mar 6		2500	Jan 20		4270	Apr 22,	1977
LOWEST DAILY MEAN	.16	Apr 13		.19	Sep 30		.00	Aug 20,	1974
ANNUAL SEVEN-DAY MINIMUM	.23	Apr 7		.27	Aug 1		.00	Oct 3,	1974
INSTANTANEOUS PEAK FLOW				*3000	unknown		4730	Apr 6,	1983
INSTANTANEOUS PEAK STAGE							23.24	Apr 6,	1983
INSTANTANEOUS LOW FLOW				**19	Sep 30		.00	Oct 1,	1983
ANNUAL RUNOFF (CFSM)	2.00			1.74			1.85		
ANNUAL RUNOFF (INCHES)	27.18			23.66			25.09		
10 PERCENT EXCEEDS	163			154			183		
50 PERCENT EXCEEDS	7.0			4.2			4.7		
90 PERCENT EXCEEDS	1.0			.61			.43		

* Sometimes during the period Jan. 19-21.

** Minimum daily discharge.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.47	2.52	---	2.66	2.99	2.46	2.52	2.31	2.72	---	2.27
2	---	4.38	2.42	---	2.61	11.61	2.41	6.50	2.29	2.56	---	2.28
3	---	3.44	2.43	---	2.57	12.42	2.52	10.65	2.28	2.44	---	3.37
4	---	5.44	2.45	---	2.54	5.68	14.79	4.59	2.27	2.45	---	2.93
5	2.22	8.72	2.43	---	2.51	3.65	12.14	3.17	2.24	3.86	---	2.66
6	2.21	4.91	2.50	---	2.51	3.11	4.62	2.85	2.33	2.95	---	2.54
7	2.17	3.23	2.54	---	2.51	2.85	3.95	2.70	2.36	2.61	---	2.39
8	2.16	2.78	5.01	---	2.52	2.71	18.57	2.60	2.32	2.43	---	2.28
9	2.16	2.63	8.31	---	2.46	2.62	18.25	2.54	2.31	2.32	---	2.23
10	2.33	2.57	4.70	---	2.60	2.54	7.78	2.56	2.30	2.57	---	2.19
11	2.42	2.59	3.48	---	4.95	2.48	3.90	2.50	2.28	2.46	---	2.14
12	2.18	3.64	2.98	---	5.11	3.22	3.25	2.62	2.62	2.32	---	2.11
13	2.15	4.71	2.77	---	3.76	6.42	2.97	5.44	2.96	3.27	---	2.17
14	2.14	3.57	5.28	---	3.15	4.25	4.27	3.52	2.52	3.13	---	2.28
15	2.15	2.87	8.82	---	2.87	3.13	14.06	2.82	2.38	2.54	---	2.21
16	2.26	2.67	7.26	---	4.20	5.66	9.13	2.64	2.32	2.34	---	2.16
17	2.22	2.58	4.82	---	5.81	9.51	3.85	2.57	2.30	2.25	---	2.15
18	2.16	2.53	3.66	---	3.60	4.99	3.17	2.46	2.75	2.54	2.66	2.13
19	2.15	2.52	3.69	---	3.03	3.55	2.93	2.39	2.48	2.52	2.42	2.11
20	2.14	6.93	5.03	---	2.76	6.16	2.82	2.35	2.55	2.31	3.70	2.09
21	2.13	10.10	4.11	---	2.66	8.38	3.07	2.31	2.85	2.23	4.08	2.08
22	2.13	8.50	3.63	---	2.59	4.77	3.04	2.29	3.73	2.19	2.79	2.07
23	2.12	6.21	3.38	---	2.51	3.86	2.78	2.27	3.11	2.16	2.58	2.07
24	2.11	4.64	---	---	2.47	3.85	2.65	2.26	2.76	2.13	2.40	2.06
25	2.11	4.25	---	---	3.68	3.63	2.56	2.27	4.11	2.11	2.29	2.05
26	2.12	3.47	---	---	7.57	3.93	2.52	2.32	6.05	2.10	2.28	2.13
27	2.12	2.97	---	3.01	4.48	3.53	2.50	2.51	8.75	---	2.44	2.22
28	2.13	2.77	---	2.89	3.23	2.91	2.44	2.38	5.07	---	2.33	2.07
29	2.13	2.67	---	2.81	---	2.73	2.41	2.37	3.86	---	2.62	2.05
30	2.52	2.62	---	2.77	---	2.61	2.40	2.43	3.05	---	2.59	2.04
31	2.34	---	---	2.71	---	2.52	---	2.36	---	---	2.36	---
MAX	---	10.10	---	---	7.57	12.42	18.57	10.65	8.75	---	---	3.37
MIN	---	2.52	---	---	2.46	2.48	2.40	2.26	2.24	---	---	2.04

MISSISSIPPI RIVER DELTA

07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", on line between sections 24 and 44, T. 6 S., R. 1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near left bank on downstream side of bridge on State Highway 946, 0.5 mi downstream from Blackwater Bayou, and 2.6 mi west of Comite.

DRAINAGE AREA.--284 mi².

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

REVISED RECORDS.--WSP 1920: Drainage area. WDR LA-85-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 23.85 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 5.00 ft higher. Prior to Oct. 1, 1978, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges. Records fair. Several measurements of water temperature were made during the year. Indefinite stage/discharge relationship Jan. 22, 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	108	104	122	165	138	172	172	110	e96	99	74
2	74	309	97	116	152	3330	160	308	108	e85	120	73
3	73	330	93	112	146	6070	200	1600	107	e80	83	75
4	74	934	99	111	143	3020	7510	806	106	e78	79	78
5	73	1730	109	116	141	894	5400	306	103	e76	102	86
6	73	727	95	122	132	378	1440	213	102	e74	88	80
7	73	253	112	1060	127	266	420	189	101	e74	214	72
8	73	154	108	5550	e130	224	10800	174	100	e74	e150	81
9	73	121	586	2560	e125	196	16000	166	101	e73	e90	97
10	73	105	1070	1130	e150	178	7760	163	100	e72	e80	74
11	82	106	498	1700	e270	165	1930	170	117	e90	e76	69
12	79	502	227	5050	e370	207	633	171	121	e120	72	67
13	79	528	159	2980	e250	601	388	232	108	e90	69	67
14	78	412	130	937	e200	475	562	190	105	e80	67	72
15	76	183	698	343	e160	256	6960	165	106	e70	86	74
16	81	134	1640	237	e210	404	3140	155	110	e74	212	73
17	84	113	1080	184	e300	1860	1030	150	102	e80	105	76
18	79	102	468	157	e240	613	399	146	e100	e74	85	71
19	77	95	274	140	e190	300	308	142	e104	e68	71	69
20	73	537	236	13300	121	809	263	136	115	e150	205	75
21	71	1200	363	29400	114	1550	271	130	161	e600	241	66
22	69	1780	356	e18800	105	525	254	125	170	e900	176	66
23	67	1410	226	e5680	93	300	218	120	e150	e500	133	66
24	66	651	192	1560	84	637	189	117	e120	e160	87	66
25	66	400	167	620	352	732	178	118	e250	e120	76	64
26	66	277	153	420	684	706	174	119	e390	e110	71	66
27	69	183	149	329	531	824	166	142	e280	e105	71	73
28	68	145	158	274	213	345	157	144	e200	e100	68	99
29	68	126	150	235	---	238	149	119	e140	e97	76	93
30	81	112	138	208	---	198	147	114	e110	95	78	74
31	81	---	130	183	---	180	---	113	---	90	73	---
TOTAL	2294	13767	10065	93736	5898	26619	67378	7115	4097	4555	3303	2236
MEAN	74.0	459	325	3024	211	859	2246	230	137	147	107	74.5
MAX	84	1780	1640	29400	684	6070	16000	1600	390	900	241	99
MIN	66	95	93	111	84	138	147	113	100	68	67	64
CFSM	.26	1.62	1.14	10.6	.74	3.02	7.91	.81	.48	.52	.38	.26
IN.	.30	1.80	1.32	12.28	.77	3.49	8.83	.93	.54	.60	.43	.29

e Estimated

MISSISSIPPI RIVER DELTA

07378000 COMITE RIVER NEAR COMITE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1993, BY WATER YEAR (WY)

MEAN	225	267	568	863	970	818	825	490	258	224	247	217
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1945 - 1993	
ANNUAL TOTAL	218252		241063			
ANNUAL MEAN	596		660		495	
HIGHEST ANNUAL MEAN					1096	
LOWEST ANNUAL MEAN					125	
HIGHEST DAILY MEAN	17600	Mar 6	29400	Jan 21	34400	Apr 7, 1983
LOWEST DAILY MEAN	48	Aug 9	64	Sep 25	29	Oct 29, 1963
ANNUAL SEVEN-DAY MINIMUM	67	Oct 23	67	Sep 21	29	Oct 28, 1963
INSTANTANEOUS PEAK FLOW			30400	Jan 21	37000	Apr 7, 1983
INSTANTANEOUS PEAK STAGE			27.58	Jan 21	30.64	May 19, 1953
INSTANTANEOUS LOW FLOW			58	Sep 24	28	Aug 1, 1977
INSTANTANEOUS LOW STAGE			.43	Oct 3		
ANNUAL RUNOFF (CFSM)	2.10		2.33		1.74	
ANNUAL RUNOFF (INCHES)	28.59		31.58		23.69	
10 PERCENT EXCEEDS	1110		935		1000	
50 PERCENT EXCEEDS	153		140		125	
90 PERCENT EXCEEDS	77		73		58	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	.87	.89	1.04	1.72	1.50	1.12	1.26	1.06	---	1.17	1.02
2	.51	2.32	.83	.99	1.63	8.18	1.03	2.14	1.04	---	1.35	1.01
3	.50	2.44	.79	.95	1.58	13.43	1.23	6.67	1.03	---	1.05	1.03
4	.51	4.86	.84	.94	1.55	9.32	14.35	4.52	1.02	---	1.02	1.06
5	.50	6.97	.93	.99	1.48	4.77	12.42	2.22	1.01	---	1.23	1.13
6	.50	4.18	.81	1.04	1.46	3.78	6.20	1.60	1.00	---	1.11	1.08
7	.50	1.95	.95	3.93	1.41	1.81	2.82	1.43	.99	---	1.77	1.00
8	.50	1.27	.92	12.95	---	1.50	16.82	1.31	.99	---	---	1.09
9	.50	1.01	2.88	8.46	---	1.30	21.03	1.24	1.00	---	---	1.24
10	.50	.88	5.35	5.40	---	1.16	14.76	1.23	1.00	---	---	1.02
11	.59	.88	3.27	6.75	---	1.05	7.26	1.29	1.16	---	---	.97
12	.56	3.26	1.79	12.34	---	1.34	3.86	1.30	1.20	---	.98	.95
13	.56	3.42	1.32	9.23	---	3.76	2.70	1.76	1.08	---	.95	.95
14	.55	2.84	1.10	4.83	---	3.11	3.00	1.48	1.06	---	.94	1.00
15	.53	1.48	3.23	2.60	---	1.74	14.40	1.29	1.07	---	1.10	1.02
16	.59	1.12	6.77	2.02	---	2.43	9.41	1.23	1.11	---	2.05	1.01
17	.63	.96	5.38	1.67	---	7.21	5.13	1.20	1.04	---	1.31	1.04
18	.59	.86	3.14	1.46	---	3.70	2.76	1.19	---	---	1.13	.99
19	.57	.81	2.10	1.31	---	2.06	2.19	1.17	---	---	.99	.97
20	.54	3.00	1.86	16.81	1.36	3.83	1.89	1.14	1.16	---	1.69	.95
21	.53	5.73	2.60	27.23	1.29	6.53	1.95	1.11	1.56	---	2.14	.94
22	.52	7.09	2.58	24.40	1.21	3.35	1.84	1.09	1.64	---	1.78	.95
23	.51	6.21	1.79	13.49	1.10	2.06	1.57	1.06	---	---	1.54	.94
24	.50	3.95	1.55	6.49	1.02	3.79	1.36	1.05	---	---	1.15	.94
25	.50	2.84	1.37	3.83	2.24	4.14	1.28	1.08	---	---	1.04	.93
26	.50	2.12	1.27	3.02	4.09	4.04	1.25	1.11	---	---	.99	.94
27	.53	1.49	1.24	2.62	3.47	4.60	1.19	1.32	---	---	.99	1.01
28	.52	1.21	1.30	2.35	2.01	2.36	1.12	1.34	---	---	.96	1.25
29	.52	1.07	1.25	2.14	---	1.61	1.07	1.13	---	---	1.04	1.20
30	.66	.96	1.16	1.99	---	1.32	1.05	1.09	---	1.15	1.06	1.02
31	.67	---	1.10	1.83	---	1.19	---	1.08	---	1.11	1.01	---
MEAN	.54	2.60	2.01	5.97	---	3.61	5.27	1.58	---	---	---	1.02
MAX	.67	7.09	6.77	27.23	---	13.43	21.03	6.67	---	---	---	1.25
MIN	.50	.81	.79	.94	---	1.05	1.03	1.05	---	---	---	.93

MISSISSIPPI RIVER DELTA

07378083 BEAVER BAYOU AT HOOPER ROAD, NEAR BATON ROUGE, LA

LOCATION.--Lat 30°33'39", long 91°01'15", in sec. 4, T. 6 S., R. 2 E., St. Helena Meridian, East Baton Rouge Parish, Hydrologic Unit 08070207, near center of box culvert on downstream side of State Highway 408, 1,200 ft east of Roundsville Road, and 8.6 mi northeast of Baton Rouge Post Office.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 1982 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft above sea level (levels by East Baton Rouge Parish, Department of Public Works).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.45 ft, Jan. 20, 1993; minimum, 2.70 ft, many days in 1990, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.45 ft, Jan. 20; minimum recorded, 2.70 ft, many days during year.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.89	3.10	2.92	3.01	2.86	---	2.72	2.81	2.74	2.71	3.23	2.72
2	2.89	3.23	2.92	2.99	2.84	---	2.71	3.08	2.74	2.70	4.09	2.72
3	2.89	2.94	2.92	2.98	2.83	---	---	2.97	2.74	2.70	2.79	2.70
4	2.90	7.47	2.93	2.98	2.82	---	---	2.79	2.74	2.70	2.70	2.70
5	2.92	5.59	3.01	3.00	2.81	---	---	2.75	2.74	2.70	2.70	2.70
6	2.92	3.59	2.96	2.98	2.82	---	---	2.75	2.74	2.70	2.70	2.70
7	2.93	3.17	3.10	5.58	2.82	---	---	2.75	2.74	2.70	2.73	2.70
8	2.94	3.05	3.08	5.62	2.81	---	10.88	2.75	2.74	2.71	2.70	2.70
9	2.95	2.99	4.99	3.60	2.80	---	6.75	2.75	2.74	2.76	2.70	2.70
10	2.96	2.95	4.69	5.04	2.95	---	3.56	2.75	2.74	2.70	2.70	2.70
11	3.00	3.01	3.44	6.45	3.67	---	3.17	2.75	2.74	2.70	2.70	2.70
12	2.99	5.36	3.15	5.87	3.34	---	3.00	2.76	2.74	2.70	2.70	2.70
13	2.99	4.07	3.05	3.71	3.08	---	2.90	2.94	2.74	2.80	2.70	2.70
14	2.98	3.29	3.00	3.31	2.96	---	3.38	2.75	2.74	2.91	2.70	2.70
15	2.99	3.08	5.17	3.26	2.89	---	8.34	2.75	2.74	3.02	3.04	2.72
16	3.04	3.01	5.26	3.26	4.12	---	3.57	2.75	2.74	2.75	3.19	2.70
17	3.03	2.97	4.09	3.14	3.37	---	3.09	2.75	2.74	2.70	2.79	2.70
18	3.02	2.95	3.40	3.07	3.05	---	2.90	2.75	2.74	2.72	2.71	2.70
19	3.03	2.93	3.26	3.04	2.93	---	2.89	2.75	2.74	2.73	2.70	2.70
20	3.02	4.08	3.48	10.46	2.88	---	2.80	2.75	2.90	2.70	3.26	2.70
21	3.04	4.12	3.53	11.26	2.88	---	2.79	2.75	2.89	2.70	3.59	2.70
22	3.02	4.67	3.28	4.54	2.87	---	2.75	2.75	2.80	2.70	2.96	2.70
23	3.04	3.60	3.16	3.58	---	---	2.75	2.75	2.74	2.70	2.83	2.70
24	3.04	4.40	3.33	3.37	---	---	2.75	2.75	2.93	2.70	2.72	2.70
25	3.03	3.68	3.18	3.20	---	---	2.75	2.75	2.76	2.70	2.70	2.70
26	3.04	3.22	3.10	3.08	---	---	2.75	2.74	3.22	2.70	2.70	2.71
27	3.07	3.06	3.17	3.01	---	---	2.75	2.74	4.17	2.70	2.70	2.76
28	2.98	3.00	3.17	2.95	---	---	2.75	2.74	3.09	2.70	2.70	2.70
29	2.95	2.96	3.12	2.91	---	---	2.75	2.74	2.93	2.82	2.70	2.70
30	3.07	2.94	3.07	2.93	---	---	2.75	2.74	2.75	2.82	2.70	2.70
31	2.97	---	3.04	2.89	---	---	---	2.74	---	2.70	2.70	---
MAX	3.07	7.47	5.26	11.26	---	---	---	3.08	4.17	3.02	4.09	2.76
MIN	2.89	2.93	2.92	2.89	---	---	---	2.74	2.74	2.70	2.70	2.70

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in sec.2, T.7 S., R.2 E., St. Helena Meridian, East Baton Rouge-Livingston Parish line, Hydrologic Unit 08070202, on downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 mi southwest of town of Denham Springs, and 15 mi east of Baton Rouge.

DRAINAGE AREA.--1,280 mi².

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

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is sea level. Sept. 1, 1938, to Aug. 8, 1939, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station from October 1945 to September 1983.

REMARKS.--No estimated daily discharges. Records good. Since 1957, considerable flow from 46 mi² diverted from basin. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 12,000 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 13	1430	14000	26.21	Apr. 5	1533	16000	26.89
Jan. 22	0430	*81900	*38.15	Apr. 10	0105	37000	31.26
Mar. 4	1406	16900	27.14	Apr. 16	0338	13200	25.90

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	614	884	871	997	1400	1510	1450	1080	671	1020	743	654
2	590	1250	843	947	1300	3780	1290	1410	657	839	906	575
3	572	2230	831	908	1230	12500	1230	4080	644	754	639	537
4	562	5180	808	878	1170	16400	9650	5680	631	812	616	525
5	554	6330	876	884	1120	14600	15600	4060	622	745	612	556
6	537	4160	802	919	1080	9290	13100	2110	613	671	678	557
7	529	1950	841	1540	1050	3520	7550	1570	599	640	809	542
8	517	1280	836	7630	1040	2110	13100	1330	589	617	1300	554
9	509	1010	1510	10800	1010	1740	30700	1180	582	714	1030	625
10	505	902	3560	8300	1010	1520	33600	1090	579	687	915	522
11	577	1970	3080	6790	1430	1370	20800	1040	622	739	674	466
12	624	3160	2120	9690	1870	1340	11300	1050	634	848	588	442
13	536	3130	1490	13400	2370	2370	4690	1260	592	972	552	435
14	505	1800	1170	11800	1850	2810	2870	1190	573	1150	534	459
15	491	1250	1850	6590	1430	2290	10600	1010	605	1260	565	519
16	541	1030	5240	3020	1850	2030	12600	930	582	1280	1250	513
17	515	904	6580	2150	2040	4900	9220	876	544	1070	1020	492
18	502	829	5210	1800	1950	5580	4150	836	544	914	671	474
19	485	1220	3240	1570	1540	3090	2450	821	554	884	571	454
20	477	2670	2240	9320	1280	3060	2010	795	589	703	844	444
21	470	3630	2220	52800	1200	5770	1850	769	962	704	1670	429
22	466	4210	2440	74700	1200	4860	1780	746	975	1600	1050	422
23	463	3730	1960	43900	1040	2890	1630	726	1220	2320	976	425
24	461	2750	1660	18700	970	4120	1450	713	1300	1550	725	426
25	460	2260	1420	7980	1250	4130	1340	723	1360	1370	677	421
26	459	1680	1260	3540	2710	3810	1260	740	1170	1090	564	418
27	584	1320	1210	2420	2430	6210	1200	831	2810	859	530	479
28	497	1110	1200	2050	1960	4850	1130	827	1630	786	513	512
29	487	1000	1180	1820	---	2610	1070	754	1590	801	517	545
30	594	923	1120	1670	---	1950	1030	721	1290	934	689	441
31	540	---	1060	1510	---	1650	---	704	---	894	699	---
TOTAL	16223	65752	60728	311023	41780	138660	221700	41652	26333	30227	24127	14863
MEAN	523	2192	1959	10030	1492	4473	7390	1344	878	975	778	495
MAX	624	6330	6580	74700	2710	16400	33600	5680	2810	2320	1670	654
MIN	459	829	802	878	970	1340	1030	704	544	617	513	418
CFSM	.41	1.71	1.53	7.84	1.17	3.49	5.77	1.05	.69	.76	.61	.39
IN.	.47	1.91	1.76	9.04	1.21	4.03	6.44	1.21	.77	.88	.70	.43

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1993, BY WATER YEAR (WY)

MEAN	893	1180	2391	3283	3934	3618	3410	2212	1270	1167	1113	1031
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 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1938 - 1993		
ANNUAL TOTAL	954339		993068				
ANNUAL MEAN	2607		2721		2117		
HIGHEST ANNUAL MEAN					4433		
LOWEST ANNUAL MEAN					669		
HIGHEST DAILY MEAN	46400	Mar 7	74700	Jan 22	105000	Apr 8, 1983	
LOWEST DAILY MEAN	459	Oct 26	418	Sep 26	271	Oct 17, 1956	
ANNUAL SEVEN-DAY MINIMUM	465	Oct 20	426	Sep 20	275	Oct 29, 1963	
INSTANTANEOUS PEAK FLOW			81900	Jan 22	112000	Apr 8, 1983	
INSTANTANEOUS PEAK STAGE			38.15	Jan 22	41.50	Apr 8, 1983	
INSTANTANEOUS LOW FLOW			415	Sep 23, 26	271	Oct 17, 1956	
INSTANTANEOUS LOW STAGE			10.50	Sep 23			
ANNUAL RUNOFF (CFSM)	2.04		2.13		1.65		
ANNUAL RUNOFF (INCHES)	27.74		28.86		22.47		
10 PERCENT EXCEEDS	5730		5380		4630		
50 PERCENT EXCEEDS	1060		1070		860		
90 PERCENT EXCEEDS	560		517		430		

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.45	12.26	12.23	12.59	13.58	13.83	13.70	12.80	11.63	12.10	11.41	11.18
2	11.37	13.23	12.15	12.45	13.36	17.46	13.34	13.61	11.58	11.65	11.81	10.97
3	11.32	15.32	12.11	12.34	13.19	25.51	13.17	18.70	11.54	11.44	11.14	10.87
4	11.28	20.42	12.04	12.25	13.05	26.99	23.52	21.11	11.50	11.59	11.08	10.84
5	11.26	21.76	12.24	12.27	12.91	26.40	26.73	18.74	11.47	11.42	11.07	10.92
6	11.20	18.87	12.02	12.37	12.83	23.73	25.82	15.13	11.45	11.23	11.25	10.93
7	11.18	14.79	12.14	13.77	12.75	17.82	22.55	13.98	11.40	11.15	11.58	10.88
8	11.14	13.31	12.12	22.57	12.70	15.13	25.36	13.42	11.37	11.09	12.73	10.92
9	11.11	12.63	13.61	24.77	12.63	14.34	30.09	13.08	11.35	11.34	12.11	11.11
10	11.10	12.32	18.01	23.20	12.62	13.86	30.63	12.84	11.34	11.27	11.84	10.83
11	11.33	14.72	17.11	22.13	13.64	13.52	28.06	12.72	11.48	11.40	11.24	10.67
12	11.48	17.25	15.15	24.06	14.61	13.44	24.86	12.74	11.51	11.68	11.01	10.60
13	11.20	17.19	13.78	25.99	15.69	15.70	19.61	13.26	11.38	11.97	10.91	10.58
14	11.10	14.47	13.05	25.25	14.58	16.58	16.63	13.10	11.32	12.40	10.86	10.65
15	11.05	13.23	14.42	21.70	13.64	15.52	24.53	12.63	11.42	12.65	10.94	10.82
16	11.22	12.68	20.52	16.97	14.58	14.96	25.65	12.40	11.35	12.69	12.64	10.80
17	11.13	12.33	21.96	15.22	14.99	19.89	23.77	12.24	11.23	12.22	12.09	10.75
18	11.09	12.10	20.49	14.47	14.80	20.91	18.88	12.12	11.23	11.84	11.23	10.70
19	11.03	13.03	17.40	13.97	13.91	17.11	15.84	12.08	11.26	11.77	10.96	10.64
20	11.01	16.30	15.41	21.45	13.30	16.90	14.93	12.00	11.37	11.31	11.59	10.61
21	10.98	18.13	15.37	33.79	13.12	21.21	14.58	11.93	12.49	11.31	13.53	10.56
22	10.96	19.13	15.82	37.20	13.12	20.00	14.41	11.86	12.53	13.37	12.16	10.53
23	10.95	18.32	14.81	32.44	12.71	16.72	14.09	11.80	13.15	14.87	11.98	10.54
24	10.94	16.47	14.15	27.46	12.52	18.87	13.69	11.76	13.30	13.30	11.37	10.54
25	10.93	15.46	13.63	22.81	13.12	18.95	13.45	11.79	13.42	12.90	11.24	10.52
26	10.93	14.20	13.26	17.92	16.37	18.36	13.25	11.84	12.94	12.27	10.94	10.51
27	11.35	13.39	13.14	15.80	15.81	21.63	13.11	12.11	15.89	11.70	10.85	10.71
28	11.07	12.91	13.13	15.02	14.81	19.93	12.95	12.10	13.47	11.52	10.80	10.80
29	11.04	12.60	13.08	14.50	---	16.16	12.79	11.88	13.37	11.56	10.82	10.89
30	11.39	12.38	12.93	14.17	---	14.79	12.68	11.78	12.72	11.89	11.27	10.60
31	11.21	---	12.76	13.84	---	14.13	---	11.73	---	11.79	11.30	---
MAX	11.48	21.76	21.96	37.20	16.37	26.99	30.63	21.11	15.89	14.87	13.53	11.18
MIN	10.93	12.10	12.02	12.25	12.52	13.44	12.68	11.73	11.23	11.09	10.80	10.51

MISSISSIPPI RIVER DELTA

07380101 BAYOU MANCHAC NEAR LITTLE PRAIRIE, LA

LOCATION.--Lat 30°20'25", long 90°55'02", in sec. 39, T. 8 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070202, 4.6 mi northwest of Port Vincent, and 3.0 mi downstream from Clay Cut Bayou, on the right bank 1,000 ft upstream from mouth of Muddy Creek.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--June 1989 to current year (elevations only).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 16.83 ft, Jan. 28, 1990 from floodmark; minimum, 0.41 ft, May 20, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 16.38 ft, Jan. 23; minimum, 0.41 ft. May 20.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.67	2.81	---	1.61	2.41	2.03	1.62	2.98	1.63	1.26	1.22	1.46
2	2.96	3.86	---	1.51	2.20	3.32	1.52	3.43	1.58	1.14	1.21	1.86
3	3.24	3.80	---	1.71	2.50	4.48	1.45	3.43	1.51	1.10	1.34	1.81
4	3.25	3.21	1.96	2.33	2.81	5.33	5.17	3.57	1.34	1.10	1.47	1.27
5	2.91	2.46	1.75	2.20	2.65	6.30	5.61	3.46	1.25	1.25	1.38	1.45
6	2.52	1.92	1.92	2.00	2.42	5.98	6.41	2.78	1.24	1.31	1.22	1.78
7	2.50	2.05	2.03	2.48	2.01	4.17	6.08	2.33	1.21	1.36	1.11	1.76
8	2.42	2.32	1.81	3.92	1.83	2.06	7.53	2.26	1.26	1.22	1.08	1.77
9	2.10	2.36	2.29	4.17	1.82	1.71	8.26	2.49	1.39	1.24	1.08	1.75
10	2.21	3.03	3.02	5.19	2.11	1.67	10.56	2.59	1.46	1.44	1.05	1.50
11	2.40	3.44	2.47	5.41	2.87	1.63	11.00	2.43	1.42	1.34	1.18	1.31
12	2.53	3.67	2.03	4.90	2.51	1.92	9.49	2.21	1.34	1.43	1.34	1.35
13	2.35	3.45	1.80	4.96	2.24	2.20	7.17	1.90	1.22	1.35	1.42	1.64
14	2.09	3.69	2.00	5.32	1.96	1.72	4.65	1.64	1.11	1.32	1.31	1.96
15	1.96	3.37	2.97	5.07	1.92	1.63	6.00	1.52	1.23	1.33	1.21	2.05
16	1.89	2.88	4.05	3.62	2.40	2.18	5.80	---	1.58	1.39	1.19	1.80
17	1.92	2.24	4.28	2.47	2.37	3.11	5.82	---	2.01	1.31	1.01	1.84
18	1.90	1.80	4.00	2.11	2.16	3.48	4.87	---	2.58	1.25	1.04	2.02
19	1.80	1.70	3.49	2.03	1.95	2.92	3.11	---	2.98	1.24	1.05	2.10
20	1.93	1.56	2.95	5.46	1.93	3.02	2.55	---	3.16	1.19	.96	2.09
21	1.84	1.46	2.60	10.19	1.86	3.79	2.33	1.36	3.19	1.13	.97	2.00
22	1.94	1.40	2.45	14.93	1.85	3.71	1.97	1.83	2.88	1.47	.93	1.94
23	1.99	1.43	2.22	15.92	1.97	2.86	1.82	1.97	2.64	1.50	.87	1.84
24	1.84	1.95	2.06	13.75	2.20	2.32	1.81	2.03	2.43	1.18	.77	1.57
25	3.04	---	2.08	11.05	2.69	2.65	2.02	2.21	2.47	1.10	.78	1.28
26	3.59	---	2.10	8.24	3.21	2.40	2.17	2.23	2.14	1.07	1.44	1.20
27	3.36	---	2.19	5.93	2.65	2.66	2.23	2.31	2.20	1.03	1.64	1.14
28	2.99	---	2.33	4.70	2.29	2.89	2.46	2.43	1.87	1.00	1.41	1.21
29	2.39	---	2.18	3.78	---	2.19	2.65	2.37	1.69	1.01	1.28	1.53
30	2.47	---	1.79	3.22	---	1.79	2.80	1.97	1.49	1.14	1.16	1.88
31	2.60	---	1.68	2.74	---	1.72	---	1.78	---	1.19	1.28	---
MAX	3.59	---	---	15.92	3.21	6.30	11.00	---	3.19	1.50	1.64	2.10
MIN	1.80	---	---	1.51	1.82	1.63	1.45	---	1.11	1.00	.77	1.14

MISSISSIPPI RIVER DELTA

07380120 AMITE RIVER AT PORT VINCENT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°19'57", long 90°51'07", in sec. 19, T. 8 S., R. 4 E. Livingston Parish, Hydrologic Unit 08070202, on downstream side of bridge on State Highway 42, 0.1 mi east of intersection of State Highway 42 and 431, 0.2 mi west of intersection of State Highway 42 and 16, 0.5 mi downstream from mouth of Grays Creek.

DRAINAGE AREA.--1,596 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct. 25, 1983 to Sept. 30, 1984 (elevations only) October 1984 to current year. Prior to Oct. 24, 1983, elevations only in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is sea level. Prior to Oct. 25, 1983, operated by Corps of Engineers, same site and location.

REMARKS.--No estimated daily discharges. Records poor. No elevation or velocity record: Jan. 2-20, Feb. 13 to March 16, May 26-27, June 11-14, July 17 to Sept. 30. Reverse flow at times during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 14.65 ft, Apr. 9, 1983; minimum elevation, -1.04 ft, Jan. 19, 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 69,500 ft³/s, Jan. 28, 1990; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge, 48,400 ft³/s, Jan. 23; Maximum reverse daily discharge, 371 ft³/s, Nov. 15; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	526	1130	2380	774	2740	---	1660	2050	---	1270	---	---
2	535	378	1670	---	2510	---	1360	2810	---	1160	---	---
3	568	651	1470	---	2360	---	1140	3680	---	835	---	---
4	547	2450	1090	---	2430	---	7900	4950	---	318	---	---
5	520	520	1090	---	2360	---	9550	4930	---	137	---	---
6	693	4040	413	---	2390	---	11700	3210	---	90	---	---
7	745	4380	530	---	2360	---	11000	2320	---	154	---	---
8	909	3290	1280	---	2310	---	13700	2070	405	143	---	---
9	1060	2830	1500	---	2240	---	16200	1970	466	465	---	---
10	793	2600	2600	---	2060	---	24200	1920	461	924	---	---
11	803	2590	2180	---	3010	---	28600	1890	---	998	---	---
12	1180	3850	1950	---	2970	---	17200	1790	---	1090	---	---
13	963	524	1730	---	---	---	12200	1880	---	1430	---	---
14	890	-275	1560	---	---	---	6660	1700	---	1440	---	---
15	894	-371	1950	---	---	---	9680	1340	566	1350	---	---
16	668	-39	3500	---	---	---	10700	1180	552	1700	---	---
17	583	640	3490	---	---	4790	10200	1200	643	---	---	---
18	715	592	3290	---	---	5490	8300	1150	539	---	---	---
19	693	519	3110	---	---	4160	4200	1050	569	---	---	---
20	707	1960	1770	---	---	6760	2840	1050	698	---	---	---
21	645	2250	1800	15400	---	8880	2600	1120	1360	---	---	---
22	602	2280	2360	46200	---	9030	2720	1020	1710	---	---	---
23	656	2050	2270	48400	---	6150	2860	1090	1720	---	---	---
24	502	2930	1490	36900	---	4180	2590	1030	1890	---	---	---
25	626	2300	1450	25600	---	4540	2410	1130	2500	---	---	---
26	478	1280	1370	14000	---	3510	2510	---	2080	---	---	---
27	368	1230	1400	7130	---	3890	2280	---	3070	---	---	---
28	348	1320	1810	5140	---	4330	2150	---	2010	---	---	---
29	934	1560	2150	3860	---	2780	2140	---	1650	---	---	---
30	1210	2370	2200	3260	---	1800	1970	---	1580	---	---	---
31	734	---	1080	3000	---	1620	---	---	---	---	---	---
TOTAL	22095	51829	57933	---	---	---	233220	---	---	---	---	---
MEAN	713	1728	1869	---	---	---	7774	---	---	---	---	---

MISSISSIPPI RIVER DELTA
 07380120 AMITE RIVER AT PORT VINCENT, LA--Continued
 (National stream-quality accounting network station)
 ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.60	1.83	1.00	1.20	1.34	---	.58	2.66	---	.79	1.12	1.60
2	2.90	1.73	1.10	---	1.25	---	.09	2.96	---	.72	1.13	2.00
3	3.18	1.76	1.38	---	1.81	---	.85	2.91	---	.80	1.33	1.93
4	3.17	2.47	1.71	---	2.22	---	3.16	2.79	---	1.06	1.37	1.38
5	2.83	2.54	1.51	---	2.06	---	3.91	2.67	---	1.17	1.15	1.64
6	2.43	2.33	1.82	---	1.83	---	4.34	2.29	---	1.24	1.00	1.92
7	2.42	2.09	1.90	---	1.09	---	4.20	1.95	1.12	1.17	.96	1.87
8	2.31	2.02	1.63	---	.90	---	4.90	1.92	1.32	1.02	.99	1.87
9	2.11	2.26	1.95	---	.88	---	5.76	2.20	1.37	1.26	1.23	1.84
10	2.06	2.45	2.35	---	1.11	---	7.57	2.32	1.40	1.32	1.20	1.58
11	2.10	2.70	1.93	---	1.21	---	8.13	2.17	---	1.09	1.36	1.41
12	1.84	3.17	1.56	---	1.14	---	6.97	1.93	---	1.05	1.49	1.47
13	1.62	3.02	1.45	---	---	---	5.25	1.50	---	1.17	1.49	1.75
14	1.62	2.59	1.80	---	---	---	3.43	1.07	---	1.15	1.18	2.05
15	1.84	1.98	2.49	---	---	---	3.87	1.23	1.30	1.26	.84	2.13
16	1.94	1.67	3.02	---	---	---	3.98	1.19	1.50	1.24	1.04	1.88
17	1.90	1.84	3.22	---	---	2.59	3.87	1.06	1.92	1.15	1.03	1.94
18	1.94	2.15	3.04	---	---	2.59	3.19	1.06	2.50	1.08	1.20	2.12
19	1.93	2.22	2.73	---	---	2.22	2.08	.99	2.89	1.08	1.09	2.20
20	2.16	2.72	2.40	---	---	2.38	1.82	1.15	3.04	.96	1.01	2.18
21	2.34	3.01	2.17	6.75	---	2.91	1.64	1.52	3.05	.94	1.03	2.10
22	2.46	3.08	2.02	10.60	---	2.84	1.25	1.75	2.76	1.21	.77	2.03
23	2.23	2.90	1.84	11.72	---	2.23	1.11	1.84	2.51	1.13	.57	1.93
24	2.00	3.03	1.70	10.59	---	1.76	1.26	1.92	2.29	.73	.48	1.65
25	1.86	2.86	1.80	8.45	---	1.97	1.55	2.09	2.29	.76	.94	1.36
26	1.79	2.45	1.84	6.22	---	1.93	1.74	---	1.92	.86	1.61	1.28
27	1.80	1.81	1.95	4.36	---	1.98	1.85	---	1.85	.84	1.77	1.23
28	1.73	1.38	2.12	3.20	---	2.06	2.11	---	1.66	.82	1.54	1.35
29	1.70	1.29	1.96	2.36	---	1.60	2.33	---	1.44	1.01	1.39	1.64
30	1.71	1.15	1.49	1.98	---	1.43	2.50	---	1.13	1.10	1.31	1.98
31	1.72	---	1.37	1.64	---	1.26	---	---	---	1.12	1.43	---
MAX	3.18	3.17	3.22	---	---	---	8.13	---	---	1.32	1.77	2.20
MIN	1.62	1.15	1.00	---	---	---	.09	---	---	.72	.48	1.23

MISSISSIPPI RIVER DELTA
07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1965, 1967-69, 1976, 1986 to current year.

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

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)
OCT 1992 05...	1530	520	73	6.74	24.5	20	8.7	6.6	0.2	K22	K18	17
FEB 1993 10...	1115	2060	125	6.32	14.0	30	11	9.8	2.6	100	K20	34
APR 05...	1300	9550	39	6.52	15.0	60	110	8.9	4.8	K110	K6800	9
JUL 12...	1140	1090	167	6.82	28.5	10	4.9	6.6	1.6	K20	130	33
DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992 05...	4.2	1.5	6.9	1.9	22	2.1	7.6	<0.1	13	59	52	0.01
FEB 1993 10...	9.0	2.7	10	1.8	37	4.8	12	<0.1	11	86	74	--
APR 05...	2.4	0.74	2.8	1.6	10	2.6	3.1	<0.1	3.7	32	24	--
JUL 12...	8.6	2.7	20	2.0	38	3.9	26	0.1	11	102	99	--
DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS Ba)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 1992 05...	<0.01	0.16	0.17	0.02	0.01	0.4	0.09	0.05	0.03	50	29	<3
FEB 1993 10...	0.03	--	0.25	--	0.04	0.4	0.15	0.07	0.06	40	41	<3
APR 05...	0.01	--	0.15	--	0.05	0.6	0.14	0.06	0.05	150	24	<3
JUL 12...	0.01	--	0.15	--	0.06	0.3	0.10	0.08	0.06	90	34	<3
DATE	IRON, DIS-SOLVED (UG/L AS Fe)	LITHIUM DIS-SOLVED (UG/L AS Li)	MANGA-NESE, DIS-SOLVED (UG/L AS Mn)	MOLYB-DENUM, DIS-SOLVED (UG/L AS Mo)	NICKEL, DIS-SOLVED (UG/L AS Ni)	SELE-NIUM, DIS-SOLVED (UG/L AS Se)	SILVER, DIS-SOLVED (UG/L AS Ag)	STRON-TIUM, DIS-SOLVED (UG/L AS Sr)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992 05...	530	<4	160	<10	4	<1	<1	34	<6	18	25	88
FEB 1993 10...	230	<4	220	<10	2	<1	<1	52	<6	35	190	100
APR 05...	210	<4	170	<10	2	<1	<1	17	<6	285	7300	98
JUL 12...	250	<4	68	<10	1	<1	<1	57	<6	17	50	94

< 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

073802311 BAYOU LABRANCH AT FALL CANAL NEAR KENNER, LA

LOCATION.--Lat 30° 02' 00" , long 90° 21' 36" , St. Charles Parish, Hydrologic Unit 08090301, on a 3 pile platform 5.0 mi east of Laplace.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 8.319 ft. below sea level (levels determined by Global Positioning System).

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.39 ft, Oct. 3, 1992; minimum, 7.81 ft, Apr. 2, 1993.

EXTREMES FOR CURRENT PERIOD.--May to September 1992: Maximum gage height recorded during period, 11.35 ft, Aug. 26; minimum gage height recorded during period, 7.92 ft, July 7.

Water year 1993: Maximum gage height, 11.39 ft, Oct. 3; minimum gage height, 7.81 ft, Apr. 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	9.55	---	9.95
2	---	---	---	---	---	---	---	---	---	---	---	9.86
3	---	---	---	---	---	---	---	---	---	9.38	---	9.75
4	---	---	---	---	---	---	---	---	---	9.20	---	9.71
5	---	---	---	---	---	---	---	---	---	8.78	---	9.76
6	---	---	---	---	---	---	---	---	---	8.28	---	9.88
7	---	---	---	---	---	---	---	---	---	8.25	9.00	9.92
8	---	---	---	---	---	---	---	---	---	8.31	9.05	9.89
9	---	---	---	---	---	---	---	---	---	8.26	9.15	9.82
10	---	---	---	---	---	---	---	---	---	8.28	9.19	9.72
11	---	---	---	---	---	---	---	---	---	8.32	9.35	9.67
12	---	---	---	---	---	---	---	---	---	8.41	9.54	9.76
13	---	---	---	---	---	---	---	---	---	8.58	9.66	9.77
14	---	---	---	---	---	---	---	---	---	8.72	9.66	9.98
15	---	---	---	---	---	---	---	---	---	8.71	9.62	10.34
16	---	---	---	---	---	---	---	---	---	8.73	9.58	10.73
17	---	---	---	---	---	---	---	---	---	8.90	9.61	10.71
18	---	---	---	---	---	---	---	---	---	---	9.67	10.44
19	---	---	---	---	---	---	---	---	---	---	9.55	10.20
20	---	---	---	---	---	---	---	---	---	---	9.40	10.03
21	---	---	---	---	---	---	---	---	---	---	9.32	9.91
22	---	---	---	---	---	---	---	---	---	---	9.35	9.81
23	---	---	---	---	---	---	---	---	---	---	9.44	9.75
24	---	---	---	---	---	---	---	---	---	---	9.57	9.83
25	---	---	---	---	---	---	---	---	---	---	9.99	10.09
26	---	---	---	---	---	---	---	---	9.54	---	11.26	10.75
27	---	---	---	---	---	---	---	---	9.27	---	11.05	11.11
28	---	---	---	---	---	---	---	---	9.40	---	10.64	10.94
29	---	---	---	---	---	---	---	---	9.48	---	10.42	10.82
30	---	---	---	---	---	---	---	---	9.63	---	10.19	10.66
31	---	---	---	---	---	---	---	---	---	---	10.02	---
MAX	---	---	---	---	---	---	---	---	9.63	9.55	11.26	11.11
MIN	---	---	---	---	---	---	---	---	9.27	8.25	9.00	9.67

MISSISSIPPI RIVER DELTA

073802311 BAYOU LABRANCH AT FALL CANAL NEAR KENNER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.68	9.62	9.19	9.21	9.07	9.38	8.36	10.39	9.55	8.86	8.96	---
2	10.95	9.61	9.14	9.18	9.08	9.50	8.07	10.64	9.45	8.69	8.99	9.60
3	11.27	9.60	9.32	9.43	9.51	9.58	8.72	10.52	9.25	8.73	9.13	9.63
4	11.16	9.97	9.46	9.84	9.77	9.37	9.64	10.31	9.04	8.91	9.20	9.36
5	10.84	9.95	9.49	9.89	9.79	8.88	9.74	10.15	8.99	8.95	9.10	9.41
6	10.55	9.75	9.63	9.82	9.74	8.61	9.61	10.01	8.94	9.02	8.82	9.58
7	10.39	9.68	9.71	9.80	9.45	8.57	9.65	9.87	8.91	8.99	8.73	9.63
8	10.26	9.78	9.60	9.82	9.22	8.30	10.01	9.79	8.95	8.89	8.75	9.66
9	10.13	9.97	9.68	9.82	9.04	8.19	10.13	9.87	9.08	9.08	8.88	9.65
10	10.01	10.16	9.71	9.93	9.36	8.28	9.98	9.96	9.15	9.13	8.98	9.52
11	10.00	10.47	9.43	10.15	9.71	7.84	9.75	9.95	9.13	9.01	9.13	9.39
12	9.86	10.63	9.19	10.17	9.49	8.73	9.56	9.83	9.06	8.95	9.24	9.35
13	9.67	10.49	9.18	9.89	9.04	9.32	9.49	9.56	8.87	8.97	9.27	9.46
14	9.57	10.28	9.48	9.76	8.81	9.15	9.61	9.28	8.87	9.02	9.07	9.65
15	9.66	9.99	9.88	9.86	8.97	8.93	9.73	9.17	9.13	9.10	8.69	9.79
16	9.74	9.79	10.01	9.83	9.32	9.30	9.46	9.08	9.26	9.09	8.70	9.81
17	9.80	9.78	10.08	9.65	9.46	9.69	9.26	8.96	9.54	9.03	8.83	9.83
18	9.86	9.92	10.01	9.50	9.38	9.74	9.05	8.93	9.95	8.98	8.99	9.94
19	9.91	10.01	9.97	9.48	9.20	9.64	9.03	8.95	10.38	8.96	8.91	10.05
20	9.98	10.34	9.93	9.75	9.15	9.82	9.29	9.19	10.56	8.84	8.76	10.03
21	10.12	10.58	9.83	9.94	9.05	9.92	9.32	9.40	10.61	8.90	8.57	9.98
22	10.24	10.51	9.71	9.98	9.10	9.79	9.10	9.53	10.49	9.09	8.47	9.92
23	10.11	10.36	9.61	9.97	9.40	9.56	8.77	9.55	10.34	8.89	8.32	9.83
24	9.95	10.63	9.57	10.00	9.58	9.34	8.86	9.65	10.20	8.70	8.38	9.64
25	9.84	10.56	9.60	10.22	9.78	9.30	9.20	9.85	10.14	8.66	8.81	9.41
26	9.75	10.28	9.68	10.24	9.79	9.34	9.41	9.93	9.94	8.71	9.22	9.23
27	9.69	10.03	9.76	10.06	9.73	9.09	9.60	10.02	9.76	8.72	9.39	9.25
28	9.61	9.78	9.88	9.79	9.53	---	9.75	10.10	9.62	8.71	9.35	9.36
29	9.60	9.59	9.79	9.60	---	---	9.90	10.06	9.44	8.84	9.24	9.49
30	9.57	9.38	9.55	9.59	---	---	10.11	9.86	9.16	8.90	9.17	9.70
31	9.56	---	9.34	9.35	---	8.84	---	9.68	---	8.93	9.25	---
MAX	11.27	10.63	10.08	10.24	9.79	9.92	10.13	10.64	10.61	9.13	9.39	10.05
MIN	9.56	9.38	9.14	9.18	8.81	7.84	8.07	8.93	8.87	8.66	8.32	9.23

WATER QUALITY RECORDS

WATER TEMPERATURE: Maximum daily, 33.7°C, Aug. 19, 1993; minimum daily, 8.7° C, Mar. 14, 1993.

[illegible]

MISSISSIPPI RIVER DELTA

073802311 BAYOU LABRANCH AT FALL CANAL NEAR KENNER, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7420	5320	1350	2080	2920	2560	1670	1790	1570	3620	3650	---
2	8960	4910	1030	1460	2490	2040	1840	814	1790	3450	2730	5680
3	9140	3580	666	2970	2250	974	1320	1450	1910	3400	3110	5430
4	9210	2790	1360	4280	3030	1180	1160	1840	1800	2450	2640	5780
5	8610	1950	2280	3500	3090	2000	1090	1760	1880	2200	1820	5300
6	7990	2270	2660	1800	2490	2130	1230	1880	1900	2340	1910	5510
7	7420	2180	4320	2030	2720	2330	1320	1890	1860	2580	1590	5280
8	6930	1030	2100	1240	2780	2590	1300	1570	1810	2480	1570	5150
9	6240	5850	2840	1370	2960	2840	1270	1570	1810	2900	2100	5060
10	5680	6850	1280	2190	2510	2790	1580	1630	2040	2930	2760	5400
11	5510	6990	1970	2940	1990	1830	1670	907	2300	2400	3460	5330
12	5260	6630	2020	3050	1670	1670	1570	1530	2240	2360	3810	5290
13	5400	5350	1260	2350	2320	1380	1230	1830	2190	1950	3870	4920
14	4250	5410	3030	2140	2430	1580	1430	1950	2210	1740	3920	4490
15	5300	4450	4680	531	2010	1690	907	1750	2540	1580	3290	4410
16	6360	3750	2460	971	1590	1180	1080	1850	3110	1550	3040	4140
17	6340	2050	1490	1950	1880	987	1300	1850	3850	1660	3560	4130
18	6810	3950	2140	2430	1460	589	1500	1500	3760	1800	3950	4820
19	7200	3740	1570	1430	1600	1420	1220	1130	3480	1890	4080	4820
20	7450	8250	1220	1630	1800	1310	905	659	3340	2000	3550	4810
21	7730	7590	1490	2520	2060	2130	664	1040	2930	1850	3010	4840
22	8100	5390	1530	2550	1710	1620	866	1480	2900	1090	2690	4690
23	7840	5250	1150	2260	2120	1670	1100	1650	2930	1410	2700	4300
24	7490	4300	1100	2620	2300	1500	1140	1580	3440	1700	2710	4670
25	6540	3490	838	3710	2850	1210	1030	1330	3680	1340	3800	4630
26	5940	2110	3100	3300	2710	1040	1050	1240	3580	1270	5610	4090
27	5820	1270	3380	3270	2490	1190	1700	1790	3470	1350	6410	3230
28	5910	1070	4240	3140	2410	1360	2370	1920	3410	1440	6720	4090
29	5850	1050	3650	2930	---	---	2630	1840	3560	2210	6400	4610
30	5730	1190	2600	1960	---	---	2120	1830	3590	3150	6010	6220
31	5560	---	2140	2910	---	1620	---	1710	---	3420	5810	---
MEAN	6770	4000	2160	2370	2310	1670	1380	1570	2700	2180	3620	4870
MAX	9210	8250	4680	4280	3090	2840	2630	1950	3850	3620	6720	6220
MIN	4250	1030	666	531	1460	589	664	659	1570	1090	1570	3230

MISSISSIPPI RIVER DELTA

073802312 PIPELINE CANAL AT LABRANCH WETLAND NEAR KENNER, LA

LOCATION.--Lat 30°01' 32", long 90°10' 50" T. 12 S., R. 9 E., St. Charles Parish, Hydrologic Unit 08090301, on a 3 pile platform 5.0 mi east of Laplace.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 7.78 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.83 ft, Aug. 26, 1992; Minimum, 7.50 ft, Mar. 10, 1993.

EXTREMES FOR CURRENT PERIOD.--May to September 1992: Maximum gage height recorded during period, 11.83 ft, Aug. 26; minimum gage height recorded during period 8.63 ft, July 10, but may have been lesser during the periods of missing record.

Water year 1993: Maximum gage height, 10.99 ft, Oct. 3; minimum gage height 7.50 ft, Mar. 10, but may have been lesser during the periods of missing record.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	9.05	10.25
2	---	---	---	---	---	---	---	---	---	---	9.15	10.16
3	---	---	---	---	---	---	---	---	---	---	9.12	10.08
4	---	---	---	---	---	---	---	---	---	---	9.18	9.43
5	---	---	---	---	---	---	---	---	---	---	9.25	9.18
6	---	---	---	---	---	---	---	---	---	---	9.24	9.32
7	---	---	---	---	---	---	---	---	---	---	9.25	9.36
8	---	---	---	---	---	---	---	---	---	---	9.38	9.33
9	---	---	---	---	---	---	---	---	---	---	9.51	9.24
10	---	---	---	---	---	---	---	---	---	8.73	9.56	9.13
11	---	---	---	---	---	---	---	---	---	8.77	9.69	9.09
12	---	---	---	---	---	---	---	---	---	8.82	9.88	9.21
13	---	---	---	---	---	---	---	---	---	8.96	10.04	9.20
14	---	---	---	---	---	---	---	---	---	9.11	10.02	9.51
15	---	---	---	---	---	---	---	---	9.50	9.14	9.99	10.00
16	---	---	---	---	---	---	---	---	9.61	---	9.95	10.29
17	---	---	---	---	---	---	---	---	9.67	---	9.97	10.13
18	---	---	---	---	---	---	---	---	9.74	9.52	10.03	9.81
19	---	---	---	---	---	---	---	---	9.53	9.57	9.91	9.55
20	---	---	---	---	---	---	---	---	9.35	---	9.76	9.36
21	---	---	---	---	---	---	---	---	9.40	---	9.67	9.26
22	---	---	---	---	---	---	---	---	9.61	9.71	9.71	9.18
23	---	---	---	---	---	---	---	---	9.72	9.80	9.79	9.16
24	---	---	---	---	---	---	---	---	9.68	9.98	9.93	9.24
25	---	---	---	---	---	---	---	---	9.60	10.07	10.32	9.60
26	---	---	---	---	---	---	---	---	---	10.01	11.58	10.43
27	---	---	---	---	---	---	---	---	---	9.78	11.39	10.61
28	---	---	---	---	---	---	---	---	---	9.43	10.90	10.37
29	---	---	---	---	---	---	---	---	---	9.15	10.70	10.22
30	---	---	---	---	---	---	---	---	---	9.03	10.45	10.03
31	---	---	---	---	---	---	---	---	---	9.02	10.31	---
MAX	---	---	---	---	---	---	---	---	9.74	10.07	11.58	10.61
MIN	---	---	---	---	---	---	---	---	9.35	8.73	9.05	9.09

MISSISSIPPI RIVER DELTA

073802312 PIPELINE CANAL AT LABRANCH WETLAND NEAR KENNER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.10	9.04	8.43	8.44	8.29	8.55	7.97	9.78	8.90	8.14	8.37	8.83
2	10.47	9.03	8.51	8.45	8.28	8.74	7.64	10.08	8.77	8.06	8.37	9.19
3	10.85	8.99	8.66	8.69	8.78	8.86	7.91	9.74	8.57	8.08	8.51	9.03
4	10.56	9.51	8.86	9.19	9.19	8.70	9.27	9.39	8.40	8.26	8.55	8.65
5	10.11	9.36	8.89	9.24	9.12	8.25	9.22	9.30	8.35	8.29	8.42	8.86
6	9.79	9.02	9.01	9.06	9.13	7.98	8.82	9.21	8.30	8.37	8.18	9.05
7	9.72	8.94	9.15	9.00	8.73	7.93	8.86	9.02	8.26	8.36	8.10	9.05
8	9.61	9.14	8.95	9.05	8.43	7.71	9.59	---	8.30	8.26	8.12	9.11
9	9.49	9.43	9.03	9.01	8.27	7.57	9.65	---	8.42	8.45	8.24	9.07
10	9.35	9.67	9.13	9.17	8.57	7.60	9.03	---	8.51	8.48	8.36	8.85
11	9.47	10.10	8.76	9.54	9.04	7.86	8.76	---	8.49	8.33	8.54	8.73
12	9.21	10.15	8.48	9.37	8.78	8.87	8.70	9.11	8.44	8.28	8.65	8.70
13	9.00	9.83	8.47	8.99	8.30	9.23	8.73	8.81	8.26	8.28	8.66	8.86
14	8.93	9.42	8.83	8.81	8.07	8.38	8.91	8.48	8.21	8.29	8.43	9.15
15	9.10	9.08	9.35	9.01	8.20	8.07	9.23	8.51	8.50	---	8.10	9.28
16	9.22	8.96	9.37	9.00	8.59	8.50	8.75	8.43	8.66	---	8.09	9.22
17	9.28	9.11	9.39	8.72	8.78	9.16	8.40	8.32	9.01	---	8.21	9.24
18	9.34	9.37	9.20	8.57	8.72	9.02	8.30	8.30	9.78	---	8.39	9.40
19	9.35	9.42	9.22	8.64	8.44	8.71	8.33	8.32	10.16	---	8.29	9.47
20	9.46	9.86	9.20	8.95	8.43	9.17	8.69	8.59	10.14	---	8.17	9.42
21	9.61	10.06	9.07	9.30	8.33	9.25	8.81	8.82	9.99	8.24	7.98	9.36
22	9.74	9.91	8.92	9.26	8.37	8.97	8.43	8.92	9.72	8.31	7.89	9.28
23	9.51	9.65	8.84	9.18	8.71	8.73	8.12	8.88	9.50	8.11	7.76	9.17
24	9.34	10.00	8.84	9.34	8.83	8.50	8.17	9.09	---	7.97	7.75	8.93
25	9.24	9.90	8.88	9.66	9.14	8.57	8.58	9.33	9.26	7.99	8.14	8.70
26	9.17	9.56	9.00	9.62	9.25	8.70	8.89	9.35	8.99	8.06	8.74	8.60
27	9.11	9.16	9.10	9.16	9.01	8.42	9.01	9.41	8.80	8.07	8.86	8.73
28	9.05	8.87	9.21	8.67	8.69	8.22	9.16	9.49	8.73	8.08	8.74	8.76
29	9.04	8.71	9.03	8.55	---	8.23	9.37	9.39	8.60	8.21	8.60	8.92
30	8.99	8.56	8.68	8.75	---	8.38	9.60	9.09	8.36	8.31	8.56	9.21
31	8.98	---	8.53	8.53	---	8.39	---	8.93	---	8.33	8.67	---
MAX	10.85	10.15	9.39	9.66	9.25	9.25	9.65	10.08	10.16	8.48	8.86	9.47
MIN	8.93	8.56	8.43	8.44	8.07	7.57	7.64	8.30	8.21	7.97	7.75	8.60

MISSISSIPPI RIVER DELTA

073802312 PIPELINE CANAL AT LABRANCH WETLAND NEAR KENNER, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7450	5690	1080	1200	1790	---	1530	2890	2640	3200	---	6110
2	8830	5060	1160	1180	1640	---	1510	2570	2610	3210	---	6830
3	8920	4680	1280	1790	2260	---	1650	2290	2680	3310	---	6350
4	8740	4680	1870	3950	2910	---	1430	2240	2700	3060	---	5710
5	8550	2990	1580	3170	2870	---	1550	2130	2790	2700	3800	5810
6	7770	2570	2330	2220	2740	---	1450	2020	2830	3020	2170	5990
7	6880	2400	2960	1890	2410	---	1460	1970	2880	3270	2140	5810
8	6370	2340	1450	1660	2370	---	1500	---	2870	3030	2230	5770
9	5580	3840	1750	1530	2300	---	1460	---	2280	3310	2430	5820
10	5510	5440	1990	1920	2310	---	1490	---	1850	3270	2740	5310
11	5640	6020	1350	2590	2810	---	1390	---	2260	2670	3400	5230
12	4970	5950	1290	2310	2400	---	1310	2260	2230	2530	4120	5460
13	4890	4030	1330	1590	2090	---	1260	2200	2410	2140	4200	5620
14	4730	4000	2150	1350	1930	---	1450	2270	2430	2250	3860	5510
15	5150	3540	4460	1000	2080	---	1440	2240	2740	---	3140	5350
16	5440	3010	3720	1180	2430	---	1220	2220	3400	---	2810	4900
17	5690	2480	2130	1280	2430	---	1190	2300	4260	---	3330	4530
18	6640	2870	1540	1310	2350	---	1220	2360	3630	---	3710	4940
19	6820	3830	1630	1290	2250	---	1370	2390	4070	---	3750	4890
20	7230	6530	1660	1580	2390	---	1590	2470	4350	---	3260	4790
21	7740	6150	1520	3250	2470	---	1540	2300	4410	---	2820	4660
22	7910	4180	1480	3740	2490	---	1530	2280	4220	---	2910	4710
23	7360	3170	1390	3000	2600	---	1570	2520	3970	---	3020	4790
24	6630	2840	1130	2590	2590	---	1700	2620	---	---	3140	4680
25	6260	2330	1120	2880	1970	---	2000	2880	3000	---	3920	4830
26	6170	1750	1150	3010	---	---	2130	2890	2960	---	6000	4890
27	5960	1720	1610	2130	---	---	2010	2920	2850	---	6180	4860
28	5820	1360	2350	2200	---	---	2350	2800	2760	---	6100	4760
29	5870	1290	1910	1890	---	---	2860	2790	2970	---	5660	4870
30	5650	1220	1430	1720	---	---	3290	2760	3060	---	5480	5330
31	5660	---	1260	1750	---	---	---	2750	---	---	5840	---
MEAN	6540	3600	1780	2070	2360	---	1650	2460	3040	---	3780	5300
MAX	8920	6530	4460	3950	2910	---	3290	2920	4410	---	6180	6830
MIN	4730	1220	1080	1000	1640	---	1190	1970	1850	---	2140	4530

MISSISSIPPI RIVER DELTA

211

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA

LOCATION.-- Lat. 30° 09' 59", long 89° 43' 03", sec. 37, T. 10 S, R. 15 E, St. Tammany Parish, Hydrologic Unit 08090201, on the east side of U.S. Coast Guard Navigational Aid No. 4 structure, located on the north side of Bayou Rigolets and 0.8 miles east of U.S. Hwy 90 bridge over Bayou Rigolets.

DRAINAGE AREA.-- Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.-- Data logger collecting elevation, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.-- Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.-- Maximum elevation, 3.47 ft Oct. 3, 1992; minimum elevation, -4.91 ft Aug. 26, 1992.

EXTREMES FOR CURRENT PERIOD.-- July to Sept. 1992: Maximum elevation during period, 3.41 ft Aug. 26; minimum, -4.91 ft, Aug. 26.

Water year 1993: Maximum elevation, 3.47 ft, Oct. 3, 1992; minimum elevation, -1.25 ft, Mar. 15.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.09	1.02
2	---	---	---	---	---	---	---	---	---	---	.13	.93
3	---	---	---	---	---	---	---	---	---	---	.05	.61
4	---	---	---	---	---	---	---	---	---	---	.18	.89
5	---	---	---	---	---	---	---	---	---	---	.15	1.12
6	---	---	---	---	---	---	---	---	---	---	.16	1.24
7	---	---	---	---	---	---	---	---	---	---	.22	1.15
8	---	---	---	---	---	---	---	---	---	---	.35	1.13
9	---	---	---	---	---	---	---	---	---	---	.41	1.04
10	---	---	---	---	---	---	---	---	---	---	.49	.98
11	---	---	---	---	---	---	---	---	---	---	.64	.96
12	---	---	---	---	---	---	---	---	---	---	.80	1.20
13	---	---	---	---	---	---	---	---	---	---	.87	1.15
14	---	---	---	---	---	---	---	---	---	---	.75	1.56
15	---	---	---	---	---	---	---	---	---	---	.58	2.09
16	---	---	---	---	---	---	---	---	---	---	.77	2.22
17	---	---	---	---	---	---	---	---	---	---	.88	1.68
18	---	---	---	---	---	---	---	---	---	---	.75	1.35
19	---	---	---	---	---	---	---	---	---	---	.54	1.12
20	---	---	---	---	---	---	---	---	---	---	.48	1.06
21	---	---	---	---	---	---	---	---	---	---	.43	1.07
22	---	---	---	---	---	---	---	---	---	---	.57	.99
23	---	---	---	---	---	---	---	---	---	---	.70	1.07
24	---	---	---	---	---	---	---	---	---	.83	.79	1.37
25	---	---	---	---	---	---	---	---	---	.77	-.72	2.04
26	---	---	---	---	---	---	---	---	---	.71	-.49	2.73
27	---	---	---	---	---	---	---	---	---	.48	1.48	2.25
28	---	---	---	---	---	---	---	---	---	.03	1.31	1.92
29	---	---	---	---	---	---	---	---	---	-.04	1.40	1.85
30	---	---	---	---	---	---	---	---	---	-.04	1.17	2.07
31	---	---	---	---	---	---	---	---	---	-.01	1.10	---
MAX	---	---	---	---	---	---	---	---	---	.83	1.48	2.73
MIN	---	---	---	---	---	---	---	---	---	-.04	-.72	.61

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.48	.83	1.56	.23	-.10	.24	-.52	1.48	.71	.17	.58	.94
2	2.79	.74	1.54	.31	.52	.50	-.10	1.78	.63	.27	.68	1.33
3	2.96	.99	2.17	.77	1.09	.70	.22	1.35	.42	.19	.71	1.00
4	2.40	1.65	1.42	1.27	1.16	.10	1.04	1.00	.32	.53	.63	.69
5	1.74	1.74	1.86	.70	1.13	-.25	.71	.90	.25	.42	.52	.92
6	1.88	1.79	2.09	.34	1.03	-.04	.67	.81	.22	.51	.32	.95
7	1.99	1.74	1.80	.37	.40	-.15	.64	.70	.32	.36	.30	.95
8	1.73	2.00	2.12	.43	.23	-.49	1.44	.71	.36	.33	.34	1.02
9	1.64	2.03	2.06	.40	.25	-.49	1.11	1.03	.49	.64	.45	.97
10	1.64	1.93	1.46	.66	.44	-.42	.57	1.19	.48	.47	.61	.64
11	1.51	2.26	1.38	1.15	.77	-.05	.30	1.03	.36	.36	.73	.58
12	1.63	1.64	1.46	.67	.02	1.09	.44	1.00	.27	.38	.84	.70
13	1.11	1.89	1.52	.11	-.08	.32	.52	.38	.11	.39	.78	.91
14	.92	1.76	1.79	.14	-.16	-.06	1.01	.38	.22	.34	.48	1.27
15	.80	1.37	2.02	.49	-.02	-.57	.89	.46	.58	.48	.20	1.15
16	.80	1.67	1.75	.33	.41	.77	.30	.39	.82	.52	.35	1.18
17	1.08	1.96	.80	.02	1.00	.85	.24	.30	1.17	.49	.53	1.16
18	1.15	1.87	.83	.04	.93	.61	.08	.34	1.67	.50	.63	1.25
19	1.48	1.69	.91	.12	.87	.18	.37	.29	1.83	.44	.49	1.26
20	1.65	2.04	.75	.73	.06	.83	.66	.54	1.86	.30	.28	1.18
21	1.79	1.55	.59	.93	.09	.61	.56	.62	1.60	.40	.27	1.13
22	1.79	1.66	.51	.76	.15	.56	.34	.71	1.40	.39	-.04	1.06
23	1.38	1.86	.49	.83	.74	.25	.00	.70	1.15	.18	-.05	.90
24	1.12	1.69	.41	.93	.80	.31	.20	1.17	1.14	.22	.11	.71
25	.89	1.83	.70	1.73	.86	.47	.66	1.31	1.01	.26	.50	.63
26	.82	2.00	.77	1.42	1.00	.47	.58	1.13	.77	.26	.97	.66
27	.72	1.92	1.10	.82	1.03	.24	.81	1.13	.68	.27	.95	.61
28	.63	2.00	1.05	.30	.49	.12	.85	1.28	.67	.36	.92	.85
29	.65	1.99	.63	.68	---	.08	1.21	1.06	.53	.45	.74	.90
30	.56	1.50	.38	.97	---	.40	1.40	.81	.30	.51	.76	1.08
31	.61	---	.31	.68	---	.29	---	.63	---	.54	.79	---
MAX	2.96	2.26	2.17	1.73	1.16	1.09	1.44	1.78	1.86	.64	.97	1.33
MIN	.56	.74	.31	.02	-.16	-.57	-.52	.29	.11	.17	-.05	.58

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

WATER TEMPERATURE: July 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 33,400 microsiemens, Aug. 26, 1992; minimum daily, 5,300 microsiemens, Sept. 4, 1992.

WATER TEMPERATURE: Maximum daily, 32.3°C, Aug. 14, 1993; minimum daily, 8.5° C, Mar. 14, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	23.5	12.3	15.0	12.6	13.7	20.2	21.5	27.0	29.8	31.0	30.2
2	20.8	22.6	12.5	14.7	12.4	14.1	19.1	21.3	27.0	30.0	30.8	30.6
3	20.7	22.2	11.9	15.0	12.1	14.2	18.2	21.7	27.4	30.1	30.8	29.8
4	21.3	21.2	12.6	15.8	12.5	14.4	17.2	22.5	27.3	29.8	30.3	29.3
5	22.1	18.6	13.0	16.3	12.3	14.5	17.0	23.1	27.7	29.6	30.5	29.5
6	22.2	16.8	12.2	15.9	12.2	14.2	16.9	23.9	28.3	29.8	30.3	29.3
7	22.2	16.8	12.9	15.5	12.3	14.7	17.2	24.3	28.8	29.9	30.3	29.4
8	22.5	15.2	12.6	15.3	12.5	15.5	17.3	24.4	29.0	29.8	30.4	29.3
9	22.1	14.7	12.3	15.1	13.1	15.8	17.3	24.9	29.3	29.5	30.5	29.8
10	21.9	14.9	12.8	14.8	13.0	16.1	17.3	25.1	29.4	28.9	30.3	29.9
11	22.3	15.5	12.6	15.3	13.7	16.3	18.2	24.7	29.2	28.6	30.5	29.2
12	21.7	16.0	12.4	16.1	14.0	14.4	19.0	24.8	29.2	28.6	30.8	29.0
13	21.8	15.3	12.3	15.7	13.5	10.8	19.8	24.6	29.8	28.5	31.2	28.8
14	22.2	15.0	12.5	14.8	13.7	10.1	20.4	24.2	29.8	28.7	31.4	28.9
15	22.9	14.8	13.3	13.8	14.2	10.4	20.4	24.5	29.4	29.3	30.7	28.4
16	23.0	14.7	13.4	13.0	14.9	10.6	19.4	24.8	29.7	29.5	30.5	28.2
17	22.6	14.7	13.6	12.8	14.0	11.5	19.3	25.4	29.6	29.8	30.9	28.3
18	22.2	15.0	13.1	13.0	13.1	12.2	19.4	25.5	28.7	30.2	31.2	28.4
19	21.2	15.4	13.1	13.5	12.4	12.9	19.7	25.6	28.3	30.4	30.8	28.7
20	20.6	16.1	13.6	14.2	13.0	12.7	20.4	25.0	27.8	30.4	29.9	29.2
21	20.6	16.9	14.4	14.9	13.8	13.6	20.0	24.3	27.8	29.9	30.2	29.7
22	21.0	17.4	15.0	15.4	14.5	14.8	19.6	23.9	27.7	29.2	30.1	30.1
23	21.5	16.3	15.4	16.0	14.2	15.9	19.4	23.6	27.5	29.6	30.5	30.5
24	21.6	16.9	15.4	16.0	14.0	16.1	19.8	23.8	27.5	29.4	30.2	30.3
25	22.0	17.0	15.0	14.4	13.9	16.9	20.7	24.3	28.0	29.0	29.9	30.1
26	22.5	15.8	14.7	13.3	14.4	17.2	21.3	24.4	28.6	29.6	29.8	29.9
27	22.8	14.4	14.5	12.5	13.6	17.1	21.3	24.5	28.8	30.0	29.9	29.0
28	23.2	13.2	14.6	12.6	13.8	17.9	21.4	25.2	28.8	30.6	30.1	27.0
29	23.6	12.7	15.1	12.5	---	18.6	21.3	26.0	29.4	30.3	30.2	25.6
30	23.5	12.7	15.1	12.2	---	19.8	21.5	27.0	29.9	30.1	30.2	25.4
31	23.8	---	14.9	12.4	---	20.5	---	27.3	---	30.7	30.0	---
MEAN	22.1	16.4	13.5	14.4	13.3	14.8	19.3	24.4	28.6	29.7	30.5	29.1
MAX	23.8	23.5	15.4	16.3	14.9	20.5	21.5	27.3	29.9	30.7	31.4	30.6
MIN	20.6	12.7	11.9	12.2	12.1	10.1	16.9	21.3	27.0	28.5	29.8	25.4

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9440	10200	5140	5970	4780	3720	4660	4100	6500	4740	8190	16100
2	13100	9400	4830	5400	3670	2750	3940	5470	6440	4320	8380	20900
3	16200	9300	3580	3720	2520	2770	2840	3850	5960	4040	9490	15100
4	12800	9040	4160	4130	2680	3900	9330	4190	5580	3990	9160	10100
5	8250	7620	4280	4520	2700	4460	6150	3990	5550	4020	7390	13100
6	7600	7600	3650	4830	2920	3870	3260	4180	5530	4070	6290	15400
7	8380	7350	4720	4810	4050	3490	3580	3840	5420	4100	5950	14600
8	7680	7300	4370	4690	4110	4450	6280	3410	5340	4180	6150	17900
9	7510	7080	4460	4730	4290	4440	5510	2880	5460	3500	6750	17500
10	7470	7430	5160	4330	2900	3840	3570	2960	5560	3780	8310	14300
11	8050	12300	5800	4130	2810	5870	3760	3190	5530	4060	11000	12500
12	7900	10200	5540	4990	3700	---	3370	3450	5590	4010	12100	13900
13	7900	7130	4650	6030	4730	6630	3080	4050	5620	3880	11900	16300
14	7810	6330	4220	5920	4400	4330	2230	3600	5200	3930	9960	19800
15	9360	6520	6540	4970	3610	3920	2610	3160	6080	4080	7200	18900
16	10100	5500	5000	5290	3610	8670	4440	3270	7010	4300	7980	16800
17	10500	5280	4790	5510	3620	9760	4220	3460	12200	4250	9850	17600
18	10500	6410	4940	4940	3850	8030	4090	2940	20100	4130	11400	17600
19	10200	5930	4610	4110	3720	5950	2430	3230	21100	4040	10100	18300
20	11700	9550	4950	3590	3540	8160	2290	5820	20100	4080	8540	17800
21	12800	9060	5460	3590	3330	7110	3580	7650	15100	3870	6740	17600
22	12600	8650	5310	4680	3750	6170	4020	8240	9320	3620	6380	17100
23	10700	6900	5130	5630	2810	5290	3500	8380	6550	4580	5480	16200
24	10100	7030	5480	5310	3290	4480	2430	10200	6190	4300	6450	13500
25	9930	6540	4150	3780	4980	3980	2020	10900	6030	3360	13300	12400
26	10500	6240	4010	5140	4290	4630	2220	10200	5180	3190	17100	12300
27	10500	6190	3620	5120	3630	5090	2120	10100	5100	3070	17200	12200
28	10400	5690	3590	5110	4090	4180	2360	10400	4830	4290	17700	12200
29	10800	5270	4670	4660	---	3840	3060	9910	5160	5880	16400	12900
30	10400	5490	5880	4290	---	3330	3660	7820	5250	6820	15400	15100
31	10300	---	5850	4910	---	3710	---	6890	---	7550	15900	---
MEAN	10000	7480	4790	4800	3660	5030	3690	5670	7820	4260	10100	15500
MAX	16200	12300	6540	6030	4980	9760	9330	10900	21100	7550	17700	20900
MIN	7470	5270	3580	3590	2520	2750	2020	2880	4830	3070	5480	10100

MISSISSIPPI RIVER DELTA

073802357 BS4-1 WHITES DITCH NEAR NAOMI, LA

LOCATION.--Lat 29° 43' 08" , long 89° 57' 29" , Plaquemines Parish, Hydrologic Unit 08090203, on a 3 pile platform 5 mi east of Naomi.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 10.54 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.68 ft, Oct. 3, 1992; minimum, 7.59 ft, Mar. 20, 1992.

EXTREMES FOR CURRENT PERIOD.--February to September 1992: Maximum gage height recorded during period, 11.58 ft, Aug. 26; minimum gage height recorded during period, 7.59 ft, Mar. 20.

Water year 1993: Maximum gage height, 11.68 ft, Oct. 3; minimum gage height recorded during period, 8.03 ft, Aug. 24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	8.06	8.46	8.76	9.23	9.24	8.73	9.73
2	---	---	---	---	---	8.24	8.58	8.68	9.37	---	8.65	9.59
3	---	---	---	---	---	8.62	8.76	8.49	9.49	9.08	8.59	9.48
4	---	---	---	---	---	9.04	8.68	8.49	9.26	8.91	8.67	9.44
5	---	---	---	---	---	9.47	8.58	8.69	9.22	8.64	8.82	9.49
6	---	---	---	---	---	9.88	9.23	8.67	9.26	8.36	8.86	9.59
7	---	---	---	---	---	9.73	9.36	8.80	9.31	8.28	8.88	9.66
8	---	---	---	---	---	9.51	9.24	8.60	9.39	8.29	8.98	9.69
9	---	---	---	---	---	9.46	9.24	8.31	9.31	8.32	9.07	9.66
10	---	---	---	---	---	9.36	9.31	8.42	9.17	8.38	9.08	9.58
11	---	---	---	---	---	8.97	9.36	8.56	9.11	8.42	9.20	9.50
12	---	---	---	---	---	8.88	9.33	8.56	9.18	8.52	9.33	9.53
13	---	---	---	---	---	8.64	9.13	8.35	9.08	8.69	9.36	9.55
14	---	---	---	---	---	8.53	9.15	8.41	9.11	8.75	9.35	9.73
15	---	---	---	---	---	8.13	9.28	8.61	9.03	8.75	9.34	10.05
16	---	---	---	---	---	8.52	9.44	8.85	9.08	8.70	9.32	10.48
17	---	---	---	---	---	8.95	9.61	9.13	9.17	8.84	9.36	10.60
18	---	---	---	---	---	8.92	9.82	9.27	9.22	8.87	9.37	10.39
19	---	---	---	---	---	8.48	10.03	9.31	9.00	8.95	9.24	10.15
20	---	---	---	---	---	7.86	10.19	9.37	8.92	8.99	9.14	9.95
21	---	---	---	---	---	8.28	10.18	9.45	8.98	9.11	9.11	9.82
22	---	---	---	---	---	8.91	9.97	9.50	9.15	9.10	9.15	9.67
23	---	---	---	---	---	8.94	9.87	9.49	9.15	9.19	9.22	9.54
24	---	---	---	---	---	8.97	9.71	9.22	9.13	9.35	9.33	9.56
25	---	---	---	---	---	9.03	9.29	9.03	9.15	9.46	9.63	9.80
26	---	---	---	---	---	8.89	9.01	8.94	9.15	9.45	11.01	10.61
27	---	---	---	---	8.61	8.68	8.78	8.95	9.19	9.33	11.21	10.93
28	---	---	---	---	8.38	8.71	8.57	9.16	9.24	9.06	10.75	10.76
29	---	---	---	---	8.04	9.02	8.56	9.08	9.29	8.83	10.40	10.56
30	---	---	---	---	---	8.93	8.73	9.02	9.33	8.80	10.12	10.43
31	---	---	---	---	---	8.63	---	9.11	---	8.77	9.87	---
MAX	---	---	---	---	8.61	9.88	10.19	9.50	9.49	9.46	11.21	10.93
MIN	---	---	---	---	8.04	7.86	8.46	8.31	8.92	8.28	8.59	9.44

MISSISSIPPI RIVER DELTA

073802357 BS4-1 WHITES DITCH NEAR NAOMI, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.46	9.41	8.76	8.99	9.40	9.45	9.08	10.13	9.37	8.62	8.69	9.15
2	10.81	9.46	8.89	9.05	9.35	9.55	8.94	10.40	9.29	8.50	8.75	9.31
3	11.47	9.46	9.04	9.23	9.52	9.62	9.11	10.38	9.11	8.57	8.87	9.35
4	11.35	9.76	9.08	9.54	9.69	9.53	9.65	10.19	8.93	8.72	8.86	9.19
5	10.89	9.67	9.08	9.61	9.73	9.32	9.71	10.07	8.84	8.70	8.73	9.17
6	10.49	9.31	9.32	9.60	9.72	9.19	9.58	10.02	8.80	8.77	8.64	9.25
7	10.24	9.21	9.33	9.62	9.58	9.15	9.59	9.94	8.79	8.73	8.59	9.28
8	10.05	9.36	9.26	9.73	9.43	9.00	9.87	9.88	8.80	8.68	8.58	9.35
9	9.88	9.54	9.33	9.69	9.34	8.92	10.05	9.95	8.86	8.92	8.65	9.38
10	9.77	9.68	9.29	9.66	9.47	8.92	9.84	10.07	8.90	8.84	8.75	9.31
11	9.72	10.12	8.96	9.89	9.68	9.02	9.34	10.09	8.92	8.75	8.92	9.22
12	9.58	10.32	8.80	9.79	9.62	9.51	9.05	9.97	8.91	8.75	9.00	9.25
13	9.47	10.12	8.90	9.52	9.39	9.63	8.98	9.83	8.80	8.84	9.03	9.36
14	9.42	9.87	9.14	9.40	9.25	9.20	9.14	9.55	8.73	8.87	8.90	9.49
15	9.48	9.58	9.42	9.58	9.28	9.04	9.30	9.13	9.00	8.86	8.65	9.59
16	9.53	9.41	9.61	9.55	9.39	9.43	8.84	9.00	9.13	8.86	8.54	9.55
17	9.54	9.46	9.73	9.35	9.42	9.65	8.72	8.88	9.36	8.84	8.65	9.63
18	9.56	9.63	9.63	9.19	9.40	9.61	8.71	8.83	9.72	8.84	8.86	9.76
19	9.58	9.69	9.65	9.26	9.29	9.53	8.81	8.73	10.13	8.84	8.75	9.86
20	9.69	9.97	9.59	9.68	9.26	9.62	8.98	8.86	10.40	8.66	8.70	9.89
21	9.80	10.17	9.44	9.74	9.21	9.70	9.13	9.15	10.41	8.61	8.52	9.89
22	9.99	10.17	9.30	9.64	9.20	9.66	9.25	9.27	10.26	8.64	8.37	9.84
23	9.96	9.99	9.23	9.50	9.42	9.53	9.23	9.35	10.11	8.48	8.21	9.76
24	9.80	10.10	9.18	9.51	9.52	9.42	9.26	9.41	9.94	8.41	8.21	9.61
25	9.70	10.08	9.28	9.79	9.67	9.41	9.38	9.52	9.84	8.52	8.61	9.45
26	9.60	9.84	9.36	9.93	9.68	9.42	9.48	9.54	9.67	8.57	9.11	9.31
27	9.54	9.49	9.49	9.78	9.61	9.30	9.57	9.65	9.49	8.63	9.18	9.21
28	9.48	9.17	9.52	9.61	9.52	9.22	9.73	9.78	9.37	8.63	9.10	9.24
29	9.40	9.01	9.55	9.51	---	9.25	9.89	9.82	9.16	8.63	9.03	9.36
30	9.32	8.85	9.30	9.58	---	9.35	9.96	9.67	8.87	8.67	8.98	9.53
31	9.33	---	9.13	9.51	---	9.30	---	9.48	---	8.67	9.05	---
MAX	11.47	10.32	9.73	9.93	9.73	9.70	10.05	10.40	10.41	8.92	9.18	9.89
MIN	9.32	8.85	8.76	8.99	9.20	8.92	8.71	8.73	8.73	8.41	8.21	9.15

MISSISSIPPI RIVER DELTA

073802357 BS4-1 WHITES DITCH NEAR NAOMI, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

REMARKS.-- Low specific conductance values are due to diverted water from the Mississippi River.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 11,600 microsiemens, May 21, 1992; minimum daily, 309 microsiemens, Jan. 25, 1993.

WATER TEMPERATURE: Maximum daily, 34.4°C, June 30, 1993; minimum daily, 5.7°C, Mar. 7, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	27.0	29.4	27.6
2	---	---	---	---	---	---	---	---	---	---	28.0	28.2
3	---	---	---	---	---	---	---	---	---	30.3	30.3	28.6
4	---	---	---	---	---	---	---	---	27.4	31.3	30.4	28.1
5	---	---	---	---	---	---	---	---	28.5	31.6	31.0	29.0
6	---	---	---	---	---	---	---	---	29.3	31.5	30.5	28.9
7	---	---	---	---	---	---	---	---	29.6	31.2	29.7	28.4
8	---	---	---	---	---	---	---	---	29.0	31.2	29.6	28.1
9	---	---	---	---	---	---	---	---	28.1	30.8	30.1	28.5
10	---	---	---	---	---	---	---	---	28.1	31.1	29.9	28.9
11	---	---	---	---	---	---	---	---	28.6	31.5	29.4	29.4
12	---	---	---	---	---	---	---	---	27.3	31.9	29.4	29.5
13	---	---	---	---	---	---	---	---	28.7	31.5	28.7	28.9
14	---	---	---	---	---	---	---	---	27.3	30.4	28.4	28.6
15	---	---	---	---	---	---	---	---	29.1	27.8	27.9	27.2
16	---	---	---	---	---	---	---	---	29.6	27.0	26.9	25.9
17	---	---	---	---	---	---	---	---	30.0	28.5	26.8	25.2
18	---	---	---	---	---	---	---	---	30.5	28.8	27.3	26.7
19	---	---	---	---	---	---	---	---	31.4	29.0	26.9	27.6
20	---	---	---	---	---	---	---	---	30.4	29.3	26.2	27.9
21	---	---	---	---	---	---	---	---	30.4	29.3	27.1	28.5
22	---	---	---	---	---	---	---	---	30.2	28.3	27.5	28.5
23	---	---	---	---	---	---	---	---	29.6	29.0	26.9	27.6
24	---	---	---	---	---	---	---	---	29.8	28.5	28.7	25.7
25	---	---	---	---	---	---	---	---	30.1	27.7	28.2	25.2
26	---	---	---	---	---	---	---	---	30.3	28.8	25.7	24.2
27	---	---	---	---	---	---	---	---	30.4	31.4	26.7	24.0
28	---	---	---	---	---	---	---	---	30.5	31.9	27.9	24.3
29	---	---	---	---	---	---	---	---	30.2	32.3	27.5	23.4
30	---	---	---	---	---	---	---	---	27.8	32.0	27.6	21.8
31	---	---	---	---	---	---	---	---	---	31.5	27.4	---
MEAN	---	---	---	---	---	---	---	---	29.3	30.1	28.3	27.1
MAX	---	---	---	---	---	---	---	---	31.4	32.3	31.0	29.5
MIN	---	---	---	---	---	---	---	---	27.3	27.0	25.7	21.8

MISSISSIPPI RIVER DELTA

073802357 BS4-1 WHITES DITCH NEAR NAOMI, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.9	23.8	12.8	16.4	6.5	7.6	9.9	16.4	27.3	32.0	30.5	29.6
2	20.1	22.3	13.1	16.3	6.5	7.4	9.9	16.4	27.4	31.4	30.2	30.1
3	20.5	20.6	12.5	17.1	6.6	7.0	9.8	16.7	28.7	31.4	30.7	28.5
4	21.0	21.2	14.5	18.2	6.7	6.7	10.1	16.9	28.6	30.4	30.4	28.2
5	22.3	17.9	16.0	15.4	6.6	6.5	9.9	17.2	29.1	29.9	30.8	28.0
6	22.8	15.8	14.8	7.6	6.6	6.3	10.1	17.5	30.0	30.3	30.3	28.8
7	22.9	13.8	16.0	7.7	6.6	6.4	10.4	17.7	30.4	30.6	29.7	28.6
8	23.1	14.6	14.7	7.4	6.6	6.6	10.6	18.1	30.2	29.3	29.3	28.2
9	23.0	14.6	13.9	8.0	6.7	6.8	10.9	18.5	29.9	27.3	29.6	28.8
10	23.1	15.6	15.1	12.7	7.0	6.9	11.2	18.8	29.7	27.8	30.7	29.1
11	23.4	17.2	13.8	15.8	7.3	6.9	16.5	18.8	29.6	27.6	30.7	27.6
12	21.7	18.8	12.1	17.8	7.3	6.7	21.4	19.5	29.2	28.5	31.1	28.4
13	22.7	16.7	13.1	16.7	7.4	6.7	23.1	19.7	29.4	28.3	31.0	28.7
14	23.0	15.5	15.0	13.9	7.5	6.9	22.0	21.5	29.8	27.4	30.5	29.3
15	23.5	15.1	15.8	12.7	8.0	7.0	22.7	26.0	30.2	28.9	30.5	28.7
16	24.1	15.0	15.6	12.5	8.5	7.2	19.6	27.1	30.4	29.2	29.0	27.8
17	22.7	15.5	15.2	13.0	8.2	7.1	19.0	27.4	29.7	29.5	29.6	27.4
18	21.8	16.2	14.1	14.8	8.2	7.0	20.8	26.6	28.3	29.4	29.9	28.2
19	20.2	17.4	14.7	16.3	8.3	7.1	21.7	26.3	27.4	29.6	30.5	28.9
20	20.7	18.4	17.7	17.3	8.9	7.1	22.1	25.1	27.3	31.5	29.3	29.2
21	21.1	19.4	19.1	18.8	9.1	7.5	18.0	25.3	28.1	30.5	27.4	29.1
22	22.2	20.4	20.1	18.1	8.8	7.3	14.8	24.6	27.8	28.0	28.5	29.2
23	22.2	17.6	20.1	18.2	8.4	7.4	15.1	24.2	27.0	28.3	29.6	29.4
24	22.5	17.2	18.9	18.8	8.3	7.5	15.3	24.0	27.4	29.0	30.9	30.5
25	23.1	18.5	16.9	10.7	8.2	7.6	15.7	24.9	28.5	28.5	30.7	30.1
26	23.8	16.5	17.5	6.4	8.2	7.8	16.0	25.5	29.1	30.2	29.8	29.3
27	23.9	14.7	16.3	6.2	7.8	8.2	16.1	26.1	29.4	31.1	29.5	27.6
28	24.0	12.9	16.8	6.2	7.7	8.6	16.3	26.5	29.9	30.9	28.9	23.0
29	24.1	10.5	16.9	6.3	---	9.1	16.4	26.8	31.0	30.3	29.3	24.2
30	23.9	11.3	17.3	6.4	---	9.6	16.5	27.6	32.1	29.9	28.4	24.4
31	23.3	---	16.8	6.4	---	9.9	---	29.2	---	30.9	28.3	---
MEAN	22.5	16.8	15.7	12.9	7.6	7.4	15.7	22.5	29.1	29.6	29.9	28.3
MAX	24.1	23.8	20.1	18.8	9.1	9.9	23.1	29.2	32.1	32.0	31.1	30.5
MIN	20.1	10.5	12.1	6.2	6.5	6.3	9.8	16.4	27.0	27.3	27.4	23.0

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	---	---	---	---	---	3070	4010	6400	9140	6410	5420	5230
2	---	---	---	---	---	3410	4240	6640	9710	6410	5720	5290
3	---	---	---	---	---	3980	4350	6860	10400	6500	5910	5270
4	---	---	---	---	---	4300	4430	6870	9650	6530	6110	5220
5	---	---	---	---	---	4730	4440	6630	8970	6690	5310	5270
6	---	---	---	---	---	4850	5020	6470	8940	7110	4300	5150
7	---	---	---	---	---	4220	6810	5910	8850	7470	3760	5020
8	---	---	---	---	---	4050	6070	6520	8620	7800	3480	5000
9	---	---	---	---	---	3830	5840	6870	7960	7840	3460	4850
10	---	---	---	---	---	3650	5410	7120	7600	7990	3550	4830
11	---	---	---	---	---	3510	5220	7000	7830	8120	3570	4970
12	---	---	---	---	---	3580	5390	6910	7620	8100	4570	4960
13	---	---	---	---	---	3470	5210	7240	7520	7620	4070	4750
14	---	---	---	---	---	3240	5290	7340	6810	---	3900	5970
15	---	---	---	---	---	3430	4850	6610	6710	---	3790	9850
16	---	---	---	---	---	3450	5180	7140	6680	---	3900	10200
17	---	---	---	---	---	3520	7510	8990	6850	---	3860	8280
18	---	---	---	---	---	3800	8530	10200	6810	---	3690	8190
19	---	---	---	---	---	3580	9000	10200	6630	---	3550	7860
20	---	---	---	---	---	3360	8530	10000	7150	---	3460	7380
21	---	---	---	---	---	3500	7870	10100	7430	---	3570	7080
22	---	---	---	---	---	3540	7790	10400	7100	---	3600	6400
23	---	---	---	---	---	3460	7750	9440	6460	---	3560	6270
24	---	---	---	---	---	3420	7370	10100	6300	4640	3540	6030
25	---	---	---	---	---	3580	7090	10200	6190	4200	5810	6240
26	---	---	---	---	2360	3580	6890	10200	6250	4240	7110	7680
27	---	---	---	---	2740	3690	6670	10000	6280	4310	3910	5660
28	---	---	---	---	2660	3850	6600	9740	6390	4600	5070	5550
29	---	---	---	---	2850	3890	6320	9590	6690	4820	5590	5780
30	---	---	---	---	---	4240	6180	9440	6570	5030	5490	5650
31	---	---	---	---	---	4010	---	9490	---	5160	5230	---
MEAN	---	---	---	---	---	3740	6200	8280	7540	---	4450	6200
MAX	---	---	---	---	---	4850	9000	10400	10400	---	7110	10200
MIN	---	---	---	---	---	3070	4010	5910	6190	---	3460	4750

MISSISSIPPI RIVER DELTA

073802357 BS4-1 WHITES DITCH NEAR NAOMI, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6020	6620	2710	2920	336	386	349	364	4280	5300	3990	5220
2	6990	6630	3100	2870	340	385	348	366	4140	5170	3790	6380
3	5920	6240	2950	3130	344	383	347	369	4060	5220	3790	6160
4	4720	5030	3070	3760	348	382	346	371	3840	5150	4210	5160
5	5800	4610	3040	3060	352	381	345	374	3790	5300	4400	4940
6	6080	4250	3190	493	356	380	343	376	3800	5340	4360	4760
7	6200	3250	3510	375	360	379	342	378	3790	5370	4200	4600
8	6050	3820	3220	348	364	378	341	381	3780	5340	4150	4590
9	5740	4740	3230	377	368	376	340	383	3820	4790	4100	4700
10	5880	5480	3350	1150	372	375	339	386	3870	4720	3660	4690
11	5850	5950	3240	2800	376	374	338	388	3860	4600	3170	5010
12	5720	5730	3030	1670	380	373	337	390	3830	4600	3840	4940
13	5780	5120	3180	1510	384	372	858	393	3950	4390	4260	4430
14	5780	4400	3360	1660	388	371	1070	395	4140	4070	4230	5400
15	5870	4030	3650	1590	392	369	1590	398	3860	4220	3740	6990
16	6040	3680	3880	1590	396	368	1000	564	4960	4200	3610	6240
17	6180	3580	3090	1670	399	367	999	620	6260	4270	3720	5950
18	6300	3740	2680	1910	399	366	1160	666	7940	4050	3460	6720
19	6400	4520	2680	1820	398	365	1380	526	7740	3930	3860	7740
20	7720	4680	2750	1650	396	363	1760	618	7360	4280	3370	7480
21	8580	5160	2890	2240	395	362	980	1520	6630	4210	3560	6830
22	9060	4840	2870	1780	394	361	342	2190	6700	4070	3770	6820
23	9100	4240	2860	1660	393	360	345	2770	6610	4390	3900	7050
24	8750	4040	2830	1570	392	359	347	3080	6460	4190	4080	6990
25	8350	3830	2770	751	391	358	350	3360	6010	4160	3730	6700
26	8010	3580	2760	312	389	356	352	3730	5850	4360	5340	6370
27	7860	3600	2990	316	388	355	354	3850	5700	4470	6240	5560
28	7740	3130	3360	320	387	354	357	4290	5530	4480	5200	5480
29	7720	2620	3370	324	---	353	359	4580	5360	4370	5290	5360
30	7580	2670	3290	328	---	352	362	4600	5390	4240	5790	7260
31	7280	---	2970	332	---	351	---	4550	---	4180	5540	---
MEAN	6810	4460	3090	1490	378	368	603	1520	5110	4560	4200	5880
MAX	9100	6630	3880	3760	399	386	1760	4600	7940	5370	6240	7740
MIN	4720	2620	2680	312	336	351	337	364	3780	3930	3170	4430

073802376 LAREUSSITE CANAL NEAR NAOMI, LA

LOCATION.--Lat 29° 41' 14", long 90° 00' 59" T. 15 S, R. 12 E, Jefferson Parish, Hydrologic Unit 08090301, on a 3 pile platform 2.0 mi west southwest of Naomi.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 7.770 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.66 ft, Aug. 27, 1992; minimum, 6.86 ft, Feb. 19, 1993.

EXTREMES FOR CURRENT PERIOD.--February to September 1992: Maximum gage height recorded during period, 11.66 ft, Aug. 27; minimum gage height recorded during period 7.94 ft, May 7.

Water year 1993: Maximum gage height, 10.28 ft, June 20; minimum gage height 6.86 ft, Feb. 19.

GAGE HEIGHT (FEET ABOVE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	IAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	8.54	8.55	8.85	9.00	9.79	8.98	9.61
2	---	---	---	---	---	8.48	8.19	8.91	9.14	---	8.90	9.67
3	---	---	---	---	---	8.68	8.36	8.86	9.46	9.77	8.92	9.71
4	---	---	---	---	---	8.92	8.63	8.71	9.52	9.50	8.85	9.61
5	---	---	---	---	---	9.27	8.60	8.70	9.39	9.13	8.91	9.57
6	---	---	---	---	---	9.47	8.65	8.51	9.32	8.91	8.97	9.58
7	---	---	---	---	---	9.50	8.94	8.14	9.43	8.81	8.99	9.65
8	---	---	---	---	---	9.31	8.78	8.27	9.59	8.76	9.04	9.66
9	---	---	---	---	---	9.37	8.89	8.46	9.63	8.74	9.13	9.58
10	---	---	---	---	---	9.58	9.02	8.52	9.51	8.80	9.14	9.51
11	---	---	---	---	---	9.03	9.14	8.75	9.34	8.84	9.14	9.38
12	---	---	---	---	---	8.88	9.14	8.74	9.28	8.88	9.26	9.26
13	---	---	---	---	---	8.73	8.92	8.67	9.32	8.97	9.42	9.32
14	---	---	---	---	---	8.59	8.90	8.62	9.38	9.20	9.39	9.49
15	---	---	---	---	---	8.63	9.08	8.76	9.33	9.45	9.19	9.64
16	---	---	---	---	---	8.42	9.29	8.81	9.27	9.40	8.92	9.75
17	---	---	---	---	---	8.73	9.41	8.98	9.21	9.38	8.92	9.95
18	---	---	---	---	---	9.09	9.64	9.10	9.24	9.29	9.16	9.97
19	---	---	---	---	---	9.32	9.82	9.12	9.13	9.16	9.30	9.88
20	---	---	---	---	---	8.66	10.06	9.18	8.98	9.09	9.29	9.76
21	---	---	---	---	---	8.28	9.99	9.22	8.91	9.18	9.31	9.77
22	---	---	---	---	---	8.72	9.49	9.18	8.78	9.18	9.38	9.79
23	---	---	---	---	9.22	8.70	9.39	9.17	8.95	9.24	9.39	9.53
24	---	---	---	---	9.31	8.42	9.28	9.06	9.16	9.38	9.37	9.27
25	---	---	---	---	9.49	8.72	8.97	8.88	9.24	9.44	9.30	9.30
26	---	---	---	---	9.39	8.78	8.41	8.95	9.30	9.45	10.44	9.73
27	---	---	---	---	8.83	8.76	8.24	8.90	9.29	9.46	11.27	9.75
28	---	---	---	---	8.72	8.72	8.11	9.13	9.30	9.36	10.46	9.65
29	---	---	---	---	8.63	8.95	8.43	9.26	9.39	9.19	9.92	9.45
30	---	---	---	---	---	9.03	8.70	9.16	9.62	9.15	9.71	9.36
31	---	---	---	---	---	8.47	---	8.96	---	9.12	9.67	---
MAX	---	---	---	---	9.49	9.58	10.06	9.26	9.63	9.79	11.27	9.97
MIN	---	---	---	---	8.63	8.28	8.11	8.14	8.78	8.74	8.85	9.26

MISSISSIPPI RIVER DELTA

073802376 LAREUSSITE CANAL NEAR NAOMI, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.35	9.62	7.11	8.56	8.59	9.03	9.47	9.84	9.24	9.36	9.32	9.08
2	9.35	9.86	8.06	8.49	8.52	9.39	8.66	9.90	9.25	9.24	9.33	9.29
3	9.54	9.65	8.77	8.67	8.66	9.72	8.47	9.94	9.42	9.16	9.38	9.61
4	9.74	9.91	9.12	9.20	9.21	9.74	8.86	9.77	9.50	9.29	9.45	9.40
5	9.74	9.61	9.03	9.41	9.43	9.51	9.03	9.64	9.55	9.41	9.49	9.29
6	9.52	8.98	9.05	9.23	9.42	9.24	8.81	9.63	9.49	9.43	9.58	9.42
7	9.49	8.72	9.31	9.15	9.23	9.15	8.89	9.59	9.48	9.37	9.67	9.50
8	9.52	8.76	9.06	9.27	8.23	9.12	9.13	9.58	9.58	9.17	9.63	9.48
9	9.42	8.91	9.18	9.21	8.32	9.06	9.50	9.68	9.63	9.13	9.52	9.48
10	9.48	9.01	9.35	9.19	9.34	9.15	9.24	9.79	9.57	9.21	9.37	9.45
11	9.49	9.39	9.04	9.58	9.68	9.11	9.16	9.81	9.44	9.13	9.17	9.31
12	9.15	9.68	8.87	9.59	9.75	9.13	9.10	9.59	9.29	9.14	9.19	9.34
13	9.27	9.24	8.85	9.23	9.13	9.08	9.12	9.54	9.19	9.22	9.25	9.55
14	9.34	9.01	8.94	8.77	9.24	8.58	9.35	9.17	9.06	9.41	9.21	9.85
15	9.39	9.00	9.34	8.88	9.25	8.61	9.62	9.14	9.06	9.49	9.16	9.91
16	9.47	8.91	9.48	8.95	9.52	9.14	9.12	9.26	9.19	9.48	9.08	9.62
17	9.35	8.93	9.39	9.02	7.90	9.62	8.77	9.29	9.36	9.46	8.94	9.40
18	9.17	9.09	9.09	9.05	7.50	9.34	8.82	9.41	9.68	9.49	8.96	9.47
19	9.00	9.24	9.29	9.15	7.25	9.30	9.13	9.45	9.88	9.52	9.03	9.64
20	9.21	9.65	9.45	9.43	8.06	9.34	9.51	9.22	10.11	9.46	9.13	9.76
21	9.32	9.95	9.37	9.59	8.53	9.32	9.32	9.14	10.13	9.34	9.10	9.84
22	9.47	10.08	9.34	9.41	8.48	9.38	8.76	9.16	10.01	9.35	9.11	9.84
23	9.46	9.81	9.28	9.31	8.03	9.37	8.83	9.40	9.92	9.36	9.04	9.81
24	9.44	9.78	8.97	9.28	8.54	9.30	9.14	9.60	9.88	9.32	8.93	9.75
25	9.46	9.86	8.96	8.73	9.39	9.35	9.30	9.76	9.83	9.34	8.87	9.75
26	9.47	9.50	8.94	8.60	9.41	9.42	9.26	9.71	9.70	9.35	9.06	9.80
27	9.49	8.16	9.02	8.43	9.10	9.32	9.02	9.61	9.48	9.38	9.29	9.60
28	9.52	8.90	8.98	8.63	9.09	9.26	9.14	9.65	9.49	9.42	9.26	9.22
29	9.50	8.80	8.98	8.50	---	9.28	9.36	9.64	9.53	9.41	9.25	9.27
30	9.48	8.83	8.88	8.41	---	9.43	9.55	9.55	9.47	9.39	9.18	9.35
31	9.45	---	8.76	8.51	---	9.67	---	9.48	---	9.36	9.08	---
MAX	9.74	10.08	9.48	9.59	9.75	9.74	9.62	9.94	10.13	9.52	9.67	9.91
MIN	9.00	8.16	7.11	8.41	7.25	8.58	8.47	9.14	9.06	9.13	8.87	9.08

MISSISSIPPI RIVER DELTA

073802376 LAREUSSITE CANAL NEAR NAOMI, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1992 to current year.

WATER TEMPERATURES: June 1992 to current year.

REMARKS.--Low specific conductance values are due to diverted water from the Mississippi River.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 10,100 microsiemens, June 8, 1992; minimum daily, 286 microsiemens, July 29, 1993.

WATER TEMPERATURE: Maximum daily, 33.8°C, July 8, 1992; minimum daily, 5.8°C, Mar. 13, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	27.4	28.0	29.6
2	---	---	---	---	---	---	---	---	---	---	27.5	29.6
3	---	---	---	---	---	---	---	---	---	30.3	29.8	29.2
4	---	---	---	---	---	---	---	---	---	32.2	30.7	28.3
5	---	---	---	---	---	---	---	---	---	33.1	31.6	29.2
6	---	---	---	---	---	---	---	---	---	33.0	31.3	29.3
7	---	---	---	---	---	---	---	---	---	33.7	30.3	29.3
8	---	---	---	---	---	---	---	---	---	33.8	29.8	28.7
9	---	---	---	---	---	---	---	---	---	32.7	29.8	28.7
10	---	---	---	---	---	---	---	---	---	32.3	29.6	29.0
11	---	---	---	---	---	---	---	---	---	32.4	28.2	29.5
12	---	---	---	---	---	---	---	---	---	31.9	28.5	28.8
13	---	---	---	---	---	---	---	---	---	31.1	28.6	28.9
14	---	---	---	---	---	---	---	---	---	30.4	28.1	28.9
15	---	---	---	---	---	---	---	---	---	27.9	28.9	27.5
16	---	---	---	---	---	---	---	---	---	27.4	26.9	26.3
17	---	---	---	---	---	---	---	---	---	28.2	26.5	25.9
18	---	---	---	---	---	---	---	---	---	28.7	27.3	26.9
19	---	---	---	---	---	---	---	---	---	29.3	26.8	28.1
20	---	---	---	---	---	---	---	---	---	29.3	26.1	28.0
21	---	---	---	---	---	---	---	---	---	29.7	27.4	28.4
22	---	---	---	---	---	---	---	---	29.2	29.6	27.7	28.1
23	---	---	---	---	---	---	---	---	29.8	29.7	27.2	26.1
24	---	---	---	---	---	---	---	---	30.6	29.0	28.7	24.2
25	---	---	---	---	---	---	---	---	31.2	27.8	26.6	24.0
26	---	---	---	---	---	---	---	---	31.1	29.3	25.5	24.0
27	---	---	---	---	---	---	---	---	30.1	30.1	27.0	24.0
28	---	---	---	---	---	---	---	---	30.0	29.6	28.1	25.1
29	---	---	---	---	---	---	---	---	29.7	29.7	27.6	23.0
30	---	---	---	---	---	---	---	---	28.3	29.9	28.8	21.8
31	---	---	---	---	---	---	---	---	---	29.4	29.4	---
MEAN	---	---	---	---	---	---	---	---	---	30.3	28.3	27.3
MAX	---	---	---	---	---	---	---	---	---	33.8	31.6	29.6
MIN	---	---	---	---	---	---	---	---	---	27.4	25.5	21.8

MISSISSIPPI RIVER DELTA

073802376 LAREUSSITE CANAL NEAR NAOMI, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.0	24.5	13.2	15.9	13.3	9.7	14.3	19.8	25.0	29.6	30.5	29.9
2	20.1	22.7	13.5	15.5	13.4	10.5	13.7	18.3	24.7	29.9	30.3	29.7
3	20.2	20.7	13.1	17.5	11.9	9.6	11.5	19.8	25.6	29.5	30.2	27.8
4	20.5	20.3	14.4	18.8	8.9	9.7	13.3	21.7	26.5	28.9	29.9	28.3
5	21.9	15.2	14.6	18.9	8.2	9.6	12.3	21.5	27.2	29.5	30.3	29.0
6	23.3	12.8	14.1	16.8	8.2	8.8	13.5	22.1	27.8	29.7	30.0	29.1
7	23.2	11.6	15.7	15.8	8.5	9.0	14.6	22.3	27.8	29.8	29.2	28.7
8	22.7	13.1	13.9	15.7	8.5	9.5	14.5	22.5	27.7	28.6	29.3	28.8
9	23.3	15.6	13.8	16.4	8.8	9.9	15.3	22.3	27.8	27.9	29.5	29.1
10	23.4	17.4	14.6	16.7	9.6	10.3	15.8	22.7	27.7	27.9	29.6	28.6
11	23.5	18.1	13.4	17.7	10.7	9.3	16.2	21.7	27.5	28.1	29.6	28.6
12	21.4	18.4	13.7	19.7	10.0	6.9	20.0	23.3	27.9	28.5	29.2	28.4
13	23.2	14.8	15.0	17.0	9.6	5.8	21.6	22.6	28.2	27.9	29.8	28.5
14	24.5	14.7	16.3	12.2	9.0	7.7	23.4	23.1	28.6	28.2	30.0	28.8
15	24.7	15.9	16.1	11.0	10.7	8.0	22.8	23.3	27.7	29.1	29.1	27.8
16	24.3	16.6	15.2	11.4	12.5	9.2	18.8	23.2	27.7	29.4	29.0	27.3
17	22.4	17.0	15.2	12.9	9.7	9.4	19.4	24.0	27.3	29.7	29.4	27.3
18	21.5	17.3	13.0	14.8	8.7	9.6	20.2	23.5	26.4	29.3	29.9	27.8
19	19.6	17.9	14.1	16.8	8.6	9.3	21.8	24.2	26.2	29.6	29.6	28.3
20	20.5	18.4	17.4	18.0	11.4	9.0	19.1	23.8	26.1	29.9	27.5	27.9
21	21.2	19.8	19.8	19.4	12.8	10.8	18.6	23.3	27.4	28.8	28.4	26.9
22	21.7	20.2	21.1	19.5	12.6	10.5	17.2	23.3	26.6	28.1	28.6	26.9
23	22.6	16.1	21.4	20.1	10.1	10.9	17.5	22.9	25.7	28.9	29.4	26.8
24	23.6	16.5	18.3	18.6	10.2	10.2	18.3	23.2	26.6	28.5	29.1	26.8
25	24.3	18.2	17.2	9.8	10.3	10.5	20.0	24.5	26.4	29.0	29.2	26.3
26	25.1	14.9	16.1	11.1	11.2	11.1	21.4	24.1	26.7	29.8	28.6	26.3
27	25.2	11.1	15.8	10.6	9.1	11.2	19.9	24.7	27.1	30.4	28.5	25.2
28	25.5	10.8	17.3	11.5	9.2	11.6	19.3	24.3	27.2	30.1	28.7	23.5
29	25.8	10.7	17.6	12.4	---	12.3	19.5	25.0	28.2	29.5	29.1	23.9
30	24.7	12.7	18.2	12.5	---	13.7	19.6	24.8	29.2	30.1	28.7	23.7
31	24.7	---	17.4	12.7	---	14.7	---	25.4	---	30.8	29.4	---
MEAN	22.9	16.5	15.8	15.4	10.2	9.9	17.8	22.9	27.1	29.2	29.3	27.5
MAX	25.8	24.5	21.4	20.1	13.4	14.7	23.4	25.4	29.2	30.8	30.5	29.9
MIN	19.6	10.7	13.0	9.8	8.2	5.8	11.5	18.3	24.7	27.9	27.5	23.5

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	---	---	---	---	---	2430	2570	1740	5500	5660	3430	3230
2	---	---	---	---	---	2530	2650	1670	7030	---	3420	3530
3	---	---	---	---	---	2400	2500	1900	8260	6090	3650	3360
4	---	---	---	---	---	1460	1760	2180	8170	4880	3770	3060
5	---	---	---	---	---	875	1850	2310	7490	4470	3910	3080
6	---	---	---	---	---	1030	2080	2260	7200	4450	3660	3030
7	---	---	---	---	---	1110	1280	2580	8470	4590	3530	2920
8	---	---	---	---	---	1150	1890	2520	10100	4080	3300	2920
9	---	---	---	---	---	1160	1610	2250	8770	4730	3000	2710
10	---	---	---	---	---	1080	1290	2170	6650	4690	3050	2630
11	---	---	---	---	---	1000	1210	1540	5660	4620	3050	2550
12	---	---	---	---	---	1270	1390	1510	5210	4440	2880	2540
13	---	---	---	---	---	1660	1780	1620	5510	4290	2330	2840
14	---	---	---	---	---	2070	1850	1780	4840	4030	2540	2800
15	---	---	---	---	---	2260	1590	1560	4680	4200	2760	2530
16	---	---	---	---	---	2060	1240	1640	4740	4110	3040	2500
17	---	---	---	---	---	2040	1630	2030	4780	4120	3180	2560
18	---	---	---	---	---	1210	2500	2690	5410	4180	3110	2620
19	---	---	---	---	---	1530	2820	4480	5270	4290	2780	2590
20	---	---	---	---	---	1640	2840	5910	4960	4420	2770	2500
21	---	---	---	---	---	2210	2740	6170	5010	4350	2900	2590
22	---	---	---	---	---	2230	2280	6250	4990	4370	2480	2550
23	---	---	---	---	1490	1900	2230	6320	5000	4260	2880	2290
24	---	---	---	---	1420	2330	2310	6390	4510	4060	3010	---
25	---	---	---	---	1090	2320	2110	4580	4340	3830	2870	2330
26	---	---	---	---	1140	2210	2350	5090	4520	3600	3950	2420
27	---	---	---	---	1620	2310	2650	4840	4640	3690	4670	1880
28	---	---	---	---	2040	2310	2790	6500	4780	3730	3940	1530
29	---	---	---	---	2280	1920	2710	7600	5050	3700	2260	1220
30	---	---	---	---	---	1710	2330	6000	5010	3740	2910	1420
31	---	---	---	---	---	2490	---	5040	---	3740	2880	---
MEAN	---	---	---	---	---	1800	2090	3580	5880	4310	3160	2580
MAX	---	---	---	---	---	2530	2840	7600	10100	6090	4670	3530
MIN	---	---	---	---	---	875	1210	1510	4340	3600	2260	1220

MISSISSIPPI RIVER DELTA

073802376 LAREUSSITE CANAL NEAR NAOMI, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	3190	1530	2250	4110	396	439	542	617	998	416	492
2	1720	3040	1760	2360	4370	395	468	333	605	889	395	485
3	1990	2450	1960	2440	3850	394	537	312	641	855	377	378
4	2060	2180	1450	1450	2410	392	631	355	629	772	330	434
5	2140	1220	1480	1120	2400	391	619	424	639	747	363	454
6	2090	1100	1840	1380	2250	390	655	503	642	728	349	456
7	2220	1390	1250	1470	2450	389	696	568	629	685	311	447
8	2700	1820	1630	1160	1370	387	715	590	618	562	334	466
9	2510	2180	1660	1100	1550	386	701	597	596	524	411	539
10	2700	2200	1230	1110	2720	385	709	594	603	546	432	491
11	2640	1780	1760	1130	2740	384	705	445	588	555	430	494
12	2300	1130	2080	1150	2730	383	737	420	587	579	398	510
13	2650	1090	2370	1170	2060	381	751	485	601	522	412	517
14	2580	1110	2460	1190	2740	380	794	570	617	489	428	507
15	2610	1350	1380	1200	2870	379	741	650	573	581	351	505
16	2520	1440	886	1220	2900	378	746	687	577	607	353	482
17	2550	1720	743	1240	649	376	1040	725	562	628	370	496
18	2600	1800	766	1260	408	375	1260	745	493	580	397	528
19	2540	1350	727	1270	408	374	1340	766	412	599	404	562
20	2720	840	744	1650	407	373	1240	722	516	614	294	574
21	2620	874	840	1440	406	371	934	691	518	544	364	559
22	2390	2500	927	2000	405	370	652	675	---	474	392	601
23	2320	672	1040	1780	403	369	597	668	---	553	458	614
24	2440	1410	1300	1770	402	365	695	705	---	519	449	616
25	2710	2520	1590	1700	401	350	721	688	---	513	441	580
26	2860	804	1670	2290	400	334	693	677	---	567	416	580
27	3020	1290	1820	2800	398	318	610	674	---	447	413	498
28	3210	1060	1880	3030	397	327	611	653	---	333	419	446
29	3140	1330	1870	3460	---	315	628	648	---	286	400	473
30	3080	1650	1980	3720	---	304	607	640	---	339	390	469
31	3100	---	2040	3920	---	340	---	687	---	355	477	---
MEAN	2530	1620	1510	1810	1740	369	742	595	---	580	393	508
MAX	3210	3190	2460	3920	4370	396	1340	766	---	998	477	616
MIN	1560	672	727	1100	397	304	439	312	---	286	294	378

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE

LOCATION.--Lat 29°25' 23", long 89°57' 02", Plaquemines Parish, Hydrologic Unit 08090301, on a two-tier wellhead platform 10.7 mi north northeast of Grand Isle Coast Guard Station.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Data logger collecting elevation, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.--Elevation affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.54 ft, Aug. 25, 1992; minimum, -2.21 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT PERIOD.--July to September 1992: maximum elevation recorded during period, 4.54 ft, Aug. 25; minimum elevation recorded during period, 0.02 ft, July 8.

Water year 1993: Maximum elevation recorded, 3.92 ft, Mar. 18, but may have been higher during the period of missing record; minimum elevation recorded, -2.21 ft, Mar. 13, but may have been lesser during the period of missing record.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.73	1.17
2	---	---	---	---	---	---	---	---	---	---	.79	1.27
3	---	---	---	---	---	---	---	---	---	---	.69	1.22
4	---	---	---	---	---	---	---	---	---	---	.74	1.21
5	---	---	---	---	---	---	---	---	---	---	.77	1.30
6	---	---	---	---	---	---	---	---	---	---	.77	1.37
7	---	---	---	---	---	---	---	---	---	---	.83	1.45
8	---	---	---	---	---	---	---	---	---	---	.98	1.31
9	---	---	---	---	---	---	---	---	---	---	.96	1.33
10	---	---	---	---	---	---	---	---	---	---	1.06	1.26
11	---	---	---	---	---	---	---	---	---	---	1.13	1.15
12	---	---	---	---	---	---	---	---	---	---	1.35	1.14
13	---	---	---	---	---	---	---	---	---	---	1.33	1.29
14	---	---	---	---	---	---	---	---	---	---	1.06	1.54
15	---	---	---	---	---	---	---	---	---	---	.81	1.60
16	---	---	---	---	---	---	---	---	---	---	.88	1.63
17	---	---	---	---	---	---	---	---	---	---	.98	1.71
18	---	---	---	---	---	---	---	---	---	---	1.13	1.45
19	---	---	---	---	---	---	---	---	---	---	1.04	1.30
20	---	---	---	---	---	---	---	---	---	---	.86	1.33
21	---	---	---	---	---	---	---	---	---	---	.90	1.43
22	---	---	---	---	---	---	---	---	---	---	.85	1.33
23	---	---	---	---	---	---	---	---	---	---	.96	.99
24	---	---	---	---	---	---	---	---	---	---	.98	1.17
25	---	---	---	---	---	---	---	---	---	---	2.44	1.65
26	---	---	---	---	---	---	---	---	---	---	3.34	1.90
27	---	---	---	---	---	---	---	---	---	---	1.74	1.60
28	---	---	---	---	---	---	---	---	---	.84	1.25	1.46
29	---	---	---	---	---	---	---	---	---	.81	1.29	1.19
30	---	---	---	---	---	---	---	---	---	.92	1.19	1.25
31	---	---	---	---	---	---	---	---	---	.79	1.14	---
MAX	---	---	---	---	---	---	---	---	---	.92	3.34	1.90
MIN	---	---	---	---	---	---	---	---	---	.79	.69	.99

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.42	1.47	.75	.37	.31	.79	.97	1.57	.83	.96	1.88	2.50
2	1.76	1.56	.57	.54	.46	1.34	.46	1.88	1.09	.94	2.03	2.77
3	1.88	1.60	.82	.90	.76	1.44	.80	1.52	1.07	.97	2.08	2.85
4	1.78	1.60	1.07	1.38	.89	.87	1.23	1.35	1.14	1.23	2.12	2.56
5	1.24	.81	.68	1.15	.84	.45	.88	1.52	1.14	1.15	2.20	2.56
6	1.19	.56	1.21	.88	.43	.37	.81	1.38	1.03	1.12	2.34	2.72
7	1.30	.89	.96	.92	.27	.50	1.22	1.51	1.21	.98	2.45	2.72
8	1.41	1.02	.79	.91	.34	.49	1.81	1.62	1.35	.84	2.21	2.67
9	1.17	1.21	1.19	.92	.62	.48	1.17	1.70	1.25	1.01	2.13	2.72
10	1.45	1.35	.82	1.01	1.07	.66	.97	1.64	1.15	1.23	2.32	2.49
11	.94	1.80	.45	1.11	1.35	.64	1.01	1.35	1.03	1.23	2.34	2.44
12	.99	1.53	.51	1.08	.81	.22	1.03	1.47	.97	1.35	2.48	2.72
13	1.14	.77	.64	.45	.46	-.77	1.31	1.09	.91	1.55	2.46	---
14	1.16	1.06	.96	.52	.58	-.25	1.72	1.02	.88	1.43	2.37	---
15	1.24	1.04	1.40	.77	1.12	.37	1.47	1.18	1.02	1.35	2.24	---
16	1.21	.92	1.24	.65	1.00	1.66	.86	1.23	1.21	1.42	2.11	---
17	1.09	1.22	1.06	.68	.43	1.07	.83	1.24	1.47	1.42	2.09	---
18	.87	1.42	1.15	.69	.28	1.98	.84	1.42	1.65	1.57	2.28	---
19	.97	1.68	1.28	.88	.60	2.85	1.31	1.27	1.89	1.59	2.35	---
20	1.31	2.21	.86	1.22	.69	2.43	1.40	1.18	1.82	1.40	2.49	---
21	1.32	2.09	.69	1.11	1.09	1.97	.53	1.17	1.56	1.51	2.34	---
22	1.43	1.94	.78	.90	.83	1.60	.55	1.37	1.45	1.51	2.20	---
23	1.28	1.47	.72	.98	.65	1.42	.97	1.63	1.52	1.31	2.11	---
24	1.30	1.85	.49	.79	.86	1.26	1.22	1.65	1.46	1.26	2.16	---
25	1.32	1.35	.90	.68	1.16	1.48	1.39	1.62	1.20	1.61	2.21	---
26	1.28	.88	.75	.41	.90	1.38	1.00	1.45	1.09	1.61	2.60	---
27	1.23	.54	.93	.40	.76	1.15	1.18	1.25	1.04	1.80	2.51	---
28	1.10	.59	.84	.38	.63	1.10	1.34	1.27	1.13	1.84	2.42	---
29	1.05	.54	.74	.23	---	1.33	1.46	1.16	1.11	1.79	2.46	---
30	1.03	.56	.61	.32	---	1.68	1.63	1.11	1.01	1.91	2.35	---
31	.98	---	.55	.37	---	1.63	---	1.06	---	1.84	2.42	---
MAX	1.88	2.21	1.40	1.38	1.35	2.85	1.81	1.88	1.89	1.91	2.60	2.85
MIN	.87	.54	.45	.23	.27	-.77	.46	1.02	.83	.84	1.88	2.44

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1992 to current year.

SPECIFIC CONDUCTANCE: July 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 32.1°C, Aug. 14, 1993; minimum daily, 8.4°C, Mar. 14, 1993.

SPECIFIC CONDUCTANCE: Maximum daily, 38,900 microsiemens, Oct. 4, 1992; minimum daily, 4,650 microsiemens, Apr. 22, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

07380251 BARATARIA BAY NORTH OF GRAND ISLE--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16900	33000	26200	25600	31700	19900	14300	21400	12000	7340	12800	20400
2	22800	30000	22200	16600	28700	22700	11400	22700	13200	6800	16900	22100
3	30100	30400	24000	22600	30600	25500	12400	20100	13400	6310	22400	20800
4	38900	25800	23700	28100	32700	16900	16400	14500	13800	9270	15800	16800
5	36300	11600	19500	27800	36600	10400	24100	14200	12900	9270	16800	19100
6	36400	8290	22400	26500	29500	8980	23700	11700	12400	8230	19200	17600
7	31400	8920	25700	22400	26100	14500	18200	11300	13400	6450	17300	17500
8	28200	15600	19900	23500	33100	14500	21000	12000	14200	5060	14800	16500
9	25400	18900	21200	22200	35500	12900	17300	14800	13500	4760	16300	17300
10	28300	20400	22700	23300	36000	10500	14700	14000	12300	4730	16300	14800
11	24700	22400	19900	27600	33200	11500	15200	13900	12000	3710	12500	12700
12	25300	22300	16000	29600	25500	8760	15000	16500	11600	4150	12600	12700
13	26700	8620	15900	17900	20200	5830	15000	7780	12100	5270	12000	---
14	24500	13800	18400	11800	20600	6800	17200	7420	13300	4750	10500	---
15	26400	16000	25600	13400	25900	11300	14300	11300	11900	3560	8760	---
16	25700	20300	26700	22100	34500	19900	5130	13700	13500	3610	7540	---
17	23700	17200	21300	25900	20700	16100	5990	14500	15900	3910	5350	---
18	21700	20600	14600	23700	18200	18200	6910	11300	17800	5840	14500	---
19	19900	28600	16200	23000	19300	23600	9830	12100	18000	6030	25700	---
20	26900	35200	18100	24000	27900	21900	14200	13700	18600	6260	17600	---
21	28300	37900	20200	26300	26200	19300	5920	12900	16400	5330	15400	---
22	31500	32400	21000	28100	26800	25800	4650	15900	14400	5300	13200	---
23	32200	25000	21200	28600	20500	26300	15400	19100	12500	8420	10700	---
24	32800	25700	13900	22500	20900	26500	15900	20100	11300	17200	10000	---
25	32000	20900	15600	17800	29000	23900	17200	20500	9770	7510	11200	---
26	31500	12600	14700	16700	20700	20600	13700	18600	8250	10300	16200	---
27	31400	8890	22200	16500	16800	19400	12000	18500	7370	13200	22000	---
28	32300	12600	24400	28700	25600	21600	15000	19800	7350	16300	25400	---
29	31400	24500	21000	34600	---	19100	17500	18500	7720	17300	25500	---
30	29700	24600	21700	25800	---	20800	23100	18400	8300	16100	23200	---
31	29800	---	24000	27700	---	20500	---	17600	---	14000	18900	---
MEAN	28500	21100	20600	23600	26900	17600	14400	15400	12600	7940	15700	---
MAX	38900	37900	26700	34600	36600	26500	24100	22700	18600	17300	25700	---
MIN	16900	8290	13900	11800	16800	5830	4650	7420	7350	3560	5350	---

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE

LOCATION.--Lat 29°16' 32", long 89°56' 29", Jefferson Parish, Hydrologic Unit 08090301, on a walkway near the Grand Terre Marine Lab on Grand Terre Island, 1.0 mi east of Grand Isle.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Data logger collecting gage height, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.--Elevation affected by wind and tide. Missing record for 1993 water year due to transition period of relocation of site.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.69 ft, Aug. 25, 1992; minimum, -1.09 ft, July 2, 1993.

EXTREMES FOR CURRENT PERIOD.--July to September 1992: maximum elevation recorded during period, 3.69 ft, Aug. 25; minimum elevation recorded during period, -0.88 ft, July 28.

Water year 1993: Maximum elevation recorded, 2.99 ft, Oct. 4, but may have been higher during the period of missing record; minimum elevation recorded, -1.09 ft, July 2, but may have been lesser during the period of missing record.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.55	.55
2	---	---	---	---	---	---	---	---	---	---	.55	.61
3	---	---	---	---	---	---	---	---	---	---	.31	.53
4	---	---	---	---	---	---	---	---	---	---	.33	.60
5	---	---	---	---	---	---	---	---	---	---	.20	.69
6	---	---	---	---	---	---	---	---	---	---	.25	.73
7	---	---	---	---	---	---	---	---	---	---	.30	.79
8	---	---	---	---	---	---	---	---	---	---	.37	.66
9	---	---	---	---	---	---	---	---	---	---	.37	.71
10	---	---	---	---	---	---	---	---	---	---	.51	.68
11	---	---	---	---	---	---	---	---	---	---	.72	.65
12	---	---	---	---	---	---	---	---	---	---	.84	.63
13	---	---	---	---	---	---	---	---	---	---	1.02	.66
14	---	---	---	---	---	---	---	---	---	---	.88	.94
15	---	---	---	---	---	---	---	---	---	---	.60	1.17
16	---	---	---	---	---	---	---	---	---	---	.75	1.44
17	---	---	---	---	---	---	---	---	---	---	.97	1.28
18	---	---	---	---	---	---	---	---	---	---	.87	.91
19	---	---	---	---	---	---	---	---	---	---	.79	.79
20	---	---	---	---	---	---	---	---	---	---	.41	.75
21	---	---	---	---	---	---	---	---	---	---	.50	.72
22	---	---	---	---	---	---	---	---	---	---	.44	.72
23	---	---	---	---	---	---	---	---	---	---	.57	.71
24	---	---	---	---	---	---	---	---	---	---	.61	1.02
25	---	---	---	---	---	---	---	---	---	---	2.20	1.26
26	---	---	---	---	---	---	---	---	---	---	2.02	1.51
27	---	---	---	---	---	---	---	---	---	---	.99	1.51
28	---	---	---	---	---	---	---	---	---	.20	.82	1.39
29	---	---	---	---	---	---	---	---	---	.21	.87	1.45
30	---	---	---	---	---	---	---	---	---	.28	.75	1.64
31	---	---	---	---	---	---	---	---	---	.33	.63	---
MAX	---	---	---	---	---	---	---	---	---	.33	2.20	1.64
MIN	---	---	---	---	---	---	---	---	---	.20	.20	.53

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.85	---	---	---	---	.41	.04	1.02	.67	.31	1.29	1.41
2	2.31	---	---	---	---	.43	-.16	1.19	.63	.28	1.46	1.57
3	2.25	---	---	---	---	.64	.09	.94	.57	.33	1.45	1.48
4	1.93	---	---	---	---	.29	.50	.73	.56	.66	1.54	1.22
5	1.29	---	---	---	---	-.03	.29	.84	.43	.37	1.59	1.34
6	1.44	---	---	---	---	.02	.23	.67	.34	.30	1.75	1.39
7	1.39	---	---	---	---	.05	.38	.73	.40	.28	1.78	1.43
8	1.37	---	---	---	---	-.14	1.03	.83	.61	.49	1.65	1.35
9	1.32	---	---	---	---	-.23	.41	.94	.57	.67	---	1.38
10	1.48	---	---	---	---	-.25	.29	.89	.65	.68	1.62	1.14
11	1.06	---	---	---	.66	.09	.19	.73	.65	.61	1.59	1.09
12	1.26	---	---	---	.34	.74	.22	.88	.57	.77	1.66	1.25
13	1.09	---	---	---	.21	.46	.49	.61	.42	.95	1.55	1.39
14	1.05	---	---	---	.33	.45	.88	.50	.42	.75	1.48	1.69
15	1.19	---	---	---	.40	.37	.84	.62	.66	.73	1.35	1.46
16	1.15	---	---	---	.37	.68	.40	.69	.85	.83	1.26	1.34
17	1.39	---	---	---	.90	.37	.26	.69	1.12	.71	1.29	1.37
18	1.19	---	---	---	1.14	.45	.21	.75	1.28	.84	1.37	1.37
19	1.62	---	---	---	1.15	.20	.48	.76	1.50	.85	1.52	1.48
20	1.57	---	---	---	.13	.15	.62	.84	1.37	.76	1.42	1.41
21	1.62	---	---	---	.27	.16	.18	.84	1.06	.93	1.37	1.32
22	1.78	---	---	---	.18	.04	.20	.90	1.12	.99	1.21	1.21
23	1.60	---	---	---	.44	.14	.28	1.09	1.09	1.00	1.08	1.13
24	1.33	---	---	---	.56	.06	.42	1.18	.97	.95	1.16	1.11
25	1.17	---	---	---	.55	.25	.66	1.17	.84	.98	1.15	1.18
26	1.11	---	---	---	.64	.28	.44	---	.70	.96	1.49	1.21
27	---	---	---	---	1.34	.21	.60	1.08	.77	1.03	1.42	.94
28	---	---	---	---	.73	.09	.63	1.18	.67	1.25	1.34	1.30
29	---	---	---	---	---	.28	.85	1.08	.57	1.17	1.38	1.35
30	---	---	---	---	---	.51	.96	.90	.43	1.29	1.30	1.33
31	---	---	---	---	---	.49	---	.61	---	1.18	1.37	---
MAX	2.31	---	---	---	1.34	.74	1.03	1.19	1.50	1.29	1.78	1.69
MIN	1.05	---	---	---	.13	-.25	-.16	.50	.34	.28	1.08	.94

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Missing record for 1993 water year due to transition period of relocation of site.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1992 to current year.

SPECIFIC CONDUCTANCE: July 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 32.5° C, Aug. 14, 1993; minimum daily, 7.6°C, Mar. 13, 1993.

SPECIFIC CONDUCTANCE: Maximum daily, 43,200 microsiemens, Mar. 10, 1992; minimum daily, 14,500 microsiemens, July 24, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30200	---	---	---	---	34800	24000	28300	21900	24100	20900	24800
2	33100	---	---	---	---	35200	23200	24300	21500	20400	24300	25200
3	34200	---	---	---	---	34100	26000	24200	22100	20800	29600	23600
4	35800	---	---	---	---	32400	29500	24400	25500	26000	30500	23100
5	33900	---	---	---	---	31100	26700	26300	27900	25700	30000	23500
6	30300	---	---	---	---	30500	21200	26300	27700	26300	29000	24700
7	34200	---	---	---	---	30900	24500	25300	26600	24700	24100	24100
8	35500	---	---	---	---	34300	25400	25200	25100	20400	21500	22900
9	30200	---	---	---	---	36500	21300	25300	22900	17700	---	21200
10	36700	---	---	---	---	43200	25900	25000	20800	17300	17200	19700
11	34900	---	---	---	30300	34600	30400	22100	19300	17100	16500	19100
12	33300	---	---	---	29000	32300	28300	18200	17900	15900	16000	19800
13	32700	---	---	---	28200	19100	26800	17200	16900	16900	15300	19900
14	35500	---	---	---	33400	24900	24400	20300	16700	18300	15600	20500
15	35800	---	---	---	43100	37000	18000	19300	16100	17300	15400	22500
16	35600	---	---	---	41700	36000	16600	23400	16800	16200	17800	20500
17	33000	---	---	---	36700	33700	19700	23000	19100	15000	19500	19500
18	32300	---	---	---	31700	30700	24800	28100	21000	19500	24900	18900
19	32100	---	---	---	32500	31300	27700	27600	20400	20800	23400	19000
20	34700	---	---	---	36000	32500	27800	23200	21400	20600	20100	19500
21	38000	---	---	---	37600	33500	25900	23400	21600	18800	22600	20000
22	40300	---	---	---	38400	34100	22000	24400	20800	18000	24000	20900
23	39900	---	---	---	36900	31600	29600	26100	18600	14700	26300	21200
24	39800	---	---	---	35900	29000	33100	26300	17500	14500	23100	21200
25	38500	---	---	---	36700	23700	33100	25200	18500	16400	23300	20700
26	37500	---	---	---	36000	23900	27200	---	18200	24400	26300	20800
27	---	---	---	---	35400	23200	26100	24000	16400	23400	28200	20300
28	---	---	---	---	35000	23700	26000	22100	16000	21900	27700	18200
29	---	---	---	---	---	24600	28300	21300	20800	19600	27000	19600
30	---	---	---	---	---	24800	29300	21400	25300	17200	25100	30000
31	---	---	---	---	---	24800	---	21900	---	17500	24100	---
MEAN	34900	---	---	---	---	30700	25800	23800	20700	19600	23000	21500
MAX	40300	---	---	---	---	43200	33100	28300	27900	26300	30500	30000
MIN	30200	---	---	---	---	19100	16600	17200	16000	14500	15300	18200

MISSISSIPPI RIVER DELTA

07380252 BAYOU GRAND (BA4-1) NEAR WEST POINTE-A-LA-HACHE, LA

LOCATION.--Lat 29°23' 06", long 90°43' 47" T. 14 E, R. 17 S, Plaquemines Parish, Hydrologic Unit 08090301, 3 pile platform 1.0 mi west of West Pointe-A-La-Hache.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 8.58 ft below sea level (levels determined by Global Positioning System).

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.65 ft, Aug. 26, 1992; minimum, 8.01 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.--March to September 1992: Maximum gage height recorded during period, 12.65 ft, Aug. 26; minimum gage height recorded during period, 8.28 ft, May 7.

Water year 1993: Maximum gage height, 10.83 ft, Nov. 22, 1992; minimum gage height, 8.01 ft, March 14.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	9.13	9.32	9.47	10.37	9.31	9.99
2	---	---	---	---	---	---	8.71	9.35	9.66	---	9.28	10.07
3	---	---	---	---	---	---	8.98	9.31	10.16	10.16	9.33	10.10
4	---	---	---	---	---	---	9.28	9.18	10.19	9.79	9.27	9.95
5	---	---	---	---	---	---	9.25	9.18	9.98	9.43	9.36	9.97
6	---	---	---	---	---	---	9.10	9.04	9.81	9.37	9.40	10.03
7	---	---	---	---	---	---	9.41	8.63	9.89	9.32	9.39	10.10
8	---	---	---	---	---	---	9.34	8.83	10.03	9.25	9.40	10.01
9	---	---	---	---	---	---	9.34	9.07	10.05	9.22	9.48	9.98
10	---	---	---	---	---	---	9.47	8.98	9.88	9.29	9.50	9.93
11	---	---	---	---	---	---	9.61	9.13	9.77	9.33	9.54	9.80
12	---	---	---	---	---	---	9.60	9.12	9.72	9.38	9.72	9.67
13	---	---	---	---	---	---	9.33	9.17	9.77	9.49	9.91	9.73
14	---	---	---	---	---	---	9.28	9.18	9.85	9.86	9.72	9.90
15	---	---	---	---	---	9.16	9.45	9.32	9.79	10.09	9.39	10.00
16	---	---	---	---	---	8.97	9.65	9.36	9.72	9.85	9.22	10.12
17	---	---	---	---	---	9.22	9.74	9.48	9.65	9.76	9.27	10.44
18	---	---	---	---	---	9.61	9.98	9.57	9.70	9.60	9.57	10.41
19	---	---	---	---	---	9.98	10.29	9.57	9.56	9.49	9.75	10.28
20	---	---	---	---	---	9.16	10.50	9.59	9.51	9.42	9.68	10.14
21	---	---	---	---	---	8.68	10.30	9.58	9.47	9.55	9.72	10.18
22	---	---	---	---	---	9.11	9.70	9.50	9.24	9.54	9.77	10.22
23	---	---	---	---	---	9.14	9.59	9.54	9.48	9.66	9.78	9.82
24	---	---	---	---	---	8.86	9.45	9.50	9.71	9.78	9.73	9.55
25	---	---	---	---	---	9.16	9.25	9.46	9.78	9.80	9.60	9.78
26	---	---	---	---	---	9.23	8.75	9.58	9.86	9.81	11.59	10.30
27	---	---	---	---	---	9.26	8.66	9.48	9.86	9.87	11.57	10.12
28	---	---	---	---	---	9.19	8.51	9.74	9.90	9.76	10.44	10.03
29	---	---	---	---	---	9.40	8.93	9.84	9.98	9.56	9.95	9.80
30	---	---	---	---	---	9.44	9.19	9.71	10.23	9.51	9.85	9.72
31	---	---	---	---	---	8.86	---	9.46	---	9.50	9.92	---
MAX	---	---	---	---	---	9.98	10.50	9.84	10.23	10.37	11.59	10.44
MIN	---	---	---	---	---	8.68	8.51	8.63	9.24	9.22	9.22	9.55

MISSISSIPPI RIVER DELTA

07380252 BAYOU GRAND (BA4-1) NEAR WEST POINTE-A-LA-HACHE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.69	10.11	9.22	8.84	9.20	9.04	9.93	10.05	9.62	9.81	9.53	9.55
2	9.68	10.39	9.25	8.78	9.18	9.57	9.15	10.17	9.72	9.71	9.60	9.84
3	9.99	10.07	9.20	9.12	9.21	9.99	8.85	10.34	9.95	9.61	9.67	10.05
4	10.34	10.32	9.57	9.61	9.32	9.97	9.30	10.09	10.02	9.78	9.70	9.76
5	10.21	9.72	9.44	9.90	9.53	9.57	9.55	9.95	10.02	9.91	9.74	9.73
6	9.86	9.00	9.36	9.66	9.45	9.21	9.26	9.90	9.89	9.83	9.89	9.88
7	9.83	8.92	9.77	9.56	9.19	9.23	9.22	9.89	9.86	9.74	10.01	9.95
8	9.95	8.99	9.45	9.77	9.17	9.25	9.43	9.89	9.94	9.49	9.80	9.92
9	9.79	9.20	9.60	9.66	9.27	9.11	10.04	9.90	9.98	9.50	9.57	9.93
10	9.90	9.32	9.86	9.48	9.43	9.25	9.74	9.99	9.85	9.63	9.52	9.93
11	9.90	9.86	9.47	9.82	9.94	8.96	9.57	10.05	9.68	9.49	9.51	9.74
12	9.50	10.18	9.24	10.00	9.94	8.69	9.49	9.93	9.55	9.56	9.59	9.76
13	9.74	9.43	9.21	9.53	9.39	8.49	9.50	9.97	9.55	9.72	9.68	10.02
14	9.82	9.29	9.32	9.07	9.21	8.31	9.74	9.55	9.46	9.88	9.67	10.39
15	9.89	9.34	9.80	9.23	9.34	8.55	10.11	9.59	9.49	9.70	9.70	10.35
16	9.99	9.26	9.82	9.38	9.78	9.33	9.58	9.75	9.62	9.64	9.62	9.95
17	9.88	9.30	9.65	9.51	9.24	9.53	9.18	9.74	9.74	9.64	9.42	9.82
18	9.66	9.45	9.34	9.56	8.99	9.01	9.19	9.91	9.95	9.65	9.42	9.91
19	9.47	9.67	9.65	9.62	8.88	9.12	9.54	9.96	10.15	9.69	9.58	10.12
20	9.71	10.20	9.87	9.87	9.32	9.05	9.89	9.69	10.40	9.63	9.60	10.23
21	9.76	10.46	9.74	10.11	9.74	9.11	9.42	9.59	10.40	9.48	9.54	10.20
22	9.88	10.65	9.73	9.91	9.61	9.29	8.97	9.62	10.24	9.51	9.62	10.14
23	9.81	10.20	9.66	9.80	9.12	9.23	9.26	9.85	10.24	9.46	9.51	10.10
24	9.86	10.24	9.29	9.82	9.07	9.28	9.58	10.06	10.18	9.43	9.43	10.04
25	10.02	10.29	9.27	9.16	9.59	9.46	9.71	10.19	10.03	9.55	9.31	10.10
26	10.09	9.80	9.33	9.18	9.51	9.55	9.55	10.06	9.86	9.54	9.44	10.21
27	10.12	9.39	9.39	9.05	9.14	9.43	9.28	9.85	9.72	9.61	9.72	9.76
28	10.15	9.21	9.38	9.17	9.15	9.38	9.40	9.88	9.85	9.67	9.70	9.22
29	10.12	9.14	9.26	8.97	---	9.35	9.60	9.86	9.93	9.63	9.71	9.46
30	10.04	9.18	9.20	8.82	---	9.59	9.88	9.87	9.92	9.61	9.67	9.53
31	9.96	---	9.06	9.05	---	10.07	---	9.89	---	9.57	9.56	---
MAX	10.34	10.65	9.87	10.11	9.94	10.07	10.11	10.34	10.40	9.91	10.01	10.39
MIN	9.47	8.92	9.06	8.78	8.88	8.31	8.85	9.55	9.46	9.43	9.31	9.22

MISSISSIPPI RIVER DELTA

07380252 BAYOU GRAND (BA4-1) NEAR WEST POINTE-A-LA-HACHE, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1992 to current year.

SPECIFIC CONDUCTANCE: March 1992 to current year.

REMARKS.--Low specific conductance values are due to diverted water from the Mississippi River.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 31.3°C, Aug. 10, 1992; minimum daily, 6.2°C, Jan. 27, 1993.

SPECIFIC CONDUCTANCE: Maximum daily, 23,900 microsiemens, May 27, 1992; minimum daily, 192 microsiemens, Aug. 20.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	27.4	29.2	29.6
2	---	---	---	---	---	---	---	---	---	---	29.1	29.3
3	---	---	---	---	---	---	---	---	---	30.0	30.2	29.1
4	---	---	---	---	---	---	---	---	---	31.1	31.0	28.9
5	---	---	---	---	---	---	---	---	---	31.9	30.8	29.9
6	---	---	---	---	---	---	---	---	---	32.3	30.3	29.6
7	---	---	---	---	---	---	---	---	---	33.0	30.7	29.4
8	---	---	---	---	---	---	---	---	---	33.2	30.8	30.0
9	---	---	---	---	---	---	---	---	---	32.7	30.8	30.4
10	---	---	---	---	---	---	---	---	---	32.0	31.3	30.2
11	---	---	---	---	---	---	---	---	---	32.1	30.2	30.5
12	---	---	---	---	---	---	---	---	---	32.2	29.2	30.0
13	---	---	---	---	---	---	---	---	---	30.8	29.0	29.8
14	---	---	---	---	---	---	---	---	---	28.7	28.3	29.0
15	---	---	---	---	---	---	---	---	---	26.8	28.0	26.9
16	---	---	---	---	---	---	---	---	---	27.4	27.4	25.5
17	---	---	---	---	---	---	---	---	---	29.0	26.8	25.4
18	---	---	---	---	---	---	---	---	---	29.6	27.2	26.5
19	---	---	---	---	---	---	---	---	---	30.1	27.5	27.7
20	---	---	---	---	---	---	---	---	---	30.4	27.1	28.6
21	---	---	---	---	---	---	---	---	---	30.6	27.7	29.0
22	---	---	---	---	---	---	---	---	---	30.5	28.3	28.7
23	---	---	---	---	---	---	---	---	29.4	30.0	28.7	27.5
24	---	---	---	---	---	---	---	---	30.3	29.2	30.0	25.4
25	---	---	---	---	---	---	---	---	30.9	29.0	27.9	25.0
26	---	---	---	---	---	---	---	---	31.4	29.7	25.6	24.6
27	---	---	---	---	---	---	---	---	31.0	29.9	26.7	24.4
28	---	---	---	---	---	---	---	---	31.0	30.6	28.2	24.5
29	---	---	---	---	---	---	---	---	30.6	31.2	28.0	23.4
30	---	---	---	---	---	---	---	---	27.9	30.5	28.0	21.9
31	---	---	---	---	---	---	---	---	---	30.1	28.8	---
MEAN	---	---	---	---	---	---	---	---	---	30.4	28.8	27.7
MAX	---	---	---	---	---	---	---	---	---	33.2	31.3	30.5
MIN	---	---	---	---	---	---	---	---	---	26.8	25.6	21.9

MISSISSIPPI RIVER DELTA

07380252 BAYOU GRAND (BA4-1) NEAR WEST POINTE-A-LA-HACHE, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.6	24.3	12.7	16.8	6.6	7.7	11.7	16.8	22.3	27.3	29.9	29.7
2	19.7	22.9	12.9	15.9	6.7	7.7	10.8	16.6	22.6	27.5	30.1	29.7
3	19.7	22.5	13.1	17.0	6.8	7.6	10.0	17.1	23.1	27.7	30.1	29.1
4	20.3	21.5	15.4	19.4	6.9	7.7	10.6	17.3	23.6	27.9	30.0	29.3
5	22.4	17.0	15.7	20.0	6.7	7.0	11.4	17.4	23.8	28.3	30.1	29.6
6	23.8	13.5	14.8	17.9	6.8	6.5	10.6	17.6	23.9	28.4	29.8	29.6
7	23.5	12.1	16.6	16.7	6.8	6.7	10.8	17.9	24.1	28.3	29.4	29.4
8	23.5	12.6	14.8	16.0	6.8	6.9	11.2	18.3	24.4	28.0	29.5	29.5
9	23.7	14.5	14.4	16.4	6.9	7.2	12.8	18.7	24.5	28.3	29.3	29.4
10	23.5	17.0	15.2	16.7	7.3	7.4	12.9	19.0	24.7	28.2	29.2	29.2
11	23.7	18.5	14.2	18.0	7.9	7.1	17.4	19.0	24.8	28.2	29.0	29.3
12	22.9	19.6	13.9	15.4	7.7	6.7	20.8	19.6	25.1	28.3	29.0	29.1
13	23.5	15.9	14.2	8.1	7.5	6.5	22.7	19.9	25.3	28.1	29.1	29.0
14	24.1	15.0	15.5	7.3	7.5	7.1	23.2	20.2	25.4	28.3	29.1	28.8
15	24.6	15.1	16.6	7.2	8.2	7.1	22.8	20.4	25.5	28.5	28.6	28.7
16	24.5	15.6	16.5	7.1	8.9	7.5	20.5	20.7	25.8	28.8	28.8	28.2
17	23.6	16.0	15.9	6.9	8.2	7.5	19.7	21.0	25.8	28.9	28.7	27.8
18	22.5	16.8	14.7	6.8	8.2	7.5	20.7	21.3	25.7	28.9	29.0	27.8
19	21.3	18.8	14.8	7.1	8.2	7.5	18.7	21.6	25.6	28.9	28.8	27.9
20	20.6	19.3	17.7	7.6	9.0	7.3	15.2	21.6	25.6	29.0	28.0	27.2
21	22.0	20.1	20.0	7.4	9.6	7.3	15.0	21.6	25.8	28.6	28.6	26.5
22	22.8	21.0	20.7	6.8	9.3	7.8	14.8	21.6	25.0	28.5	28.6	26.3
23	23.3	17.9	21.2	7.1	8.5	7.9	15.3	21.7	24.6	28.7	28.7	26.0
24	23.8	17.7	19.5	7.2	8.3	7.8	15.9	21.8	25.2	28.5	28.6	25.8
25	24.0	18.7	17.0	6.6	8.3	7.9	16.0	21.8	25.5	28.9	28.9	25.7
26	24.4	16.4	16.7	6.4	8.5	8.1	16.5	21.9	25.7	29.2	28.7	25.7
27	24.4	13.7	15.9	6.2	7.9	8.5	16.3	22.0	25.6	29.6	28.9	25.0
28	24.3	11.9	17.4	6.3	7.8	8.9	16.5	22.1	26.0	29.5	29.1	24.2
29	24.8	11.3	17.5	6.4	---	9.5	16.6	22.1	26.6	29.5	29.2	24.3
30	24.4	11.9	17.7	6.6	---	10.2	16.7	22.0	27.0	29.8	29.3	24.0
31	24.7	---	17.6	6.5	---	10.9	---	22.1	---	30.1	29.3	---
MEAN	23.1	17.0	16.2	10.9	7.8	7.7	15.8	20.1	25.0	28.6	29.1	27.7
MAX	24.8	24.3	21.2	20.0	9.6	10.9	23.2	22.1	27.0	30.1	30.1	29.7
MIN	19.7	11.3	12.7	6.2	6.6	6.5	10.0	16.6	22.3	27.3	28.0	24.0

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	---	---	---	---	---	---	7860	12600	24800	22100	12500	16600
2	---	---	---	---	---	---	9410	14100	25000	---	12500	16500
3	---	---	---	---	---	---	10200	14400	24100	22100	12400	16400
4	---	---	---	---	---	---	9910	15200	24000	20900	12600	16400
5	---	---	---	---	---	---	12100	15900	23800	20200	12400	16400
6	---	---	---	---	---	---	11800	17200	23500	20200	12600	15700
7	---	---	---	---	---	---	10200	17800	23800	20200	12500	15000
8	---	---	---	---	---	---	11600	17900	24000	20100	12200	15200
9	---	---	---	---	---	---	11600	18700	23100	19600	11900	15300
10	---	---	---	---	---	---	12000	18900	21300	19300	12000	15400
11	---	---	---	---	---	---	12000	17700	22100	19800	12000	15700
12	---	---	---	---	---	---	12700	17600	21800	19900	16600	16200
13	---	---	---	---	---	---	13500	18000	21300	20500	17900	16000
14	---	---	---	---	---	---	13100	18600	21100	20000	16900	15900
15	---	---	---	---	---	10100	12300	18300	20500	19900	16600	15900
16	---	---	---	---	---	10700	12600	19300	20100	20000	18000	15900
17	---	---	---	---	---	9710	13300	19400	20300	18900	19400	15500
18	---	---	---	---	---	9070	14300	19600	20900	18800	18100	15600
19	---	---	---	---	---	8620	14900	19900	20900	19100	18000	15400
20	---	---	---	---	---	10200	15900	20300	21100	18700	18400	15300
21	---	---	---	---	---	10500	15600	20800	21400	18200	18200	15100
22	---	---	---	---	---	9160	15200	21200	21800	18000	18100	15200
23	---	---	---	---	---	10000	16300	21500	21500	17300	18200	14700
24	---	---	---	---	---	10500	16900	22000	21500	16500	18700	13700
25	---	---	---	---	---	9430	16000	23100	20400	15200	19300	13800
26	---	---	---	---	---	10100	16000	23500	21100	13700	18100	13300
27	---	---	---	---	---	10400	16900	23900	21500	13300	17000	12400
28	---	---	---	---	---	10500	17300	23300	21900	12900	16900	13000
29	---	---	---	---	---	9410	16800	23000	22300	12800	16800	13300
30	---	---	---	---	---	9560	11700	23500	22100	12600	16700	13500
31	---	---	---	---	---	10600	---	23600	---	12600	16500	---
MEAN	---	---	---	---	---	---	13300	19400	22100	18100	15800	15100
MAX	---	---	---	---	---	---	17300	23900	25000	22100	19400	16600
MIN	---	---	---	---	---	---	7860	12600	20100	12600	11900	12400

MISSISSIPPI RIVER DELTA

07380252 BAYOU GRAND (BA4-1) NEAR WEST POINTE-A-LA-HACHE, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13100	18200	11900	13200	359	400	352	778	424	636	459	611
2	13500	17600	12800	12900	361	402	350	743	412	644	443	765
3	13300	18000	12900	12900	362	403	348	784	465	654	472	278
4	15600	16700	11900	12500	364	404	346	816	472	611	453	280
5	15600	14100	12900	14500	366	404	344	835	480	647	474	244
6	15900	14300	12800	15800	367	402	342	858	490	650	453	233
7	14800	15100	12800	16400	369	401	340	843	476	670	413	421
8	15200	15100	14000	16200	370	399	338	866	462	594	446	722
9	16200	14800	13200	16700	372	397	833	888	451	571	501	581
10	15300	14800	13300	16500	374	395	1000	871	457	568	515	572
11	16900	14700	13500	15500	375	393	1260	797	455	587	500	636
12	17400	13200	13600	9610	377	392	1470	866	459	603	497	337
13	17600	10400	13200	573	378	390	1950	838	467	576	510	372
14	16900	11000	12900	322	380	388	3600	870	468	609	487	1050
15	17300	11800	12900	325	381	386	4570	921	454	669	406	863
16	18200	12000	12800	327	383	384	3960	935	537	674	408	1080
17	17400	11700	11700	329	384	382	3910	937	543	693	502	989
18	17100	11400	11700	331	386	380	4230	948	500	684	466	663
19	17000	10900	10800	333	387	378	3020	935	513	684	400	910
20	16400	12200	10500	336	388	376	834	664	633	645	190	1030
21	17200	13300	10400	338	390	374	735	449	545	558	247	457
22	17600	13500	10500	340	391	372	693	437	464	505	317	414
23	18100	12900	11100	342	392	370	717	418	435	538	338	341
24	18500	14000	11300	344	394	368	798	452	496	504	408	359
25	18200	13900	10600	346	395	366	850	483	503	511	347	310
26	18600	13000	11600	349	396	364	919	471	511	559	423	418
27	18300	12700	12900	351	398	362	799	482	488	610	580	586
28	18100	12800	14900	353	399	360	793	471	537	529	752	206
29	18600	12800	13800	355	---	358	811	465	582	442	659	225
30	17900	12500	13000	356	---	356	796	445	607	460	777	229
31	18500	---	12600	358	---	354	---	467	---	504	752	---
MEAN	16800	13600	12400	5790	380	383	1380	711	493	593	471	539
MAX	18600	18200	14900	16700	399	404	4570	948	633	693	777	1080
MIN	13100	10400	10400	322	359	354	338	418	412	442	190	206

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA

LOCATION.--Lat 29°31' 03", long 90°10' 53", R. 22 E, T. 19 S, Lafourche Parish, Hydrologic Unit 08090301, on oil wellhead platform in Little Lake, 9.3 mi east southeast of Cutoff.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Data logger collecting gage height, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.08 ft, Aug. 26, 1992; minimum, -0.24 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.--May to September 1992: maximum gage height recorded during period, 5.08 ft, Aug. 26; minimum gage height recorded during period, 0.49 ft, Aug. 3.

Water year 1993: Maximum gage height, 3.15 ft, June 19; minimum gage height, -0.24 ft, Mar. 14.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.87	1.80
2	---	---	---	---	---	---	---	---	---	---	.87	1.52
3	---	---	---	---	---	---	---	---	---	---	.75	1.43
4	---	---	---	---	---	---	---	---	---	---	.80	1.48
5	---	---	---	---	---	---	---	---	---	---	.83	1.48
6	---	---	---	---	---	---	---	---	---	---	.87	1.52
7	---	---	---	---	---	---	---	---	---	---	.89	1.56
8	---	---	---	---	---	---	---	---	---	---	1.00	1.51
9	---	---	---	---	---	---	---	---	---	---	1.00	1.42
10	---	---	---	---	---	---	---	---	---	---	1.02	1.35
11	---	---	---	---	---	---	---	---	---	---	1.07	1.27
12	---	---	---	---	---	---	---	---	---	---	1.27	1.39
13	---	---	---	---	---	---	---	---	---	---	1.31	1.48
14	---	---	---	---	---	---	---	---	---	---	1.22	1.81
15	---	---	---	---	---	---	---	---	---	---	1.02	2.01
16	---	---	---	---	---	---	---	---	---	---	.96	2.13
17	---	---	---	---	---	---	---	---	---	---	1.08	2.00
18	---	---	---	---	---	---	---	---	---	---	1.21	1.77
19	---	---	---	---	---	---	---	---	---	---	1.23	1.64
20	---	---	---	---	---	---	---	---	---	---	1.26	1.52
21	---	---	---	---	---	---	---	---	---	---	1.40	1.61
22	---	---	---	---	---	---	---	---	---	---	1.46	1.85
23	---	---	---	---	---	---	---	---	---	---	1.44	1.89
24	---	---	---	---	---	---	---	---	---	---	1.44	1.89
25	---	---	---	---	---	---	---	---	---	---	2.54	2.20
26	---	---	---	---	---	---	---	---	---	---	4.33	2.51
27	---	---	---	---	---	---	---	---	---	---	2.66	2.39
28	---	---	---	---	---	---	---	---	---	---	2.14	2.26
29	---	---	---	---	---	---	---	---	---	.89	2.09	2.18
30	---	---	---	---	---	---	---	---	---	.97	1.91	2.23
31	---	---	---	---	---	---	---	---	---	.93	1.87	---
MAX	---	---	---	---	---	---	---	---	---	.97	4.33	2.51
MIN	---	---	---	---	---	---	---	---	---	.89	.75	1.27

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.24	1.72	1.02	.79	.46	.97	1.03	1.89	1.44	1.68	1.62	1.76
2	2.36	1.73	.94	.81	.67	1.30	.92	2.07	1.56	1.62	1.75	1.95
3	2.32	1.76	1.09	1.11	.92	1.49	1.29	1.84	1.57	1.60	1.83	2.00
4	2.29	2.21	1.25	1.52	1.08	1.10	1.75	1.67	1.63	1.86	1.91	1.70
5	1.99	2.22	1.22	1.47	1.06	.77	1.46	1.79	1.68	1.93	1.94	1.78
6	1.88	1.77	1.40	1.12	.74	.61	1.42	1.60	1.60	1.94	2.10	1.88
7	1.93	1.43	1.36	.95	.35	.60	1.81	1.55	1.72	1.78	2.17	1.92
8	1.88	1.17	1.22	.95	.45	.61	2.30	1.75	1.88	1.61	2.08	1.86
9	1.78	1.23	1.37	1.00	.70	.58	1.76	1.92	1.93	1.73	2.00	1.76
10	1.89	1.36	1.26	1.13	1.16	.67	1.57	1.79	1.86	1.78	2.11	1.61
11	1.67	1.72	.99	1.19	1.30	.89	1.55	1.63	1.72	1.72	2.21	1.53
12	1.58	1.51	1.00	1.07	.87	1.14	1.56	1.52	1.60	1.75	2.21	1.64
13	1.60	1.09	1.07	.57	.64	.18	1.69	1.23	1.56	1.92	2.14	1.87
14	1.67	1.16	1.26	.54	.72	.24	1.71	1.13	1.50	1.95	1.99	2.17
15	1.74	1.10	1.63	1.08	.97	.53	1.27	1.20	1.62	1.85	1.94	1.93
16	1.73	1.08	1.56	1.05	1.16	1.58	.82	1.31	1.86	1.80	1.91	1.63
17	1.74	1.28	1.31	1.05	1.10	1.25	.88	1.28	2.24	1.76	1.81	1.63
18	1.61	1.44	1.34	1.09	.80	1.12	.89	1.48	2.56	1.81	1.86	1.67
19	1.69	1.61	1.53	1.19	.74	1.41	1.26	1.45	2.81	1.77	1.92	1.77
20	1.84	2.09	1.47	1.51	.82	1.48	1.46	1.37	2.79	1.60	2.01	1.75
21	1.89	2.03	1.31	1.45	1.06	1.38	.87	1.44	2.50	1.58	1.98	1.69
22	2.01	1.91	1.31	1.28	1.08	1.31	.68	1.60	2.35	1.72	1.90	1.47
23	1.81	1.82	1.25	1.25	.97	1.18	.94	1.85	2.37	1.66	1.76	1.40
24	1.69	2.02	1.13	1.25	1.19	1.18	1.25	1.93	2.32	1.63	1.75	1.28
25	1.66	1.76	1.16	1.09	1.41	1.36	1.43	1.91	2.15	1.67	1.90	1.27
26	1.65	1.34	1.26	.78	1.10	1.37	1.21	1.85	1.91	1.68	2.18	1.30
27	1.63	1.14	1.24	.69	1.15	1.24	1.27	1.87	1.84	1.75	2.10	1.02
28	1.45	1.12	1.22	.67	.95	1.24	1.52	2.00	1.88	1.83	1.91	.96
29	1.42	1.07	1.17	.64	---	1.34	1.65	1.83	1.78	1.78	1.86	1.18
30	1.42	.91	1.01	.62	---	1.46	1.81	1.70	1.75	1.79	1.77	1.30
31	1.41	---	.92	.56	---	1.38	---	1.59	---	1.68	1.73	---
MAX	2.36	2.22	1.63	1.52	1.41	1.58	2.30	2.07	2.81	1.95	2.21	2.17
MIN	1.41	.91	.92	.54	.35	.18	.68	1.13	1.44	1.58	1.62	.96

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1992 to current year.

SPECIFIC CONDUCTANCE: June 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 31.5°C, Aug. 14, 1993; minimum daily, 8.1°C, Mar. 14, 1993.

SPECIFIC CONDUCTANCE: Maximum daily, 15,400 microsiemens, June 20, 1993; minimum daily, 365 microsiemens, Jan. 14, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.3	24.0	12.1	16.4	13.2	14.2	21.3	22.5	27.3	30.4	31.2	29.8
2	20.4	22.9	12.2	15.9	13.3	15.0	19.7	21.8	27.5	30.5	31.1	29.7
3	20.4	22.4	12.2	16.8	13.3	15.4	18.5	22.2	27.7	30.8	31.1	28.6
4	20.5	21.5	13.5	18.3	13.9	15.5	17.7	23.0	28.0	30.2	30.7	28.4
5	21.2	17.4	14.1	18.8	13.9	15.7	17.4	23.7	28.7	29.9	30.7	28.7
6	22.4	15.0	13.8	17.8	13.0	15.9	17.3	24.7	29.5	30.0	30.3	29.1
7	22.4	13.8	14.7	17.0	12.3	15.9	18.1	25.3	29.6	30.4	29.6	28.8
8	22.6	13.5	14.0	16.3	12.9	16.9	18.6	25.6	29.4	30.5	29.3	29.0
9	23.0	14.3	13.6	16.3	13.4	17.8	18.1	25.8	29.3	29.4	30.3	30.0
10	22.9	15.5	14.0	16.4	14.1	18.6	18.2	25.8	29.5	28.6	30.9	29.5
11	23.0	16.9	13.8	17.0	14.9	18.0	19.3	25.2	29.8	28.3	30.9	29.1
12	21.9	17.9	13.5	17.8	15.5	14.8	20.8	25.1	30.3	28.2	31.2	29.1
13	22.2	16.1	13.7	17.3	15.2	8.4	21.8	24.6	30.4	28.0	31.4	29.0
14	22.9	15.0	14.5	14.9	15.0	8.1	22.3	25.0	30.7	28.1	31.5	28.9
15	23.5	14.9	15.4	13.5	15.3	9.0	21.9	25.7	30.6	29.1	30.7	28.5
16	23.8	15.1	15.3	12.8	16.8	10.7	20.0	26.3	30.2	29.4	30.0	27.8
17	22.9	15.5	15.1	13.3	15.1	11.9	19.4	26.6	29.3	29.9	30.0	27.4
18	21.8	16.3	14.3	14.1	13.3	12.8	20.2	26.6	28.3	30.6	30.6	27.9
19	20.7	17.3	14.2	15.0	11.6	13.6	20.9	26.5	27.4	30.9	30.7	29.0
20	20.9	18.1	15.5	16.2	13.2	14.3	21.7	25.4	27.1	31.2	28.8	29.2
21	21.4	19.0	16.6	17.5	15.3	15.5	21.1	24.9	27.6	30.5	28.6	29.4
22	22.0	19.6	17.5	17.7	17.2	16.9	19.8	24.2	27.6	29.3	29.1	29.5
23	22.1	17.7	18.3	18.1	16.0	18.1	19.8	23.7	27.0	29.1	29.8	29.8
24	22.4	17.6	17.6	18.0	15.7	19.0	20.3	24.1	27.3	28.8	29.8	30.0
25	23.0	17.8	16.7	14.5	15.9	19.4	21.6	24.4	27.9	28.8	29.9	29.8
26	23.3	16.2	16.5	12.4	16.0	19.4	22.8	25.3	28.6	29.6	29.3	29.6
27	23.6	13.7	15.8	11.2	14.2	19.1	22.5	25.6	28.9	30.4	29.3	27.6
28	23.7	12.4	16.2	11.7	14.1	19.9	22.3	25.8	29.2	30.5	29.5	24.3
29	23.9	11.7	16.7	12.3	---	20.7	22.4	26.6	29.6	30.5	29.4	24.1
30	23.8	11.9	17.1	12.3	---	21.5	22.6	27.6	30.1	30.8	29.1	24.0
31	24.0	---	17.0	12.6	---	22.7	---	28.1	---	31.1	29.1	---
MEAN	22.4	16.7	15.0	15.5	14.4	16.0	20.3	25.1	28.8	29.8	30.1	28.5
MAX	24.0	24.0	18.3	18.8	17.2	22.7	22.8	28.1	30.7	31.2	31.5	30.0
MIN	20.4	11.7	12.1	11.2	11.6	8.1	17.3	21.8	27.0	28.0	28.6	24.0

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2140	7770	1260	539	545	623	568	4780	571	1220	593	322
2	2280	7130	1240	504	569	750	519	3720	601	1140	611	576
3	2450	5740	1180	594	555	811	425	3080	878	1170	634	699
4	2720	5550	1330	778	661	704	404	1460	1200	1170	641	233
5	2740	3540	1300	886	680	605	410	1150	1190	1200	681	234
6	2720	2460	1470	714	662	587	416	1010	818	1280	849	263
7	2770	2030	1370	627	631	598	412	826	966	1120	928	268
8	2620	2000	1270	579	634	655	491	808	1530	1050	716	279
9	2520	2010	1200	568	637	1020	589	1490	1670	895	620	297
10	2620	2300	1240	569	739	832	476	1760	1830	892	598	174
11	2650	2370	1170	669	2790	570	491	991	1540	816	610	159
12	2340	2340	1160	608	784	573	492	927	1730	783	630	187
13	2410	1950	1030	613	727	456	514	699	1170	764	634	504
14	2510	1670	834	365	712	446	576	667	858	772	601	5970
15	2640	1830	1280	424	734	383	705	722	823	725	563	7500
16	2750	1910	1150	496	919	1510	518	642	1380	682	517	2970
17	2520	1880	843	555	708	1080	431	735	4810	675	430	911
18	2420	2100	662	581	534	395	490	726	11700	681	438	999
19	2290	2260	668	601	437	386	504	866	13600	670	480	2470
20	2490	2780	847	682	647	439	646	566	15400	693	632	3120
21	2710	3990	812	751	842	475	568	560	12700	644	582	3360
22	4490	4290	729	641	781	460	419	587	10600	588	544	3010
23	3920	2420	743	636	656	542	471	1250	9500	569	385	1990
24	4900	2430	656	606	749	585	528	2140	8090	674	330	1450
25	6680	2140	667	446	927	552	675	3030	5150	591	361	1820
26	5240	1790	684	594	736	554	608	2230	3010	655	588	2180
27	5600	1470	617	475	572	446	540	1440	2080	612	820	1280
28	6880	1300	586	540	544	437	619	2070	1740	625	699	287
29	7500	1290	615	520	---	423	1840	2250	1540	628	498	331
30	6110	1300	719	497	---	574	5400	1170	1290	615	357	814
31	5620	---	555	514	---	768	---	989	---	557	292	---
MEAN	3560	2800	964	586	754	621	725	1460	4000	811	576	1490
MAX	7500	7770	1470	886	2790	1510	5400	4780	15400	1280	928	7500
MIN	2140	1290	555	365	437	383	404	560	571	557	292	159

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA

LOCATION.--Lat 29° 27' 23", long 90° 11' 46", R. 22 E, T. 19 S, Lafourche Parish, Hydrologic Unit 08090301, on Tennessee Canal, 6.3 mi east northeast of Galliano.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Data logger collecting elevation, water temperature, specific conductance, and salinity. Datum of gage is sea level by Global Positioning System.

REMARKS.--Elevation affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.44 ft, Aug. 26, 1992; minimum, -0.61 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT PERIOD.--May to September 1992: Maximum elevation recorded during period, 5.44 ft, Aug. 26; minimum elevation recorded during period, 0.72 ft, May 24.

Water year 1993: Maximum elevation, 2.86 ft, Nov. 4; minimum elevation, -0.61 ft, Mar. 14.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	1.52	2.11	1.40	1.87
2	---	---	---	---	---	---	---	---	1.68	2.01	1.36	1.92
3	---	---	---	---	---	---	---	---	1.79	1.95	1.28	1.97
4	---	---	---	---	---	---	---	---	1.60	1.71	1.29	1.93
5	---	---	---	---	---	---	---	---	1.42	1.34	1.33	1.92
6	---	---	---	---	---	---	---	---	1.60	1.22	1.43	1.96
7	---	---	---	---	---	---	---	---	1.73	1.19	1.45	2.01
8	---	---	---	---	---	---	---	---	1.84	1.14	1.54	2.01
9	---	---	---	---	---	---	---	---	1.75	1.13	1.55	1.91
10	---	---	---	---	---	---	---	---	1.61	1.16	1.59	1.83
11	---	---	---	---	---	---	---	---	1.55	1.18	1.65	1.73
12	---	---	---	---	---	---	---	---	1.53	1.26	1.85	1.77
13	---	---	---	---	---	---	---	---	1.49	1.39	1.97	1.79
14	---	---	---	---	---	---	---	---	1.51	1.74	1.87	2.14
15	---	---	---	---	---	---	---	---	1.48	1.86	1.65	2.33
16	---	---	---	---	---	---	---	---	1.38	1.71	1.53	2.45
17	---	---	---	---	---	---	---	---	1.55	1.69	1.59	2.38
18	---	---	---	---	---	---	---	---	1.51	1.61	1.70	2.22
19	---	---	---	---	---	---	---	1.77	1.32	1.56	1.67	2.10
20	---	---	---	---	---	---	---	1.67	1.29	1.52	1.61	1.96
21	---	---	---	---	---	---	---	1.71	1.24	1.65	1.65	1.99
22	---	---	---	---	---	---	---	1.65	1.36	1.61	1.76	2.02
23	---	---	---	---	---	---	---	1.52	1.43	1.73	1.73	1.84
24	---	---	---	---	---	---	---	1.16	1.53	1.93	1.82	1.79
25	---	---	---	---	---	---	---	1.17	1.62	1.89	2.56	2.09
26	---	---	---	---	---	---	---	1.17	1.74	1.80	4.68	2.52
27	---	---	---	---	---	---	---	1.28	1.80	1.71	2.84	2.41
28	---	---	---	---	---	---	---	1.52	1.80	1.54	2.26	2.30
29	---	---	---	---	---	---	---	1.56	1.83	1.43	2.14	2.16
30	---	---	---	---	---	---	---	1.52	2.45	1.45	1.97	2.12
31	---	---	---	---	---	---	---	1.49	---	1.45	1.95	---
MAX	---	---	---	---	---	---	---	1.77	2.45	2.11	4.68	2.52
MIN	---	---	---	---	---	---	---	1.16	1.24	1.13	1.28	1.73

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.25	1.86	.96	.88	.36	.78	.42	1.77	1.15	1.45	1.24	1.30
2	2.49	1.95	1.01	.86	.52	1.10	.39	1.76	1.15	1.43	1.20	1.51
3	2.54	1.91	1.16	1.11	.77	1.34	.60	1.62	1.17	1.38	1.30	1.51
4	2.42	2.36	1.22	1.49	1.02	.97	1.17	1.37	1.27	1.33	1.32	1.24
5	2.07	2.31	1.32	1.57	1.01	.61	.85	1.54	1.41	1.45	1.32	1.41
6	1.91	2.20	1.41	1.29	.83	.41	.78	1.49	1.42	1.48	1.40	1.58
7	1.99	2.07	1.46	1.18	.32	.38	1.04	1.40	1.44	1.38	1.44	1.62
8	1.96	1.69	1.34	1.22	.35	.32	1.57	1.57	1.48	1.27	1.39	1.62
9	1.87	1.51	1.36	1.23	.59	.27	1.20	1.74	1.56	1.19	1.51	1.64
10	1.96	1.50	1.31	1.38	1.08	.34	.88	1.63	1.51	1.13	1.53	1.60
11	1.89	1.86	1.12	1.44	1.31	.57	.84	1.46	1.39	1.08	1.46	1.44
12	1.59	1.82	1.07	1.34	.98	1.12	.82	1.23	1.31	1.10	1.54	1.46
13	1.59	1.66	1.09	.94	.76	.75	.99	.98	1.30	1.20	1.56	1.60
14	1.70	1.55	1.26	.91	.71	.24	1.40	.87	1.29	1.36	1.47	1.90
15	1.80	1.38	1.61	1.16	.86	.18	1.38	.88	1.41	1.32	1.14	1.81
16	1.82	1.23	1.63	.98	1.21	.97	.91	1.16	1.51	1.33	.95	1.57
17	1.70	1.30	1.41	.93	1.23	.92	.77	1.14	1.74	1.34	1.00	1.54
18	1.55	1.49	1.36	.90	1.14	.62	.80	1.26	2.10	1.43	1.19	1.59
19	1.56	1.63	1.52	.99	.94	.88	1.05	1.35	2.22	1.41	1.28	1.73
20	1.77	2.11	1.52	1.30	.76	.99	1.35	1.09	2.19	1.26	1.13	1.78
21	1.88	2.07	1.38	1.31	.86	.93	.94	1.10	2.00	.98	1.09	1.84
22	2.03	2.02	1.37	1.14	.99	.87	.70	1.19	1.80	.90	1.05	1.80
23	1.84	1.87	1.35	1.09	.95	.64	.75	1.38	1.65	.83	1.11	1.87
24	1.70	2.02	1.28	1.28	1.07	.70	.97	1.48	1.71	.83	1.00	1.65
25	1.72	1.88	1.23	1.19	1.36	.79	1.23	1.54	1.61	.99	1.18	1.54
26	1.73	1.68	1.36	.95	1.17	.82	1.18	1.50	1.45	1.17	1.26	1.45
27	1.75	1.52	1.33	.69	1.06	.67	1.15	1.54	1.34	1.35	1.36	1.28
28	1.76	1.35	1.25	.58	.85	.59	1.31	1.65	1.39	1.39	1.30	.74
29	1.74	1.36	1.27	.54	---	.74	1.44	1.53	1.41	1.27	1.33	.77
30	1.69	1.10	1.09	.57	---	.97	1.55	1.46	1.47	1.30	1.17	.80
31	1.72	---	.98	.49	---	.77	---	1.37	---	1.26	1.16	---
MAX	2.54	2.36	1.63	1.57	1.36	1.34	1.57	1.77	2.22	1.48	1.56	1.90
MIN	1.55	1.10	.96	.49	.32	.18	.39	.87	1.15	.83	.95	.74

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.--

WATER TEMPERATURES: May 1992 to current year.

SPECIFIC CONDUCTANCE: May 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 34.6°C, July 27, 1993; minimum daily, 6.5°C, Mar. 13, 1993.

SPECIFIC CONDUCTANCE: Maximum daily, 16,400 microsiemens, June 8, 1992; minimum daily, 955 microsiemens, Apr. 8, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	26.5	27.8	28.1	27.9
2	---	---	---	---	---	---	---	---	25.8	29.9	28.4	28.8
3	---	---	---	---	---	---	---	---	26.6	30.1	29.6	29.0
4	---	---	---	---	---	---	---	---	27.0	30.9	30.6	28.9
5	---	---	---	---	---	---	---	---	28.7	33.0	31.2	29.3
6	---	---	---	---	---	---	---	---	29.8	32.8	30.9	29.9
7	---	---	---	---	---	---	---	---	29.6	33.4	30.5	29.7
8	---	---	---	---	---	---	---	---	29.0	33.8	31.1	29.8
9	---	---	---	---	---	---	---	---	28.8	33.0	32.1	29.9
10	---	---	---	---	---	---	---	---	29.4	32.4	31.7	29.8
11	---	---	---	---	---	---	---	---	28.4	32.5	29.5	30.0
12	---	---	---	---	---	---	---	---	28.9	32.5	29.3	29.8
13	---	---	---	---	---	---	---	---	28.4	30.6	28.3	29.3
14	---	---	---	---	---	---	---	---	28.4	27.6	27.9	28.4
15	---	---	---	---	---	---	---	---	31.0	26.0	27.8	27.4
16	---	---	---	---	---	---	---	---	32.3	28.4	26.4	26.5
17	---	---	---	---	---	---	---	---	31.5	29.7	26.2	26.2
18	---	---	---	---	---	---	---	---	31.4	30.0	28.1	26.6
19	---	---	---	---	---	---	---	29.4	32.0	30.4	28.4	27.8
20	---	---	---	---	---	---	---	26.9	31.3	31.4	27.3	28.8
21	---	---	---	---	---	---	---	26.6	31.8	31.6	28.5	29.1
22	---	---	---	---	---	---	---	27.0	29.8	30.1	28.0	28.7
23	---	---	---	---	---	---	---	27.2	31.0	30.3	29.1	27.1
24	---	---	---	---	---	---	---	28.3	32.1	29.1	30.6	25.8
25	---	---	---	---	---	---	---	28.4	32.7	30.1	26.9	25.3
26	---	---	---	---	---	---	---	28.5	31.4	31.5	25.3	25.0
27	---	---	---	---	---	---	---	28.7	31.0	31.2	25.7	24.6
28	---	---	---	---	---	---	---	26.3	31.5	30.9	26.2	24.9
29	---	---	---	---	---	---	---	26.4	30.5	31.1	26.7	23.2
30	---	---	---	---	---	---	---	25.7	26.8	30.3	27.0	21.5
31	---	---	---	---	---	---	---	26.2	---	29.4	27.3	---
MEAN	---	---	---	---	---	---	---	---	29.8	30.7	28.5	27.6
MAX	---	---	---	---	---	---	---	---	32.7	33.8	32.1	30.0
MIN	---	---	---	---	---	---	---	---	25.8	26.0	25.3	21.5

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.7	23.8	12.6	16.3	14.2	15.2	20.6	23.0	28.5	32.7	33.5	31.8
2	20.0	21.9	12.9	15.7	13.6	17.1	18.3	21.4	28.7	33.5	32.4	31.9
3	20.6	21.5	12.9	18.5	14.0	16.8	17.3	23.0	28.8	32.9	32.4	28.6
4	21.4	20.4	16.9	21.2	14.7	16.3	17.2	24.7	29.1	31.0	31.9	29.4
5	23.2	14.6	15.7	19.9	14.5	16.7	17.5	25.6	30.4	31.1	31.9	31.1
6	24.1	11.8	14.8	16.9	12.2	16.8	17.9	26.4	31.3	31.1	31.7	30.9
7	23.6	11.1	17.2	16.0	12.3	17.4	19.4	26.9	31.2	31.5	30.3	30.5
8	23.9	12.5	13.9	15.4	14.9	19.4	19.0	26.5	30.5	31.2	30.7	31.6
9	23.9	15.3	13.5	16.2	16.2	20.5	18.1	26.3	30.6	29.2	33.2	32.4
10	23.8	18.0	15.1	16.9	16.2	20.1	19.7	26.4	30.7	28.6	33.7	30.7
11	23.5	19.9	14.1	18.4	17.7	17.7	21.6	24.7	31.1	29.4	33.4	30.3
12	22.0	20.7	13.5	20.2	16.7	11.9	23.7	25.5	31.8	29.6	33.7	30.6
13	23.7	14.6	13.9	16.8	15.1	6.5	24.4	24.4	32.8	29.1	33.7	30.2
14	24.2	13.7	15.9	12.6	15.2	8.1	23.8	25.1	33.2	29.9	33.9	29.7
15	24.7	14.8	17.0	11.6	17.0	11.6	22.1	27.2	32.8	31.5	31.2	29.4
16	24.4	15.1	15.8	12.1	19.3	13.7	18.4	28.2	31.0	31.7	29.5	28.1
17	22.1	16.2	15.4	14.0	14.2	14.6	19.6	28.5	29.1	32.7	31.1	28.9
18	21.0	17.5	13.3	16.8	11.4	15.1	21.9	27.5	28.2	33.5	32.8	30.3
19	19.4	19.4	14.7	19.1	10.2	16.6	22.6	27.0	27.4	33.4	32.4	30.6
20	20.6	19.7	19.5	19.3	16.2	15.9	22.8	25.2	27.8	33.0	28.6	31.0
21	22.0	20.8	21.5	20.2	19.7	17.6	20.8	24.6	29.5	30.6	30.3	31.2
22	22.8	20.8	21.9	19.2	20.3	19.9	17.9	24.1	28.6	28.5	31.0	32.0
23	23.3	16.3	21.7	19.9	16.4	21.5	20.5	24.0	27.3	29.0	32.1	32.7
24	24.3	17.5	18.4	18.6	15.8	21.8	21.6	25.3	28.4	29.8	31.3	32.6
25	24.7	18.2	16.6	11.7	15.9	21.2	23.5	26.1	29.5	30.5	31.8	31.3
26	25.2	14.6	16.4	10.2	16.5	20.1	24.5	27.4	30.5	33.1	29.5	30.5
27	24.4	11.1	15.6	8.9	12.3	18.7	23.4	27.3	30.0	34.6	29.6	27.3
28	24.6	10.9	17.3	11.7	14.0	21.7	22.6	27.0	30.7	33.3	30.6	21.3
29	24.8	10.6	17.9	13.4	---	23.2	22.5	28.1	31.5	32.3	31.1	24.0
30	24.1	12.8	18.5	12.9	---	23.7	23.5	30.2	32.0	32.6	29.2	25.0
31	24.6	---	18.0	13.3	---	23.9	---	30.6	---	33.7	29.8	---
MEAN	23.1	16.5	16.2	15.9	15.2	17.5	20.9	26.1	30.1	31.4	31.6	29.9
MAX	25.2	23.8	21.9	21.2	20.3	23.9	24.5	30.6	33.2	34.6	33.9	32.7
MIN	19.4	10.6	12.6	8.9	10.2	6.5	17.2	21.4	27.3	28.5	28.6	21.3

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	---	---	---	---	---	---	---	---	12600	7360	8580	7480
2	---	---	---	---	---	---	---	---	13200	9360	8540	7430
3	---	---	---	---	---	---	---	---	13000	8890	7990	6810
4	---	---	---	---	---	---	---	---	12600	8690	7980	6460
5	---	---	---	---	---	---	---	---	12900	9740	7580	6270
6	---	---	---	---	---	---	---	---	13900	9830	6920	5760
7	---	---	---	---	---	---	---	---	15400	10000	6490	6090
8	---	---	---	---	---	---	---	---	16400	10300	6630	5960
9	---	---	---	---	---	---	---	---	14900	9790	6420	5920
10	---	---	---	---	---	---	---	---	13400	9160	6280	5770
11	---	---	---	---	---	---	---	---	12800	9240	6220	5550
12	---	---	---	---	---	---	---	---	13100	9410	6130	5530
13	---	---	---	---	---	---	---	---	12400	10100	5590	5470
14	---	---	---	---	---	---	---	---	12100	10800	5300	5320
15	---	---	---	---	---	---	---	---	12400	9150	5390	5130
16	---	---	---	---	---	---	---	---	12400	9550	5070	5050
17	---	---	---	---	---	---	---	---	12700	10000	4270	5110
18	---	---	---	---	---	---	---	---	12000	9830	4350	5040
19	---	---	---	---	---	---	---	---	12000	9690	4150	5090
20	---	---	---	---	---	---	---	9640	10900	10100	4240	5030
21	---	---	---	---	---	---	---	11200	9870	9540	4900	4950
22	---	---	---	---	---	---	---	12800	8370	9410	4570	4790
23	---	---	---	---	---	---	---	12800	9070	9410	5050	4690
24	---	---	---	---	---	---	---	12000	8400	9980	5470	5590
25	---	---	---	---	---	---	---	12200	8980	9770	4170	5720
26	---	---	---	---	---	---	---	12500	8480	9640	3510	5640
27	---	---	---	---	---	---	---	12600	7860	8890	4120	5500
28	---	---	---	---	---	---	---	13000	8200	8880	4610	5440
29	---	---	---	---	---	---	---	12100	8280	9090	4890	5310
30	---	---	---	---	---	---	---	11400	6750	8890	5090	5130
31	---	---	---	---	---	---	---	11800	---	8410	5210	---
MEAN	---	---	---	---	---	---	---	---	11500	9450	5670	5630
MAX	---	---	---	---	---	---	---	---	16400	10800	8580	7480
MIN	---	---	---	---	---	---	---	---	6750	7360	3510	4690

MISSISSIPPI RIVER DELTA

07380340 TENNESSEE CANAL NEAR CUTOFF, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4990	4850	2480	2130	2110	1740	2180	2930	3490	4680	3670	2230
2	4880	5360	2300	2150	2070	1660	1790	2920	3580	5240	3420	2350
3	4830	5320	2290	1900	1790	1510	1460	3060	3930	4920	3220	2200
4	4780	4880	2520	1970	1640	1730	999	3350	4720	4080	3240	2040
5	4820	3430	2110	1930	1590	2050	1130	3510	5190	5050	2810	1980
6	4910	2940	1850	1860	1490	2200	1300	3740	5990	5110	2310	2050
7	4870	3130	1850	1740	2130	2350	1140	3660	7840	4600	2140	1980
8	4800	3220	2060	1640	2300	2580	955	4010	9360	4920	2790	2080
9	4740	3310	1960	1760	2170	2510	1030	5070	10500	4840	3220	2060
10	4750	3540	2050	1570	1770	2180	1210	5560	11100	4260	3010	1850
11	4680	2650	2200	1610	1660	1850	1300	4850	11700	4330	2800	1810
12	4230	2800	2330	1710	1940	1060	1510	3780	10800	4020	2780	1950
13	3960	2780	2260	1790	2180	1120	1810	3520	9730	4190	2700	2520
14	3850	2630	2030	1930	2160	1500	2140	3010	8260	4370	2950	4020
15	3780	2660	2100	1480	2220	1910	2330	2670	7740	4240	3190	4520
16	3680	2730	1950	1690	2080	1520	1850	2380	7030	4130	3370	3050
17	3760	2630	1750	1790	1970	1330	1670	2410	6710	4210	3660	2650
18	3990	2460	1740	1840	1870	1510	1930	2440	5800	4370	3400	2830
19	3880	2400	1650	1790	1850	1240	3100	2230	7450	4070	2710	2950
20	3750	2570	1900	1570	2010	1180	4770	1970	11900	4130	3230	3290
21	3620	2760	2110	1670	2230	1300	3510	1490	14100	4180	3600	3290
22	3470	2990	2180	1740	2190	1560	2370	1480	12600	3680	3190	3260
23	3900	2740	2220	1860	2210	1580	3130	1620	12000	4130	2980	3270
24	4000	3060	1980	1580	1750	1610	3330	2750	11500	4100	2720	3240
25	3760	2890	1990	1510	1970	1550	3440	3290	9910	3900	2970	3100
26	4100	2240	1910	1560	1730	1440	3010	3580	8730	3820	2510	3210
27	4110	2340	1810	1840	1660	1410	2470	3880	7020	3820	2280	2820
28	4190	2290	1970	2010	1680	1600	1720	4190	6960	3370	2560	2420
29	4400	2340	1930	1940	---	1590	2600	5040	5850	3390	2410	2540
30	4400	2490	2250	1880	---	1740	3320	4860	4960	3180	2180	2610
31	4570	---	2200	2050	---	1850	---	4190	---	3740	2230	---
MEAN	4270	3080	2060	1790	1940	1680	2150	3340	8210	4230	2910	2670
MAX	4990	5360	2520	2150	2300	2580	4770	5560	14100	5240	3670	4520
MIN	3470	2240	1650	1480	1490	1060	955	1480	3490	3180	2140	1810

MISSISSIPPI RIVER DELTA

07381000 BAYOU LAFOURCHE AT THIBODAUX, LA

LOCATION.--Lat 29°47'52", long 90°49'21", in sec. 117, T. 15 S., R. 16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi upstream from Laurel Valley Canal.

PERIOD OF RECORD.--October 1984 to current year. April 1966 to September 1984 (elevations only). Unpublished records, May 1954 to July 1957, available in files of the Louisiana District Office, Baton Rouge, La.

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

REMARKS.--No estimated daily discharges. Records fair. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Artificial control located about 1,000 ft downstream since Nov. 5, 1968. About 5.1 ft³/s is diverted daily from the stream above weir for city of Thibodaux water supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.76 ft, May 9, 1991; minimum, 0.82 ft, Dec. 2, 1966.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	149	163	220	203	244	302	353	274	208	222	250
2	149	186	165	221	196	383	280	369	263	177	241	215
3	162	149	164	217	192	401	288	238	261	188	256	199
4	170	394	174	228	196	275	451	195	260	202	261	236
5	168	314	177	219	196	232	371	184	258	205	271	256
6	160	152	172	203	210	222	309	216	245	203	274	259
7	156	100	189	205	207	224	302	239	242	202	291	296
8	156	103	188	234	200	227	737	245	245	222	293	249
9	152	103	237	199	191	238	562	256	239	285	280	212
10	150	104	264	257	245	268	347	272	233	297	266	191
11	147	170	204	286	294	276	278	228	245	280	264	186
12	140	265	189	223	199	307	283	196	230	246	271	171
13	136	221	183	205	159	343	276	192	207	216	275	176
14	128	138	171	195	143	276	315	177	192	231	279	198
15	125	116	228	252	133	276	530	192	198	318	283	236
16	124	111	337	233	181	369	347	251	202	352	287	221
17	118	111	363	207	197	372	281	261	205	241	277	205
18	120	109	191	196	193	272	287	242	224	198	259	215
19	119	108	157	194	185	244	284	241	248	186	256	227
20	116	183	172	237	196	264	281	199	413	214	258	221
21	114	187	180	279	197	255	271	173	524	254	266	207
22	115	204	191	234	202	273	278	164	378	289	274	207
23	118	177	197	217	197	263	286	169	307	299	270	223
24	120	456	205	214	202	235	293	176	248	239	262	232
25	121	304	210	204	221	230	299	206	250	215	259	221
26	119	193	214	202	229	263	301	227	273	210	259	216
27	115	172	217	188	234	291	302	241	268	206	261	213
28	120	171	218	189	240	303	308	260	247	205	254	199
29	121	163	219	193	---	308	290	274	231	208	264	206
30	126	163	222	203	---	313	254	277	217	213	266	205
31	130	---	220	203	---	313	---	282	---	215	264	---
TOTAL	4172	5476	6381	6757	5638	8760	9993	7195	7827	7224	8263	6548
MEAN	135	183	206	218	201	283	333	232	261	233	267	218
MAX	170	456	363	286	294	401	737	369	524	352	293	296
MIN	114	100	157	188	133	222	254	164	192	177	222	171
CAL YR 1992	TOTAL 70396		MEAN 192		MAX 921		MIN 92					
WTR YR 1993	TOTAL 84234		MEAN 231		MAX 737		MIN 100					

MISSISSIPPI RIVER DELTA
07381000 BAYOU LAFOURCHE AT THIBODAUX, LA--Continued
ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.19	5.22	5.21	5.37	5.33	5.44	5.44	5.66	5.59	5.37	5.41	5.48
2	5.18	5.33	5.22	5.37	5.31	5.76	5.38	5.78	5.56	5.28	5.46	5.39
3	5.21	5.23	5.21	5.36	5.30	5.70	5.40	5.50	5.55	5.31	5.50	5.33
4	5.25	5.81	5.24	5.39	5.31	5.37	5.86	5.38	5.55	5.35	5.51	5.44
5	5.25	5.64	5.25	5.37	5.31	5.26	5.61	5.35	5.55	5.36	5.54	5.49
6	5.23	5.23	5.24	5.33	5.35	5.23	5.46	5.44	5.52	5.36	5.55	5.50
7	5.22	5.06	5.29	5.33	5.34	5.23	5.44	5.50	5.51	5.35	5.58	5.59
8	5.23	5.07	5.28	5.41	5.32	5.24	6.50	5.52	5.52	5.40	5.59	5.46
9	5.21	5.08	5.41	5.31	5.29	5.27	6.16	5.54	5.51	5.57	5.56	5.36
10	5.22	5.08	5.49	5.47	5.43	5.35	5.65	5.58	5.49	5.59	5.52	5.30
11	5.21	5.28	5.33	5.55	5.56	5.37	5.47	5.48	5.52	5.56	5.52	5.29
12	5.19	5.52	5.29	5.38	5.31	5.45	5.48	5.39	5.48	5.47	5.54	5.24
13	5.19	5.42	5.27	5.33	5.20	5.54	5.46	5.38	5.42	5.39	5.55	5.25
14	5.16	5.19	5.23	5.30	5.15	5.37	5.56	5.33	5.37	5.43	5.56	5.31
15	5.15	5.12	5.38	5.46	5.12	5.37	6.10	5.37	5.39	5.64	5.57	5.42
16	5.15	5.10	5.67	5.41	5.26	5.62	5.65	5.53	5.40	5.72	5.58	5.38
17	5.13	5.10	5.73	5.34	5.31	5.62	5.47	5.56	5.41	5.46	5.55	5.33
18	5.13	5.10	5.29	5.31	5.30	5.36	5.49	5.51	5.46	5.34	5.51	5.35
19	5.13	5.09	5.19	5.30	5.28	5.29	5.48	5.51	5.53	5.31	5.50	5.38
20	5.12	5.31	5.24	5.42	5.31	5.34	5.47	5.40	5.87	5.39	5.51	5.37
21	5.11	5.33	5.26	5.53	5.31	5.32	5.45	5.32	6.09	5.49	5.53	5.33
22	5.12	5.38	5.29	5.41	5.32	5.36	5.47	5.29	5.78	5.58	5.55	5.33
23	5.13	5.30	5.31	5.36	5.31	5.34	5.49	5.31	5.62	5.60	5.54	5.36
24	5.13	5.94	5.33	5.36	5.32	5.26	5.50	5.33	5.48	5.45	5.52	5.39
25	5.14	5.59	5.34	5.33	5.37	5.25	5.52	5.41	5.49	5.39	5.51	5.36
26	5.13	5.30	5.36	5.32	5.40	5.34	5.53	5.47	5.54	5.38	5.51	5.34
27	5.12	5.24	5.37	5.28	5.41	5.41	5.53	5.51	5.53	5.36	5.51	5.33
28	5.13	5.23	5.37	5.29	5.43	5.44	5.54	5.55	5.48	5.36	5.50	5.29
29	5.14	5.21	5.37	5.30	---	5.45	5.50	5.59	5.43	5.37	5.52	5.30
30	5.15	5.21	5.38	5.33	---	5.46	5.40	5.59	5.39	5.38	5.53	5.30
31	5.17	---	5.37	5.33	---	5.46	---	5.61	---	5.39	5.52	---
MAX	5.25	5.94	5.73	5.55	5.56	5.76	6.50	5.78	6.09	5.72	5.59	5.59
MIN	5.11	5.06	5.19	5.28	5.12	5.23	5.38	5.29	5.37	5.28	5.41	5.24

MISSISSIPPI RIVER DELTA

07381324 BAYOU GRAND CAILLOU AT DULAC, LA

LOCATION.--Lat 29°22'58", long 90°42'55", in sec.86, T.19 S, R.17 E., St. Helena Meridian, Terrebonne Parish Hydrologic Unit 08090302, on downstream side of Bouquet Bridge, 0.1 mi west of intersection of parish road and Highway 57, 0.8 mi south of Dulac, 16.4 mi south of Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to Sept. 30, 1988 (daily discharges below 6.0 ft stage only, discontinued); January 1989 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 4.00 ft below sea level. Prior to Oct. 1, 1985, datum of gage 2.00 ft higher.

REMARKS.--No estimated daily discharge. Records poor. No gage-height record: Dec. 4-16, Dec. 27 to Jan. 21. No velocity record: Aug. 8-24. Flow occasionally reversed as a result of tide and wind effect.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 2,640 ft³/s, Oct. 13, 1984; maximum gage height, 8.89 ft, Oct. 28, 1985; maximum negative discharge, -1,470 ft³/s, Oct. 28, 1985; no flow at times each year.

EXTREMES FOR CURRENT PERIOD.--Maximum positive daily discharge recorded, 369 ft³/s, Nov. 5, but may have been higher during periods of missing record; maximum negative daily discharge recorded, -301 ft³/s, Oct. 3, but may have been higher during periods of missing record; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	-82	48	---	50	-12	94	250	40	.58	15	27
2	-155	41	92	---	18	21	44	195	-34	-15	-47	-6.8
3	-301	-54	12	---	30	66	-33	232	-7.7	-19	-24	27
4	-135	279	---	---	49	81	90	139	-32	-41	-17	29
5	96	369	---	---	151	58	81	61	-27	-46	-28	-9.5
6	37	283	---	---	113	23	22	93	-12	-40	-55	-15
7	26	191	---	---	66	1.1	-74	58	-50	-32	-31	-7.9
8	53	93	---	---	45	8.7	111	-17	-88	-14	---	-.23
9	73	40	---	---	4.3	-4.2	253	-29	-54	-8.8	---	-16
10	4.8	28	---	---	-7.3	-25	89	44	-37	-9.7	---	22
11	202	117	---	---	122	-43	74	126	-42	-24	---	7.7
12	49	300	---	---	186	113	47	55	-36	-46	---	-46
13	11	242	---	---	89	83	-52	101	-41	-57	---	-78
14	20	113	---	---	31	-17	-91	39	-55	-52	---	-63
15	54	119	---	---	-35	-98	150	17	-77	-46	---	20
16	81	81	---	---	163	21	133	10	-55	-28	---	34
17	68	14	292	---	78	230	89	.89	-54	-44	---	-1.4
18	86	10	132	---	68	84	107	-15	-82	-46	---	-42
19	-7.6	-80	82	---	7.7	68	-32	16	-152	-33	---	-54
20	-74	-160	177	---	13	141	63	-13	-73	-31	---	-51
21	-132	-173	140	---	40	165	175	-32	40	-25	---	-37
22	-152	63	100	114	54	97	77	-32	77	-18	---	-33
23	-19	83	135	63	25	103	-3.8	-57	240	-26	---	-19
24	-2.8	284	134	126	-39	71	25	10	163	-37	---	-61
25	1.7	281	45	106	65	44	-14	11	179	-39	-2.1	-73
26	19	361	172	101	96	62	139	25	138	-39	23	-85
27	20	250	---	51	25	49	2.7	-8.7	104	-50	90	-6.2
28	55	189	---	61	60	16	-41	-41	51	-54	54	-63
29	17	134	---	83	---	-13	6.8	13	8.5	2.2	50	-73
30	52	83	---	64	---	-13	31	35	12	42	83	-67
31	21	---	---	39	---	192	---	16	---	30	58	---
TOTAL	88.1	3499	---	---	1567.7	1572.6	1576.56	1302.19	43.8	-845.72	---	-741.33
MEAN	2.84	117	---	---	56.0	50.7	52.6	42.0	1.46	-27.3	---	-24.7

MISSISSIPPI RIVER DELTA

07381324 BAYOU GRAND CAILLOU AT DULAC, LA--Continued

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.81	4.90	4.02	---	3.82	4.12	3.95	4.92	4.35	4.37	4.13	4.35
2	5.02	4.73	3.94	---	3.98	4.46	3.70	5.02	4.56	4.30	4.26	4.53
3	5.26	4.83	4.10	---	4.19	4.54	4.01	4.88	4.58	4.28	4.32	4.56
4	5.27	4.98	---	---	4.38	4.21	4.34	4.73	4.61	4.45	4.29	4.36
5	4.85	4.27	---	---	4.41	3.86	4.10	4.82	4.63	4.50	4.30	4.46
6	4.67	3.97	---	---	4.04	3.69	4.14	4.78	4.50	4.47	4.40	4.59
7	4.78	4.02	---	---	3.82	3.76	4.41	4.73	4.60	4.34	4.42	4.66
8	4.73	4.10	---	---	3.91	3.74	4.69	4.84	4.71	4.16	4.33	4.68
9	4.60	4.28	---	---	4.07	3.68	4.46	4.95	4.71	4.27	4.25	4.67
10	4.78	4.40	---	---	4.45	3.79	4.33	4.87	4.59	4.25	4.26	4.60
11	4.53	4.67	---	---	4.67	3.85	4.36	4.59	4.44	4.18	4.29	4.50
12	4.40	4.65	---	---	4.27	3.78	4.27	4.53	4.35	4.29	4.41	4.66
13	4.54	4.05	---	---	3.98	2.61	4.37	4.28	4.28	4.40	4.42	4.93
14	4.61	4.18	---	---	4.05	3.07	4.73	4.16	4.17	4.41	4.36	5.22
15	4.68	4.15	---	---	4.30	3.47	4.55	4.26	4.33	4.37	4.27	4.97
16	4.68	4.08	---	---	4.45	4.46	4.03	4.32	4.57	4.37	4.16	4.68
17	4.57	4.30	4.32	---	4.08	4.04	4.08	4.33	4.83	4.35	4.11	4.66
18	4.42	4.47	4.39	---	3.92	3.99	4.01	4.55	5.09	4.40	4.20	4.81
19	4.40	4.64	4.64	---	3.97	4.16	4.36	4.48	5.33	4.37	4.26	5.03
20	4.67	5.07	4.59	---	4.15	4.18	4.53	4.42	5.36	4.23	4.25	5.09
21	4.72	5.07	4.42	---	4.45	4.12	3.95	4.55	5.17	4.09	4.18	5.06
22	4.87	5.04	4.45	4.29	4.28	4.13	3.90	4.66	4.98	4.10	4.17	4.97
23	4.76	4.76	4.36	4.45	4.17	3.97	4.22	4.86	4.95	4.03	4.12	4.90
24	4.65	5.02	4.14	4.37	4.34	3.97	4.41	4.89	4.88	3.97	4.15	4.80
25	4.63	4.79	4.34	4.28	4.59	4.18	4.53	4.87	4.71	4.00	4.16	4.83
26	4.64	4.37	4.23	4.00	4.27	4.13	4.32	4.78	4.54	4.05	4.48	4.85
27	4.70	4.04	---	3.93	4.18	4.07	4.33	4.83	4.47	4.21	4.56	4.38
28	4.69	3.98	---	3.93	4.14	4.12	4.55	4.91	4.60	4.29	4.43	4.28
29	4.65	3.94	---	3.82	---	4.23	4.72	4.83	4.58	4.26	4.43	4.46
30	4.61	3.91	---	3.89	---	4.44	4.73	4.69	4.48	4.28	4.35	4.58
31	4.59	---	---	3.87	---	4.39	---	4.58	---	4.18	4.34	---
MAX	5.27	5.07	---	---	4.67	4.54	4.73	5.02	5.36	4.50	4.56	5.22
MIN	4.40	3.91	---	---	3.82	2.61	3.70	4.16	4.17	3.97	4.11	4.28

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA

LOCATION.--Lat 29°23' 06", long 90°43' 47", T. 19 S, R. 17 E, Terrebonne Parish, Hydrologic Unit 08090302, on a pontoon bridge 2 mi west of Dulac.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite Data Collection Platform (DCP) with gage height, specific conductance, and water temperature sensors. Datum of gage is 10.00 ft above sea level.

REMARKS.--Gage height affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.91 ft, Aug. 26, 1992; minimum, 8.73 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT PERIOD.--May to September 1992: Maximum gage height recorded during period, 14.91 ft, Aug. 26; minimum gage height recorded during period, 9.20 ft, May 8.

Water year 1993: Maximum gage height, 11.66 ft, June 20, but may have been higher during periods of missing gage height records; minimum gage height, 8.73 ft, Mar. 13, but may have been lesser during periods of missing gage height records.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	10.17	10.44	10.99	10.10	10.83
2	---	---	---	---	---	---	---	10.16	10.62	---	10.17	10.92
3	---	---	---	---	---	---	---	10.07	10.74	10.70	10.06	10.89
4	---	---	---	---	---	---	---	10.03	10.61	10.38	10.17	10.73
5	---	---	---	---	---	---	---	10.17	10.51	10.12	10.24	10.77
6	---	---	---	---	---	---	---	9.90	10.56	10.03	10.27	10.83
7	---	---	---	---	---	---	---	9.86	10.62	10.03	10.32	10.92
8	---	---	---	---	---	---	---	9.87	10.54	9.98	10.40	10.84
9	---	---	---	---	---	---	---	9.85	10.59	10.02	10.41	10.80
10	---	---	---	---	---	---	---	10.00	10.51	10.07	10.47	10.70
11	---	---	---	---	---	---	---	10.12	10.39	10.13	10.57	10.59
12	---	---	---	---	---	---	---	9.93	10.47	10.20	10.69	10.53
13	---	---	---	---	---	---	---	9.95	10.44	10.37	10.68	10.64
14	---	---	---	---	---	---	---	10.01	10.46	10.57	10.53	10.92
15	---	---	---	---	---	---	---	10.15	10.44	10.70	10.32	10.98
16	---	---	---	---	---	---	---	10.22	10.38	10.66	10.29	11.05
17	---	---	---	---	---	---	---	10.44	10.44	10.66	10.37	11.14
18	---	---	---	---	---	---	---	10.45	10.32	10.48	10.45	11.07
19	---	---	---	---	---	---	---	10.52	10.12	10.39	10.43	10.97
20	---	---	---	---	---	---	---	10.57	10.16	10.37	10.48	10.89
21	---	---	---	---	---	---	---	10.56	10.07	10.43	10.55	10.97
22	---	---	---	---	---	---	10.67	10.46	10.07	10.48	10.61	10.93
23	---	---	---	---	---	---	10.55	10.42	10.27	10.62	10.74	10.57
24	---	---	---	---	---	---	10.24	10.12	10.39	10.77	10.71	10.64
25	---	---	---	---	---	---	9.95	10.17	10.51	10.71	10.96	10.87
26	---	---	---	---	---	---	9.76	10.17	10.51	10.73	13.90	10.95
27	---	---	---	---	---	---	9.74	10.17	10.54	10.71	12.28	10.93
28	---	---	---	---	---	---	9.61	10.54	10.61	10.52	11.36	10.95
29	---	---	---	---	---	---	10.06	10.48	10.67	10.42	11.10	10.71
30	---	---	---	---	---	---	10.11	10.27	10.92	10.46	10.96	10.73
31	---	---	---	---	---	---	---	10.29	---	10.25	10.92	---
MAX	---	---	---	---	---	---	10.67	10.57	10.92	10.99	13.90	11.14
MIN	---	---	---	---	---	---	9.61	9.85	10.07	9.98	10.06	10.53

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.83	10.95	10.14	9.98	10.01	10.32	---	10.89	10.70	10.68	10.43	10.49
2	11.05	10.73	10.02	10.12	10.18	10.71	---	11.02	10.87	10.61	10.51	10.47
3	11.31	10.89	10.25	10.38	10.39	10.76	---	10.98	10.84	10.56	---	10.45
4	11.31	10.95	10.44	10.75	10.56	10.43	---	10.92	10.87	10.72	---	10.33
5	10.87	10.17	10.22	10.62	10.57	10.10	---	10.99	10.96	10.78	10.51	10.43
6	10.71	9.97	10.57	10.47	10.18	9.94	---	10.92	10.88	10.77	10.55	10.51
7	10.83	10.06	10.49	10.53	10.00	10.03	---	10.85	10.91	10.67	10.55	10.57
8	10.81	10.12	10.31	10.63	10.08	10.00	---	10.90	10.93	10.55	10.50	10.58
9	10.64	10.31	10.63	10.67	10.23	9.95	---	11.00	10.93	10.74	10.45	---
10	10.85	10.44	10.41	10.70	10.63	10.07	---	11.05	10.86	10.87	10.45	---
11	10.54	10.73	10.19	10.64	10.85	10.13	---	10.91	10.77	10.80	10.44	---
12	10.45	10.72	10.21	10.68	10.43	10.00	---	10.84	10.71	10.80	10.55	---
13	10.61	10.07	10.26	10.13	10.15	8.95	---	10.72	10.62	10.91	10.58	---
14	10.66	10.27	10.48	10.21	10.22	9.44	---	10.70	10.49	10.93	10.55	---
15	10.71	10.24	10.86	10.46	10.52	9.84	---	10.78	10.58	10.92	10.50	---
16	10.72	10.15	10.62	10.37	10.62	10.87	10.10	10.84	10.70	10.90	10.46	---
17	10.60	10.40	10.44	10.44	10.20	10.19	10.15	10.84	10.87	10.86	10.38	10.79
18	10.45	10.57	10.52	10.41	10.06	10.11	10.08	10.86	11.13	10.86	10.39	10.82
19	10.43	10.71	10.80	10.43	10.14	---	10.27	10.71	11.38	10.80	10.44	10.95
20	10.69	11.12	10.68	10.69	10.34	---	10.41	10.83	11.45	10.63	10.45	10.99
21	10.71	11.10	10.51	10.73	10.67	---	10.23	11.04	11.26	10.54	10.42	10.99
22	10.85	11.12	10.55	10.56	10.39	---	10.38	11.14	11.18	10.59	10.35	10.94
23	10.75	10.80	10.46	10.60	10.29	---	10.48	11.25	11.23	10.50	10.26	10.84
24	10.66	11.13	10.19	10.49	10.47	---	10.53	11.23	11.21	10.45	10.37	10.68
25	10.65	10.84	10.49	10.45	10.76	---	10.61	11.25	11.12	10.48	10.59	10.64
26	10.68	10.42	10.38	10.16	10.39	---	10.51	11.23	10.98	10.47	---	10.65
27	10.74	10.14	10.48	10.12	10.36	---	10.59	11.25	10.90	10.48	10.70	10.39
28	10.73	10.10	10.36	10.10	10.30	---	10.73	11.26	10.97	10.54	10.65	10.68
29	10.68	10.04	10.34	9.96	---	---	10.79	11.14	10.91	10.54	10.49	11.00
30	10.65	10.02	10.20	10.08	---	---	10.74	10.94	10.80	10.54	10.37	11.23
31	10.63	---	10.12	10.05	---	---	---	10.80	---	10.46	10.36	---
MAX	11.31	11.13	10.86	10.75	10.85	10.87	10.79	11.26	11.45	10.93	10.70	11.23
MIN	10.43	9.97	10.02	9.96	10.00	8.95	10.08	10.70	10.49	10.45	10.26	10.33

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.--

WATER TEMPERATURES: June 1992 to current year.

SPECIFIC CONDUCTANCE: April 1992 to current year.

REMARKS.--Specific conductance sensor only furnished satisfactory data when specific conductance values were above 200 microsiemens.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 33.2°C, July 12, 1992; minimum daily, 8.8°C, Mar. 13, 1993.

SPECIFIC CONDUCTANCE: Maximum daily, 27,500 microsiemens, Nov. 21, 1992; minimum daily, <200 microsiemens, on several days during the water years, 1992 and 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	28.7	30.0	28.0
2	---	---	---	---	---	---	---	---	---	---	29.9	28.2
3	---	---	---	---	---	---	---	---	---	29.4	30.0	28.1
4	---	---	---	---	---	---	---	---	26.9	29.9	30.0	---
5	---	---	---	---	---	---	---	---	27.2	30.8	30.4	28.5
6	---	---	---	---	---	---	---	---	27.9	31.2	---	28.6
7	---	---	---	---	---	---	---	---	28.0	31.5	30.7	28.6
8	---	---	---	---	---	---	---	---	28.1	31.9	30.9	---
9	---	---	---	---	---	---	---	---	28.7	32.1	30.8	28.7
10	---	---	---	---	---	---	---	---	28.9	32.2	30.5	28.9
11	---	---	---	---	---	---	---	---	28.6	32.3	30.3	29.2
12	---	---	---	---	---	---	---	---	28.5	32.4	29.9	29.2
13	---	---	---	---	---	---	---	---	28.8	32.1	29.5	29.1
14	---	---	---	---	---	---	---	---	28.7	31.0	28.9	29.0
15	---	---	---	---	---	---	---	---	29.2	29.7	28.6	28.2
16	---	---	---	---	---	---	---	---	29.8	29.5	28.5	27.3
17	---	---	---	---	---	---	---	---	30.3	30.1	28.2	26.5
18	---	---	---	---	---	---	---	---	---	30.0	28.3	27.1
19	---	---	---	---	---	---	---	---	31.0	29.9	28.3	28.0
20	---	---	---	---	---	---	---	---	31.1	29.9	28.1	28.2
21	---	---	---	---	---	---	---	---	31.1	30.1	28.3	28.4
22	---	---	---	---	---	---	---	---	30.7	29.8	---	28.3
23	---	---	---	---	---	---	---	---	30.8	29.9	28.2	28.0
24	---	---	---	---	---	---	---	---	31.0	29.6	28.7	27.4
25	---	---	---	---	---	---	---	---	---	29.3	28.0	27.0
26	---	---	---	---	---	---	---	---	31.2	29.5	25.6	26.4
27	---	---	---	---	---	---	---	---	---	29.7	26.2	26.0
28	---	---	---	---	---	---	---	---	31.1	30.0	---	25.6
29	---	---	---	---	---	---	---	---	31.0	30.2	---	24.8
30	---	---	---	---	---	---	---	---	29.8	30.4	27.3	---
31	---	---	---	---	---	---	---	---	---	---	27.7	---
MEAN	---	---	---	---	---	---	---	---	29.5	30.5	29.0	27.8
MAX	---	---	---	---	---	---	---	---	31.2	32.4	30.9	29.2
MIN	---	---	---	---	---	---	---	---	26.9	28.7	25.6	24.8

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.1	24.1	12.7	14.9	12.6	14.9	18.7	21.6	26.6	30.5	31.3	29.8
2	21.4	23.3	12.6	14.5	12.9	15.6	18.0	20.8	26.8	30.9	31.4	29.8
3	21.0	23.1	12.4	15.1	12.7	15.6	17.5	21.2	27.3	31.1	---	29.8
4	21.8	22.0	13.2	16.2	13.1	15.0	17.7	22.1	27.5	30.8	---	29.4
5	22.9	19.4	13.8	16.7	12.9	14.7	17.3	22.9	27.6	30.7	31.4	29.6
6	23.5	17.6	13.7	15.0	12.5	15.3	16.7	23.8	28.0	30.7	31.2	29.6
7	23.7	16.4	14.4	13.9	12.1	15.4	17.2	24.3	28.5	30.9	30.7	29.6
8	23.9	15.6	13.4	13.7	12.5	16.3	17.7	24.7	28.6	31.0	30.4	29.6
9	23.8	15.3	13.2	13.8	13.2	16.8	17.2	25.0	28.7	30.2	30.2	29.8
10	23.8	15.6	13.4	13.5	13.6	16.7	17.7	24.9	28.9	29.3	30.4	29.8
11	23.8	16.8	12.6	13.7	14.0	16.6	18.4	24.4	29.1	29.3	30.7	29.7
12	23.5	17.8	11.9	14.2	14.7	14.4	19.7	24.7	29.2	29.4	30.9	29.8
13	23.4	16.6	11.9	15.8	14.1	9.9	20.7	24.7	29.7	29.2	31.0	29.6
14	23.7	16.4	12.9	14.2	14.2	11.1	20.9	24.8	30.4	29.4	31.1	28.9
15	24.0	16.1	14.6	13.7	14.9	11.5	21.0	25.2	30.6	29.4	31.0	28.9
16	24.0	15.9	14.5	13.3	15.8	11.8	19.0	25.8	30.3	29.3	30.5	28.6
17	23.1	16.1	14.1	13.3	15.3	12.4	19.2	25.9	30.1	29.5	30.5	28.2
18	22.7	16.1	12.7	13.4	14.2	12.1	20.0	25.9	29.4	29.9	30.6	28.4
19	22.0	16.9	13.0	13.8	14.0	12.7	20.6	26.1	28.3	30.3	30.6	28.8
20	21.2	18.5	14.4	13.9	14.5	13.4	21.2	25.7	27.8	30.7	30.0	29.0
21	21.5	19.0	16.0	14.5	15.3	13.7	21.3	25.3	28.4	30.5	29.5	29.3
22	22.0	19.5	16.6	14.9	16.2	14.3	20.4	25.5	27.7	30.1	29.1	29.3
23	22.1	17.7	17.4	14.4	15.7	15.4	20.6	24.8	27.1	30.3	29.5	\$29.4
24	22.5	17.6	17.3	15.6	15.7	15.5	20.7	24.5	27.3	30.5	30.0	29.4
25	22.8	17.1	16.9	14.1	15.9	15.6	21.1	24.4	27.8	30.5	30.1	29.2
26	23.3	16.0	16.5	12.9	16.2	16.0	21.2	24.3	28.3	30.5	29.8	29.3
27	23.6	14.9	16.3	13.1	15.7	15.8	21.6	24.4	28.5	30.9	29.7	28.4
28	24.0	13.9	16.6	12.6	15.0	16.3	22.0	24.8	28.7	31.1	29.7	27.0
29	24.3	13.0	15.9	12.5	---	17.4	22.2	25.4	29.5	31.0	29.8	26.3
30	24.0	12.8	15.7	12.2	---	18.0	22.2	26.1	30.1	31.0	29.8	25.8
31	24.0	---	15.5	12.1	---	18.5	---	26.5	---	31.1	29.7	---
MEAN	23.0	17.4	14.4	14.0	14.3	14.8	19.7	24.5	28.6	30.3	30.4	29.0
MAX	24.3	24.1	17.4	16.7	16.2	18.5	22.2	26.5	30.6	31.1	31.4	29.8
MIN	21.0	12.8	11.9	12.1	12.1	9.9	16.7	20.8	26.6	29.2	29.1	25.8

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

1	---	---	---	---	---	---	---	662	5818	9624	320	2960
2	---	---	---	---	---	---	---	740	10879	---	369	2240
3	---	---	---	---	---	---	---	900	12564	1435	384	1910
4	---	---	---	---	---	---	---	787	5155	1574	419	---
5	---	---	---	---	---	---	---	806	1641	1677	338	1770
6	---	---	---	---	---	---	---	695	1248	1372	339	1780
7	---	---	---	---	---	---	---	544	972	1027	336	1700
8	---	---	---	---	---	---	---	611	1032	900	200	---
9	---	---	---	---	---	---	---	663	999	870	<200	1720
10	---	---	---	---	---	---	---	600	1044	850	<200	1630
11	---	---	---	---	---	---	---	639	996	883	<200	1680
12	---	---	---	---	---	---	---	669	1037	1487	<200	1600
13	---	---	---	---	---	---	---	803	1053	4014	<200	1420
14	---	---	---	---	---	---	---	862	867	7907	<200	5920
15	---	---	---	---	---	---	---	861	1010	5564	<200	15000
16	---	---	---	---	---	---	---	2004	998	2727	<200	16600
17	---	---	---	---	---	---	---	8676	1020	949	<200	20200
18	---	---	---	---	---	---	---	8155	926	576	<200	17700
19	---	---	---	---	---	---	---	9937	1026	568	<200	9030
20	---	---	---	---	---	---	---	10868	838	563	<200	3740
21	---	---	---	---	---	---	---	9559	862	790	<200	3600
22	---	---	---	---	---	---	1290	5435	862	1336	<200	2740
23	---	---	---	---	---	---	880	2684	2480	1617	<200	2640
24	---	---	---	---	---	---	1200	1429	4698	3239	<200	2550
25	---	---	---	---	---	---	1270	1033	8802	1044	<200	4110
26	---	---	---	---	---	---	649	1085	6578	549	21056	10700
27	---	---	---	---	---	---	641	956	6168	397	12852	7610
28	---	---	---	---	---	---	581	5363	5716	467	12879	10300
29	---	---	---	---	---	---	896	1874	6329	456	10398	5680
30	---	---	---	---	---	---	761	873	10194	419	7167	---
31	---	---	---	---	---	---	---	1386	---	---	4484	---
MEAN	---	---	---	---	---	---	---	2650	3460	1890	2420	5870
MAX	---	---	---	---	---	---	---	10900	12600	9620	21100	20200
MIN	---	---	---	---	---	---	---	540	840	400	200	1420

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

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7040	14900	<200	469	<200	328	492	<200	326	469	343	319
2	14000	4450	<200	420	<200	319	404	<200	299	369	370	312
3	21800	1570	<200	576	<200	279	327	<200	331	407	<200	279
4	22400	4600	581	2990	<200	358	274	<200	284	<200	<200	274
5	18800	<200	580	2780	<200	438	381	289	344	<200	<200	308
6	7000	<200	<200	504	<200	688	329	<200	382	<200	<200	296
7	2310	<200	5390	357	500	697	361	244	396	312	<200	304
8	<200	<200	491	368	<200	673	590	249	401	344	<200	316
9	<200	2100	510	361	<200	590	420	267	391	<200	<200	330
10	<200	7100	699	316	<200	514	318	<200	400	<200	<200	277
11	<200	8460	655	410	282	484	348	306	408	<200	<200	339
12	<200	10900	575	388	329	272	426	314	403	<200	<200	319
13	<200	745	545	711	332	291	445	343	410	<200	<200	1400
14	<200	357	479	<200	381	<200	392	332	448	<200	<200	7560
15	<200	353	5550	<200	339	308	279	427	350	<200	<200	2460
16	<200	351	1470	325	566	7410	<200	391	256	<200	<200	383
17	<200	546	1120	330	<200	1660	<200	331	1950	<200	<200	354
18	<200	9000	544	416	<200	551	521	<200	4790	260	<200	345
19	<200	16500	574	454	<200	415	<200	<200	10600	230	293	2120
20	10400	26700	668	312	<200	355	<200	<200	13200	285	243	3240
21	11400	25800	860	352	279	390	281	<200	4400	<200	259	1780
22	19100	22300	725	419	346	440	<200	<200	851	<200	308	5340
23	19200	9800	784	383	<200	514	<200	954	583	453	363	308
24	13000	2500	738	429	395	459	<200	<200	509	310	333	333
25	11300	1250	529	<200	4860	422	<200	<200	621	<200	321	313
26	11000	900	399	<200	978	452	<200	<200	619	<200	306	309
27	11000	586	430	<200	<200	393	251	<200	504	<200	332	291
28	9990	408	602	<200	323	464	<200	<200	<200	<200	311	274
29	6610	420	465	<200	---	513	<200	315	657	<200	326	308
30	4770	508	563	<200	---	544	<200	317	594	281	325	369
31	2950	---	580	<200	---	503	---	325	---	321	324	---
MEAN	7310	5800	900	510	460	710	310	280	1530	250	260	870
MAX	22400	26700	5550	2990	4860	7410	590	950	13200	470	370	7560
MIN	200	200	200	200	200	200	200	200	200	200	200	270

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

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.

WATER-DISCHARGE RECORDES.

REMARKS.--Elevation affected by wind and tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation of 3.42 ft, Oct. 3, 1993, but may have been higher during hurricane Andrew on Aug. 26, 1992. Minimum elevation of -1.14 ft, Apr. 21, 1993, but may have been lesser during period of missing record.

EXTREMES FOR CURRENT PERIOD.--July to September 1992: maximum elevation recorded during the period 2.82 ft Sept. 17, but may have been higher during hurricane Andrew on Aug. 26; minimum elevation recorded 0.54 ft, Sept. 23.

Water year 1993: Maximum elevation recorded, 3.42 ft, but may have been higher during period of missing record; minimum elevation recorded, -1.14 ft, Apr. 21, but may have been lesser during period of missing record.

[illegible]

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	1.96	2.36	.67	---	---	.34	1.38	.95	1.81	.69	1.11
2	2.56	1.60	1.98	---	---	---	.19	1.65	1.31	1.97	.90	1.33
3	2.72	1.87	2.19	---	---	---	.52	1.30	1.23	2.16	.90	1.31
4	2.35	2.29	1.96	---	---	---	.77	1.16	1.31	1.61	.85	1.02
5	1.62	2.12	1.89	---	---	---	.33	1.28	1.23	1.12	.93	1.19
6	1.59	2.52	2.25	---	---	---	.57	1.16	1.06	1.08	1.02	1.24
7	1.79	2.70	2.01	---	---	---	.85	1.12	1.30	1.28	.89	1.32
8	1.71	2.49	2.25	---	---	---	.69	1.38	1.36	1.41	.81	1.24
9	1.53	2.36	2.23	---	---	---	.66	1.42	1.28	.82	.80	1.24
10	1.79	2.24	1.61	---	---	---	.89	1.30	1.18	-.16	.82	1.07
11	1.25	2.09	1.73	---	---	---	.91	.83	1.09	-.29	.80	1.03
12	1.58	1.97	1.85	---	---	---	.79	1.21	1.01	.17	.92	1.33
13	1.52	2.02	1.71	---	---	---	1.07	.71	.90	.37	.87	1.62
14	1.52	2.40	1.70	---	---	---	1.49	.80	.88	.07	.83	1.87
15	1.50	2.36	2.22	---	---	---	.76	.87	.85	.22	.69	1.39
16	1.97	2.05	2.11	---	---	---	.61	.98	.86	.47	.59	1.23
17	2.13	2.17	1.22	---	---	---	.72	1.01	.94	.92	.63	1.36
18	1.86	2.14	1.43	---	---	---	.64	1.26	.89	1.07	.81	1.45
19	2.14	2.10	1.42	---	---	.66	1.06	.89	1.10	1.32	.88	1.75
20	2.34	2.41	.97	---	---	.59	1.03	1.07	1.63	1.62	.87	1.77
21	2.19	2.08	.80	---	---	.55	.12	1.18	1.83	1.38	.82	1.69
22	2.47	2.31	.93	---	---	.62	.70	1.32	1.50	.84	.69	1.57
23	2.24	2.23	.75	---	---	.52	1.02	1.60	1.07	.75	.59	1.48
24	1.82	2.05	.49	---	---	.52	1.09	1.43	1.37	.73	.69	1.38
25	1.67	2.10	1.21	---	---	.75	1.19	1.40	1.76	.61	.76	1.40
26	1.64	2.30	1.02	---	---	.61	.80	1.29	1.41	1.05	1.24	1.62
27	1.67	2.48	1.28	---	---	.66	.96	1.45	1.13	1.52	1.27	1.05
28	1.52	2.51	1.01	---	---	.66	1.15	1.51	1.54	.86	1.08	1.12
29	1.47	2.47	.92	---	---	.78	1.35	1.48	1.69	.76	1.12	1.28
30	1.51	2.09	.75	---	---	1.13	1.37	1.33	1.83	.80	.97	1.36
31	1.37	---	.71	---	---	.94	---	1.17	---	.69	1.04	---
MAX	2.72	2.70	2.36	.67	---	1.13	1.49	1.65	1.83	2.16	1.27	1.87
MIN	1.25	1.60	.49	.67	---	.52	.12	.71	.85	-.29	.59	1.02

WATER-QUALITY RECORD.

SPECIFIC CONDUCTANCE: July 1992 to current.

SPECIFIC CONDUCTANCE: Maximum daily, 29,300 microsiemens, Nov. 1, 1992, but may have been higher during period of missing record; minimum daily, 1,440 microsiemens, July 24, 1993, but may have been lesser during period of missing record

[illegible]

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

[illegible]

MISSISSIPPI RIVER DELTA

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18200	29300	17400	10300	---	---	9900	11200	2410	6130	4100	8940
2	18800	27400	16200	5460	---	---	6970	8130	7750	6800	7140	13000
3	22700	28000	19200	---	---	---	9000	5470	8890	7000	6650	10200
4	24000	25100	20800	---	---	---	9960	4840	8450	7290	5580	6750
5	21000	16800	18600	---	---	---	7200	7910	8840	7710	5170	8600
6	19600	14900	21300	---	---	---	8990	7210	5670	7610	5330	10600
7	20700	16100	21100	---	---	---	11000	7280	6530	6490	4620	9550
8	20100	16500	18800	---	---	---	9220	9180	8360	4390	2960	9590
9	19300	17500	21700	---	---	---	6070	13700	8760	3830	3210	9450
10	20700	19000	19200	---	---	---	5350	12600	8800	3040	5450	9960
11	19400	20500	17300	---	---	---	6850	7880	7190	1970	7330	9730
12	18400	21600	18100	---	---	---	5810	9240	7170	2700	9940	10900
13	20200	16800	19600	---	---	---	7610	3450	7290	3520	9720	12700
14	21100	17200	21400	---	---	---	11500	4840	8170	2810	9490	17200
15	22600	16700	26500	---	---	---	7020	6940	13500	3440	8700	14400
16	23200	18100	21900	---	---	---	4110	4620	14000	3310	4980	10600
17	22800	22700	15800	---	---	---	4190	4360	15000	3690	3200	11100
18	20800	23300	14400	---	---	---	3710	6750	14500	4280	5730	15000
19	20800	24200	17600	---	---	8330	5040	4000	15100	3680	5340	17500
20	23800	27900	16300	---	---	7390	6630	5010	15600	3500	5070	17400
21	24400	26100	14100	---	---	6850	2670	5440	15100	2330	3280	17700
22	26600	26800	14800	---	---	11400	4870	6780	13200	2130	2040	16700
23	25900	22900	15100	---	---	12100	6510	10600	10700	1470	2880	15600
24	25700	24200	12100	---	---	15100	7070	10600	9240	1440	4750	14700
25	26100	21800	14700	---	---	15300	7410	9700	8690	1910	5890	14700
26	26600	17800	14100	---	---	13300	6440	6480	6040	3380	10500	15100
27	27800	15400	15100	---	---	14000	7140	6580	3980	5610	10700	10200
28	28300	15800	14600	---	---	15700	11000	10300	6260	5770	10400	10200
29	29100	15600	14800	---	---	14900	13500	9040	6640	5190	11200	12600
30	27800	15200	13500	---	---	17800	14100	6170	6080	4590	12000	13800
31	28600	---	11800	---	---	18700	---	6960	---	4910	10400	---
MEAN	23100	20700	17400	---	---	---	7560	7520	9260	4260	6570	12500
MAX	29100	29300	26500	---	---	---	14100	13700	15600	7710	12000	17700
MIN	18200	14900	11800	---	---	---	2670	3450	2410	1440	2040	6750

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 gage height record or velocity record, July 8-9, 11-15, 26-27, Aug. 29-Sept. 10: No velocity record: Jan. 18-20, July 2, 15-27.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 5,170 ft³/s, Feb. 19, 1988, maximum elevation 12.11ft, Oct. 27, 1983; maximum negative discharge, -280 ft³/s, June 16, 1985, no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge recorded, 3,520 ft³/s, Jan. 21, but may have been higher during periods of missing record; minimum daily discharge recorded, 17 ft³/s, Sept. 30, but may have been lesser during the periods of missing record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	80	209	124	903	203	163	525	43	62	---	26
2	120	408	167	110	853	662	88	696	40	49	---	24
3	103	373	138	96	800	966	71	806	40	45	---	24
4	100	368	123	84	756	910	703	772	39	45	---	25
5	113	520	134	99	700	826	953	700	38	51	---	25
6	110	529	147	115	640	711	880	593	39	44	---	23
7	116	456	143	371	564	563	833	470	38	40	---	24
8	112	373	149	873	489	406	1050	278	39	---	---	25
9	102	291	199	840	444	273	1130	117	39	---	---	25
10	120	216	533	1010	418	228	1180	84	37	35	---	28
11	120	153	517	1080	400	348	1160	76	34	---	27	26
12	139	205	430	1150	414	384	1160	68	35	---	25	24
13	73	455	347	1060	397	520	1190	85	38	---	25	20
14	47	432	266	1000	368	499	1140	82	39	---	24	21
15	43	355	228	953	338	443	1320	71	39	---	25	24
16	48	281	443	917	353	371	1000	70	37	27	25	24
17	57	209	540	846	405	579	978	60	31	37	25	22
18	52	151	522	773	269	496	926	59	31	37	26	22
19	41	116	438	699	128	458	877	70	31	35	25	23
20	33	255	372	1820	87	433	833	60	34	35	23	23
21	29	568	390	3520	75	431	778	59	52	34	27	22
22	28	596	366	3140	84	335	700	54	110	33	28	23
23	30	597	320	2180	84	263	605	51	87	34	31	22
24	32	595	284	2090	74	364	510	48	113	31	30	20
25	31	565	254	1530	93	280	425	46	104	31	29	19
26	31	522	224	1560	464	397	380	69	122	---	28	19
27	33	464	219	1480	435	394	347	215	285	---	23	22
28	35	390	202	1370	306	269	323	274	367	28	28	22
29	35	314	182	1450	---	179	298	117	233	---	27	19
30	32	253	164	1060	---	142	302	47	127	---	27	17
31	33	---	140	944	---	246	---	45	---	---	26	---
TOTAL	2159	11090	8790	34344	11341	13579	22303	6767	2341	---	---	683
MEAN	69.6	370	284	1108	405	438	743	218	78.0	---	---	22.8

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.70	1.87	4.29	2.80	10.41	3.89	3.16	6.72	2.55	2.47	1.57	1.87
2	2.34	5.60	3.65	2.63	10.10	6.52	2.64	8.06	2.54	2.30	---	1.84
3	2.16	6.37	3.23	2.49	9.76	9.61	2.54	8.90	2.52	2.18	---	1.82
4	2.13	5.78	2.97	2.40	9.37	9.43	7.45	8.83	2.51	2.15	---	1.81
5	2.15	7.39	3.00	2.42	8.90	8.96	9.90	8.39	2.48	2.13	---	1.80
6	2.08	7.89	3.08	2.43	8.30	8.24	9.64	7.64	2.47	2.03	---	1.79
7	2.02	7.12	3.00	4.21	7.64	7.14	9.32	6.63	2.45	1.94	---	1.78
8	2.01	6.02	2.99	9.89	6.98	5.87	11.32	5.21	2.44	---	---	1.74
9	1.92	4.83	3.36	10.35	6.47	4.78	12.04	4.09	2.41	---	---	1.73
10	1.90	3.73	6.83	10.25	6.14	4.16	12.04	3.79	2.37	1.83	1.73	1.73
11	2.06	2.83	7.24	10.43	6.01	4.65	11.85	3.65	2.35	---	1.71	1.65
12	1.90	3.27	6.34	10.82	5.92	4.87	11.59	3.53	2.29	---	1.71	1.59
13	1.68	6.30	5.36	10.70	5.75	5.98	11.30	3.46	2.24	---	1.75	1.56
14	1.51	6.59	4.56	10.41	5.51	6.17	11.06	3.35	2.17	---	1.75	1.60
15	1.38	5.72	4.14	10.12	5.28	5.60	11.34	3.24	2.08	---	1.75	1.68
16	1.39	4.72	6.15	9.82	5.46	5.02	11.11	3.13	2.00	1.91	1.76	1.66
17	1.59	3.79	7.21	9.47	5.79	6.55	10.80	3.03	1.95	1.87	1.80	1.62
18	1.49	2.93	7.21	9.05	4.96	6.10	10.48	2.95	1.94	1.77	1.80	1.58
19	1.28	2.43	6.41	8.48	3.94	5.56	10.15	2.87	1.97	1.74	1.76	1.56
20	1.07	4.13	5.62	11.09	3.56	5.48	9.82	2.79	2.08	1.74	1.78	1.56
21	1.00	8.62	5.61	12.71	3.43	5.55	9.45	2.73	2.29	1.68	1.86	1.56
22	.99	9.22	5.39	12.80	3.35	4.95	8.97	2.67	2.69	1.73	1.93	1.55
23	1.08	9.11	4.90	12.72	3.17	4.20	8.33	2.63	2.57	1.76	1.93	1.52
24	1.12	8.95	4.68	12.54	2.98	4.73	7.57	2.61	2.71	1.71	1.89	1.49
25	1.14	8.74	4.36	12.30	3.18	4.30	6.85	2.60	2.65	1.68	1.87	1.48
26	1.14	8.30	3.96	12.04	5.75	4.67	6.33	2.67	2.74	1.64	1.87	1.47
27	1.22	7.64	3.84	11.79	5.79	4.97	5.97	3.48	3.61	1.55	1.89	1.43
28	1.41	6.77	3.62	11.53	4.76	4.06	5.68	3.96	4.37	1.55	1.96	1.34
29	1.36	5.81	3.36	11.26	---	3.37	5.44	3.15	3.58	---	1.92	1.24
30	1.38	4.96	3.16	10.99	---	3.09	5.28	2.69	2.84	---	1.91	1.18
31	1.39	---	2.98	10.70	---	3.66	---	2.61	---	1.59	1.90	---
MAX	2.70	9.22	7.24	12.80	10.41	9.61	12.04	8.90	4.37	---	---	1.87
MIN.	.99	1.87	2.97	2.40	2.98	3.09	2.54	2.60	1.94	---	---	1.18

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi above mouth, 5.5 mi west of Old River Control Structure, and 5.6 mi west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to current year.

REMARKS.--Records for the 1993 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 02600.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons Apr. 6, 1978; minimum daily 0.0 tons Nov. 18-30, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1991					
11...	1030	43000	40	4640	92
24...	1055	45000	72	8750	89
NOV					
08...	1100	38000	151	15500	98
21...	1140	60000	99	16000	99
DEC					
05...	1045	85000	284	65200	97
19...	1100	185000	266	133000	84
JAN 1992					
02...	1250	118000	110	35000	96
10...	1010	111000	102	30600	94
16...	1125	110000	121	35900	93
23...	1015	81000	104	22700	98
30...	1315	42000	99	11200	99
FEB					
06...	0945	89000	371	89200	98
14...	1215	38000	190	19500	98
20...	1005	12000	41	1330	91
27...	1030	65000	151	26500	97
MAR					
06...	1105	94000	252	64000	96
12...	1120	87000	127	29800	92
20...	0955	138000	188	70000	88
26...	1040	162000	217	94900	85
APR					
03...	1030	191000	253	130000	86
09...	1040	166000	198	88700	78
23...	1030	100000	100	27000	90
MAY					
01...	1040	182000	254	125000	80
06...	1025	205000	365	202000	88
15...	1055	167000	209	94200	75
21...	1040	133000	120	43100	76
28...	1250	96000	93	24100	90
JUN					
04...	1040	72000	87	16900	95
11...	1120	81000	188	41100	100
17...	1020	76000	158	32400	97
26...	1030	79000	107	22800	97
JUL					
10...	1030	61000	117	19300	100
23...	1000	103000	108	30000	94
AUG					
21...	1045	161000	211	91700	93

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3000	22000	84000	36000	12000	25000	130000	125000	21000	36000	67000	33000
2	4000	8000	81000	35000	13000	35000	130000	148000	19000	29000	70000	29000
3	4000	8000	88000	35000	14000	45000	130000	159000	19000	22000	72000	34000
4	4000	8000	82000	33000	41000	47000	127000	171000	17000	22000	76000	33000
5	5000	7000	65000	33000	69000	61000	123000	194000	15000	22000	77000	29000
6	4000	10000	62000	32000	89000	64000	113000	202000	14000	23000	80000	32000
7	4000	16000	68000	30000	58000	57000	94000	184000	15000	16000	89000	33000
8	5000	15000	65000	28000	47000	50000	91000	174000	17000	14000	100000	35000
9	5000	18000	72000	26000	37000	45000	89000	158000	25000	16000	103000	42000
10	5000	19000	111000	31000	27000	40000	87000	148000	35000	19000	106000	41000
11	5000	20000	142000	37000	30000	35000	75000	138000	41000	22000	106000	41000
12	5000	20000	170000	39000	33000	30000	72000	118000	42000	21000	111000	37000
13	5000	34000	163000	40000	27000	29000	70000	110000	43000	21000	111000	33000
14	6000	44000	143000	39000	19000	26000	71000	105000	44000	25000	105000	28000
15	7000	53000	139000	37000	8000	27000	66000	94000	44000	30000	89000	27000
16	9000	62000	136000	36000	10000	28000	58000	80000	32000	30000	91000	29000
17	11000	64000	130000	36000	5000	34000	54000	73000	32000	29000	95000	35000
18	11000	63000	130000	39000	4000	47000	42000	66000	46000	32000	105000	33000
19	11000	57000	133000	39000	1000	59000	41000	55000	50000	31000	103000	30000
20	12000	61000	138000	39000	1000	70000	37000	48000	41000	30000	99000	33000
21	12000	59000	134000	33000	1000	86000	34000	43000	39000	36000	92000	35000
22	12000	57000	129000	23000	5000	85000	29000	42000	36000	35000	81000	38000
23	9000	68000	125000	23000	4000	83000	27000	36000	32000	30000	78000	40000
24	9000	65000	119000	26000	3000	89000	27000	33000	30000	27000	67000	40000
25	11000	63000	110000	29000	10000	91000	30000	36000	27000	31000	63000	39000
26	18000	55000	105000	31000	21000	95000	32000	35000	23000	32000	57000	34000
27	30000	56000	81000	34000	26000	100000	38000	30000	29000	38000	57000	34000
28	29000	73000	61000	23000	28000	116000	53000	24000	30000	58000	59000	34000
29	24000	70000	59000	16000	24000	116000	77000	20000	30000	68000	57000	28000
30	32000	68000	57000	11000	---	116000	102000	20000	35000	63000	49000	32000
31	31000	---	46000	10000	---	126000	---	20000	---	61000	39000	---
MAX	32000	73000	170000	40000	89000	126000	130000	202000	50000	68000	111000	42000
MIN	3000	7000	46000	10000	1000	25000	27000	20000	14000	14000	39000	27000

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA

WATER-QUALITY RECORDS

LOCATION.--Lat 30°58'57", long 91°47'54" in NE 1/4 SW 1/4 sec. 7, T. 1 S., R. 7 E., Louisiana meridian, Avoyelles Parish, Hydrologic Unit 08080101, near right bank on downstream side of Kansas City Southern Railway Co. bridge, 0.4 mi east of town of Simmesport, 0.5 mi upstream from State Highway 1, and 4.9 mi downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--Approximately 87,570 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1978 to September 1979, discontinued.

WATER TEMPERATURES: December 1975 to September 1976, October 1977 to September 1984, May 1990 to August 1992, discontinued.

CHLORIDE: October 1974 to September 1984, May 1990 to August 1992, discontinued.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

REMARKS.--Records for the 1992 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 03045.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 627 micromhos Nov. 17, 1978; minimum daily, 179 micromhos Feb. 21, 1979.

WATER TEMPERATURES: Maximum daily, 32.0 °C July 23, 1981; minimum daily, 2.0 °C Jan. 18-20, Feb. 3, 6, 7, 1978, Jan. 15, 1979, Jan. 14, 1982.

CHLORIDE: Maximum daily, 150 mg/L June 9, 13, 14, 1977; minimum daily, 9.1 mg/L May 14, 1991.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,240,000 tons Dec. 15, 1982; minimum daily, 2,000 tons Oct. 3-5, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1991					
08...	1230	72000	119	23100	56
22...	1230	68000	76	14000	82
NOV					
05...	1230	173000	1030	482000	91
19...	1230	144000	209	81300	79
DEC					
03...	1230	236000	438	279000	59
17...	1230	378000	507	517000	57
31...	1230	324000	655	573000	53
JAN 1992					
14...	1230	278000	527	396000	61
30...	1230	206000	523	291000	63
FEB					
11...	1230	166000	274	123000	62
19...	1230	196000	563	298000	70
MAR					
10...	1230	270000	411	300000	62
24...	1230	315000	401	341000	62
APR					
07...	1230	286000	286	221000	68
22...	1230	183000	167	82500	77
MAY					
05...	1230	263000	432	307000	83
18...	1230	179000	171	82600	79
JUN					
02...	1200	131000	165	58400	89
16...	1230	205000	549	304000	92
30...	1230	169000	193	88100	92
JUL					
14...	1230	151000	168	68500	95
28...	1230	214000	309	179000	82
AUG					
18...	1230	230000	288	179000	88
25...	1130	700000	155	293000	89
SEP					
09...	1230	117000	266	84000	65
24...	1230	123000	192	63800	86

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16000	116000	195000	509000	237000	288000	315000	226000	62000	9600	88000	134000
2	17000	149000	219000	489000	206000	288000	306000	245000	58000	93000	73000	112000
3	16000	222000	279000	475000	179000	297000	291000	261000	66000	84000	61000	105000
4	16000	391000	312000	465000	190000	281000	275000	275000	72000	84000	53000	101000
5	16000	481000	306000	454000	195000	292000	264000	306000	75000	86000	46000	90000
6	15000	486000	309000	438000	222000	306000	246000	299000	74000	87000	39000	84000
7	15000	468000	319000	421000	212000	307000	221000	280000	579000	81000	35000	81000
8	17000	394000	338000	406000	193000	306000	206000	257000	94000	71000	32000	77000
9	16000	327000	355000	384000	167000	307000	203000	224000	120000	66000	27000	84000
10	15000	284000	410000	385000	140000	299000	199000	193000	149000	67000	23000	81000
11	15000	243000	454000	388000	123000	297000	172000	172000	171000	70000	31000	80000
12	14000	204000	488000	384000	127000	291000	158000	142000	197000	68000	41000	74000
13	13000	191000	494000	399000	131000	292000	145000	123000	226000	66000	55000	68000
14	13000	171000	513000	395000	157000	290000	140000	113000	268000	68000	71000	64000
15	13000	151000	524000	396000	174000	293000	136000	99000	303000	75000	85000	58000
16	14000	124000	517000	390000	225000	283000	124000	95000	303000	78000	108000	55000
17	14000	114000	517000	386000	251000	283000	117000	88000	269000	76000	136000	63000
18	15000	101000	523000	372000	277000	295000	104000	83000	261000	78000	179000	62000
19	15000	81000	532000	396000	298000	313000	95000	79000	258000	80000	195000	61000
20	14000	87000	557000	420000	288000	320000	87000	76000	235000	81000	205000	65000
21	16000	96000	575000	408000	271000	342000	86000	74000	222000	94000	218000	65000
22	14000	107000	579000	365000	268000	341000	82000	75000	199000	105000	228000	64000
23	15000	127000	583000	355000	257000	332000	84000	68000	168000	114000	250000	67000
24	17000	153000	578000	346000	242000	341000	87000	67000	148000	123000	271000	64000
25	18000	168000	608000	351000	244000	342000	88000	67000	131000	136000	293000	70000
26	22000	172000	628000	349000	259000	341000	91000	67000	112000	139000	260000	66000
27	26000	170000	608000	349000	280000	335000	104000	69000	104000	150000	272000	75000
28	35000	180000	593000	326000	292000	334000	136000	67000	95000	178000	258000	85000
29	40000	181000	603000	311000	293000	324000	166000	62000	88000	168000	244000	83000
30	53000	179000	594000	291000	---	313000	197000	61000	88000	132000	208000	87000
31	76000	---	572000	259000	---	324000	---	60000	---	103000	1170000	---
MAX	76000	486000	628000	509000	298000	342000	315000	306000	303000	178000	1170000	134000
MIN	13000	81000	195000	259000	123000	281000	82000	60000	58000	9600	23000	55000

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW 1/4 NW 1/4 sec. 26, T. 4 S., R. 7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080101, at bridge on Texas and Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 mi².

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1979 to September 1981.

WATER TEMPERATURES: May 1979 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 632 micromhos Oct. 8, 1981; minimum daily, 207 micromhos May 21, 1980.

WATER TEMPERATURES: Maximum daily, 32.0 °C July 23, 24, 1981; minimum daily, 5.5 °C Feb. 7, 1980, Jan. 22, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 5.0 °C was observed on Jan. 30, 1985. A specific conductance of 177 microsiemens was observed on Feb. 1, 1990.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	
NOV 1992													
19...	1245	--	430	7.90	14.5	5	38	<1	9.4	1.0	17	1200	
FEB 1993													
18...	1145	--	382	7.53	9.0	20	45	<1	11.7	2.5	27	550	
23...	1330	245000	398	7.22	9.5	50	98	<1	12.0	3.3	37	--	
MAR													
31...	1230	--	328	7.37	13.0	15	65	<1	10.0	10	26	460	
MAY													
27...	1030	346000	423	7.32	21.0	30	70	<1	6.6	0.3	28	320	
JUN													
04...	1000	--	439	7.36	24.5	10	65	<1	6.7	0.8	13	K300	
JUL													
07...	1100	209000	385	7.55	29.0	10	86	<1	7.0	1.4	29	650	
SEP													
02...	1200	--	404	7.47	30.0	5	35	<1	6.3	0.9	19	1500	
16...	1225	141000	445	8.01	25.0	5	53	<1	6.9	--	16	680	
24...	1100	--	454	7.98	25.0	5	45	<1	7.7	0.8	17	300	
DATE		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)
NOV 1992													
19...	K73	K26	160	42	13	21	3.5	122	49	27	--	--	--
FEB 1993													
18...	K52	110	130	35	10	23	2.9	98	39	32	--	--	--
23...	210	140	120	34	9.3	27	2.8	91	39	38	0.2	6.9	6.9
MAR													
31...	K25	K25	120	32	8.6	17	3.1	84	34	24	--	--	--
MAY													
27...	K40	K56	140	39	11	23	3.2	100	47	35	0.2	6.7	6.7
JUN													
04...	K40	K32	160	44	13	25	3.1	113	49	34	--	--	--
JUL													
07...	100	K30	150	39	12	17	3.2	114	40	25	0.2	8.0	8.0
SEP													
02...	K13	K22	150	39	12	14	4.2	134	36	17	--	--	--
16...	90	52	180	49	15	15	3.5	133	43	18	0.2	9.8	9.8
24...	--	--	180	47	15	18	4.2	149	42	23	--	--	--

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

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

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

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)
NOV 1992												
19...	--	229	104	0.02	--	1.1	--	0.02	--	--	0.58	0.18
FEB 1993												
18...	--	201	112	--	--	--	--	--	--	--	0.40	0.19
23...	216	213	232	--	0.03	0.99	0.99	--	0.07	0.7	0.40	0.11
MAR												
31...	--	169	154	--	--	--	--	--	--	--	1.0	0.04
MAY												
27...	234	231	417	--	<0.01	1.2	1.2	--	0.04	0.7	0.30	0.20
JUN												
04...	--	236	116	0.01	--	1.2	--	0.02	--	--	0.50	0.17
JUL												
07...	225	219	254	--	<0.01	2.1	2.1	--	0.04	0.5	0.40	0.14
SEP												
02...	--	203	176	0.01	--	1.4	--	0.02	--	--	0.77	0.20
16...	258	241	14	--	<0.01	1.7	1.7	--	0.04	0.5	0.40	0.14
24...	--	239	70	0.01	--	1.8	--	0.03	--	--	0.66	0.16

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
NOV 1992											
19...	--	0.11	--	--	3	1	--	2	2	<1	<1
FEB 1993											
18...	--	--	--	--	1	<1	--	2	2	<1	<1
23...	0.04	--	0.04	40	2	--	62	<10	--	<1	--
MAR											
31...	--	--	--	--	3	<1	--	1	<1	<1	<1
MAY											
27...	0.05	--	0.05	20	2	--	74	<10	--	<1	--
JUN											
04...	--	0.13	--	--	3	1	--	<1	<1	<1	<1
JUL											
07...	0.09	--	0.09	--	3	2	--	<10	<0.5	<1	<1
SEP											
02...	--	0.12	--	--	5	2	--	<1	<1	<1	<1
16...	0.10	--	0.11	10	3	--	82	<10	--	1	--
24...	--	0.13	--	--	4	3	--	<1	<1	<1	<1

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

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

DATE	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
NOV 1992												
19...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 1993												
18...	2	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
23...	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 1												
31...	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 1												
27...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 1												
04...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 1												
07...	2	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 1												
02...	2	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
16...	<1	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
24...	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
NOV 1992												
19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 1993												
18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 1												
31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 1												
27...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 1												
04...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 1												
07...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 1												
02...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
24...	<0.01	<0.01	<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.

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

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

DATE	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 1992											
19...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	6.2	0.5	--	--	--
FEB 1993											
18...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.4	0.2	--	--	--
23...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.3	0.2	368	243000	83
MAR											
31...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	1.9	0.1	--	--	--
MAY											
27...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.0	0.1	258	241000	81
JUN											
04...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.8	0.1	--	--	--
JUL											
07...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	3.6	0.3	292	165000	93
SEP											
02...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.7	0.2	--	--	--
16...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.5	0.2	198	75400	94
24...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	3.5	0.2	--	--	--

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

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in sec.56, T.15 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080101 at Southern Railways System Bridge, 160 ft downstream from State Highway 90, 0.4 mi downstream from Bayou Teche, 0.5 mi west of Calumet, and 9.8 mi west of Morgan City.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to June 1975 (discharge measurements only), October 1976 to May 1986 (elevations and discharge measurements only), June 1986 to current year. Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is mean sea level. Reverse flow at times during the year.

REMARKS.--No estimated daily discharges. Records poor. No velocity record: Jan. 1 to Mar. 7, Aug. 19 to Sept. 28. Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.80 ft, June 6, 1983, minimum, -1.15 ft, Dec. 23, 1989.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since 1942, 11.02 ft, present datum, May 27, 1973, minimum, -2.82 ft, present datum, Oct. 18, 1948 (from records of Corps of Engineers, New Orleans District).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, recorded 144,000 ft³/s, April 29, but may have been higher during periods of missing record; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43800	27700	77000	---	---	---	105000	124000	120000	88600	95000	---
2	38600	33000	83400	---	---	---	104000	123000	107000	89000	95600	---
3	41000	27500	88600	---	---	---	103000	123000	104000	83200	96400	---
4	43000	39100	97600	---	---	---	107000	121000	102000	77500	99200	---
5	46600	33200	102000	---	---	---	107000	124000	101000	76300	96700	---
6	44900	31200	99200	---	---	---	67500	124000	98200	76300	92500	---
7	44700	29400	95500	---	---	---	66700	124000	95700	74200	96100	---
8	45300	29400	89900	---	---	93900	109000	125000	95000	74100	95600	---
9	42900	27300	89600	---	---	108000	114000	125000	93300	71300	95000	---
10	36900	26900	93400	---	---	104000	112000	126000	90600	72400	97300	---
11	38800	26100	91700	---	---	101000	94300	131000	91100	71800	95000	---
12	31800	31900	88500	---	---	110000	70500	126000	88300	74300	98400	---
13	30000	33800	87500	---	---	---	64800	135000	85700	73300	98700	---
14	29200	30200	85200	---	---	110000	77600	134000	85300	74400	94900	---
15	27100	32900	81300	---	---	108000	123000	127000	80900	77300	90800	---
16	27100	35700	85000	---	---	112000	121000	127000	78200	77000	91900	---
17	30700	35500	85700	---	---	122000	120000	130000	76600	79400	98700	---
18	28500	38900	82800	---	---	117000	120000	136000	79500	82700	100000	---
19	23800	39300	80000	---	---	126000	120000	140000	80500	84900	---	---
20	25000	42200	80600	---	---	115000	120000	124000	77700	87500	---	---
21	24300	46900	86500	---	---	127000	129000	126000	78800	87300	---	---
22	20700	58400	88600	---	---	127000	123000	124000	79200	84400	---	---
23	21800	64000	92200	---	---	128000	122000	120000	78000	84700	---	---
24	24200	61100	100000	---	---	131000	122000	110000	83600	87000	---	---
25	24800	62600	100000	---	---	129000	124000	125000	82400	78700	---	---
26	26600	61300	115000	---	---	129000	128000	129000	82800	76300	---	---
27	27200	61200	98500	---	---	125000	132000	122000	82200	89900	---	---
28	29600	64200	103000	---	---	125000	140000	120000	82800	91100	---	---
29	28700	70400	118000	---	---	124000	144000	121000	85300	89900	---	30800
30	28800	69700	123000	---	---	120000	133000	117000	85200	91500	---	50600
31	28900	---	124000	---	---	107000	---	115000	---	93900	---	---
TOTAL	1005300	1271000	2913300	---	---	---	3323400	3878000	2650900	2520200	---	---
MEAN	32430	42370	93980	---	---	---	110800	125100	88360	81300	---	---

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.25	2.70	2.40	3.41	4.03	3.05	4.44	5.88	5.26	3.50	3.56	3.82
2	2.79	1.90	2.39	3.50	4.08	3.43	4.28	5.98	5.32	3.39	3.68	3.84
3	3.14	2.36	2.64	3.71	4.19	3.53	4.37	5.98	5.31	3.24	3.73	3.84
4	3.04	1.81	2.95	3.91	4.27	3.43	4.71	5.79	5.22	3.46	3.75	3.59
5	2.41	.89	2.73	3.75	4.27	3.33	4.63	5.82	5.04	3.44	3.79	3.53
6	2.18	1.05	3.18	3.69	4.00	3.35	4.60	5.80	4.78	3.30	3.89	3.45
7	2.52	1.42	3.06	3.74	3.86	3.45	4.77	5.78	4.75	3.15	3.91	3.37
8	2.39	1.47	3.02	3.84	3.84	3.51	4.98	5.83	4.73	2.98	3.90	3.28
9	2.11	1.77	3.44	3.83	3.86	3.55	5.01	5.86	4.52	3.05	3.92	3.17
10	2.44	1.83	3.24	3.83	3.94	3.61	4.99	5.85	4.18	3.12	3.95	2.99
11	1.75	2.02	3.06	3.76	4.08	3.56	5.07	5.65	3.95	3.03	4.02	2.88
12	1.90	1.92	3.08	3.87	3.74	3.43	5.07	5.59	3.78	3.06	4.12	3.12
13	2.13	1.23	3.05	3.64	3.39	3.18	5.12	5.54	3.64	3.17	4.15	3.48
14	2.19	1.57	3.15	3.76	3.30	3.39	5.41	5.44	3.45	3.19	4.17	3.79
15	2.19	1.63	3.53	3.91	3.46	3.58	5.59	5.49	3.40	3.20	4.16	3.23
16	2.13	1.44	3.08	3.92	3.39	4.05	5.31	5.54	3.58	3.25	4.11	2.90
17	1.83	1.84	2.79	4.02	2.92	3.89	5.33	5.55	3.71	3.26	4.06	2.88
18	1.51	2.04	2.91	4.07	2.80	4.02	5.39	5.69	3.88	3.31	4.11	2.98
19	1.63	2.32	3.20	4.05	2.90	4.14	5.44	5.70	4.16	3.29	4.17	3.17
20	2.07	2.80	3.05	4.26	2.99	4.18	5.51	5.63	4.28	3.22	4.26	3.22
21	1.96	2.84	2.98	4.36	3.14	4.18	5.36	5.69	3.98	3.16	4.22	3.11
22	2.21	3.05	3.08	4.28	2.95	4.29	5.37	5.76	3.84	3.23	4.15	3.05
23	2.25	2.45	3.00	4.32	2.89	4.29	5.52	5.92	3.83	3.23	4.08	3.00
24	2.05	2.95	2.83	4.28	3.00	4.36	5.69	6.04	3.84	3.22	4.02	2.93
25	2.00	2.45	3.21	4.23	3.30	4.49	5.72	5.90	3.72	3.22	3.97	3.01
26	2.10	2.10	3.14	4.11	2.89	4.45	5.61	5.77	3.62	3.26	4.14	3.14
27	2.23	1.98	3.30	4.10	2.93	4.47	5.61	5.72	3.53	3.44	4.20	2.58
28	2.11	2.12	3.28	4.16	3.01	4.50	5.69	5.71	3.62	3.52	4.08	2.57
29	2.06	2.23	3.37	4.05	---	4.52	5.71	5.64	3.66	3.50	4.01	2.77
30	2.02	2.27	3.39	4.00	---	4.59	5.72	5.55	3.57	3.55	3.93	2.88
31	2.04	---	3.44	4.05	---	4.57	---	5.44	---	3.52	3.87	---
MAX	3.14	3.05	3.53	4.36	4.27	4.59	5.72	6.04	5.32	3.55	4.26	3.84
MIN	1.51	.89	2.39	3.41	2.80	3.05	4.28	5.44	3.40	2.98	3.56	2.57

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.

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 1992 TO SEPTEMBER 1993

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)
OCT 1992											
01...	0930	--	412	7.80	24.5	15	45	<1	7.2	0.2	14
29...	0830	39000	412	7.58	21.0	5	14	<1	8.3	1.0	11
NOV											
25...	0900	72000	408	7.48	13.0	20	60	<1	9.2	1.0	11
DEC											
23...	0800	92000	--	7.12	8.5	60	140	<1	10.0	--	41
FEB 1993											
09...	0830	113000	304	7.19	7.5	50	55	<1	10.8	2.1	<10
25...	0845	81000	381	7.30	10.5	30	95	<1	10.9	2.2	59
MAR											
24...	0800	125000	357	7.22	10.5	30	85	<1	10.5	2.8	31
APR											
29...	0925	161000	328	7.33	18.0	60	65	<1	7.3	0.9	29
MAY											
19...	0845	162000	370	7.50	22.5	30	90	<1	6.4	0.3	32
JUL											
01...	0900	95000	362	7.45	27.5	10	65	<1	5.7	0.8	27
21...	1030	93000	348	7.24	29.5	10	100	<1	5.4	1.2	36
AUG											
19...	0845	115000	386	7.78	28.0	5	75	<1	5.3	0.6	23
SEP											
29...	0910	69000	446	8.09	24.5	10	55	<1	9.3	1.8	15

< 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 1992 TO SEPTEMBER 1993

DATE	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)
OCT 1992											
01...	K68	44	140	38	12	28	3.8	108	44	35	82
29...	140	K4	160	42	13	21	3.8	130	49	22	12
NOV 25...	--	K28	150	40	13	21	4.3	114	43	27	122
DEC 23...	K190	K10	120	32	8.9	22	3.1	93	33	28	406
FEB 1993											
09...	420	K26	110	30	8.8	15	2.7	81	31	21	100
25...	950	K13	120	33	9.6	26	2.8	88	38	36	194
MAR 24...	600	K36	120	32	9.3	20	2.9	84	40	28	204
APR 29...	240	K20	120	32	9.0	17	3.0	88	35	24	158
MAY 19...	K600	K40	130	35	9.8	18	2.7	103	39	26	214
JUL 01...	K700	K10	140	36	11	18	3.0	103	37	23	174
21...	190	<4	130	36	10	13	3.7	112	31	16	140
AUG 19...	850	K15	160	45	12	12	4.1	132	32	15	--
SEP 29...	280	K40	180	47	15	20	4.2	139	42	24	38
DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT 1992											
01...	<0.01	0.74	0.53	0.19	3	2	<1	<1	<1	<1	3
29...	<0.01	0.93	0.60	0.12	2	1	1	1	<1	<1	3
NOV 25...	0.04	1.3	0.50	0.29	1	1	2	2	<1	<1	6
DEC 23...	0.04	0.96	0.40	0.13	2	1	<10	<0.5	<1	<1	6
FEB 1993											
09...	--	--	--	--	2	<1	2	2	<1	<1	4
25...	0.03	0.93	0.58	0.09	3	<1	<1	<1	<1	<1	7
MAR 24...	--	--	0.40	0.24	4	<1	2	2	<1	<1	--
APR 29...	0.03	1.2	0.46	0.09	4	<1	<1	<1	<1	<1	5
MAY 19...	0.03	1.2	0.34	0.23	4	1	<1	<1	<1	<1	9
JUL 01...	0.01	1.5	0.62	0.23	3	1	<1	<1	<1	<1	6
21...	0.02	1.9	0.44	0.32	5	1	<1	<1	<1	<1	9
AUG 19...	0.02	1.5	0.52	0.28	4	2	<1	<1	<1	<1	6
SEP 29...	0.01	1.6	0.45	0.26	4	2	<1	<1	<1	<1	5

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

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

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

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

DATE	CHROMIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)
OCT 1992											
01...	<1	14	5	<5	4	<1	<0.1	<0.1	4	2	<1
29...	<1	10	5	<5	9	<1	0.1	0.1	2	2	<1
NOV											
25...	<1	12	3	19	5	<1	<0.1	<0.1	6	1	<1
DEC											
23...	<1	13	4	47	8	<1	0.2	<0.1	12	2	<1
FEB 1993											
09...	<1	19	6	71	4	<1	<0.1	<0.1	6	3	<1
25...	<1	38	6	56	10	<1	<0.1	<0.1	7	1	<1
MAR											
24...	--	8	3	29	6	<1	<0.1	<0.1	6	3	<1
APR											
29...	<1	11	4	45	5	<1	<0.1	<0.1	7	1	<1
MAY											
19...	<1	9	2	23	4	<1	<0.1	<0.1	9	4	<1
JUL											
01...	<1	10	5	25	6	1	0.1	0.1	7	3	1
21...	<1	5	5	5	7	<1	0.3	<0.1	9	2	<1
AUG											
19...	<1	12	5	9	6	<1	0.1	<0.1	7	5	<1
SEP											
29...	<1	10	6	7	5	<1	<0.1	0.1	5	2	<1

DATE	SELENIUM, DIS- SOLVED (UG/L AS SE)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)
OCT 1992											
01...	<1	2	30	<5	5.3	<0.01	3	<1	<0.1	<0.1	<0.01
29...	<1	1	20	6	4.5	0.01	1	<1	--	--	--
NOV											
25...	<1	1	30	<5	6.2	<0.01	2	<1	<0.1	<0.1	<0.01
DEC											
23...	<1	2	60	8	8.3	<0.01	<1	--	<0.1	<0.1	<0.01
FEB 1993											
09...	<1	<1	30	7	6.3	<0.01	1	<1	<0.1	<0.1	<0.01
25...	<1	<1	30	5	6.2	<0.01	1	<1	<0.1	<0.0	<0.01
MAR											
24...	<1	1	20	<4	9.0	<0.01	3	<1	<0.1	<0.1	<0.01
APR											
29...	<1	1	30	<4	7.4	<0.01	<1	<1	<0.1	<0.1	<0.01
MAY											
19...	<1	<1	20	6	7.4	<0.01	4	<1	<0.1	<0.1	<0.01
JUL											
01...	<1	1	20	5	7.0	<0.01	<1	<1	<0.1	<0.1	<0.01
21...	<1	3	40	<4	7.4	<0.01	<1	<1	<0.1	<0.1	<0.01
AUG											
19...	<1	3	5	<4	6.0	<0.01	2	<1	<0.1	<0.1	<0.01
SEP											
29...	<1	3	20	5	5.3	<0.01	<1	<1	<0.1	<0.1	<0.01

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

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

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

DATE	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 1992										
01...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
29...	--	--	--	--	--	--	--	--	--	--
NOV										
25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC										
23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 1993										
09...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR										
24...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR										
29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY										
19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL										
01...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG										
19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP										
29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)
OCT 1992										
01...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
29...	--	--	--	--	--	--	--	--	--	--
NOV										
25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
DEC										
23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
FEB 1993										
09...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
MAR										
24...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
APR										
29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
MAY										
19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
JUL										
01...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
AUG										
19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
SEP										
29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5

< 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 1992 TO SEPTEMBER 1993

DATE	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992										
01...	<0.01	<0.5	<0.5	<0.5	<0.5	1.7	0.2	--	--	--
29...	--	--	--	--	--	3.4	0.2	135	14200	97
NOV										
25...	<0.01	<0.5	<0.5	<0.5	<0.5	--	--	217	42200	100
DEC										
23...	<0.01	<0.5	<0.5	<0.5	<0.5	2.2	0.1	491	122000	98
FEB 1993										
09...	<0.01	<0.5	<0.5	<0.5	<0.5	1.9	0.1	210	64100	74
25...	<0.01	<0.5	<0.5	<0.5	<0.5	2.3	0.2	271	59300	97
MAR										
24...	<0.01	<0.5	<0.5	<0.5	<0.5	1.6	0.1	297	100000	78
APR										
29...	<0.01	<0.5	<0.5	<0.5	<0.5	2.5	0.2	272	118000	66
MAY										
19...	<0.01	<0.5	<0.5	<0.5	<0.5	2.8	0.2	360	157000	74
JUL										
01...	<0.01	<0.5	<0.5	<0.5	<0.5	2.8	0.2	325	83400	97
21...	<0.01	<0.5	<0.5	<0.5	<0.5	1.5	0.1	313	78600	98
AUG										
19...	<0.01	<0.5	<0.5	<0.5	<0.5	1.4	0.2	248	77000	89
SEP										
29...	<0.01	<0.5	<0.5	<0.5	<0.5	1.9	0.1	208	38800	100

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°41'47", long 91°12'39", T. 15 S., R. 12 E., St. Mary Parish, on downstream side of bridge on U. S. Highway 90, 0.6 mi. upstream from Bayou Boeuf and 0.75 mi. southwest of Morgan City High School. Prior to October, 1992, lat. 29°42'09", long 91°12'07", on line between secs. 1 and 6, St. Mary Parish, Hydrologic Unit 08080101 near center of span on downstream side of Southern 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.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to September 1975 (discharge measurements only), October 1976 to current year elevations and discharge measurements only). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans District, and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to October 1984 at datum 0.34 ft higher and prior to July 1983 at 0.17 ft higher. Prior to October 1981 at NGVD.

REMARKS.--Discharge and elevation affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.54 ft, Aug. 25, 1992, but may have been higher during Hurricane Andrew; minimum, -0.94 ft, Nov. 29, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached an elevation of 10.53 ft, from incomplete record, discharge not determined. Maximum discharge observed during flood of June 8, 1927, 741,000 ft³/s. Minimum elevation, -5.44 ft, Aug. 25, 1926 (affected by storm). All data from records of Corps of Engineers, New Orleans District.

EXTREMES FOR CURRENT YEAR.--Maximum recorded elevation, 8.54 ft, Aug. 25, but may have been higher during periods of missing record; minimum, 0.70 ft, Oct. 6, but may have been lesser during periods of missing record.

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. 28, 1992	98,600	Feb. 8, 1993	234,000	Apr. 28, 1993	308,000	July 20, 1993	180,000
Nov. 24	134,000	Feb. 24	174,000	May 18	294,000	Aug. 18	236,000
Dec. 22	194,000	Mar. 23	261,000	June 30	201,000	Sept. 28	147,000

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	5.16	4.96	5.65	6.53	6.14	4.84	4.81	4.93
2	---	---	---	---	5.15	4.98	5.60	6.57	6.16	4.78	4.86	4.89
3	---	---	---	---	5.20	4.99	5.63	6.57	6.14	4.70	4.90	4.84
4	---	---	---	---	5.23	4.98	5.78	6.49	6.10	4.71	4.93	4.73
5	---	---	---	---	5.25	---	5.77	6.51	6.04	4.69	4.98	4.63
6	---	---	---	---	5.13	---	5.74	6.50	5.93	4.60	5.04	4.53
7	---	---	---	---	5.04	---	5.80	6.47	5.90	4.53	5.10	4.45
8	---	---	---	---	5.01	---	5.93	6.50	5.70	4.46	5.13	4.35
9	---	---	---	---	5.02	---	6.00	6.50	5.42	4.45	5.16	4.23
10	---	---	---	---	5.02	---	5.95	6.50	5.32	4.45	5.19	4.11
11	---	---	---	---	5.02	---	5.98	6.43	5.22	4.40	5.22	4.01
12	---	---	---	---	5.01	---	5.99	6.42	4.91	4.39	5.27	3.99
13	---	---	---	---	5.00	---	6.01	6.40	4.94	4.39	5.30	4.03
14	---	---	---	---	4.99	---	6.13	6.36	4.89	4.37	5.32	4.12
15	---	---	---	---	4.99	---	6.24	6.36	4.86	4.38	5.34	4.02
16	---	---	---	---	4.99	---	6.14	6.37	4.87	4.38	5.35	3.85
17	---	---	---	---	4.97	---	6.14	6.38	4.87	4.38	5.35	3.77
18	---	---	---	---	4.96	---	6.18	6.42	4.91	4.39	5.38	3.75
19	---	---	---	---	4.96	---	6.22	6.42	5.05	4.38	5.39	3.77
20	---	---	---	---	4.96	---	6.25	6.39	5.09	4.38	5.39	3.77
21	---	---	---	---	4.96	---	6.22	6.39	4.99	4.42	5.37	3.73
22	---	---	---	---	4.96	---	6.23	6.41	4.99	4.45	5.35	3.66
23	---	---	---	---	4.96	---	6.29	6.44	5.02	4.49	5.30	3.62
24	---	---	---	---	4.96	---	6.37	6.48	4.97	4.51	5.24	3.57
25	---	---	---	---	4.97	---	6.39	6.43	4.93	4.53	5.20	3.56
26	---	---	---	---	4.97	---	5.91	6.38	4.90	4.55	5.19	3.59
27	---	---	---	---	4.96	---	5.66	6.38	4.86	4.62	5.18	3.45
28	---	---	---	---	4.96	---	6.09	6.37	4.87	4.68	5.14	3.37
29	---	---	---	5.22	---	---	6.45	6.34	4.82	4.70	5.10	3.40
30	---	---	---	5.19	---	5.66	6.45	6.27	4.83	4.74	5.03	3.43
31	---	---	---	5.19	---	5.67	---	6.20	---	4.76	4.98	---
MAX	---	---	---	---	5.25	---	6.45	6.57	6.16	4.84	5.39	4.93
MIN	---	---	---	---	4.96	---	5.60	6.20	4.82	4.37	4.81	3.37

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.

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 1992 TO SEPTEMBER 1993

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 1992												
28...	1030	99000	423	7.72	21.5	5	16	<1	8.5	0.9	19	160
NOV												
24...	1330	134000	413	7.92	14.0	20	61	<1	9.1	0.9	15	3400
DEC												
22...	1045	194000	--	7.70	9.5	40	130	<1	9.8	--	27	K320
FEB 1993												
08...	1245	234000	305	7.21	10.0	40	39	<1	10.3	1.4	<10	200
24...	1230	174000	377	7.14	10.5	20	73	<1	11.0	2.8	51	1400
MAR												
23...	1100	261000	367	7.28	10.5	40	110	<1	10.7	3.1	33	490
APR												
28...	1145	308000	333	7.22	18.5	30	66	<1	7.3	1.0	29	280
MAY												
18...	1215	294000	387	7.59	22.0	20	90	<1	6.2	0.6	39	320
JUN												
30...	1215	201000	369	7.38	27.0	15	42	<1	5.4	0.6	19	K300
JUL												
20...	1100	180000	358	7.20	30.5	30	100	<1	5.2	0.7	35	K180
AUG												
18...	1100	236000	380	7.74	30.0	10	68	<1	5.0	0.3	28	800
SEP												
28...	1055	147000	456	7.64	24.5	10	50	<1	7.8	0.5	20	500

< 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 1991 TO SEPTEMBER 1992

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)
OCT 1992												
28...	K4	K7	150	39	13	20	3.6	131	48	21	0.2	6.5
NOV												
24...	K12	550	150	39	12	21	3.5	115	45	27	0.2	6.4
DEC												
22...	K25	250	130	35	9.8	24	3.2	96	39	34	0.1	6.1
FEB 1993												
08...	K25	K23	110	30	8.3	15	2.8	81	33	21	0.1	7.2
24...	K10	K67	120	33	9.4	27	2.9	88	38	39	<0.1	6.6
MAR												
23...	K24	K60	120	33	9.5	22	2.8	84	45	34	<0.1	6.1
APR												
28...	K5	K30	120	33	9.1	18	3.1	89	36	25	<0.1	6.2
MAY												
18...	K5	K120	140	37	11	20	2.9	99	41	29	0.2	5.9
JUN												
30...	K4	K18	140	38	11	20	3.2	102	40	29	0.2	7.5
JUL												
20...	K11	K56	140	39	11	13	3.8	112	33	17	--	--
AUG												
18...	K10	K55	160	44	12	13	4.7	131	32	15	0.3	11
SEP												
28...	170	K18	190	49	16	20	4.3	149	43	24	--	--
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)
OCT 1992												
28...	249	224	33	<0.01	0.01	0.99	0.98	0.03	0.03	0.7	0.6	0.12
NOV												
24...	238	229	239	0.03	0.03	1.2	1.2	0.03	0.02	0.6	0.4	0.24
DEC												
22...	230	213	348	0.04	0.03	1.0	1.0	0.09	0.07	0.5	0.3	0.13
FEB 1993												
08...	175	171	106	--	0.06	--	1.1	--	0.07	0.8	0.5	0.17
24...	223	213	116	--	0.02	--	0.91	--	0.04	0.5	0.3	0.17
MAR												
23...	206	206	210	--	0.03	--	1.1	--	0.06	0.9	0.4	0.20
APR												
28...	199	186	439	--	0.02	--	1.1	--	0.04	0.4	0.4	0.07
MAY												
18...	220	212	538	--	0.01	--	1.2	--	0.05	0.5	0.4	0.06
JUN												
30...	221	213	159	--	<0.01	--	1.4	--	0.03	0.5	0.5	0.08
JUL												
20...	--	184	52	0.04	--	1.9	--	0.06	--	--	0.5	0.32
AUG												
18...	227	214	451	--	<0.01	--	1.4	--	0.04	0.8	0.8	0.11
SEP												
28...	--	246	122	0.01	--	1.7	--	0.06	--	--	0.8	0.15

< 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 1992 TO SEPTEMBER 1993

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 1992												
28...	0.07	0.08	0.06	20	2	--	72	<10	--	<1	--	<1
NOV												
24...	0.08	0.08	0.07	--	2	1	--	<10	<0.5	<1	<1	3
DEC												
22...	0.04	0.06	0.04	--	2	1	--	<10	<0.5	<1	<1	7
FEB 1993												
08...	0.05	--	0.04	--	1	<1	--	<10	<0.5	1	<1	10
24...	0.03	--	0.04	20	2	--	58	<10	--	<1	--	<1
MAR												
23...	0.03	--	0.02	30	2	--	65	<10	--	<1	--	3
APR												
28...	0.04	--	0.03	10	2	--	65	<10	--	<1	--	2
MAY												
18...	0.04	--	0.04	<10	2	--	71	<10	--	<1	--	7
JUN												
30...	0.07	--	0.06	--	3	1	--	<10	<0.5	<1	<1	3
JUL												
20...	--	0.28	--	--	6	1	--	<1	<1	<1	<1	9
AUG												
18...	0.08	--	0.07	<10	3	--	83	<10	--	<1	--	2
SEP												
28...	--	0.16	--	--	5	3	--	<1	<1	2	<1	5
DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)
OCT 1992												
28...	<1	<3	10	--	4	2	--	13	3	--	<0.1	<10
NOV												
24...	<1	--	8	--	22	4	<1	--	--	<0.1	0.1	--
DEC												
22...	<1	--	8	2	35	5	<1	--	--	<0.1	<0.1	--
FEB 1993												
08...	<1	--	15	8	51	5	<1	--	--	<0.1	<0.1	--
24...	<1	<3	9	--	27	4	--	5	5	--	<0.1	<10
MAR												
23...	<1	<3	11	--	38	6	--	10	13	--	<0.1	<10
APR												
28...	<1	<3	5	--	37	5	--	5	39	--	<0.1	<10
MAY												
18...	<1	<3	12	--	32	4	--	8	38	--	<0.1	<10
JUN												
30...	<1	--	8	4	20	4	<1	--	--	0.1	0.1	--
JUL												
20...	<1	--	9	6	12	9	<1	--	--	<0.1	<0.1	--
AUG												
18...	2	<3	15	--	5	6	--	14	14	--	<0.1	<10
SEP												
28...	<1	--	19	--	<3	6	<1	--	--	--	<0.1	--

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

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

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)
OCT 1992												
28...	4	3	<1	<1	<1	210	<6	30	--	4.5	0.01	<1
NOV												
24...	8	3	<1	<1	--	--	3	30	--	7.0	<0.01	2
DEC												
22...	9	7	<1	<1	--	--	2	30	5	7.3	0.01	1
FEB 1993												
08...	7	3	<1	<1	--	--	1	30	8	7.0	<0.01	1
24...	6	2	<1	<1	<1	190	<6	20	--	5.8	<0.01	2
MAR												
23...	8	2	<1	<1	<1	180	<6	40	--	8.0	<0.01	3
APR												
28...	5	3	<1	<1	<1	160	<6	20	--	7.2	<0.01	<1
MAY												
18...	--	--	<1	<1	<1	190	<6	30	--	7.2	<0.01	4
JUN												
30...	6	2	<1	<1	--	--	3	20	6	5.3	<0.01	<1
JUL												
20...	8	3	<1	<1	--	--	3	40	<4	12	<0.01	<1
AUG												
18...	8	4	<1	<1	<1	180	<6	20	--	6.7	<0.01	<1
SEP												
28...	7	2	<1	<1	--	--	3	40	15	6.1	<0.01	<1

DATE	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)
OCT 1992												
28...	<1	--	--	--	--	--	--	--	--	--	--	--
NOV												
24...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC												
22...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 1993												
08...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
24...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR												
23...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR												
28...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY												
18...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN												
30...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL												
20...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG												
18...	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP												
28...	2	<0.1	<0.1	<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.

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

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

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR- EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
OCT 1992											
28...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
DEC											
22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
FEB 1993											
08...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
24...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
MAR											
23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
APR											
28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
MAY											
18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
JUN											
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
JUL											
20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
AUG											
18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
SEP											
28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
DATE	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992											
28...	--	--	--	--	--	--	5.4	0.3	102	27300	96
NOV											
24...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	3.8	0.4	287	104000	93
DEC											
22...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.4	0.1	348	182000	99
FEB 1993											
08...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	1.8	0.1	241	152000	61
24...	<0.05	<0.01	<0.5	<0.5	<0.5	<0.5	1.8	0.1	205	96300	100
MAR											
23...	<0.05	<0.01	<0.5	<0.5	<0.5	<0.5	1.8	0.1	347	245000	68
APR											
28...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	1.8	0.1	334	278000	59
MAY											
18...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	3.6	0.2	393	312000	76
JUN											
30...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	1.2	0.1	246	134000	90
JUL											
20...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	1.6	0.1	333	162000	95
AUG											
18...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	0.7 0	0.2	242	154000	85
SEP											
28...	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.2	0.1	207	82200	97

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

MISSISSIPPI RIVER DELTA

07381650 LOWER ATCHAFALAYA RIVER BELOW SWEETBAY LAKE, NEAR MORGAN CITY, LA

LOCATION.--Lat 29°33'06", long 91°14'41", in sec.21, T.17 S., R.12 E., St. Mary Parish, gage attached to wharf of Texas Oil Company at Mile 129.5 from head of Atchafalaya River via Atchafalaya Basin main channel, and 10.3 mi south of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1986 to current year (gage heights only). October 1985 to September 1986 (elevations only). Elevations, February 1956 to September 1985 are in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder. Datum of gage is 0.78 ft below sea level. Prior to Oct. 1, 1986, datum of gage was sea level.

REMARKS.--Gage heights affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.11 ft, Aug. 26, 1992; minimum gage height, -0.60 ft, Aug. 26, 1992.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 8.05 ft, June 27, 1957; minimum elevation, -1.55 ft, Nov. 6, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 5.46 ft, April 29 but may have been higher during the periods of missing record; minimum gage height 1.07 ft, Nov. 13, but may have been lesser during the periods of missing record..

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.68	2.81	2.80	3.38	3.81	3.22	4.19	5.02	3.96	3.35	---	---
2	3.14	2.26	2.80	3.44	3.85	3.49	4.08	5.10	4.09	3.32	---	---
3	3.46	2.54	2.90	3.56	3.93	3.55	4.15	5.03	4.10	3.25	---	---
4	3.31	2.29	3.13	3.75	4.00	3.44	4.44	4.66	3.93	3.42	---	---
5	2.81	1.58	2.98	3.67	3.99	3.35	4.34	4.75	3.86	3.39	---	---
6	2.60	1.52	3.29	3.65	3.83	3.33	4.34	4.63	3.73	3.30	---	---
7	2.77	1.69	3.23	3.69	3.74	3.39	4.47	4.67	3.80	3.21	---	---
8	2.73	1.69	3.21	3.76	3.72	3.43	4.56	4.71	3.86	3.11	---	---
9	2.52	1.92	3.51	3.75	3.74	3.45	4.60	4.73	3.74	3.17	---	---
10	2.74	2.02	3.35	3.74	3.84	3.51	4.57	4.77	3.58	3.23	---	---
11	2.26	2.23	3.26	3.73	3.99	3.51	4.58	---	3.49	3.18	---	---
12	2.31	2.22	3.27	3.78	3.78	3.39	4.55	---	3.39	3.18	---	---
13	2.49	1.65	3.24	3.61	3.57	3.22	4.63	---	3.31	3.23	---	---
14	2.53	1.87	3.34	3.66	3.52	3.37	4.92	---	3.20	3.24	---	---
15	2.54	1.91	3.69	3.77	3.66	3.50	4.95	---	3.17	3.33	---	---
16	2.50	1.74	3.43	3.78	3.64	3.87	4.72	---	3.27	3.39	---	---
17	2.28	1.98	3.28	3.83	3.34	3.75	4.74	---	3.37	3.38	---	---
18	2.04	2.15	3.28	3.85	3.23	3.86	4.78	---	3.49	3.52	---	---
19	1.99	2.38	3.46	3.84	3.25	3.91	4.86	---	3.73	---	---	---
20	2.36	2.80	3.34	3.97	3.29	3.94	4.90	---	3.80	---	---	---
21	2.25	2.89	3.30	3.97	3.38	3.96	4.75	---	3.61	---	---	---
22	2.48	2.99	3.35	3.95	3.29	4.01	4.76	---	3.55	---	---	---
23	2.55	2.51	3.28	3.99	3.20	3.99	4.90	4.86	3.56	---	---	---
24	2.40	2.88	3.17	3.99	3.23	4.04	5.25	4.96	3.56	---	---	---
25	2.39	2.72	3.36	3.98	3.43	4.13	5.41	4.82	3.49	---	---	---
26	2.43	2.78	3.31	3.89	3.24	4.12	5.41	4.72	3.43	---	---	---
27	2.52	2.69	3.40	3.89	3.21	4.16	5.43	4.73	3.39	---	---	---
28	2.41	2.71	3.37	3.87	3.22	4.15	5.30	4.70	3.43	---	---	---
29	2.33	2.72	3.40	3.81	---	4.20	5.11	4.56	3.44	---	---	---
30	2.31	2.73	3.39	3.81	---	4.28	5.02	4.42	3.39	---	---	---
31	2.30	---	3.40	3.84	---	4.29	---	4.12	---	---	---	---
MAX	3.46	2.99	3.69	3.99	4.00	4.29	5.43	---	4.10	---	---	---
MIN	1.99	1.52	2.80	3.38	3.20	3.22	4.08	---	3.17	---	---	---

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.--Estimated daily discharges. Records fair. Slight regulation at low flow by Cocodrie Lake. Several measurements of water temperature were made during the year. Reverse flow: Nov. 13-15, 1922.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	126	418	357	741	600	685	704	144	600	172	146
2	150	142	376	328	665	906	633	828	134	542	165	142
3	144	154	339	305	599	1080	574	932	126	492	160	140
4	137	203	323	296	542	1150	629	953	119	438	160	138
5	134	190	319	306	494	1150	712	938	109	395	158	136
6	129	184	301	294	456	1130	761	912	104	349	154	134
7	125	180	290	367	419	1100	775	884	98	312	151	131
8	e122	175	276	547	384	1070	888	854	95	280	152	125
9	e118	168	319	711	354	1040	1060	825	90	255	153	124
10	e116	163	418	768	332	1000	1160	800	86	242	148	121
11	e114	160	497	776	332	975	1170	774	103	239	145	120
12	e112	170	548	801	318	953	1140	749	118	231	145	118
13	e110	148	534	820	301	932	1100	722	119	219	146	117
14	e116	119	493	827	287	908	1060	690	119	206	146	117
15	e120	120	487	820	280	883	1060	648	115	211	146	114
16	119	121	518	805	402	861	1080	584	111	221	145	112
17	121	121	560	784	482	839	1080	514	116	245	142	115
18	121	120	597	752	549	823	1050	454	114	271	140	113
19	121	121	582	718	569	812	1020	414	120	268	140	111
20	119	219	591	773	545	796	993	373	129	251	151	108
21	118	275	601	878	511	775	965	334	161	237	166	107
22	116	355	624	948	463	766	936	298	207	216	169	105
23	115	393	623	965	421	800	905	266	268	202	167	104
24	113	539	608	955	384	841	875	243	282	191	164	102
25	111	632	577	938	390	859	845	231	288	181	162	100
26	109	656	567	920	469	845	815	215	355	170	160	101
27	108	631	544	900	528	823	784	204	463	161	157	105
28	107	577	507	880	569	799	754	194	528	153	155	105
29	106	519	463	858	---	773	724	180	607	143	152	106
30	111	466	425	834	---	747	700	169	630	157	150	108
31	114	---	388	798	---	722	---	158	---	175	148	---
TOTAL	3733	8147	14713	22029	12786	27758	26933	17044	6058	8253	4769	3525
MEAN	120	272	475	711	457	895	898	550	202	266	154	117
MAX	157	656	624	965	741	1150	1170	953	630	600	172	146
MIN	106	119	276	294	280	600	574	158	86	143	140	100
AC-FT	7400	16160	29180	43690	25360	55060	53420	33810	12020	16370	9460	6990
CFSM	.50	1.13	1.98	2.96	1.90	3.73	3.74	2.29	.84	1.11	.64	.49
IN.	.58	1.26	2.28	3.41	1.98	4.30	4.17	2.64	.94	1.28	.74	.55

e Estimated

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1993, BY WATER YEAR (WY)

MEAN	189	301	521	646	670	640	618	568	345	280	234	194
MAX	1174	1979	1738	1780	1379	1155	1603	4052	1175	1921	943	698
(WY)	1985	1986	1983	1983	1974	1992	1949	1953	1989	1989	1975	1979
MIN	53.6	56.0	66.4	103	128	165	118	81.4	57.4	63.1	65.4	58.1
(WY)	1953	1925	1925	1981	1981	1954	1963	1965	1960	1960	1948	1952

SUMMARY STATISTICS

FOR 1992 CALENDAR YEAR

FOR 1993 WATER YEAR

WATER YEARS 1981 - 1993

ANNUAL TOTAL	189992	155748	
ANNUAL MEAN	519	427	434
HIGHEST ANNUAL MEAN			720
LOWEST ANNUAL MEAN			178
HIGHEST DAILY MEAN	1430	Mar 7	25000
LOWEST DAILY MEAN	106	Oct 29	.00
ANNUAL SEVEN-DAY MINIMUM	109	Oct 24	31
INSTANTANEOUS PEAK FLOW		1180	28200
INSTANTANEOUS PEAK STAGE		16.71	26.72
INSTANTANEOUS LOW FLOW		84	5.3
INSTANTANEOUS LOW STAGE		5.61	26
ANNUAL RUNOFF (AC-FT)	376800	308900	314200
ANNUAL RUNOFF (CFSM)	2.16	1.78	1.81
ANNUAL RUNOFF (INCHES)	29.45	24.14	24.56
10 PERCENT EXCEEDS	1120	905	974
50 PERCENT EXCEEDS	333	312	276
90 PERCENT EXCEEDS	136	115	86

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.47	6.06	10.04	9.35	12.24	10.90	12.77	13.13	6.72	11.41	6.24	6.02
2	6.36	6.34	9.57	9.01	11.55	13.89	12.27	14.18	6.56	10.80	6.14	5.98
3	6.26	6.52	9.14	8.72	10.90	15.65	11.69	15.02	6.42	10.27	6.06	5.97
4	6.17	7.25	8.94	8.60	10.33	16.27	12.23	15.19	6.30	9.70	6.05	5.96
5	6.12	7.07	8.89	8.73	9.85	16.29	13.02	15.07	6.13	9.24	6.03	5.95
6	6.04	6.99	8.67	8.57	9.47	16.10	13.47	14.86	6.03	8.75	5.96	5.94
7	5.98	6.93	8.53	9.38	9.10	15.89	13.60	14.63	5.93	8.34	5.91	5.90
8	---	6.84	8.36	11.27	8.75	15.66	14.60	14.39	5.87	7.96	5.93	5.82
9	---	6.75	8.88	12.79	8.45	15.43	16.00	14.15	5.78	7.63	5.95	5.82
10	---	6.67	10.04	13.24	8.23	15.20	16.62	13.95	5.72	7.44	5.86	5.78
11	---	6.63	10.90	13.24	8.23	14.98	16.67	13.74	6.04	7.37	5.82	5.78
12	---	6.78	11.42	13.39	8.08	14.82	16.50	13.53	6.30	7.24	5.82	5.76
13	---	6.43	11.28	13.49	7.91	14.66	16.28	13.31	6.26	7.05	5.84	5.77
14	---	5.94	10.86	13.53	7.76	14.48	16.07	13.02	6.22	6.85	5.84	5.79
15	---	5.96	10.80	13.41	7.68	14.29	16.05	12.63	6.09	6.88	5.83	5.76
16	5.93	5.98	11.12	13.22	8.93	14.12	16.20	12.00	5.96	6.99	5.82	5.74
17	5.99	5.97	11.55	12.96	9.73	13.95	16.16	11.29	6.02	7.27	5.76	5.80
18	5.99	5.97	11.91	12.60	10.41	13.83	15.97	10.66	5.97	7.55	5.74	5.80
19	5.97	5.98	11.77	12.25	10.60	13.75	15.74	10.22	6.06	7.51	5.73	5.78
20	5.95	7.47	11.86	12.69	10.36	13.63	15.51	9.75	6.17	7.31	5.91	5.76
21	5.92	8.28	11.95	13.68	10.02	13.46	15.28	9.29	6.63	7.13	6.15	5.74
22	5.89	9.19	12.18	14.38	9.54	13.40	15.05	8.85	7.26	6.86	6.19	5.72
23	5.86	9.64	12.17	14.53	9.12	13.73	14.80	8.44	8.05	6.68	6.18	5.70
24	5.83	11.17	12.03	14.42	8.75	14.13	14.56	8.14	8.19	6.51	6.16	5.67
25	5.80	12.16	11.72	14.24	8.82	14.32	14.32	7.98	8.21	6.37	6.14	5.64
26	5.78	12.46	11.62	14.03	9.61	14.22	14.07	7.77	8.96	6.20	6.13	5.65
27	5.77	12.24	11.38	13.82	10.19	14.02	13.82	7.62	10.15	6.06	6.11	5.72
28	5.75	11.72	11.00	13.60	10.60	13.81	13.57	7.47	10.80	5.95	6.09	5.72
29	5.73	11.12	10.54	13.35	---	13.58	13.31	7.26	11.55	5.78	6.08	5.74
30	5.80	10.57	10.12	13.09	---	13.34	13.11	7.09	11.74	6.01	6.06	5.76
31	5.85	---	9.71	12.76	---	13.11	---	6.93	---	6.29	6.05	---
MAX	---	12.46	12.18	14.53	12.24	16.29	16.67	15.19	11.74	11.41	6.24	6.02
MIN	---	5.94	8.36	8.57	7.68	10.90	11.69	6.93	5.72	5.78	5.73	5.64

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.--No estimated daily discharges: Records good, except those for Oct. 1-27, May 22 to June 22, July 5 to Sept. 20, 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.--47 years, 1,122 ft³/s, 812,900 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, 4,380 ft³/s, Apr. 13, elevation, 26.90 ft; maximum elevation, 27.76 ft, May 4; minimum daily discharge, 106 ft³/s, Oct. 2, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	838	1040	760	1020	1140	1110	1650	192	1390	128	148
2	106	2520	926	651	925	2860	1070	3390	149	1010	115	152
3	112	1930	822	599	825	3410	953	3520	143	825	108	161
4	125	1970	767	567	746	3650	2380	3810	152	651	112	186
5	124	1830	765	679	676	3910	3070	4040	159	439	117	186
6	135	1160	720	788	627	4050	3110	4080	152	349	118	172
7	147	741	659	1340	581	4090	3050	3990	149	311	128	140
8	148	551	583	2930	528	3980	3170	3820	168	239	134	163
9	144	461	791	3040	501	3700	3430	3530	174	213	131	158
10	129	405	2130	3120	561	3290	3770	3080	145	160	142	156
11	121	368	2230	3150	992	2710	4100	2660	267	239	116	142
12	139	468	1890	3130	845	2140	4280	2110	216	130	122	153
13	126	712	1560	3350	625	2030	4350	1560	187	136	125	190
14	116	549	1270	3400	579	1920	4350	1310	153	177	121	242
15	114	434	1230	3260	534	1670	4240	1140	144	188	118	193
16	133	356	2110	2920	924	1670	4130	1000	129	124	137	216
17	147	331	2370	2390	1220	1900	4020	856	144	233	130	178
18	132	393	2170	1840	987	1860	3900	765	177	367	122	160
19	106	396	1820	1600	813	1790	3670	657	160	358	119	157
20	122	1200	1740	2240	826	1660	3180	600	164	280	123	169
21	125	2730	2210	2920	764	1520	2590	531	232	220	135	176
22	123	2960	2130	3180	687	1460	2010	440	394	213	150	184
23	131	3050	1920	3410	603	1950	1530	389	799	173	156	164
24	124	2960	1800	3510	534	2410	1400	366	1540	126	161	149
25	122	3000	1750	3420	633	2320	1300	347	1590	156	144	150
26	124	2780	1550	3150	1820	2170	1240	357	1470	162	139	140
27	162	2360	1340	2650	1740	1890	1140	358	1850	136	152	169
28	493	1900	1220	2050	1360	1630	1080	307	2620	138	148	226
29	357	1510	1100	1540	---	1410	995	273	2340	120	166	214
30	342	1230	943	1270	---	1240	927	246	1870	138	154	196
31	394	---	841	1120	---	1120	---	191	---	118	153	---
TOTAL	5106	42093	44397	69974	23476	72550	79545	51373	18029	9519	4124	5190
MEAN	165	1403	1432	2257	838	2340	2651	1657	601	307	133	173
MAX	493	3050	2370	3510	1820	4090	4350	4080	2620	1390	166	242
MIN	106	331	583	567	501	1120	927	191	129	118	108	140
AC-FT	10130	83490	88060	138800	46560	143900	157800	101900	35760	18880	8180	10290
CAL YR 1992	TOTAL 480850			MEAN 1314			MAX 5030			MIN 106		
WTR YR 1993	TOTAL 425376			MEAN 1165			MAX 4350			MIN 106		
										AC-FT 953800		
										AC-FT 843700		

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.54	20.10	19.16	18.41	18.78	19.65	19.13	20.80	18.23	19.42	18.22	18.31
2	17.88	23.41	19.00	18.36	18.51	23.76	19.08	26.46	18.31	19.11	18.21	18.31
3	18.11	22.56	18.70	18.27	18.26	25.93	18.98	27.53	18.37	18.85	18.20	18.32
4	18.26	22.29	18.46	18.15	18.03	26.29	23.40	27.73	18.39	18.56	18.22	18.38
5	18.29	21.70	17.50	18.30	17.82	26.23	25.04	27.53	18.42	18.28	18.23	18.35
6	18.33	20.04	17.31	18.41	17.63	25.96	25.09	27.06	18.41	18.37	18.23	18.31
7	18.38	19.29	17.19	20.26	17.44	25.55	24.64	26.46	18.39	18.36	18.26	18.25
8	18.38	18.78	17.07	24.84	17.27	25.02	26.19	25.70	18.39	18.34	18.29	18.11
9	18.37	18.47	17.77	25.28	17.21	24.45	27.06	24.76	18.39	18.41	18.30	17.36
10	18.32	18.13	20.94	25.00	17.30	23.52	27.30	23.66	18.37	18.54	18.29	17.55
11	18.33	18.13	21.20	24.71	18.74	22.13	27.26	22.39	18.47	18.34	18.26	17.86
12	18.33	18.59	20.73	25.15	18.73	21.02	27.05	21.12	18.44	18.25	18.24	18.23
13	18.29	19.15	19.77	25.19	18.89	20.96	26.74	20.19	18.38	18.37	18.24	18.34
14	18.28	18.73	18.67	24.88	18.75	20.53	26.34	19.73	18.31	18.34	18.25	18.01
15	18.28	18.36	18.36	24.21	18.50	20.04	26.13	19.40	18.29	18.28	18.28	18.18
16	18.24	18.08	20.81	23.15	19.10	20.61	25.80	19.11	18.28	18.30	18.33	18.15
17	18.18	18.31	21.69	21.74	19.65	21.16	25.41	18.88	18.28	18.61	18.30	17.96
18	18.07	18.43	21.12	20.35	18.44	20.75	24.82	18.76	18.32	18.74	18.29	17.82
19	18.14	18.46	20.06	19.53	18.84	20.40	24.01	18.62	18.31	18.59	18.28	17.95
20	18.29	20.46	19.60	23.61	18.86	19.99	23.06	18.51	18.38	18.42	18.27	17.90
21	18.32	23.30	20.84	26.60	18.76	19.75	21.90	18.36	18.54	18.28	18.28	17.60
22	18.32	23.85	20.69	26.73	18.62	19.59	20.87	18.23	18.59	18.26	18.30	16.84
23	18.32	24.03	20.09	26.43	18.41	20.52	20.06	18.41	19.05	18.26	18.34	16.23
24	18.30	23.71	19.62	25.90	18.16	21.74	19.81	18.42	20.34	18.32	18.37	16.35
25	18.30	23.50	19.33	25.22	18.50	21.42	19.61	18.44	20.18	18.33	18.37	16.59
26	18.31	22.93	18.88	24.26	21.55	21.03	19.47	18.49	20.30	18.32	18.36	17.10
27	18.34	21.93	18.78	22.95	21.26	20.60	19.30	18.49	21.01	18.31	18.34	17.87
28	18.65	20.76	18.48	21.50	20.30	20.03	19.19	18.44	22.15	18.28	18.34	18.38
29	18.47	19.72	18.07	20.17	---	19.54	19.00	18.40	21.47	18.27	18.34	18.41
30	18.46	19.07	17.72	19.41	---	19.38	18.89	18.36	20.37	18.25	18.31	18.37
31	18.51	---	18.19	19.06	---	19.18	---	18.26	---	18.24	18.31	---
MAX	18.65	24.03	21.69	26.73	21.55	26.29	27.30	27.73	22.15	19.42	18.37	18.41
MIN	17.54	18.08	17.07	18.15	17.21	19.18	18.89	18.23	18.23	18.24	18.20	16.23

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE 1/4 sec.29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaisses.

DRAINAGE AREA.--270 mi². See REMARKS.

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

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft above sea level (levels by Louisiana Department of Transportation and Development). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft higher. Water-stage recorder for Bayou des Glaisses diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Estimated daily discharges. No gage-height record: Oct. 12-17, Oct. 24 to Nov. 1, Mar. 12 to Apr. 6, July 7. No auxiliary gage-height record: Jan. 12-27, Feb. 4 to Apr. 6, July 7. Indefinite stage-discharge relationship, Apr. 7. Records poor. Diversion channel carries natural flow of Bayou des Glaisses except when operation of floodgates, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi downstream. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 438 ft³/s, 317,300 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 daily discharge, 2,190 ft³/s, Apr. 9; minimum daily discharge, 20 ft³/s, Aug. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	e27	e100	250	318	576	e360	402	62	750	31	100
2	44	31	e96	211	239	e1900	e330	1330	58	667	24	82
3	46	33	e80	184	195	e1800	e325	1110	60	517	20	61
4	43	40	e60	171	156	e1280	e320	1050	89	379	23	47
5	43	47	e52	230	127	e1190	e600	1060	91	271	26	42
6	46	57	e46	459	113	e1180	e800	1050	70	215	39	46
7	39	63	e100	652	97	e1160	e1000	1010	48	e174	82	55
8	36	64	272	1010	87	e1140	2190	954	57	146	80	54
9	34	53	344	883	90	e1100	2070	886	90	125	69	46
10	34	35	786	890	118	e980	1550	819	73	133	80	52
11	33	29	749	947	198	e940	1410	782	49	235	89	54
12	e31	28	727	e1350	191	e900	1330	763	50	410	55	55
13	e30	33	680	e1400	168	e820	1290	711	59	360	39	46
14	e29	41	571	e1300	150	e760	1250	571	65	251	49	39
15	e28	44	603	e1050	183	e700	1200	421	77	185	51	35
16	e27	36	896	e970	535	e620	1170	331	71	176	40	47
17	e33	30	782	907	575	e540	1130	258	48	251	38	50
18	35	26	744	843	447	e480	1070	225	40	234	47	51
19	47	25	697	781	311	e440	997	237	74	209	51	43
20	40	26	784	e1340	210	e420	925	219	95	149	43	36
21	37	29	808	e1750	153	e400	856	171	238	102	26	37
22	35	30	770	e1250	127	e500	788	142	291	90	25	39
23	32	34	743	e1050	110	e640	710	105	451	93	47	44
24	e29	42	716	e1010	97	e740	559	94	977	89	90	44
25	e29	46	697	e1000	144	e720	419	75	840	82	101	52
26	e28	e45	677	940	508	e560	303	70	906	89	71	52
27	e27	e42	631	871	609	e500	223	87	781	90	71	67
28	e27	e37	541	796	513	e460	176	86	799	74	72	109
29	e26	e35	436	723	---	e420	152	70	796	62	62	105
30	e26	e58	361	619	---	e390	156	57	786	54	78	79
31	e25	---	294	450	---	e380	---	56	---	39	84	---
TOTAL	1062	1166	15843	26287	6769	24636	25659	15202	8191	6701	1703	1669
MEAN	34.3	38.9	511	848	242	795	855	490	273	216	54.9	55.6
MAX	47	64	896	1750	609	1900	2190	1330	977	750	101	109
MIN	25	25	46	171	87	380	152	56	40	39	20	35
AC-FT	2110	2310	31420	52140	13430	48870	50890	30150	16250	13290	3380	3310
CAL YR 1992	TOTAL	189326	MEAN	517	MAX	2650	MIN	25	AC-FT	375500		
WT RYR 1993	TOTAL	134888	MEAN	370	MAX	2190	MIN	20	AC-FT	267600		

e Estimated

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.41	---	---	3.94	4.69	6.50	---	5.19	2.62	7.71	2.07	2.76
2	2.42	2.23	---	3.64	4.08	13.75	---	11.08	2.58	7.18	1.95	2.61
3	2.44	2.28	---	3.44	3.73	13.10	---	9.84	2.59	6.11	1.88	2.43
4	2.41	2.37	---	3.33	3.42	11.02	---	9.48	2.85	5.03	1.94	2.29
5	2.40	2.46	---	3.78	3.18	10.34	---	9.50	2.87	4.19	2.00	2.23
6	2.45	2.56	---	5.56	3.06	10.24	---	9.48	2.69	3.67	2.17	2.28
7	2.35	2.62	---	7.28	2.92	10.25	8.08	9.28	2.47	---	2.61	2.37
8	2.31	2.63	4.10	10.41	2.83	10.13	14.63	8.95	2.57	3.14	2.59	2.36
9	2.28	2.52	4.66	8.75	2.86	9.85	15.56	8.56	2.86	3.00	2.50	2.27
10	2.28	2.30	7.84	8.47	3.11	9.49	12.72	8.18	2.71	3.06	2.59	2.34
11	2.27	2.20	7.61	8.80	3.76	9.09	11.29	7.96	2.48	3.83	2.67	2.37
12	---	2.18	7.47	11.81	3.70	---	10.88	7.84	2.49	5.17	2.37	2.38
13	---	2.27	7.16	11.38	3.53	---	10.71	7.52	2.59	4.77	2.19	2.28
14	---	2.38	6.40	9.87	3.37	---	10.49	6.58	2.65	3.94	2.31	2.19
15	---	2.43	6.55	9.33	3.63	---	10.27	5.48	2.75	3.44	2.33	2.14
16	---	2.32	8.50	8.95	6.32	---	10.10	4.79	2.69	3.37	2.20	2.28
17	---	2.22	7.82	8.57	6.62	---	9.90	4.23	2.47	3.95	2.17	2.32
18	2.30	2.15	7.57	8.19	5.68	---	9.58	3.97	2.37	3.81	2.29	2.33
19	2.45	2.13	7.27	7.81	4.64	---	9.18	4.06	2.72	3.62	2.33	2.23
20	2.37	2.15	7.81	10.95	3.85	---	8.78	3.92	2.90	3.17	2.24	2.15
21	2.32	2.20	7.97	13.63	3.40	---	8.39	3.54	4.07	2.78	2.00	2.17
22	2.30	2.23	7.74	10.82	3.18	---	7.99	3.31	4.48	2.68	1.97	2.19
23	2.26	2.29	7.57	9.74	3.03	---	7.51	2.99	5.69	2.71	2.28	2.25
24	---	2.39	7.40	9.47	2.92	---	6.50	2.89	9.07	2.67	2.67	2.25
25	---	2.45	7.27	9.25	3.30	---	5.47	2.73	8.30	2.61	2.77	2.34
26	---	---	7.14	8.87	6.12	---	4.57	2.69	8.67	2.67	2.51	2.35
27	---	---	6.83	8.48	6.86	---	3.96	2.84	7.94	2.68	2.51	2.48
28	---	---	6.18	8.04	6.17	---	3.59	2.82	8.04	2.54	2.53	2.83
29	---	---	5.37	7.59	---	---	3.39	2.69	8.01	2.45	2.44	2.80
30	---	---	4.77	6.92	---	---	3.43	2.57	7.94	2.37	2.57	2.58
31	---	---	4.26	5.70	---	---	---	2.56	---	2.18	2.63	---
MAX	---	---	---	13.63	6.86	---	---	11.08	9.07	---	2.77	2.83
MIN	---	---	---	3.33	2.83	---	---	2.56	2.37	---	1.88	2.14

MISSISSIPPI RIVER DELTA

07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'57", long 91 49'53", in SW 1/4 NW 1/4 sec.2, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, on downstream side of bridge on U.S. Highway 71, 1.7 mi upstream from Slow Bayou, 2.0 mi northwest of the junction of U.S. Highways 71 and 190, and 5.0 mi northwest of town of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gage heights above 9.9 ft only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft above sea level. Crest-stage gage prior to 1967 at datum 2.55 ft lower.

REMARKS.--No gage heights recorded below 9.99 ft (Nov. 21 to Dec. 2).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft, May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.52 ft, Apr. 14; minimum gage height 11.41 ft. Sep. 30.

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.05	14.79	13.80	16.55	14.67	14.28	15.97	15.27	14.69	12.33	12.46
2	---	13.73	14.47	13.67	16.35	15.41	14.21	16.36	15.21	14.56	12.29	12.46
3	---	14.36	14.22	13.59	16.14	16.05	14.18	16.73	15.14	14.38	12.26	12.46
4	---	14.70	14.05	13.50	15.93	16.22	15.27	16.94	15.04	14.16	12.32	12.54
5	12.68	14.91	13.99	13.46	15.71	16.30	15.89	17.06	14.92	13.93	12.42	12.53
6	12.60	14.90	13.87	13.43	15.50	16.31	16.04	17.14	14.78	13.68	12.43	12.54
7	12.52	14.74	13.77	14.29	15.25	16.28	16.11	17.20	14.63	13.45	12.42	12.53
8	12.45	14.52	13.67	15.75	14.97	16.22	16.83	17.23	14.46	13.25	12.44	12.50
9	12.38	14.25	13.75	16.09	14.72	16.10	17.29	17.22	14.27	13.10	12.43	12.46
10	12.31	13.98	14.29	16.21	14.52	15.93	17.42	17.21	14.07	13.15	12.43	12.41
11	12.32	13.78	14.60	16.31	14.55	15.71	17.44	17.13	13.88	13.43	12.42	12.34
12	12.26	13.78	14.64	16.59	14.64	15.51	17.44	16.99	13.69	13.58	12.42	12.28
13	12.21	13.96	14.59	16.70	14.57	15.38	17.42	16.84	13.52	13.65	12.42	12.24
14	12.15	13.92	14.49	16.70	14.43	15.17	17.42	16.68	13.36	13.63	12.42	12.19
15	12.10	13.81	14.48	16.67	14.27	14.93	17.51	16.52	13.21	13.57	12.44	12.14
16	12.10	13.69	14.74	16.59	14.38	14.75	17.46	16.38	13.08	13.47	12.56	12.09
17	12.14	13.55	14.99	16.48	14.40	14.76	17.38	16.23	12.96	13.42	12.57	12.04
18	12.10	13.43	15.11	16.32	14.47	14.69	17.27	16.12	12.91	13.37	12.61	11.98
19	12.06	13.32	15.11	16.13	14.36	14.60	17.14	16.05	12.86	13.32	12.62	11.94
20	12.01	13.92	15.07	16.70	14.21	14.50	17.00	15.96	12.88	13.24	12.63	11.89
21	11.97	15.07	15.10	17.31	14.08	14.38	16.84	15.87	12.96	13.16	12.67	11.84
22	11.93	15.44	15.11	17.41	13.96	14.30	16.69	15.79	13.05	13.15	12.73	11.78
23	11.89	15.58	15.06	17.44	13.80	14.30	16.55	15.74	13.20	13.09	12.77	11.70
24	11.86	15.66	14.99	17.44	13.68	14.37	16.41	15.69	13.61	12.97	12.75	11.61
25	11.82	15.72	14.85	17.40	13.79	14.46	16.28	15.64	13.96	12.84	12.70	11.54
26	11.78	15.69	14.71	17.35	14.52	14.56	16.17	15.61	14.18	12.72	12.66	11.49
27	11.78	15.61	14.55	17.28	14.75	14.55	16.08	15.59	14.42	12.63	12.62	11.49
28	11.78	15.49	14.40	17.19	14.76	14.52	16.00	15.55	14.62	12.54	12.60	11.46
29	11.75	15.32	14.27	17.08	---	14.48	15.95	15.50	14.73	12.47	12.58	11.44
30	11.73	15.09	14.20	16.93	---	14.42	15.92	15.43	14.73	12.43	12.54	11.43
31	11.72	---	13.97	16.74	---	14.36	---	15.36	---	12.38	12.51	---
MAX	---	15.72	15.11	17.44	16.55	16.31	17.51	17.23	15.27	14.69	12.77	12.54
MIN	---	12.05	13.67	13.43	13.68	14.30	14.18	15.36	12.86	12.38	12.26	11.43

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.--Indeterminate.

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

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

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

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MAITER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 1992												
27...	0840	420	7.68	22.0	15	10	<1	11.4	7.8	25	320	K8
NOV												
19...	0810	336	7.51	--	50	31	<1	8.1	4.8	47	2200	260
DEC												
09...	0840	226	7.54	10.0	80	45	<1	--	--	37	2200	200
JAN 1993												
28...	0935	123	8.31	11.5	80	65	<1	8.7	5.2	59	1000	100
FEB												
25...	0830	250	7.25	14.0	80	80	<1	7.9	4.9	53	K340	K83
MAR												
30...	0840	185	6.97	20.0	30	45	<1	6.1	6.0	44	340	76
APR												
27...	0825	142	6.69	19.0	60	30	<1	3.8	6.1	60	600	K12
MAY												
26...	0720	148	6.72	22.5	60	20	<1	0.7	4.1	43	200	K20
JUN												
22...	0800	463	7.91	25.5	15	18	<1	7.9	6.8	34	4500	200
JUL												
29...	0725	361	6.63	30.0	10	17	<1	5.4	4.8	36	580	140
AUG												
26...	0810	428	7.59	29.0	10	23	<1	6.5	5.6	30	1800	K90
SEP												
30...	0735	460	7.49	25.5	10	28	<1	7.4	4.8	21	6800	230

< 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

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

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

DATE	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)
OCT 1992												
27...	160	41	13	21	3.8	128	43	23	<1	0.02	0.66	0.50
NOV												
19...	120	31	11	15	4.4	105	31	19	20	0.03	0.67	0.57
DEC												
09...	82	20	7.8	9.6	4.0	85	10	12	42	0.01	0.12	0.79
JAN 1993												
28...	45	11	4.2	4.7	2.4	48	3.7	4.6	30	0.03	0.07	0.73
FEB												
25...	98	24	9.2	12	3.0	95	10	12	58	0.03	0.25	0.80
MAR												
30...	73	18	6.7	7.4	2.7	72	6.7	8.3	54	0.01	0.15	0.38
APR												
27...	57	14	5.3	4.0	3.0	57	3.2	4.1	22	0.01	0.09	0.76
MAY												
26...	61	16	5.2	6.0	3.1	59	7.2	7.5	10	0.01	0.09	0.40
JUN												
22...	160	43	13	25	3.3	127	49	33	12	0.01	0.82	0.39
JUL												
29...	140	38	11	11	3.8	115	27	14	34	0.02	1.6	0.35
AUG												
26...	180	48	14	15	4.3	148	34	17	24	0.01	1.2	0.30
SEP												
30...	180	46	15	20	4.0	146	42	26	34	0.01	1.5	0.40

DATE	PHOS- PHORUS TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 1992												
27...	0.14	2	1	1	1	<1	<1	2	<1	7	4	7
NOV												
19...	0.20	2	1	2	2	<1	<1	4	<1	6	2	45
DEC												
09...	0.26	4	1	2	2	<1	<1	<1	<1	7	3	170
JAN 1993												
28...	0.21	2	<1	2	2	<1	<1	2	<1	4	4	180
FEB												
25...	0.27	3	1	<1	<1	<1	<1	6	<1	7	4	94
MAR												
30...	0.08	3	1	1	1	<1	<1	3	<1	5	3	180
APR												
27...	0.38	7	4	<1	<1	<1	<1	3	<1	5	3	260
MAY												
26...	0.34	6	--	<1	<1	<1	<1	2	<1	4	2	98
JUN												
22...	0.19	2	2	<1	<1	<1	<1	4	<1	4	1	5
JUL												
29...	0.16	4	3	1	<1	<1	<1	4	<1	5	--	12
AUG												
26...	0.24	4	3	<1	<1	<1	<1	4	<1	5	3	3
SEP												
30...	0.15	3	3	<1	<1	<1	<1	4	<1	5	4	3

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

MISSISSIPPI RIVER DELTA

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

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

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1992												
27...	2	<1	<0.1	<0.1	3	2	<1	<1	2	8	<5	6.3
NOV												
19...	3	<1	<0.1	<0.1	3	1	<1	<1	1	20	13	7.7
DEC												
09...	3	<1	<0.1	<0.1	2	<1	<1	<1	1	20	13	12
JAN 1993												
28...	2	3	<0.1	--	4	2	<1	<1	2	40	28	14
FEB												
25...	3	<1	<0.1	<0.1	4	1	<1	<1	1	50	24	13
MAR												
30...	2	2	<0.1	--	3	2	<1	<1	2	30	7	12
APR												
27...	1	<1	<0.1	<0.1	3	2	<1	<1	1	30	15	14
MAY												
26...	1	<1	<0.1	<0.1	3	2	<1	<1	2	30	20	13
JUN												
22...	2	2	0.1	<0.1	4	2	<1	<1	2	20	19	8.8
JUL												
29...	3	<1	<0.1	<0.1	3	2	<1	<1	3	20	23	0.7
AUG												
26...	1	<1	0.1	<0.1	3	2	<1	<1	3	10	4	8.3
SEP												
30...	3	<1	0.2	0.1	3	1	<1	<1	3	20	--	7.1

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
OCT 1992											
27...	0.02	1	<1	--	--	--	--	--	--	--	--
NOV											
19...	<0.01	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC											
09...	<0.01	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1993											
28...	<0.01	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB											
25...	<0.01	2	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR											
30...	<0.01	2	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR											
27...	<0.01	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY											
26...	<0.01	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN											
22...	<0.01	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL											
29...	<0.01	3	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG											
26...	<0.01	7	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP											
30...	<0.01	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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

MISSISSIPPI RIVER DELTA

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

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

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 1992											
27...	--	--	--	--	--	--	--	--	--	--	--
NOV 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 09...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1993											
28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 27...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 29...	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01
SEP 30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 1992											
27...	--	--	--	--	--	--	--	--	--	13	1.2
NOV 19...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	7.6	0.4
DEC 09...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	0.9	<0.1
JAN 1993											
28...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	2.0	0.1
FEB 25...	<0.01	<0.01	<0.05	<0.05	<0.01	<0.5	<0.5	<0.5	<0.5	3.8	0.3
MAR 30...	<0.01	<0.01	<0.05	<0.05	<0.01	<0.5	<0.5	<0.5	<0.5	5.0	0.4
APR 27...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	1.6	0.1
MAY 26...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	17	0.4
JUN 22...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	21	1.6
JUL 29...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	7.8	0.5
AUG 26...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	6.8	0.6
SEP 30...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	5.7	0.4

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

MISSISSIPPI RIVER DELTA

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

LOCATION.--Lat 30°31'59", long 91°51'27", in sec. 16, T. 6 S., R. 6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi west of Krotz Springs, and 0.8 mi southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

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

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

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

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 1992												
27...	0905	416	7.67	22.0	15	10	<1	9.6	5.1	15	420	58
NOV 19...	0830	400	7.57	--	20	24	<1	8.7	3.2	25	2000	120
DEC 09...	0905	235	7.50	10.0	80	45	<1	--	--	37	2300	K150
JAN 1993												
28...	0955	122	7.23	11.5	100	65	<1	8.8	4.0	45	1100	150
FEB 25...	0850	270	7.69	14.0	100	75	<1	8.1	4.6	57	K400	K55
MAR 30...	0855	182	7.03	20.0	60	55	<1	5.3	3.0	39	1000	100
APR 27...	0855	160	6.84	19.0	60	30	<1	3.4	4.2	52	680	44
MAY 26...	0740	388	7.43	21.5	30	50	<1	6.6	1.8	27	860	180
JUN 22...	0825	488	7.46	25.5	10	32	<1	6.6	1.1	29	K10000	170
JUL 29...	0745	355	7.10	30.0	10	20	<1	6.4	1.7	35	1000	530
AUG 26...	0740	431	7.72	29.0	10	20	<1	6.4	1.9	22	2400	580
SEP 30...	0750	454	7.89	23.5	5	27	<1	7.7	2.6	16	3800	250

< 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

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

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

DATE	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)
OCT 1992												
27...	160	41	13	21	3.8	126	46	22	<1	0.01	0.75	0.20
NOV												
19...	150	38	13	18	3.7	116	44	22	22	0.02	1.0	0.58
DEC												
09...	87	21	8.5	10	4.2	88	11	13	38	0.01	0.12	0.85
JAN 1993												
28...	45	11	4.2	5.0	2.4	48	3.6	4.7	40	0.03	0.08	0.53
FEB												
25...	100	25	9.8	12	3.0	100	10	13	106	0.03	0.23	0.83
MAR												
30...	70	17	6.7	7.5	2.5	61	6.6	8.1	56	0.02	0.15	0.45
APR												
27...	63	16	5.6	5.0	2.8	64	3.8	5.4	22	0.02	0.11	0.81
MAY												
26...	130	35	10	20	3.1	111	34	28	56	0.03	0.92	0.55
JUN												
22...	170	44	14	26	3.4	136	52	33	40	0.01	1.3	0.48
JUL												
29...	140	38	11	10	3.8	117	27	14	32	0.02	1.6	0.36
AUG												
26...	180	49	15	15	4.1	150	34	18	40	0.01	1.2	0.52
SEP												
30...	170	45	14	21	4.0	146	40	26	76	0.01	1.4	0.41

DATE	PHOS- PHORUS TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 1992												
27...	0.14	1	1	1	<1	<1	<1	1	<1	5	1	7
NOV												
19...	0.12	1	1	2	2	<1	<1	4	<1	7	3	14
DEC												
09...	0.32	4	1	3	2	<1	<1	2	<1	6	3	180
JAN 1993												
28...	0.20	2	1	2	2	<1	--	3	<1	5	--	220
FEB												
25...	0.27	3	<1	<1	<1	<1	<1	6	<1	7	4	57
MAR												
30...	0.18	2	1	<1	<1	<1	1	--	<1	6	--	210
APR												
27...	0.33	6	4	<1	<1	<1	<1	2	<1	6	4	140
MAY												
26...	0.17	3	1	<1	<1	<1	<1	4	<1	3	2	13
JUN												
22...	0.12	3	2	<1	<1	<1	<1	4	<1	5	3	4
JUL												
29...	0.15	3	2	<1	<1	<1	<1	5	<1	4	--	12
AUG												
26...	0.15	4	4	<1	<1	<1	<1	4	<1	5	--	17
SEP												
30...	0.16	3	3	<1	<1	<1	<1	4	<1	5	5	3

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

MISSISSIPPI RIVER DELTA

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

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

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 1992												
27...	2	<1	<0.1	<0.1	2	1	<1	<1	1	<5	<5	5.6
NOV												
19...	3	<1	<0.1	<0.1	3	2	<1	<1	<1	20	5	5.6
DEC												
09...	4	<1	<0.1	<0.1	3	2	<1	<1	1	20	12	12
JAN 1993												
28...	2	--	<0.1	--	3	3	<1	<1	2	20	26	12
FEB												
25...	3	<1	<0.1	<0.1	4	1	<1	<1	2	20	11	12
MAR												
30...	2	4	<0.1	0.1	3	3	<1	<1	2	20	18	12
APR												
27...	2	1	<0.1	<0.1	4	2	<1	<1	2	30	14	12
MAY												
26...	2	<1	<0.1	<0.1	3	2	<1	<1	1	20	13	8.1
JUN												
22...	2	1	0.1	<0.1	4	3	1	<1	2	20	10	6.5
JUL												
29...	3	2	<0.1	<0.1	4	3	<1	<1	2	20	--	7.2
AUG												
26...	2	<1	0.1	0.1	3	2	<1	<1	3	9	7	6.5
SEP												
30...	2	<1	0.2	0.1	1	8	<1	<1	3	10	4	5.7

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
OCT 1992											
27...	0.02	1	<1	--	--	--	--	--	--	--	--
NOV											
19...	<0.01	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC											
09...	<0.01	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1993											
28...	<0.01	2	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB											
25...	<0.01	2	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR											
30...	<0.01	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR											
27...	<0.01	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY											
26...	<0.01	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN											
22...	<0.01	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL											
29...	<0.01	3	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG											
26...	<0.01	6	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP											
30...	<0.01	<1	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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

MISSISSIPPI RIVER DELTA

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

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

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN WATER UNFLTRD REC (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 1992											
27...	--	--	--	--	--	--	--	--	--	--	--
NOV											
19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC											
09...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 1993											
28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB											
25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR											
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR											
27...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY											
26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN											
22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL											
29...	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01
SEP											
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 1992											
27...	--	--	--	--	--	--	--	--	--	12	0.9
NOV											
19...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	5.1	0.3
DEC											
09...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	1.0	<0.1
JAN 1993											
28...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.1	<0.5	<0.5	<0.5	2.0	0.2
FEB											
25...	<0.01	<0.01	<0.05	<0.05	<0.01	<0.5	<0.5	<0.5	<0.5	5.4	0.5
MAR											
30...	<0.01	<0.01	<0.05	<0.05	<0.01	<0.5	<0.5	<0.5	<0.5	1.0	<0.1
APR											
27...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	3.0	0.2
MAY											
26...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	6.5	0.8
JUN											
22...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	6.2	0.3
JUL											
29...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	12	0.6
AUG											
26...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	8.7	0.7
SEP											
30...	<0.01	<0.01	<0.05	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5	6.2	0.4

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

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.--No estimated daily discharges. 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 Glaives 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.--44 years, 873 ft³/s, 632,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s, May 24, 1953; maximum elevation, 24.27 ft, May 23, 1953; minimum discharge, 53 ft³/s, Aug. 12, 1965, minimum elevation, 6.78 ft, Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,900 ft³/s, Jan. 10, elevation, 18.44 ft; maximum elevation, 21.41 ft, Jan. 21; minimum discharge, 560 ft³/s, Sept. 23, 24, elevation, 12.20 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	729	1040	909	823	995	1040	892	908	846	879	837	839
2	790	1410	919	847	930	1630	888	1300	849	887	834	840
3	828	1270	900	848	884	1890	892	1490	861	881	832	840
4	854	1210	873	839	846	1780	1580	1520	863	864	837	848
5	866	1250	784	837	811	1620	1740	1490	859	838	838	844
6	870	1100	694	845	784	1430	1590	1420	858	839	836	841
7	876	1020	680	1220	756	1280	1440	1340	857	846	840	836
8	880	963	668	1070	732	1200	1660	1280	854	841	852	827
9	877	917	813	827	716	1180	1070	1230	853	850	848	752
10	877	877	1100	1170	713	1140	961	1170	854	924	846	723
11	882	863	1020	1790	797	1070	1020	1110	855	905	840	763
12	873	1020	973	1100	836	1010	1080	1040	856	850	838	810
13	869	1120	917	1660	890	1040	1570	992	851	857	838	844
14	865	1000	823	1630	908	980	1680	961	847	867	836	810
15	865	922	793	1430	892	932	1650	941	839	862	832	810
16	877	868	927	1240	938	1100	1510	916	836	850	838	814
17	863	874	1020	1100	975	1190	1360	897	838	880	838	803
18	840	890	956	981	813	1070	1260	886	843	902	836	784
19	835	894	861	894	862	988	1180	884	847	885	835	790
20	853	1230	797	1410	896	940	1120	872	856	878	834	797
21	865	1560	847	848	898	938	1070	861	873	852	835	763
22	867	1550	867	671	886	924	1030	843	884	840	837	677
23	868	1420	832	651	866	932	992	861	917	838	843	588
24	867	1350	842	611	842	997	972	874	1080	843	847	568
25	865	1260	797	655	908	993	955	876	997	848	846	594
26	864	1180	764	691	1320	956	936	878	977	849	846	645
27	864	1100	787	1640	1200	952	921	877	1080	847	845	730
28	878	1010	782	1580	1050	932	912	871	1170	846	844	808
29	883	933	744	1360	---	902	895	865	1050	845	843	836
30	881	867	700	1170	---	904	886	861	951	850	842	838
31	883	---	752	1070	---	900	---	855	---	843	841	---
TOTAL	26654	32968	26141	33508	24944	34840	35712	32169	27001	26686	26034	23262
MEAN	860	1099	843	1081	891	1124	1190	1038	900	861	840	775
MAX	883	1560	1100	1790	1320	1890	1740	1520	1170	924	852	848
MIN	729	863	668	611	713	900	886	843	836	838	832	568
AC-FT	52870	65390	51850	66460	49480	69110	70830	63810	53560	52930	51640	46140

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.13	14.59	14.04	13.61	14.44	14.66	13.96	14.03	13.73	13.89	13.68	13.70
2	13.44	16.20	14.09	13.74	14.14	17.01	13.94	15.77	13.75	13.93	13.67	13.70
3	13.64	15.63	14.00	13.74	13.92	18.02	13.96	16.50	13.80	13.91	13.66	13.70
4	13.77	15.39	13.86	13.69	13.73	17.56	16.85	16.63	13.82	13.82	13.68	13.74
5	13.83	15.57	13.41	13.68	13.55	16.93	17.41	16.50	13.79	13.69	13.69	13.72
6	13.85	14.92	12.94	13.72	13.41	16.26	16.86	16.21	13.79	13.69	13.68	13.70
7	13.88	14.57	12.87	15.65	13.27	15.68	16.30	15.92	13.78	13.73	13.70	13.68
8	13.90	14.29	12.80	18.83	13.14	15.36	19.32	15.68	13.77	13.70	13.76	13.63
9	13.89	14.08	13.53	18.71	13.06	15.26	20.27	15.45	13.76	13.75	13.74	13.25
10	13.89	13.88	14.93	18.12	13.04	15.09	20.01	15.21	13.77	14.10	13.73	13.10
11	13.91	13.81	14.54	17.60	13.48	14.77	19.46	14.94	13.77	14.02	13.70	13.30
12	13.87	14.54	14.34	18.18	13.68	14.51	18.70	14.63	13.78	13.75	13.69	13.54
13	13.84	14.99	14.08	17.78	13.95	14.66	17.88	14.43	13.76	13.79	13.69	13.72
14	13.83	14.48	13.61	17.00	14.04	14.37	17.20	14.28	13.73	13.83	13.68	13.55
15	13.83	14.10	13.46	16.26	13.96	14.15	17.10	14.19	13.69	13.81	13.66	13.55
16	13.88	13.84	14.12	15.53	14.18	14.89	16.59	14.08	13.68	13.75	13.69	13.57
17	13.82	13.87	14.57	14.90	14.35	15.28	16.01	13.98	13.69	13.90	13.69	13.51
18	13.70	13.95	14.26	14.38	13.56	14.78	15.58	13.93	13.72	14.01	13.68	13.41
19	13.67	13.97	13.80	13.97	13.81	14.41	15.25	13.92	13.73	13.93	13.67	13.45
20	13.76	15.42	13.48	18.97	13.98	14.19	15.02	13.86	13.78	13.89	13.67	13.48
21	13.82	16.76	13.73	21.35	13.99	14.18	14.79	13.80	13.86	13.76	13.67	13.31
22	13.84	16.72	13.83	20.95	13.93	14.11	14.58	13.71	13.92	13.70	13.68	12.85
23	13.84	16.25	13.66	20.46	13.83	14.15	14.43	13.81	14.07	13.69	13.71	12.36
24	13.84	15.95	13.71	19.87	13.71	14.45	14.33	13.87	14.81	13.71	13.73	12.24
25	13.82	15.60	13.48	19.20	14.04	14.43	14.26	13.88	14.45	13.74	13.73	12.39
26	13.82	15.24	13.31	18.49	15.84	14.26	14.17	13.89	14.36	13.74	13.73	12.68
27	13.82	14.91	13.43	17.70	15.34	14.24	14.10	13.88	14.80	13.73	13.72	13.13
28	13.89	14.53	13.40	16.82	14.68	14.15	14.05	13.86	15.23	13.73	13.72	13.54
29	13.92	14.15	13.21	15.98	---	14.01	13.97	13.83	14.69	13.73	13.71	13.68
30	13.90	13.83	12.97	15.23	---	14.02	13.93	13.80	14.24	13.75	13.71	13.69
31	13.91	---	13.25	14.76	---	14.00	---	13.77	---	13.71	13.71	---
MAX	13.92	16.76	14.93	21.35	15.84	18.02	20.27	16.63	15.23	14.10	13.76	13.74
MIN	13.13	13.81	12.80	13.61	13.04	14.00	13.93	13.71	13.68	13.69	13.66	12.24

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA
(National stream-quality accounting network station)

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

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft below sea level. Water-stage recorder for Bayou Teche at Keystone Lock lower gage (station 07385702) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharge. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaives floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion freshwater diversion operational during the year anytime the flow in Bayou Courtableau does not bypass by way of Courtableau weirs near Krotz Springs. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water from irrigation is diverted through Ruth Canal (Station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft to 9.47 ft in June 1957. Dam submerged, Jan. 20-23, Apr. 8-10.

AVERAGE DISCHARGE.--34 years, 509 ft³/s, 360,100 acre-ft/yr. The figure published in 1992 report was in error: the correct figure is 33 years, 496 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s, Sept. 5, 1973, maximum gage height, 16.15 ft, Oct. 23, 1984; minimum discharge, no flow at times in 1962-64, 1972, and 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1913, 24.30 ft, May 27, 1927; minimum, 0.75 ft, July 18, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,860 ft³/s, Jan. 20, gage height, 13.62 ft; minimum discharge, 75 ft³/s, Sept. 24, gage height, 9.72 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	605	361	302	755	558	418	657	409	391	284	250
2	265	715	376	323	698	993	408	868	397	353	273	250
3	300	658	368	330	629	1100	422	844	413	344	263	250
4	318	929	357	342	548	1050	1220	882	401	333	268	260
5	332	738	340	353	489	960	1090	886	330	313	267	254
6	330	589	264	337	447	862	996	854	321	303	268	247
7	332	499	245	916	404	763	1060	809	316	306	316	253
8	335	444	228	1410	364	685	1960	757	315	301	313	249
9	329	403	398	1220	335	640	1770	715	324	293	290	231
10	334	375	581	1350	320	623	1560	687	343	354	276	190
11	341	367	530	1330	348	586	1530	636	333	422	273	199
12	325	635	470	1210	377	570	1410	588	329	359	270	221
13	319	595	434	1100	377	580	1270	563	323	328	269	255
14	321	508	379	1000	392	520	1190	522	319	354	269	262
15	336	437	390	900	362	462	1230	515	298	368	263	256
16	363	385	443	793	462	577	1050	508	294	369	261	251
17	360	356	512	685	453	692	945	490	298	384	262	313
18	333	354	471	602	397	603	862	480	321	418	259	316
19	313	354	405	531	316	534	794	499	333	427	255	318
20	320	711	352	1720	343	503	763	478	357	443	249	322
21	335	803	333	2410	353	462	705	472	412	343	254	225
22	339	885	357	1850	355	438	652	458	449	314	251	172
23	347	783	351	1640	325	443	609	460	403	303	253	113
24	343	764	445	1620	325	462	583	487	514	281	263	81
25	336	675	385	1490	498	496	569	514	492	279	264	90
26	335	612	336	1370	823	492	549	514	463	284	267	128
27	337	557	313	1270	705	469	520	486	465	277	264	169
28	334	501	317	1150	604	461	507	441	573	278	265	192
29	335	440	296	1040	---	447	491	428	539	276	259	229
30	344	385	267	922	---	433	481	421	463	289	259	241
31	337	---	259	819	---	440	---	418	---	295	256	---
TOTAL	10159	17062	11563	32335	12804	18904	27614	18337	11547	10382	8303	6787
MEAN	328	569	373	1043	457	610	920	592	385	335	268	226
MAX	363	929	581	2410	823	1100	1960	886	573	443	316	322
MIN	231	354	228	302	316	433	408	418	294	276	249	81
AC-FT	20150	33840	22940	64140	25400	37500	54770	36370	22900	20590	16470	13460
CAL YR	1992	TOTAL 202275		MEAN 553		MAX 1490		MIN 228		AC-FT 401200		
WTR YR	1993	TOTAL 185797		MEAN 509		MAX 2410		MIN 81		AC-FT 368500		

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.96	10.42	10.15	10.07	10.61	10.39	10.22	10.48	10.21	10.19	10.05	10.02
2	10.02	10.56	10.17	10.10	10.55	10.83	10.21	10.72	10.20	10.14	10.03	10.02
3	10.07	10.50	10.16	10.11	10.47	10.94	10.23	10.70	10.22	10.13	10.01	10.02
4	10.09	10.78	10.15	10.13	10.38	10.89	11.04	10.73	10.20	10.11	10.02	10.04
5	10.11	10.59	10.12	10.14	10.31	10.81	10.93	10.74	10.11	10.09	10.02	10.03
6	10.11	10.43	10.02	10.12	10.26	10.71	10.84	10.71	10.10	10.07	10.02	10.03
7	10.11	10.32	9.99	10.69	10.21	10.61	10.88	10.66	10.09	10.08	10.09	10.04
8	10.12	10.26	9.96	11.20	10.16	10.53	12.77	10.61	10.09	10.07	10.09	10.03
9	10.11	10.21	10.17	11.04	10.12	10.48	12.10	10.56	10.10	10.06	10.05	10.00
10	10.12	10.17	10.42	11.15	10.10	10.46	11.42	10.53	10.13	10.14	10.03	9.93
11	10.12	10.16	10.36	11.13	10.13	10.42	11.29	10.48	10.11	10.23	10.03	9.95
12	10.10	10.47	10.29	11.03	10.17	10.40	11.20	10.43	10.11	10.15	10.02	10.00
13	10.09	10.43	10.24	10.94	10.17	10.42	11.09	10.40	10.10	10.11	10.02	10.05
14	10.10	10.33	10.17	10.85	10.19	10.35	11.02	10.35	10.09	10.14	10.02	10.06
15	10.12	10.25	10.18	10.75	10.15	10.28	11.05	10.34	10.07	10.16	10.01	10.05
16	10.15	10.18	10.25	10.64	10.28	10.41	10.89	10.33	10.06	10.16	10.01	10.04
17	10.15	10.15	10.34	10.53	10.27	10.54	10.80	10.31	10.07	10.18	10.01	10.14
18	10.11	10.14	10.29	10.44	10.20	10.44	10.71	10.30	10.10	10.22	10.01	10.15
19	10.09	10.14	10.21	10.36	10.09	10.36	10.64	10.32	10.11	10.23	10.00	10.15
20	10.10	10.54	10.14	11.95	10.13	10.33	10.61	10.30	10.15	10.25	10.00	10.16
21	10.12	10.65	10.11	12.93	10.14	10.28	10.55	10.29	10.21	10.13	10.01	10.01
22	10.12	10.74	10.15	11.80	10.14	10.25	10.50	10.27	10.26	10.09	10.01	9.92
23	10.13	10.63	10.14	11.47	10.10	10.25	10.45	10.27	10.20	10.07	10.01	9.81
24	10.13	10.61	10.26	11.37	10.10	10.28	10.42	10.31	10.34	10.04	10.02	9.73
25	10.12	10.52	10.18	11.26	10.30	10.32	10.40	10.34	10.31	10.04	10.03	9.76
26	10.12	10.45	10.12	11.17	10.67	10.31	10.38	10.34	10.28	10.04	10.04	9.84
27	10.12	10.39	10.09	11.08	10.55	10.29	10.35	10.30	10.28	10.03	10.03	9.92
28	10.12	10.32	10.09	10.98	10.44	10.28	10.33	10.25	10.41	10.04	10.04	9.97
29	10.12	10.25	10.06	10.88	---	10.26	10.31	10.24	10.37	10.03	10.03	10.04
30	10.13	10.18	10.02	10.77	---	10.24	10.30	10.23	10.28	10.05	10.03	10.06
31	10.12	---	10.01	10.67	---	10.25	---	10.22	---	10.06	10.03	---
MAX	10.15	10.78	10.42	12.93	10.67	10.94	12.77	10.74	10.41	10.25	10.09	10.16
MIN	9.96	10.14	9.96	10.07	10.09	10.24	10.21	10.22	10.06	10.03	10.00	9.73

MISSISSIPPI RIVER DELTA
07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-67, 1975 to current year.

REMARKS.--Location of sampling site was relocated approximately 2.2 miles upstream of lock and dam. The new location enables collection of more representative water sample.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1981.

WATER TEMPERATURES: October 1974 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 522 micromhos July 22, 1980; minimum daily, 39 micromhos May 19, 1980.

WATER TEMPERATURES: Maximum daily, 36.0 °C July 8, 1980; minimum daily, 3.5 °C Jan. 19, 1977.

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

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	
		CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)		POTAS-SIUM, DIS-SOLVED (MG/L AS K)			ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)
OCT 1992 22...	1130	339	386	7.52	22.5	20	14	6.4	1.2	100	84	120	
MAR 1993 17...	1145	692	137	6.82	14.5	100	60	9.4	2.3	1100	860	39	
APR 13...	1245	1270	81	6.77	20.5	140	100	6.5	2.7	K28	350	19	
AUG 05...	1140	267	375	6.82	27.5	10	7.6	5.5	1.2	380	K120	140	
DATE		CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992 22...	30	10	31	3.9	101	29	39	0.2	9.5	239	216	0.09	
MAR 1993 17...	9.1	3.9	10	2.2	44	5.6	13	<0.1	6.5	96	77	--	
APR 13...	4.5	1.8	5.1	2.5	27	2.5	6.1	<0.1	<0.01	58	32	--	
AUG 05...	38	11	21	4.4	115	26	24	0.2	11	221	212	--	
DATE		NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 1992 22...	0.08	0.73	0.76	0.07	0.07	0.5	0.23	0.22	0.15	<10	70	<3	
MAR 1993 17...	<0.01	--	0.16	--	0.11	0.9	0.23	0.10	0.10	160	37	<3	
APR 13...	0.01	--	0.17	--	0.10	0.9	0.27	0.13	0.12	150	<2	<3	
AUG 05...	0.02	--	1.30	--	0.05	0.5	0.19	0.14	0.13	<10	80	<3	
DATE		IRON, DIS-SOLVED (UG/L AS Fe)	LITHIUM DIS-SOLVED (UG/L AS Li)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992 22...	26	6	60	<10	2	<1	<1	150	<6	22	20	100	
MAR 1993 17...	190	<4	43	<10	3	<1	<1	51	<6	45	84	92	
APR 13...	<3	16	<1	<10	2	<1	<1	<1	<6	82	281	100	
AUG 05...	5	10	34	<10	9	<1	<1	150	<6	20	14	82	

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

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

MISSISSIPPI RIVER DELTA

07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N 1/2 sec.45, T.7 S., R.5 E., Louisiana Meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft upstream from weir, 0.6 mi west of Arnaudville, and 0.9 mi downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to September 1982 (elevation only). October 1982 to current year.

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

REMARKS.--Estimated daily discharges: No gage-height record: Dec. 1-3, Sept. 17-18, Sept. 23-30; Nov. 20-25, Jan. 7-16, Jan. 20 to Feb. 2, March 2-8, April 4-19, May 2-9 (indefinite stage-discharge relationship). Records fair, except those above 660 ft³/s and indefinite stage-discharge relationship, which are poor. Bayou Fusilier is a tributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this 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, 558 ft³/s, Nov. 2; maximum daily reverse flow, -250 ft³/s, Jan. 23-25, April 13, 14; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	330	e240	222	e100	362	276	286	255	273	250	251
2	215	558	e230	234	e200	e300	274	e200	256	276	249	252
3	232	461	e220	234	280	e200	275	e150	262	273	248	252
4	243	420	245	230	258	e150	e100	e100	263	265	250	256
5	249	458	209	230	240	e100	e50	e150	260	252	250	254
6	251	373	170	234	226	e150	e350	e200	260	252	250	252
7	253	321	164	e400	212	e200	e370	e250	260	256	251	250
8	255	288	159	e-100	200	e320	e100	e300	258	254	257	246
9	254	266	220	e-200	193	414	e-100	e350	258	258	255	212
10	254	248	407	e-150	191	395	e-150	405	258	294	254	199
11	255	241	341	e-100	230	363	e-200	378	258	288	252	217
12	251	327	300	e100	249	333	e-200	346	259	258	250	243
13	250	396	269	e150	273	354	e-250	324	257	261	250	254
14	248	319	225	e200	283	320	e-250	309	255	265	249	235
15	248	271	207	e300	274	295	e-100	299	252	263	248	240
16	253	245	272	e400	300	380	e-150	288	250	257	250	231
17	247	247	325	385	319	450	e-50	279	251	271	250	e230
18	237	253	290	316	237	376	e200	274	254	283	249	e225
19	234	254	241	266	259	326	e350	274	255	274	249	245
20	241	e250	210	e-100	277	300	396	268	259	270	248	250
21	246	e-50	231	e-150	276	298	370	262	267	258	249	248
22	247	e-150	242	e-200	271	291	344	254	273	252	249	249
23	247	e-100	226	e-250	262	294	327	263	293	251	253	e200
24	247	e-50	237	e-250	250	325	316	269	380	253	254	e180
25	245	e100	216	e-250	291	324	308	270	333	256	254	e190
26	245	407	197	e-200	e300	307	298	270	320	256	254	e200
27	244	363	206	e-150	461	305	291	270	387	255	254	e220
28	249	314	205	e-100	367	295	286	268	451	255	253	e230
29	252	274	190	e-100	---	281	278	264	369	254	253	e240
30	250	239	172	e-50	---	282	274	262	310	258	252	e240
31	251	---	191	e50	---	280	---	259	---	254	252	---
TOTAL	7582	7873	7257	1601	7279	9370	4383	8341	8523	8145	7786	6991
MEAN	245	262	234	51.6	260	302	146	269	284	263	251	233

e Estimated

MISSISSIPPI RIVER DELTA
07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA--Continued
ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.22	13.55	---	12.58	13.72	13.87	13.12	13.21	12.91	13.09	12.87	12.88
2	12.50	15.34	---	12.70	13.39	16.44	13.10	14.78	12.93	13.12	12.86	12.88
3	12.68	14.66	---	12.71	13.16	17.54	13.11	15.44	12.98	13.09	12.85	12.89
4	12.80	14.35	12.82	12.67	12.95	17.02	16.08	15.44	12.99	13.01	12.87	12.92
5	12.86	14.63	12.44	12.66	12.77	16.28	16.94	15.25	12.97	12.89	12.87	12.90
6	12.87	13.97	11.99	12.70	12.62	15.45	16.34	14.97	12.97	12.89	12.87	12.89
7	12.90	13.53	11.92	14.66	12.47	14.74	15.67	14.74	12.96	12.93	12.88	12.87
8	12.92	13.23	11.86	18.37	12.34	14.41	18.81	14.56	12.95	12.91	12.94	12.83
9	12.91	13.03	12.50	18.31	12.27	14.30	19.84	14.40	12.94	12.94	12.92	12.48
10	12.90	12.85	14.25	17.68	12.24	14.15	19.60	14.23	12.95	13.29	12.91	12.33
11	12.92	12.78	13.70	17.13	12.66	13.89	19.01	14.01	12.95	13.23	12.89	12.53
12	12.88	13.56	13.35	17.71	12.85	13.64	18.22	13.75	12.96	12.94	12.87	12.80
13	12.86	14.16	13.06	17.32	13.10	13.82	17.38	13.56	12.94	12.97	12.87	12.91
14	12.85	13.51	12.61	16.48	13.18	13.52	16.63	13.43	12.91	13.02	12.86	12.71
15	12.85	13.08	12.42	15.63	13.10	13.30	16.53	13.34	12.88	12.99	12.85	12.76
16	12.90	12.81	13.08	14.74	13.34	14.01	15.93	13.24	12.87	12.94	12.87	12.67
17	12.84	12.83	13.56	14.07	13.51	14.57	15.22	13.15	12.88	13.07	12.86	---
18	12.73	12.90	13.25	13.49	12.73	14.00	14.72	13.10	12.90	13.19	12.86	---
19	12.71	12.91	12.78	13.02	12.95	13.58	14.39	13.10	12.92	13.10	12.85	12.82
20	12.78	14.53	12.45	18.18	13.13	13.34	14.16	13.04	12.96	13.07	12.85	12.87
21	12.83	16.24	12.68	20.95	13.12	13.33	13.95	12.99	13.04	12.95	12.85	12.85
22	12.84	16.16	12.79	20.67	13.08	13.26	13.73	12.91	13.09	12.89	12.86	12.86
23	12.84	15.55	12.62	20.20	12.98	13.29	13.58	12.99	13.27	12.88	12.89	---
24	12.83	15.13	12.74	19.59	12.87	13.57	13.49	13.06	14.03	12.90	12.91	---
25	12.82	14.69	12.51	18.87	13.22	13.56	13.41	13.06	13.63	12.92	12.91	---
26	12.81	14.25	12.31	18.10	15.25	13.40	13.32	13.07	13.53	12.93	12.91	---
27	12.81	13.89	12.41	17.26	14.65	13.39	13.26	13.07	14.06	12.92	12.90	---
28	12.86	13.47	12.40	16.36	13.92	13.30	13.22	13.04	14.58	12.91	12.90	---
29	12.88	13.10	12.23	15.49	---	13.17	13.14	13.01	13.94	12.91	12.89	---
30	12.86	12.76	12.02	14.65	---	13.18	13.10	12.99	13.44	12.95	12.89	---
31	12.88	---	12.24	14.11	---	13.16	---	12.96	---	12.91	12.89	---
MAX	12.92	16.24	---	20.95	15.25	17.54	19.84	15.44	14.58	13.29	12.94	---
MIN	12.22	12.76	---	12.58	12.24	13.16	13.10	12.91	12.87	12.88	12.85	---

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA

LOCATION.--Lat 30°14'35", long 91°53'05", in NE 1/4 NW 1/4 sec.95, T.9 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080103, near center of span on downstream side of bridge on State Highway 31, 1,200 ft above control structure, 1,500 ft downstream from point of diversion from Bayou Teche, 0.4 mi northwest of Ruth, and 2.2 mi south of town of Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year. Elevations only, May 1945 to June 1946 (fragmentary), January 1947 to September 1960 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is sea level. Auxiliary water-stage recorder 150 ft below control structure at same datum. Since July 12, 1973, water-stage recorder for Ruth Canal at Ruth (station 07386705) used as auxiliary gage for this station. Nov. 4, 1965 to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges. No auxiliary gage record Nov. 11 to Dec. 1. Records good. Total flow through control structure diverted from Bayou Teche for irrigation. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 802 ft³/s, Apr. 21, 1966; maximum daily reverse flow, -60 ft³/s, Jan. 31, 1993 (backwater from Vermilion River); minimum daily (unaffected by backwater), 0.03 ft³/s, June 1, 1982.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	219	e261	267	e-50	233	288	261	293	348	378	395
2	260	199	253	272	e.00	236	290	268	293	361	383	393
3	259	237	260	270	e56	240	280	247	291	370	385	393
4	259	206	260	267	e78	233	245	253	316	374	386	394
5	263	241	257	264	e95	222	244	257	368	372	389	394
6	267	236	254	269	124	215	237	258	366	376	390	392
7	267	240	254	262	140	210	230	261	365	378	391	390
8	269	246	256	232	156	213	271	264	363	381	387	394
9	268	251	251	226	173	222	237	269	360	384	388	395
10	267	248	224	218	179	234	205	272	360	380	390	392
11	271	213	227	203	199	243	189	279	362	356	390	397
12	270	226	230	195	212	248	172	284	361	365	390	399
13	268	234	237	183	228	247	152	287	360	375	390	397
14	267	238	243	170	242	254	137	294	363	375	391	388
15	265	245	244	158	249	262	140	302	381	381	391	389
16	265	250	236	150	236	249	124	303	379	369	391	341
17	268	254	235	145	236	235	120	305	382	380	391	287
18	269	257	236	147	246	235	121	305	376	368	391	287
19	266	e257	241	152	259	239	129	305	376	374	390	285
20	266	e258	240	262	265	251	140	308	353	354	390	286
21	266	e259	246	261	268	260	149	306	377	364	389	385
22	265	e259	253	221	271	267	161	304	351	369	390	377
23	268	e260	255	201	272	273	175	300	385	373	393	372
24	270	e260	237	185	272	280	188	298	355	377	394	376
25	270	e261	233	166	260	284	198	303	345	380	394	381
26	269	e262	243	149	232	280	208	307	340	381	393	385
27	269	e260	251	e105	234	281	220	304	365	382	391	388
28	268	e261	257	e50	229	285	231	291	342	383	391	399
29	267	e260	259	e-40	---	287	243	289	337	386	392	398
30	267	e262	259	e-55	---	286	255	291	337	376	393	397
31	248	---	262	e-60	---	286	---	291	---	372	394	---
TOTAL	8240	7359	7654	5495	5361.00	7790	5979	8866	10602	11564	12086	11246
MEAN	266	245	247	177	191	251	199	286	353	373	390	375

e Estimated

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.19	10.01	9.59	9.27	10.88	10.14	9.53	10.11	9.50	9.19	9.19	9.23
2	9.30	10.63	9.61	9.34	10.69	11.21	9.48	10.80	9.52	9.13	9.15	9.24
3	9.39	10.50	9.59	9.38	10.47	11.71	9.56	11.00	9.57	9.11	9.13	9.26
4	9.46	10.80	9.55	9.42	10.25	11.57	11.71	11.12	9.41	9.11	9.14	9.28
5	9.49	10.64	9.44	9.40	10.09	11.31	11.69	11.11	9.15	9.06	9.21	9.26
6	9.49	10.26	9.24	9.38	9.96	11.02	11.45	11.00	9.11	9.10	9.25	9.27
7	9.50	10.01	9.18	10.92	9.83	10.73	11.37	10.85	9.11	9.08	9.34	9.27
8	9.50	9.85	9.13	12.39	9.73	10.51	14.25	10.72	9.12	9.04	9.35	9.26
9	9.49	9.70	9.63	12.15	9.63	10.40	14.11	10.58	9.12	9.07	9.28	9.20
10	9.49	9.60	10.21	12.18	9.58	10.31	13.43	10.44	9.07	9.55	9.25	9.09
11	9.50	9.59	10.06	11.98	9.66	10.16	13.12	10.29	9.04	9.39	9.23	9.14
12	9.48	10.19	9.90	11.98	9.71	10.04	12.79	10.13	9.01	9.22	9.24	9.24
13	9.48	10.24	9.77	11.82	9.70	10.09	12.39	10.02	8.96	9.21	9.24	9.35
14	9.49	10.01	9.59	11.52	9.72	9.96	12.08	9.89	8.84	9.21	9.24	9.38
15	9.50	9.80	9.61	11.20	9.73	9.81	12.10	9.94	8.84	9.36	9.22	9.32
16	9.56	9.64	9.76	10.88	9.86	10.21	11.72	9.91	8.87	9.23	9.21	9.33
17	9.53	9.55	9.97	10.56	9.86	10.47	11.43	9.86	8.94	9.43	9.20	9.58
18	9.45	9.54	9.86	10.31	9.62	10.26	11.17	9.83	8.99	9.35	9.20	9.58
19	9.41	9.54	9.66	10.10	9.48	10.06	10.99	9.84	9.18	9.62	9.20	9.60
20	9.44	10.41	9.47	14.16	9.57	9.91	10.81	9.79	9.17	9.40	9.22	9.55
21	9.46	10.94	9.45	15.28	9.57	9.80	10.63	9.78	9.48	9.19	9.23	9.20
22	9.47	11.13	9.51	14.13	9.49	9.74	10.50	9.77	9.26	9.13	9.22	9.06
23	9.49	10.86	9.47	13.64	9.43	9.72	10.39	9.81	9.62	9.07	9.25	8.89
24	9.48	10.75	9.74	13.31	9.39	9.79	10.31	9.86	9.65	9.04	9.26	8.80
25	9.47	10.55	9.57	12.99	9.92	9.86	10.21	9.89	9.54	9.03	9.25	8.86
26	9.47	10.35	9.39	12.70	10.74	9.80	10.09	9.87	9.49	9.01	9.27	8.96
27	9.48	10.18	9.35	12.40	10.50	9.77	10.02	9.78	9.82	9.04	9.29	9.07
28	9.46	10.01	9.34	12.05	10.20	9.74	9.97	9.62	9.85	9.09	9.28	9.18
29	9.48	9.81	9.27	11.69	---	9.67	9.92	9.60	9.62	9.12	9.26	9.29
30	9.49	9.63	9.17	11.34	---	9.65	9.87	9.59	9.37	9.21	9.25	9.31
31	9.50	---	9.16	11.06	---	9.62	---	9.55	---	9.23	9.24	---
MAX	9.56	11.13	10.21	15.28	10.88	11.71	14.25	11.12	9.85	9.62	9.35	9.60
MIN	9.19	9.54	9.13	9.27	9.39	9.62	9.48	9.55	8.84	9.01	9.13	8.80

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", on line between secs.76 and 142, T.9 S., R.5 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on Surrey Street at Lafayette, 0.6 mi north of Lafayette Airport, and 1.4 mi upstream from Coulee des Poches.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorders and electromagnetic flowmeter. Datum of gage is 2.07 ft below mean low Gulf level or 2.85 ft below sea level. Prior to 1982, datum of gage was 1.53 ft below mean low Gulf or 2.31 ft below sea level (levels by Corps of Engineers). Prior to Oct. 1, 1985, water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharges. Records poor. No gage-height record: Oct. 1-7, Nov. 17 to Dec. 7, Jan. 24-27, Feb. 13 to April 7, April 9-19, May 22-23, June 12-13, Sept. 16, 21. No velocity records: Oct. 1-6, Nov. 17 to Dec. 7, Jan. 21 to April 19, May 21-24, June 11-14, Sept. 16, 21. Discharges are affected by tide at all stages: diversions above and below station for irrigation. Reverse flow at times during year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,280 ft³/s, July 17, 1989; maximum gage height 15.81 ft, Jan. 20, 1993; maximum negative discharge, -5,480 ft³/s, July 14, 1989; minimum gage height 0.79 ft, Nov. 20, 1969; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 2,300 ft³/s, Jan. 16, but may have been higher during periods of missing record; maximum negative daily discharge recorded, -399 ft³/s, Jan. 7, but may have been higher during periods of missing record; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	144	---	445	---	---	---	269	216	612	541	438
2	---	838	---	449	---	---	---	196	175	496	488	428
3	---	1230	---	383	---	---	---	1130	178	429	507	431
4	---	1020	---	343	---	---	---	1120	213	373	511	438
5	---	1330	---	464	---	---	---	1080	203	364	492	413
6	---	1450	---	453	---	---	---	1070	214	369	500	366
7	489	1380	---	-399	---	---	---	1030	172	379	483	418
8	585	1260	826	79	---	---	---	972	92	369	537	388
9	594	1160	507	1960	---	---	---	918	-8.1	344	553	383
10	492	952	1390	837	---	---	---	873	-8.5	276	511	384
11	595	731	1650	849	---	---	---	868	---	540	471	380
12	560	665	1570	1730	---	---	---	749	---	567	454	354
13	523	868	1410	1780	---	---	---	684	---	486	465	315
14	510	1280	1210	1960	---	---	---	614	---	465	464	580
15	500	1130	751	2100	---	---	---	461	-39	376	455	651
16	501	1040	1040	2300	---	---	---	419	-48	461	470	---
17	702	---	1170	2140	---	---	---	416	183	446	461	563
18	650	---	1330	2020	---	---	---	355	329	483	439	558
19	565	---	1070	1920	---	---	---	402	148	338	425	548
20	287	---	840	922	---	---	2120	293	220	537	426	583
21	204	---	939	---	---	---	1950	---	251	568	424	---
22	189	---	826	---	---	---	1890	---	362	534	444	632
23	278	---	742	---	---	---	1720	---	588	488	449	616
24	466	---	950	---	---	---	1580	---	542	445	413	588
25	438	---	1090	---	---	---	1440	395	629	402	412	582
26	375	---	992	---	---	---	1330	354	592	396	388	585
27	363	---	864	---	---	---	1220	292	647	360	384	628
28	396	---	786	---	---	---	1080	327	810	373	435	593
29	396	---	634	---	---	---	958	328	767	350	427	609
30	395	---	562	---	---	---	840	320	713	473	412	623
31	398	---	480	---	---	---	---	287	---	571	413	---
TOTAL	---	---	---	---	---	---	---	---	---	13670	14254	---
MEAN	---	---	---	---	---	---	---	---	---	441	460	---

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.60	---	4.72	12.38	---	---	7.56	4.71	6.68	5.56	4.89
2	---	7.96	---	4.42	12.05	---	---	9.39	4.90	6.19	5.29	5.05
3	---	7.49	---	4.83	11.69	---	---	8.89	5.15	5.83	5.18	5.09
4	---	7.97	---	5.25	11.32	---	---	8.68	5.13	5.71	5.16	5.08
5	---	8.08	---	5.31	10.95	---	---	8.55	5.44	5.70	5.14	4.99
6	---	7.84	---	5.04	10.55	---	---	8.37	5.35	5.63	5.22	5.24
7	---	7.51	---	8.38	10.11	---	---	8.10	5.43	5.42	5.44	5.31
8	5.39	7.13	5.01	11.16	9.70	---	13.29	7.85	5.74	5.16	5.68	5.24
9	5.03	6.76	6.55	10.23	9.27	---	---	7.63	5.79	5.13	5.40	5.14
10	5.24	6.41	8.01	10.46	8.91	---	---	7.30	5.55	6.17	5.19	5.01
11	5.21	6.47	7.48	10.69	8.75	---	---	6.79	5.30	6.69	5.15	4.88
12	4.82	7.44	7.30	10.89	8.37	---	---	6.36	---	6.16	5.17	5.08
13	5.02	7.84	6.99	10.77	---	---	---	6.03	---	5.85	5.20	5.58
14	5.13	7.64	6.59	10.67	---	---	---	5.51	5.02	5.93	5.10	6.06
15	5.30	7.24	6.82	10.62	---	---	---	5.41	4.88	5.98	5.01	5.65
16	5.48	6.72	7.13	10.49	---	---	---	5.28	5.20	6.09	4.84	---
17	5.36	---	7.32	10.30	---	---	---	5.07	5.52	6.14	4.78	4.84
18	5.10	---	7.09	10.07	---	---	---	5.12	5.83	6.30	4.82	4.98
19	4.80	---	6.81	9.77	---	---	---	5.06	6.51	6.66	5.00	5.19
20	5.16	---	6.44	13.48	---	---	11.07	4.81	7.22	6.77	5.07	5.32
21	5.19	---	6.13	15.00	---	---	10.68	4.98	7.03	6.11	5.16	---
22	5.24	---	6.06	14.72	---	---	10.27	---	7.40	5.87	5.06	5.40
23	5.27	---	5.95	14.44	---	---	9.91	---	6.84	5.56	5.03	5.25
24	5.11	---	7.08	---	---	---	9.57	5.90	7.55	5.30	4.96	5.05
25	4.90	---	6.87	---	---	---	9.22	6.34	7.49	5.12	4.93	5.01
26	4.88	---	6.34	---	---	---	8.79	5.51	7.53	5.00	5.19	5.16
27	5.02	---	5.98	---	---	---	8.36	5.09	7.22	5.06	5.46	5.08
28	5.07	---	5.65	13.42	---	---	8.01	5.29	7.53	5.18	5.33	4.69
29	5.03	---	5.44	13.21	---	---	7.65	5.35	7.43	5.12	5.14	5.07
30	5.17	---	5.20	12.96	---	---	7.23	5.24	7.15	5.68	5.04	5.24
31	5.20	---	4.95	12.68	---	---	---	5.03	---	5.81	4.93	---
MAX	---	---	---	---	---	---	---	---	---	6.77	5.68	---
MIN	---	---	---	---	---	---	---	---	---	5.00	4.78	---

MISSISSIPPI RIVER DELTA

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", on line between secs.60 and 61, T.12 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi south of Abbeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1978 to September 1984 (gage heights only) October 1984 to current year. Unpublished gage-height records, August 1960 to September 1978, available in files of the Louisiana District Office, Baton Rouge, La.

REVISED RECORDS.--WDR LA 80-3: 1979.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.34 ft below sea level (levels by Louisiana Department of Transportation and Development, Office of Highways). Prior to 1982 datum of gage 2.95 ft below National Geodetic Vertical of 1929.

REMARKS.--No estimated daily discharges. Records poor. No velocity records: April 10 to June 9. No gage-height records: June 9. Discharge affected by tide at all stages. Reverse flow at times during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 15,800 ft³/s, Oct. 28, 1985; maximum gage height recorded, 12.06 ft, May 31, 1979; maximum negative discharge recorded, -2,800 ft³/s, Aug. 15, 1985; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge recorded, 10,400 ft³/s, Jan. 21, but may have been higher during period Apr. 10 to June 9; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	248	1740	770	601	3010	1290	789	---	---	1260	605	546
2	94	3620	1220	31	2770	4900	237	---	---	1040	493	619
3	403	1050	403	53	2640	4170	106	---	---	859	535	751
4	366	2950	575	384	2960	2520	7530	---	---	582	620	687
5	627	2740	920	929	2920	2210	4930	---	---	514	587	322
6	376	1710	330	463	2670	1940	2390	---	---	789	751	364
7	202	1150	887	3990	2590	1860	2390	---	---	742	836	380
8	608	1110	426	6690	2140	1770	4120	---	---	758	1090	377
9	184	866	999	4120	2060	1610	3840	---	---	624	903	384
10	166	755	2240	4730	1880	1530	---	---	544	1180	771	369
11	898	1060	861	5070	2180	1250	---	---	785	1840	603	350
12	165	2600	998	4530	2140	1800	---	---	846	1220	503	358
13	495	2490	874	1810	912	1680	---	---	728	1020	619	371
14	255	1410	575	1770	1210	572	---	---	852	1550	612	432
15	504	1260	919	2810	695	540	---	---	384	1600	742	447
16	735	896	1720	2710	2380	2710	---	---	273	1530	628	402
17	618	560	1780	2280	1700	3020	---	---	148	1100	599	413
18	669	515	872	2020	1490	1410	---	---	462	1250	437	675
19	195	328	841	2510	540	1220	---	---	1260	1120	633	561
20	106	3870	1170	9300	1110	1250	---	---	2720	1460	557	736
21	290	3740	847	10400	807	1010	---	---	2990	915	943	826
22	163	2610	817	10100	975	916	---	---	3640	745	797	845
23	344	1860	857	6420	479	951	---	---	2480	775	811	829
24	481	2330	1690	5610	299	674	---	---	4220	597	753	751
25	586	2200	817	4710	1930	692	---	---	3250	476	742	569
26	410	1820	1110	4560	4430	976	---	---	3210	537	335	659
27	393	1520	570	3950	1620	629	---	---	2360	332	716	1200
28	511	1050	628	4010	1560	579	---	---	1830	484	826	359
29	319	921	504	3980	---	416	---	---	1500	569	757	785
30	430	791	566	3790	---	481	---	---	1410	904	829	774
31	346	---	533	3410	---	840	---	---	---	808	745	---
TOTAL	12187	51522	28319	117741	52097	47416	---	---	---	29180	21378	17141
MEAN	393	1717	914	3798	1861	1530	---	---	---	941	690	571

MISSISSIPPI RIVER DELTA

07386980 VERMILION RIVER AT PERRY, LA--Continued

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.94	6.38	4.51	3.88	5.28	5.03	3.20	5.94	4.23	4.83	4.13	4.24
2	5.52	5.85	4.18	3.80	5.24	6.77	3.21	7.27	4.77	4.63	4.29	4.51
3	5.65	5.54	4.62	4.63	5.53	6.40	4.74	5.73	4.90	4.54	4.46	4.44
4	5.63	5.54	4.84	5.05	5.60	4.78	8.09	5.17	4.92	4.55	4.45	4.24
5	5.06	4.40	4.11	4.22	5.53	4.15	6.61	5.52	4.97	4.97	4.48	4.49
6	4.78	4.06	4.90	4.21	4.72	4.18	5.16	5.49	4.83	5.14	4.57	4.69
7	5.37	4.44	4.31	5.97	4.33	4.38	6.04	5.31	5.09	4.81	4.55	4.71
8	5.10	4.83	4.05	8.44	4.57	4.37	10.63	5.67	5.51	4.46	4.51	4.77
9	4.69	5.10	5.53	6.52	4.79	4.46	10.12	6.02	---	4.41	4.44	4.68
10	5.23	5.01	5.14	7.18	5.17	4.52	8.67	5.45	5.49	4.51	4.33	4.48
11	4.48	5.24	4.13	6.56	5.41	4.48	7.14	4.54	4.99	5.08	4.45	4.51
12	4.46	5.73	4.66	6.32	4.46	4.35	6.19	4.63	4.73	4.71	4.63	4.93
13	4.74	4.49	5.10	5.18	4.23	2.19	5.99	4.08	4.60	4.69	4.57	5.69
14	5.03	4.59	5.25	5.03	4.51	2.72	6.45	4.19	4.52	4.88	4.38	6.16
15	5.13	4.55	5.95	5.23	5.30	4.37	7.24	4.64	4.17	4.93	4.18	4.97
16	5.03	4.49	4.95	5.08	5.18	6.13	5.56	4.60	4.38	5.13	3.95	4.42
17	4.60	4.88	4.45	5.19	3.98	4.99	5.43	4.54	4.98	4.66	3.90	4.63
18	4.35	4.97	4.72	5.31	3.66	4.56	5.69	4.81	5.52	4.77	4.13	4.99
19	4.41	5.36	5.30	5.01	4.40	4.95	5.82	4.28	5.79	4.68	4.37	5.34
20	5.16	6.86	4.83	8.45	4.81	4.89	5.73	4.38	7.00	4.67	4.47	5.37
21	5.06	6.64	4.40	11.10	4.92	4.58	4.72	4.91	6.98	4.20	4.38	5.27
22	5.23	5.90	4.67	10.08	4.37	4.67	4.74	5.27	6.82	4.33	4.29	5.27
23	5.13	5.09	4.68	8.89	4.60	4.19	5.32	5.77	6.38	4.29	4.27	5.07
24	4.74	5.75	4.27	7.32	5.04	4.27	5.73	5.82	6.20	4.18	4.18	4.84
25	4.45	4.89	5.06	6.21	6.01	4.51	5.60	5.06	6.46	4.11	4.07	4.93
26	4.57	4.09	4.35	5.66	5.88	4.13	4.95	4.76	6.05	4.10	4.95	5.00
27	4.78	3.86	4.77	5.45	4.46	4.27	5.13	4.90	5.57	4.30	5.07	4.02
28	4.72	4.17	4.48	5.78	4.81	4.37	5.34	5.02	5.45	4.42	4.62	4.28
29	4.77	4.48	4.65	5.60	---	4.52	5.60	5.05	5.13	4.27	4.43	4.74
30	4.82	4.31	4.42	5.29	---	4.78	5.35	4.97	5.08	4.38	4.27	4.93
31	4.96	---	4.32	5.34	---	4.15	---	4.62	---	4.17	4.14	---
MAX	5.65	6.86	5.95	11.10	6.01	6.77	10.63	7.27	---	5.14	5.07	6.16
MIN	4.35	3.86	4.05	3.80	3.66	2.19	3.20	4.08	---	4.10	3.90	4.02

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW 1/4 SE 1/4 sec.32, T.6 S., R.1 W., Louisiana Meridian, Evangeline Parish, Hydrologic Unit 08080201, on left downstream side of bridge of eastbound lane on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

DRAINAGE AREA.--131 mi².

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

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water stage recorder. Datum of gage is 14.84 ft above sea level (Corps of Engineers levels). Prior to Mar. 23, 1989, nonrecording gage read twice daily. Prior to Dec. 12, 1987, water-stage recorder at same site and datum. Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Water-stage recorder for Bayou des Cannes at State Highway 755, near Eunice (Station No. 08010010) used as auxiliary gage for this station from November 1950 to September 1984. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Estimated daily discharges. Records fair, except for estimated discharge, which are poor. Small diversion above station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s, May 20, 1953, gage height, 22.36 ft; no flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e10	427	e30	e25	e23	290	182	569	e35	96	152	5.1
2	e8.0	2050	e20	e20	e19	2490	125	3940	e30	60	94	1.8
3	e5.0	1950	e15	e15	e16	3680	98	5030	e25	41	128	1.8
4	e4.0	809	e40	e10	e14	2680	2110	4780	e20	37	146	2.9
5	e2.0	404	155	229	e12	883	3440	3830	e15	27	136	2.9
6	e1.5	145	92	94	e11	197	2340	1660	e13	17	77	2.6
7	e1.0	74	e60	1020	e10	106	952	515	e11	9.9	63	1.9
8	e1.5	e55	e50	3210	e12	e80	3200	161	e10	21	67	1.9
9	e1.0	e30	e295	2880	e15	e75	4470	103	e9.4	15	137	1.9
10	e2.0	e15	1340	1220	e100	e70	4190	87	e8.6	35	85	1.3
11	e1.5	e11	643	722	462	e80	2420	e72	e8.2	247	68	1.2
12	e1.3	280	135	1010	288	e150	822	e66	e7.6	107	49	.75
13	e1.2	759	69	979	126	374	243	e60	e7.2	99	26	.52
14	e1.0	229	e60	447	e80	127	204	e56	e6.9	129	25	.50
15	e.90	85	103	174	e60	e70	736	e52	e6.4	124	20	.43
16	e1.0	e55	974	114	339	e550	427	e48	6.3	89	26	.38
17	e2.5	e50	702	87	308	798	198	e46	7.1	109	39	.35
18	e3.0	e45	238	e60	97	226	155	e45	6.8	120	41	.34
19	e2.0	e60	108	e65	e70	110	115	100	20	65	23	.34
20	e1.3	e470	373	1580	e45	95	121	103	167	86	29	.37
21	e2.0	1840	820	3630	e30	e80	150	e75	453	69	24	.37
22	e1.5	1970	348	3580	e25	e75	129	e60	607	47	24	.37
23	e1.0	1770	214	2180	e20	533	98	e50	670	46	53	.31
24	e.80	801	321	720	e15	404	e75	e40	1400	50	40	.27
25	e.70	706	185	271	e300	227	87	e30	1610	57	13	.26
26	e.60	270	151	150	1730	699	e60	e25	1650	42	5.7	.33
27	e.55	109	111	101	905	314	e55	e20	1430	51	3.4	1.1
28	e.50	65	76	e80	180	207	e50	e15	920	54	6.6	.92
29	e.45	e60	67	e60	---	184	e45	e13	418	53	10	e.60
30	e.80	e50	e45	e40	---	205	90	e12	151	281	7.0	.31
31	135	---	e30	e28	---	177	---	e10	---	262	5.1	---
TOTAL	195.60	15644	7870	24801	5312	16236	27387	21673	9729.5	2545.9	1622.8	34.12
MEAN	6.31	521	254	800	190	524	913	699	324	82.1	52.3	1.14
MAX	135	2050	1340	3630	1730	3680	4470	5030	1650	281	152	5.1
MIN	.45	11	15	10	10	70	45	10	6.3	9.9	3.4	.26
AC-FT	388	31030	15610	49190	10540	32200	54320	42990	19300	5050	3220	68
CFSM	.05	3.98	1.94	6.11	1.45	4.00	6.97	5.34	2.48	.63	.40	.01
IN.	.06	4.44	2.23	7.04	1.51	4.61	7.78	6.15	2.76	.72	.46	.01

e Estimated

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1993, BY WATER YEAR (WY)

MEAN	126	196	391	433	448	303	318	330	211	226	174	178
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 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1939 - 1993

ANNUAL TOTAL	124285.60	133050.92	
ANNUAL MEAN	340	365	277
HIGHEST ANNUAL MEAN			523
LOWEST ANNUAL MEAN			87.0
HIGHEST DAILY MEAN	4160	5030	May 31 1700
LOWEST DAILY MEAN	.45	.26	Sep 25.00
ANNUAL SEVEN-DAY MINIMUM	.63	.33	Sep 20.00
INSTANTANEOUS PEAK FLOW		5070	May 31 1900
INSTANTANEOUS PEAK STAGE		18.76	May 322.36
INSTANTANEOUS LOW FLOW		*.26	Sep 5.00
ANNUAL RUNOFF (AC-FT)	246500	263900	200800
ANNUAL RUNOFF (CFSM)	2.59	2.78	2.12
ANNUAL RUNOFF (INCHES)	35.29	37.78	28.75
10 PERCENT EXCEEDS	932	976	766
50 PERCENT EXCEEDS	84	66	45
90 PERCENT EXCEEDS	12	1.3	4.0

* Minimum daily discharge

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.20	---	---	---	6.07	5.35	8.01	---	4.00	5.09	1.70
2	---	15.81	---	---	---	16.16	4.35	17.81	---	3.13	3.96	1.46
3	---	15.57	---	---	---	17.66	3.79	18.73	---	2.70	4.66	1.47
4	---	11.70	---	---	---	16.58	15.25	18.54	---	2.58	4.99	1.56
5	---	8.29	5.12	6.29	---	11.78	17.45	17.77	---	2.33	4.79	1.57
6	---	4.94	---	3.95	---	5.44	16.11	14.82	---	2.02	3.56	1.54
7	---	3.49	---	10.57	---	3.89	12.45	9.27	---	1.75	3.23	1.48
8	---	---	---	17.24	---	---	17.11	5.24	---	2.13	3.29	1.48
9	---	---	---	16.88	---	---	18.30	4.15	---	1.95	4.75	1.48
10	---	---	14.12	13.57	---	---	18.08	3.80	---	2.48	3.76	1.41
11	---	---	10.34	11.19	8.74	---	16.18	---	---	6.45	3.34	1.39
12	---	7.00	4.77	12.91	6.63	---	11.59	---	---	4.23	2.91	1.32
13	---	11.45	3.39	12.77	4.15	7.83	6.45	---	---	4.07	2.40	1.27
14	---	6.14	---	8.61	---	4.30	5.86	---	---	4.63	2.37	1.27
15	---	3.76	4.17	5.24	---	---	11.30	---	---	4.54	2.24	1.25
16	---	---	12.93	4.17	7.12	---	8.49	---	1.56	3.86	2.39	1.23
17	---	---	11.00	3.58	6.86	11.62	5.84	---	1.61	4.27	2.70	1.22
18	---	---	6.32	---	3.63	5.89	5.15	---	1.59	4.48	2.73	1.22
19	---	---	4.26	---	---	4.03	4.39	4.11	2.02	3.27	2.34	1.22
20	---	---	7.30	12.93	---	3.73	4.53	4.17	5.01	3.79	2.46	1.23
21	---	15.43	11.93	17.62	---	---	5.06	---	8.84	3.38	2.35	1.23
22	---	15.71	7.69	17.57	---	---	4.66	---	10.23	2.83	2.36	1.23
23	---	15.22	6.09	15.83	---	9.35	4.05	---	10.76	2.80	3.02	1.21
24	---	11.74	7.47	10.95	---	8.15	---	---	14.26	2.89	2.70	1.19
25	---	11.05	5.61	6.44	---	5.97	3.80	---	14.89	3.07	2.05	1.19
26	---	6.74	5.09	4.61	15.16	11.00	---	---	15.00	2.72	1.74	1.21
27	---	4.28	4.32	3.68	11.90	7.13	---	---	14.38	2.92	1.60	1.38
28	---	---	3.56	---	5.11	5.75	---	---	12.42	2.98	1.78	1.35
29	---	---	3.32	---	---	5.40	---	---	8.42	2.96	1.95	---
30	---	---	---	---	---	5.71	3.87	---	5.07	6.65	1.82	1.21
31	4.83	---	---	---	---	5.28	---	---	---	6.74	1.71	---
MAX	---	---	---	---	---	---	---	---	---	6.74	5.09	---
MIN	---	---	---	---	---	---	---	---	---	1.75	1.60	---

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE 1/4 NW 1/4 sec.1, T.7 S., R.3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft downstream from Missouri Pacific Railroad bridge, and 2.0 mi west of Basile.

DRAINAGE AREA.--527 mi².

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

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft above sea level. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) used as auxiliary for this station since July 7, 1979 to Sept. 30, 1984. Mar. 27, 1945 to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: June 12 to July 22, 26. Records fair. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s, May 20, 1953, gage height, 34.39 ft; minimum discharge, 0.1 ft³/s, June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft, June 28, 1948.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	238	269	195	186	2070	383	637	56	e250	246	55
2	19	1100	173	162	144	3010	329	3600	48	e200	214	39
3	15	1420	127	130	121	4710	314	5950	39	e150	155	33
4	11	1230	106	114	108	5390	1490	6570	35	e100	124	26
5	7.4	1280	159	185	93	5120	3250	5790	36	e75	115	24
6	5.2	1160	252	266	86	4710	4130	4950	33	e60	147	21
7	6.9	913	271	697	91	4260	4230	4350	26	e55	135	17
8	7.5	560	240	2110	87	3830	4950	3800	23	e50	231	14
9	7.0	284	324	3290	81	3330	6170	3200	26	e45	384	13
10	9.1	159	1180	3540	87	2780	6620	2510	25	e150	390	12
11	8.0	113	1720	3350	309	2210	6070	1690	22	e500	267	11
12	9.3	184	1750	3220	608	1460	5360	888	e15	e750	178	11
13	10	582	1490	3600	513	979	4790	432	e14	e500	123	11
14	7.4	569	1150	3690	346	803	4350	218	e13	e600	93	11
15	5.8	351	783	3430	232	534	4010	144	e12	e550	74	11
16	7.4	222	1000	3010	301	731	3750	120	e11	e250	64	11
17	12	139	1320	2540	834	1450	3400	98	e10	e100	57	13
18	31	91	1270	2100	894	1700	2860	82	e9.0	e65	47	13
19	26	63	1030	1670	662	1510	2210	99	e8.0	e45	45	12
20	15	370	843	1790	430	1040	1480	233	e50	e25	42	12
21	17	1350	1140	2990	279	608	832	242	e800	e18	50	14
22	14	1740	1280	3930	209	381	485	173	e1600	e150	54	20
23	9.8	1890	1200	3970	178	685	284	109	e2500	131	51	22
24	6.8	1890	1120	3650	131	1330	225	78	e3400	121	70	18
25	5.7	1940	1040	3160	254	1510	222	64	e3600	134	81	15
26	4.9	1910	861	2610	1430	1680	220	71	e3800	e80	55	13
27	4.3	1670	703	2140	2230	1910	207	69	e2500	70	38	15
28	3.7	1340	560	1700	2300	1760	185	60	e1600	80	31	37
29	3.1	911	409	1080	---	1400	177	56	e800	110	35	55
30	5.0	494	309	541	---	905	163	67	e500	130	71	47
31	45	---	240	289	---	548	---	63	---	171	80	---
TOTAL	363.3	26163	24319	65149	13224	64344	73146	46413	21611.0	5715	3747	626
MEAN	11.7	872	784	2102	472	2076	2438	1497	720	184	121	20.9
MAX	45	1940	1750	3970	2300	5390	6620	6570	3800	750	390	55
MIN	3.1	63	106	114	81	381	163	56	8.0	18	31	11
AC-FT	721	51890	48240	129200	26230	127600	145100	92060	42870	11340	7430	1240
CFSM	.02	1.65	1.49	3.99	.90	3.94	4.63	2.84	1.37	.35	.23	.04
IN.	.03	1.85	1.72	4.60	.93	4.54	5.16	3.28	1.53	.40	.26	.04

e Estimated

MERMENTAU RIVER BASIN
08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1993, BY WATER YEAR (WY)

MEAN	312	529	1153	1426	1501	1128	1052	1099	549	532	435	418
MAX	2819	4751	4259	3950	6528	3301	3479	9202	2459	4695	5169	3109
(WY)	1986	1986	1972	1974	1955	1980	1973	1953	1940	1989	1940	1979
MIN	3.81	10.3	46.4	30.8	89.3	124	12.9	7.05	.38	10.8	23.0	11.4
(WY)	1949	1951	1959	1981	1968	1962	1946	1951	1948	1944	1947	1980

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1939 - 1993

ANNUAL TOTAL	337847.4	344820.3	
ANNUAL MEAN	923	945	842
HIGHEST ANNUAL MEAN			1639
LOWEST ANNUAL MEAN			283
HIGHEST DAILY MEAN	10000	Mar 8	6620
LOWEST DAILY MEAN	3.1	Oct 29	3.1
ANNUAL SEVEN-DAY MINIMUM	4.8	Oct 24	4.8
INSTANTANEOUS PEAK FLOW			6690
INSTANTANEOUS PEAK STAGE			23.05
INSTANTANEOUS LOW FLOW			2.9
INSTANTANEOUS LOW STAGE			1.32
ANNUAL RUNOFF (AC-FT)	670100	684000	609900
ANNUAL RUNOFF (CFSM)	1.75	1.79	1.60
ANNUAL RUNOFF (INCHES)	23.85	24.34	21.71
10 PERCENT EXCEEDS	2650	3340	2590
50 PERCENT EXCEEDS	260	225	160
90 PERCENT EXCEEDS	19	13	11

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	6.09	6.88	5.81	5.59	17.51	7.82	8.92	3.30	---	6.29	2.72
2	2.40	13.52	5.53	5.30	4.94	19.23	7.21	19.99	3.12	---	5.88	2.31
3	2.26	15.23	4.80	4.79	4.57	21.44	7.03	22.52	2.89	---	5.04	2.14
4	2.09	14.31	4.44	4.51	4.33	22.11	15.09	22.97	2.77	---	4.57	1.92
5	1.90	14.57	5.31	5.64	4.06	21.87	19.63	22.42	2.79	---	4.41	1.84
6	1.79	13.96	6.68	6.79	3.94	21.45	20.80	21.69	2.71	---	4.93	1.73
7	1.88	12.45	6.93	10.29	4.01	20.96	20.92	21.05	2.46	---	4.76	1.59
8	1.92	9.86	6.51	17.46	3.95	20.43	21.68	20.40	2.37	---	6.05	1.48
9	1.89	7.06	7.39	19.73	3.84	19.78	22.69	19.59	2.47	---	7.85	1.43
10	1.99	5.31	13.96	20.07	3.94	18.96	23.00	18.47	2.42	---	7.88	1.38
11	1.94	4.56	16.44	19.81	7.11	17.85	22.62	16.22	2.32	---	6.27	1.35
12	1.99	5.63	16.55	19.63	10.19	15.34	22.08	12.16	---	---	4.90	1.33
13	2.02	10.02	15.59	20.14	9.37	12.89	21.53	8.32	---	---	3.99	1.32
14	1.91	9.96	13.88	20.26	7.65	11.63	21.06	5.91	---	---	3.47	1.32
15	1.83	7.87	11.55	19.92	6.23	9.33	20.66	4.88	---	---	3.12	1.32
16	1.90	6.26	12.98	19.33	7.02	10.87	20.34	4.51	---	---	2.93	1.34
17	2.13	5.00	14.73	18.54	11.88	15.38	19.88	4.11	---	---	2.76	1.41
18	2.80	4.17	14.52	17.58	12.32	16.41	19.07	3.84	---	---	2.52	1.40
19	2.66	3.64	13.22	16.24	10.61	15.67	17.84	4.13	---	---	2.48	1.38
20	2.27	7.38	11.96	16.61	8.56	13.21	15.41	6.12	---	---	2.41	1.37
21	2.34	14.87	13.81	19.25	6.85	10.00	11.81	6.24	---	---	2.61	1.45
22	2.23	16.53	14.55	20.56	5.92	7.79	8.86	5.29	---	---	2.70	1.70
23	2.02	16.98	14.14	20.61	5.44	10.53	6.65	4.31	---	4.69	2.62	1.75
24	1.88	16.98	13.71	20.21	4.72	14.81	5.89	3.76	---	4.53	3.02	1.62
25	1.82	17.12	13.27	19.53	6.07	15.68	5.84	3.48	---	4.75	3.25	1.50
26	1.77	17.04	12.09	18.66	15.12	16.32	5.81	3.62	---	---	2.73	1.45
27	1.72	16.29	10.97	17.68	17.91	17.03	5.62	3.59	---	3.60	2.28	1.50
28	1.67	14.83	9.87	16.35	18.09	16.59	5.30	3.40	---	3.79	2.07	2.20
29	1.61	12.41	8.47	13.40	---	15.12	5.17	3.30	---	4.32	2.20	2.71
30	1.75	9.29	7.34	9.60	---	12.34	4.96	3.55	---	4.68	3.06	2.52
31	3.14	---	6.45	7.00	---	9.46	---	3.47	---	5.27	3.23	---
MAX	3.14	17.12	16.55	20.61	18.09	22.11	23.00	22.97	---	---	7.88	2.72
MIN	1.61	3.64	4.44	4.51	3.84	7.79	4.96	3.30	---	---	2.07	1.32

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°11'23", long 92°35'25", on line between secs.14 and 31, T.10 S., R.2 W., on parish line of Jefferson Davis and Acadia Parishes, Hydrologic Unit 08080202, on downstream side of U.S. Highway 90 bridge, 300 ft upstream from Southern Pacific Transportation Company railroad bridge, 0.25 mi west of Mermentau, and 2.0 mi downstream from confluence with Bayous Nezpique and Des Cannes.

DRAINAGE AREA.--1,381 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to current year. Gage-height records only, August 1941 to September 1984 in files of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 0.54 ft below sea level. Prior to October 1988, 1.12 ft below sea level, (when datum is applied to gage heights as published). Prior to October 1984, datum of gage is at mean low Gulf.

REMARKS.--No estimated daily discharges. Records poor. No gage-height and velocity record Dec. 5-14, Jan. 14-15, 19-20, Feb. 18-19. Discharge is affected by tide and wind at medium and low stages. Reverse flow at times during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 38,200 ft³/s, July 5, 1989; maximum negative discharge, 11,500 ft³/s, Dec. 31, 1984; maximum gage height, 10.97 ft, Nov. 2, 1985; minimum gage height, -0.03 ft, Aug. 15, 1985; no flow at times each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.5 ft, August 1940; minimum gage height, -0.94 ft, July 13, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 14,400 ft³/s, April 8; maximum negative daily discharge, -1,300 ft³/s, June 4, 7; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	847	792	334	442	3320	1720	381	276	5200	398	801
2	18	3620	460	-33	290	8600	592	4720	-1050	5630	407	942
3	58	3200	18	-126	132	9290	911	7110	-1300	6130	403	1020
4	-302	3450	-457	8.0	161	10200	6190	7720	-1030	5230	230	1380
5	-465	2660	---	417	257	10500	7930	8330	-665	1160	300	1160
6	-430	2460	---	224	255	8920	8270	9790	-980	883	46	1160
7	-574	2070	---	2230	99	7900	8750	11000	-1300	126	686	1230
8	300	1500	---	4420	40	6510	14400	8780	-1050	442	925	1020
9	-401	1310	---	4940	-21	5080	13500	6580	-755	172	785	668
10	-396	951	---	5960	326	4180	12700	6480	-612	620	787	118
11	592	799	---	4230	870	3800	12700	4200	-419	615	577	133
12	-450	1570	---	3350	1150	3480	12500	3270	-134	450	445	118
13	-503	2070	---	3390	677	2190	12100	3090	-187	314	335	121
14	-1030	1340	---	---	568	1560	11100	1380	-131	807	223	135
15	-717	973	1820	---	-425	1100	11700	-5.7	-262	733	144	157
16	147	651	2560	2220	1490	2820	9830	-466	-140	1200	291	336
17	440	194	2390	2120	1030	4600	4050	-602	-273	949	320	230
18	275	16	1710	2160	---	2890	2870	-562	96	761	295	138
19	-207	-232	1200	---	---	2300	4090	1170	1020	687	398	130
20	-316	1750	1190	---	-185	2580	4900	170	4100	597	1010	298
21	-254	3320	1020	9690	-232	1920	4020	-11	9930	490	1270	390
22	-335	4150	1000	5990	657	1430	2410	-511	12300	496	1190	166
23	-263	4800	1050	8030	-219	1930	541	-730	12100	309	920	228
24	-505	3870	1640	10300	-254	1470	377	-228	11800	69	703	638
25	-683	3300	1240	9070	855	1510	694	33	11700	.55	986	1010
26	-771	2800	1160	6500	4800	3710	1490	453	11600	131	1020	1670
27	-736	2390	842	4870	4180	2910	-14	-256	8160	153	744	1960
28	-232	2040	872	3560	2810	2120	-75	-287	5960	128	875	1920
29	-774	1680	611	2810	---	2150	-366	-134	6190	191	597	2110
30	-447	1470	471	2010	---	2110	-47	-613	5320	580	538	2100
31	-900	---	304	981	---	2350	---	68	---	497	702	---
TOTAL	-9789	61019	---	---	---	125430	169833	80319.3	90264	35750.55	18550	23487
MEAN	-316	2034	---	---	---	4046	5661	2591	3009	1153	598	783

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.39	1.73	1.80	1.63	2.66	2.25	1.77	2.50	1.67	3.39	1.53	1.41
2	1.41	2.04	1.66	1.65	2.50	2.85	1.64	2.72	1.82	3.11	1.53	1.43
3	1.38	2.21	1.63	1.77	2.42	3.19	1.75	2.99	1.90	2.90	1.55	1.41
4	1.46	2.04	1.73	1.84	2.34	3.33	2.46	3.21	1.86	2.79	1.55	1.33
5	1.49	1.95	---	1.60	2.31	3.33	2.83	3.46	1.77	2.71	1.57	1.35
6	1.49	1.93	---	1.64	2.15	3.14	2.92	3.58	1.78	2.56	1.59	1.34
7	1.56	1.90	---	2.13	2.09	2.98	3.22	3.57	1.84	2.44	1.52	1.26
8	1.49	1.92	---	3.00	2.05	2.76	4.64	3.44	1.87	2.25	1.53	1.29
9	1.51	1.92	---	3.29	2.00	2.59	5.57	3.32	1.81	2.13	1.58	1.29
10	1.54	1.89	---	3.53	2.01	2.44	5.92	3.12	1.66	2.11	1.57	1.22
11	1.39	1.95	---	3.72	2.19	2.17	6.05	2.87	1.55	2.11	1.59	1.23
12	1.50	2.04	---	3.96	2.08	1.76	5.92	2.74	1.57	2.06	1.59	1.26
13	1.47	1.97	---	3.88	1.96	1.67	5.44	2.47	1.57	2.04	1.57	1.41
14	1.51	1.97	---	---	1.91	1.80	4.89	2.25	1.49	2.04	1.54	1.48
15	1.51	1.90	2.41	---	2.11	1.91	4.65	2.17	1.46	2.10	1.53	1.05
16	1.50	1.84	2.30	3.10	2.02	2.23	4.22	2.10	1.51	2.14	1.48	1.04
17	1.44	1.83	2.24	2.95	1.77	2.31	3.84	2.02	1.49	2.18	1.42	1.10
18	1.41	1.83	2.17	2.86	---	2.22	3.60	2.02	1.57	2.15	1.39	1.16
19	1.45	1.87	2.24	---	---	2.27	3.52	1.89	1.75	2.11	1.39	1.20
20	1.52	2.14	2.21	---	1.99	2.31	3.33	1.88	2.20	2.07	1.40	1.18
21	1.52	2.40	2.14	4.75	2.08	2.18	2.95	1.88	3.03	1.99	1.46	1.19
22	1.50	2.63	2.13	5.13	1.77	2.16	2.79	1.94	3.96	1.93	1.47	1.22
23	1.48	2.60	2.15	5.33	1.77	2.11	2.80	2.03	4.14	1.85	1.52	1.22
24	1.47	2.52	1.98	5.33	1.83	2.05	2.82	2.09	4.20	1.77	1.46	1.19
25	1.47	2.46	2.09	5.00	2.08	2.09	2.67	1.88	4.18	1.71	1.40	1.24
26	1.49	2.30	1.95	4.41	2.26	2.08	2.39	1.78	4.22	1.63	1.36	1.18
27	1.50	2.16	2.03	3.87	2.20	2.06	2.35	1.86	4.25	1.63	1.51	.99
28	1.38	2.08	2.00	3.52	2.14	2.04	2.38	1.90	4.22	1.61	1.49	1.13
29	1.46	2.01	2.01	3.22	---	2.05	2.45	1.89	4.07	1.59	1.50	1.13
30	1.44	1.92	1.97	2.92	---	2.12	2.42	1.91	3.75	1.56	1.49	1.15
31	1.51	---	1.87	2.80	---	2.03	---	1.82	---	1.53	1.46	---
MAX	1.56	2.63	---	---	---	3.33	6.05	3.58	4.25	3.39	1.59	1.48
MIN	1.38	1.73	---	---	---	1.67	1.64	1.78	1.46	1.53	1.36	.99

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1980 to September 1982.

WATER TEMPERATURES: April 1980 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 642 micromhos Oct. 2, 1981; minimum daily, 51 micromhos Feb. 20, 1982.

WATER TEMPERATURES: Maximum daily, 31.0 °C July 12, 14, 15, 17-20, 1980; minimum daily, 6.0 °C Jan. 17, 1982.

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

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCTANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCHI KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)
OCT 1992 08...	1030	-300	179	7.47	24.5	20	15	3.0	0.8	K4	40	46
MAR 1993 19...	1230	2300	91	6.57	14.5	120	57	6.5	3.2	280	230	21
APR 19...	1200	4090	71	6.35	19.0	120	120	7.3	4.1	110	130	18
SEP 16...	0940	336	319	7.07	--	10	3.2	2.3	--	K40	K20	85
DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992 08...	12	3.9	15	5.6	51	5.0	18	0.2	12	113	102	0.08
MAR 1993 19...	5.4	1.9	8.0	2.2	23	3.9	9.7	<0.1	5.6	78	51	--
APR 19...	4.6	1.6	5.4	1.8	22	2.0	6.4	<0.1	5.6	59	41	--
SEP 16...	21	7.8	31	2.3	105	3.3	33	0.3	13	184	168	--
DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 1992 08...	0.07	0.19	0.19	0.13	0.12	0.8	0.22	0.14	0.13	110	83	<3
MAR 1993 19...	<0.01	0.16	0.16	--	0.09	1.2	0.26	0.06	0.05	240	47	<3
APR 19...	0.01	0.16	0.16	--	0.10	1.4	0.20	0.04	0.03	230	46	<3
SEP 16...	0.01	--	<0.05	--	0.13	0.5	0.11	0.09	0.08	<10	110	<3
DATE	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992 08...	280	<4	72	<10	4	<1	<1	72	<6	12	9.7	100
MAR 1993 19...	250	<4	32	<10	2	<1	<1	36	<6	115	714	100
APR 19...	310	<4	57	<10	2	<1	<1	30	<6	64	707	100
SEP 16...	8	<4	140	<10	<1	<1	<1	130	<6	--	552	92

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

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

MERMENTAU RIVER BASIN

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA

LOCATION.--Lat 30°04'55", long 92°30'20", Sec.19, T.11 S., R.1 W., Louisiana Meridian, Acadia-Vermilion Parish line, Hydrologic Unit 08080202, at bridge on State Highway 91, 0.5 mi northeast of Riceville, and 3.3 mi north of Gueydan.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year. Unpublished records, December 1982 to September 1985, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.30 ft below sea level. Oct. 4, 1942 to Dec. 31, 1951, nonrecording gage at same site. Prior to Oct. 1, 1987, at datum 6.60 ft below sea level.

REMARKS.--No estimated daily discharge. Discharge affected by wind and variable backwater from Mermentau River causing reverse flow at times during the year. Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 6,980 ft³/s, Oct. 31, 1985; maximum gage height, 12.01 ft, Nov. 2, 1985; maximum negative discharge, -919 ft³/s, Feb. 14, 1986; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 5,920 ft³/s, June 23, but may have been higher during period Dec. 21 to May 28; maximum negative daily discharge recorded, -145 ft³/s, but may have been higher during period Dec. 21 to May 28; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-27	18	7.2	---	---	---	---	---	-18	1170	43	-5.5
2	-31	368	9.6	---	---	---	---	---	-100	672	14	1.9
3	-23	445	-35	---	---	---	---	---	-145	674	25	4.6
4	-37	354	-65	---	---	---	---	---	-100	543	47	9.4
5	-33	586	17	---	---	---	---	---	-47	279	50	-11
6	-34	604	-6.7	---	---	---	---	---	-89	148	69	3.5
7	-45	412	-9.3	---	---	---	---	---	-115	79	84	9.2
8	-24	234	-18	---	---	---	---	---	-113	44	158	-14
9	-51	98	3.9	---	---	---	---	---	-104	18	263	-13
10	-39	29	500	---	---	---	---	---	-55	75	211	-1.6
11	12	25	764	---	---	---	---	---	-32	302	151	-33
12	-26	131	543	---	---	---	---	---	-54	360	60	-14
13	-26	422	306	---	---	---	---	---	-20	375	38	-48
14	-50	420	140	---	---	---	---	---	-27	455	20	-31
15	-35	263	33	---	---	---	---	---	-57	545	3.8	27
16	-18	129	180	---	---	---	---	---	-89	599	11	-12
17	6.0	45	412	---	---	---	---	---	-47	541	10	-25
18	-14	-6.1	495	---	---	---	---	---	-18	460	4.4	-26
19	-37	-33	324	---	---	---	---	---	112	343	2.3	-29
20	-40	111	175	---	---	---	---	---	652	300	-33	-21
21	-34	855	---	---	---	---	---	---	2820	256	-23	-29
22	-31	1530	---	---	---	---	---	---	5570	205	17	-39
23	-22	1420	---	---	---	---	---	---	5920	205	-4.7	-34
24	-30	956	---	---	---	---	---	---	5840	156	-1.1	-18
25	-38	810	---	---	---	---	---	---	4970	90	4.2	-34
26	-41	587	---	---	---	---	---	---	4410	51	-16	.85
27	-41	364	---	---	---	---	---	---	4180	48	-25	27
28	-22	221	---	---	---	---	---	-58	3730	27	20	-4.1
29	-61	107	---	---	---	---	---	-18	2890	9.2	15	-3.2
30	-35	44	---	---	---	---	---	-38	1930	33	2.2	-17
31	-52	---	---	---	---	---	---	.95	---	70	11	---
TOTAL	-979.0	11548.9	---	---	---	---	---	---	41794	9132.2	1231.1	-378.95
MEAN	-31.6	385	---	---	---	---	---	---	1393	295	39.7	-12.6

MERMENTAU RIVER BASIN
08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--Continued
GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.60	4.02	4.12	---	---	6.01	4.70	---	4.42	7.55	4.32	4.16
2	3.64	4.84	3.97	---	---	6.10	4.51	---	4.50	6.95	4.29	4.17
3	3.62	5.11	4.21	---	---	7.08	4.57	---	4.57	6.46	4.32	4.16
4	3.67	5.07	4.65	---	---	7.25	5.87	---	4.56	6.05	4.32	4.11
5	3.71	5.29	4.57	---	---	6.83	7.38	---	4.50	5.76	4.34	4.08
6	3.71	5.37	4.56	---	---	6.37	7.63	---	4.49	5.49	4.38	4.09
7	3.75	5.13	4.57	---	---	5.97	7.35	---	4.53	5.28	4.36	4.03
8	3.75	4.78	4.52	---	---	5.65	8.72	---	4.54	5.10	4.51	4.02
9	3.71	4.47	4.79	---	4.79	5.39	10.01	---	4.51	4.92	4.80	4.03
10	3.76	4.25	5.69	---	4.80	5.19	10.15	---	4.38	4.93	4.79	3.97
11	3.72	4.28	6.04	---	5.04	5.00	10.01	---	4.28	5.35	4.59	3.94
12	3.71	4.64	5.85	---	5.14	4.82	9.68	---	4.29	5.50	4.42	4.00
13	3.69	5.14	5.53	---	4.96	4.82	9.09	---	4.30	5.45	4.35	4.09
14	3.71	5.18	5.26	---	4.79	4.75	8.43	---	4.24	5.46	4.31	4.22
15	3.71	4.92	5.22	---	4.77	4.63	8.19	---	4.16	5.56	4.28	3.94
16	3.74	4.58	5.41	---	5.07	5.11	7.91	---	4.21	5.64	4.24	3.77
17	3.74	4.28	5.65	---	5.16	6.24	7.47	---	4.20	5.61	4.19	3.82
18	3.67	4.11	5.76	---	4.92	6.51	6.99	---	4.31	5.53	4.15	3.89
19	3.65	4.09	5.58	---	4.68	6.19	6.54	---	4.57	5.38	4.13	3.92
20	3.73	4.67	5.36	---	4.69	5.80	---	---	5.85	5.26	4.12	3.92
21	3.74	5.87	---	---	4.83	5.45	---	---	7.78	5.15	4.18	3.91
22	3.72	6.61	---	---	4.69	5.18	---	---	9.58	5.00	4.23	3.94
23	3.71	6.59	---	---	4.52	5.07	---	---	10.13	4.91	4.27	3.96
24	3.69	6.23	---	---	4.56	4.96	---	---	10.13	4.74	4.21	3.93
25	3.68	5.94	---	---	4.88	4.92	---	---	9.84	4.55	4.15	3.96
26	3.69	5.61	---	---	6.20	5.32	---	---	9.64	4.42	4.11	3.95
27	3.70	5.22	---	---	6.60	5.37	---	---	9.45	4.40	4.24	3.81
28	3.61	4.87	---	---	6.45	5.22	---	4.61	9.21	4.37	4.26	3.87
29	3.64	4.55	---	---	---	5.04	---	4.64	8.76	4.35	4.25	3.89
30	3.66	4.31	---	---	---	4.92	---	4.64	8.17	4.34	4.24	3.87
31	3.70	---	---	---	---	4.88	---	4.59	---	4.36	4.21	---
MAX	3.76	6.61	---	---	---	7.25	---	---	10.13	7.55	4.80	4.22
MIN	3.60	4.02	---	---	---	4.63	---	---	4.16	4.34	4.11	3.77

MERMENTAU RIVER BASIN

08012400 MERMENTAU RIVER AT LAKE ARTHUR, LA

LOCATION.--Lat 30°04'18", long 92°38'55", T.11 S., R.3 W., sec.13, Vermilion Parish, Hydrologic Unit 08080202, on southwest side of Citco Wharf, 1.1 mi upstream from State Highway 14 bridge, 3.1 mi downstream from Bayou Queue de Tortue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to current year (gage height only). Records collected at same site intermittently, 1952-55. Daily stages Mar. 30, 1956 to Sept. 30, 1984 are in reports of the U.S. Army Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder. Datum of gage is 1.78 ft below sea level. Prior to Oct. 1, 1987, at datum 3.56 ft below sea level (when datum is applied to gage heights as published).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.20 ft, Nov. 3, 1985; minimum, 1.18 ft, Aug. 15, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 7.50 ft mean low Gulf, May 20, 1980; minimum, -0.17 ft, mean low Gulf, June 17, 1963, from reports of the U.S. Army Corps of Engineers, New Orleans District.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.01 ft, Apr. 11; minimum, 2.23 ft, Sept. 27.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.93	3.21	3.32	2.98	3.98	3.53	3.09	3.81	3.04	4.56	2.90	2.80
2	2.96	3.46	3.19	3.00	3.84	3.93	2.99	3.92	3.17	4.35	2.90	2.82
3	2.92	3.64	3.17	3.11	3.76	4.12	3.10	4.06	3.25	4.18	2.92	2.80
4	3.00	3.46	3.23	3.17	3.68	4.18	3.63	4.17	3.22	4.11	2.92	2.73
5	3.03	3.40	2.99	2.94	3.64	4.15	3.87	4.31	3.13	4.06	2.94	2.74
6	3.03	3.40	3.12	2.98	3.49	4.05	3.97	4.39	3.14	3.92	2.96	2.74
7	3.09	3.39	3.10	3.32	3.43	3.97	4.27	4.40	3.20	3.79	2.89	2.67
8	3.03	3.43	3.08	3.93	3.38	3.83	5.18	4.42	3.23	3.62	2.90	2.68
9	3.04	3.44	3.30	4.16	3.34	3.73	5.64	4.43	3.17	3.50	2.94	2.68
10	3.08	3.42	3.41	4.33	3.35	3.63	5.86	4.27	3.03	3.48	2.94	2.61
11	2.93	3.48	3.36	4.48	3.50	3.40	5.98	4.09	2.92	3.48	2.96	2.63
12	3.03	3.52	3.38	4.69	3.38	2.98	5.95	4.00	2.93	3.42	2.96	2.65
13	3.00	3.45	3.47	4.64	3.29	2.97	5.78	3.74	2.92	3.40	2.94	2.79
14	3.04	3.48	3.51	4.52	3.25	3.13	5.63	3.58	2.86	3.39	2.92	2.86
15	3.04	3.42	3.68	4.36	3.45	3.25	5.43	3.52	2.82	3.46	2.90	2.46
16	3.03	3.37	3.55	4.24	3.31	3.52	5.15	3.45	2.88	3.49	2.86	2.44
17	2.98	3.36	3.47	4.15	3.10	3.49	4.92	3.37	2.86	3.53	2.80	2.50
18	2.95	3.36	3.46	4.09	3.04	3.50	4.76	3.36	2.94	3.50	2.77	2.55
19	2.98	3.41	3.55	3.97	3.18	3.58	4.75	3.25	3.10	3.48	2.77	2.58
20	3.05	3.61	3.49	4.56	3.31	3.61	4.55	3.23	3.48	3.44	2.78	2.57
21	3.06	3.82	3.44	5.21	3.39	3.49	4.21	3.23	4.00	3.35	2.84	2.58
22	3.04	3.95	3.43	5.47	3.12	3.49	4.11	3.29	4.64	3.29	2.85	2.61
23	3.02	3.92	3.44	5.61	3.12	3.43	4.13	3.38	4.85	3.22	2.90	2.61
24	3.00	3.91	3.25	5.55	3.19	3.38	4.15	3.44	4.94	3.13	2.85	2.58
25	3.00	3.86	3.38	5.42	3.40	3.41	4.00	3.25	4.97	3.07	2.79	2.63
26	3.02	3.71	3.26	5.15	3.45	3.33	3.74	3.15	4.99	3.01	2.76	2.58
27	3.03	3.61	3.35	4.88	3.42	3.35	3.70	3.21	5.04	3.01	2.89	2.39
28	2.92	3.55	3.32	4.66	3.43	3.35	3.73	3.26	5.04	2.99	2.87	2.52
29	2.98	3.50	3.34	4.42	---	3.35	3.79	3.25	4.96	2.96	2.88	2.53
30	2.98	3.42	3.29	4.19	---	3.43	3.75	3.27	4.79	2.93	2.88	2.54
31	3.04	---	3.20	4.11	---	3.32	---	3.18	---	2.90	2.84	---
MAX	3.09	3.95	3.68	5.61	3.98	4.18	5.98	4.43	5.04	4.56	2.96	2.86
MIN	2.92	3.21	2.99	2.94	3.04	2.97	2.99	3.15	2.82	2.90	2.76	2.39

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 record: Oct. 16, 19, Oct. 31 to Nov. 9, Jan. 19 to Feb. 7, March 12, 19, 21, April 8, 13-19, June 17-22, July 4-13. No velocity record: Oct. 1-2, Oct. 8 to Nov. 10, 12, 14-19, 26, Dec. 8-9, 13-14, 20-21, 23, 27-28, 30, Jan. 5, Jan. 14 to Feb. 8, 11, 20-23, March 6, 12, 15, 17-24, 26, April 5, 7-20, June 3-24, June 26 to July 13. Discharge affected by wind and tide at all stages. Reverse flow at times during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.72 ft, May 19, 1980; minimum gage height, 7.25 ft, Mar. 18, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge recorded, 2,990 ft³/s, March 3, may have been higher during period of missing record; no flow at times during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	521	458	---	1030	607	598	-5.7	---	593	511
2	---	---	577	233	---	1090	367	1630	171	---	501	504
3	139	---	446	161	---	2990	409	2670	---	---	588	497
4	303	---	476	103	---	2890	1520	2580	---	---	615	406
5	232	---	755	---	---	2340	---	2060	---	---	725	343
6	344	---	602	118	---	---	2390	1540	---	---	634	439
7	277	---	567	88	---	1040	---	984	---	---	568	343
8	---	---	---	253	---	849	---	351	---	---	702	399
9	---	---	---	521	553	663	---	482	---	---	634	418
10	---	---	95	509	639	668	---	1180	---	---	606	335
11	---	19	259	503	---	594	---	973	---	---	604	419
12	---	---	387	835	1440	---	---	908	---	---	551	500
13	---	209	---	217	872	816	---	825	---	---	544	643
14	---	---	---	---	558	376	---	498	---	721	503	877
15	---	---	311	---	154	---	---	630	---	694	504	626
16	---	---	989	---	1410	1160	---	679	---	796	459	510
17	---	---	1210	---	876	---	---	503	---	936	462	571
18	---	---	800	---	497	---	---	557	---	957	441	655
19	---	---	128	---	89	---	---	994	---	876	448	852
20	---	397	---	---	---	---	---	701	---	836	415	1040
21	---	441	---	---	---	---	1630	520	---	---	472	823
22	---	1890	145	---	---	---	923	354	---	736	519	868
23	---	1140	---	---	---	---	575	376	---	716	627	1060
24	---	1080	363	---	163	---	561	684	---	733	584	834
25	---	1300	791	---	835	1250	1150	562	4540	664	470	871
26	---	---	361	---	2430	---	1090	209	---	572	461	1010
27	---	908	---	---	2440	1170	541	165	---	568	495	1100
28	---	565	---	---	1890	774	460	260	---	562	653	608
29	---	457	155	---	---	918	499	287	---	567	707	485
30	---	662	---	---	---	639	875	307	---	545	696	435
31	---	---	93	---	---	774	---	264	---	521	617	---
TOTAL	---	---	---	---	---	---	---	25331	---	---	17398	18982
MEAN	---	---	---	---	---	---	---	817	---	---	561	633

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.39	---	8.75	8.44	---	9.04	8.40	9.22	8.44	9.76	8.22	8.10
2	8.41	---	8.62	8.44	---	9.29	8.40	9.33	8.54	9.61	8.22	8.10
3	8.73	---	8.65	8.58	---	9.45	8.61	9.42	8.58	9.47	8.27	8.08
4	8.42	---	8.66	8.63	---	9.43	9.05	9.50	8.56	---	8.29	8.07
5	8.46	---	8.52	8.39	---	9.30	9.27	9.57	8.50	---	8.29	8.09
6	8.46	---	8.56	8.42	---	9.19	9.40	9.54	8.52	---	8.30	8.07
7	8.56	---	8.54	8.75	---	9.11	9.51	9.50	8.58	---	8.25	8.06
8	8.47	---	8.55	9.32	8.81	9.03	---	9.60	8.62	---	8.26	8.07
9	8.50	---	8.76	9.63	8.79	8.99	10.54	9.70	8.57	---	8.29	8.04
10	8.53	8.91	8.85	9.69	8.81	8.95	10.68	9.52	8.41	---	8.27	7.99
11	8.37	8.97	8.83	9.64	8.94	8.82	10.69	9.38	8.32	---	8.30	8.03
12	8.45	8.90	8.86	9.72	8.81	---	10.59	9.26	8.32	---	8.29	8.04
13	8.42	8.88	8.98	9.68	8.74	8.20	---	9.03	8.31	---	8.26	8.20
14	8.50	8.90	9.06	9.63	8.71	8.52	---	8.96	8.23	8.77	8.23	8.22
15	8.50	8.84	9.16	9.58	8.92	8.79	---	8.89	8.21	8.85	8.18	7.83
16	---	8.81	9.00	9.51	8.77	9.07	---	8.81	8.28	8.87	8.14	7.81
17	8.43	8.83	8.91	9.48	8.60	9.07	---	8.74	---	8.91	8.08	7.86
18	8.39	8.83	8.91	9.48	8.49	9.05	---	8.74	---	8.89	8.06	7.93
19	---	8.91	9.00	---	8.66	---	---	8.68	---	8.85	8.06	7.97
20	8.53	9.09	8.93	---	8.75	9.14	9.88	8.65	---	8.79	8.04	7.93
21	8.55	9.27	8.87	---	8.78	---	9.58	8.66	---	8.71	8.11	7.94
22	8.55	9.24	8.85	---	8.59	8.94	9.48	8.74	---	8.63	8.13	7.96
23	8.48	9.24	8.87	---	8.58	8.91	9.51	8.83	9.97	8.55	8.17	7.95
24	8.45	9.23	8.74	---	8.71	8.90	9.56	8.86	10.08	8.47	8.12	7.91
25	8.41	9.18	8.82	---	8.89	8.87	9.43	8.65	10.16	8.42	8.08	7.94
26	8.44	9.04	8.72	---	8.99	8.76	9.21	8.56	10.21	8.35	8.08	7.94
27	8.43	8.94	8.78	---	9.00	8.78	9.14	8.63	10.19	8.36	8.20	7.77
28	8.37	8.93	8.77	---	8.94	8.77	9.18	8.68	10.15	8.34	8.14	7.88
29	8.43	8.92	8.82	---	---	8.78	9.23	8.65	10.06	8.30	8.15	7.87
30	8.47	8.82	8.76	---	---	8.84	9.16	8.64	9.92	8.27	8.19	7.91
31	---	---	8.65	---	---	8.64	---	8.54	---	8.25	8.15	---
MAX	---	---	9.16	---	---	---	---	9.70	---	---	8.30	8.22
MIN	---	---	8.52	---	---	---	---	8.54	---	---	8.04	7.77

MERMENTAU RIVER BASIN

08012531 WHITE LAKE DIVERSION CANAL NEAR PECAN ISLAND, LA.

LOCATION.--Lat 29°39'21", long 92°27'31", T. 15 S., R. 1 E., Vermilion Parish, Hydrologic Unit 08080202, at structure on White Lake Diversion Canal, 1.3 mi northwest of Pecan Island.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1992 to current.

GAGE.--Water stage recorder. Datum of gage is sea level determined by Global Positioning System.

REMARKS.--Elevation affected by wind and tide at all stages.

EXTREMES FOR PERIOD OF RECORD (OUTSIDE)--Maximum elevation recorded, 4.58 ft, June 22, 1993, but may have been higher during the periods of missing elevation record; minimum elevation recorded, -1.35 ft, Sept. 30, 1993, but may have been higher during the periods of missing elevation record.

EXTREMES FOR CURRENT PERIOD (OUTSIDE)--July to September 1992: maximum elevation recorded, 2.39 ft, August 26, but may have been higher during the periods of missing elevation record; minimum elevation recorded, 0.25 ft, July 15, but may have been lesser during the periods of missing elevation record.

Water year 1993: Maximum elevation recorded, 4.58 ft, June 22, but may have been higher during the periods of missing elevation record; minimum elevation recorded, -1.35 ft, Sept. 30, but may have been higher during the periods of missing elevation record.

EXTREMES FOR PERIOD OF RECORD (INSIDE)--Maximum elevation recorded, 4.31 ft, June 23, 1993; minimum elevation recorded, -0.49 ft, Mar. 13, 1993, but may have been lesser during the periods of missing elevation record.

EXTREMES FOR CURRENT PERIOD (INSIDE)--July to September 1992: maximum elevation recorded, 1.75 ft, Aug. 26, but may have been higher during the periods of missing elevation record; minimum elevation recorded, 0.62 ft, July 13.

Water year 1993: Maximum elevation recorded, 4.31 ft, June 23, but may have been higher during the periods of missing elevation record; minimum elevation recorded, -0.49 ft, Mar. 13, but may have been lesser during the periods of missing elevation record.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.92	.62
2	---	---	---	---	---	---	---	---	---	---	.87	.57
3	---	---	---	---	---	---	---	---	---	---	.88	.69
4	---	---	---	---	---	---	---	---	---	---	.87	.72
5	---	---	---	---	---	---	---	---	---	---	.82	.71
6	---	---	---	---	---	---	---	---	---	---	.80	.73
7	---	---	---	---	---	---	---	---	---	---	.76	.74
8	---	---	---	---	---	---	---	---	---	---	.73	.75
9	---	---	---	---	---	---	---	---	---	.77	.72	.73
10	---	---	---	---	---	---	---	---	---	.69	.76	.81
11	---	---	---	---	---	---	---	---	---	.64	.82	.87
12	---	---	---	---	---	---	---	---	---	.62	.79	.81
13	---	---	---	---	---	---	---	---	---	.57	.88	.72
14	---	---	---	---	---	---	---	---	---	.60	.90	---
15	---	---	---	---	---	---	---	---	---	.68	.91	---
16	---	---	---	---	---	---	---	---	---	.74	.87	---
17	---	---	---	---	---	---	---	---	---	.83	.82	---
18	---	---	---	---	---	---	---	---	---	.87	.74	---
19	---	---	---	---	---	---	---	---	---	.92	.73	---
20	---	---	---	---	---	---	---	---	---	.96	.72	---
21	---	---	---	---	---	---	---	---	---	.96	.66	---
22	---	---	---	---	---	---	---	---	---	.96	.61	---
23	---	---	---	---	---	---	---	---	---	1.01	.56	---
24	---	---	---	---	---	---	---	---	---	1.04	.60	---
25	---	---	---	---	---	---	---	---	---	1.05	.79	---
26	---	---	---	---	---	---	---	---	---	1.09	1.31	---
27	---	---	---	---	---	---	---	---	---	1.08	.75	---
28	---	---	---	---	---	---	---	---	---	1.08	.81	---
29	---	---	---	---	---	---	---	---	---	1.01	.69	---
30	---	---	---	---	---	---	---	---	---	.91	.69	---
31	---	---	---	---	---	---	---	---	---	.94	.68	---
MAX	---	---	---	---	---	---	---	---	---	1.09	1.31	.87
MIN	---	---	---	---	---	---	---	---	---	.57	.56	.57

MERMENTAU RIVER BASIN

08012531 WHITE LAKE DIVERSION CANAL NEAR PECAN ISLAND, LA.--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	1.81	.94	1.25	1.25	1.30	2.27	.78	.40
2	---	---	---	---	1.65	1.09	1.08	1.33	1.05	2.23	.68	.30
3	---	---	---	---	1.52	1.38	.81	1.49	.91	2.06	.57	.44
4	---	---	---	---	1.46	1.53	1.25	1.42	.83	1.73	.60	.40
5	---	---	---	---	1.57	1.53	1.49	1.34	.85	1.67	.53	.05
6	---	---	---	---	1.65	1.43	1.28	1.41	.77	1.70	.42	.27
7	---	---	---	---	1.44	1.35	1.07	1.44	.61	1.56	.80	.30
8	---	---	---	---	1.22	1.31	1.53	1.31	.45	1.61	1.25	.20
9	---	---	---	---	1.09	1.21	1.95	1.20	.46	1.77	.79	.10
10	---	---	---	---	1.05	1.11	1.94	1.49	.58	2.39	.61	.06
11	---	---	---	---	1.14	1.07	1.96	1.81	.61	2.02	.58	-.04
12	---	---	---	---	1.31	1.76	1.99	1.94	.61	1.57	.45	.60
13	---	---	---	---	1.13	1.96	1.94	1.97	.65	1.36	.58	.05
14	---	---	---	---	.98	1.18	1.80	1.70	.70	1.69	.46	-.22
15	---	---	---	---	.61	.72	2.31	1.57	.66	2.13	.56	.52
16	---	---	---	---	1.08	.81	2.22	1.49	.55	2.08	.51	.48
17	---	---	---	---	1.17	1.29	2.13	1.39	.43	1.81	.46	.45
18	---	---	---	---	1.20	1.19	2.03	1.32	.80	1.48	.35	.28
19	---	---	---	---	.88	1.05	1.74	1.56	2.10	1.43	.32	.45
20	---	---	---	---	.76	.99	1.84	1.39	2.47	1.33	.72	.43
21	---	---	---	---	.75	1.07	2.03	1.29	3.55	1.26	.67	.17
22	---	---	---	---	.99	1.05	1.75	1.14	3.30	1.15	.49	.01
23	---	---	---	---	.87	1.12	1.47	.98	2.82	1.05	.29	-.20
24	---	---	---	---	.70	1.06	1.23	1.00	2.64	.98	.27	-.34
25	---	---	---	---	.60	1.05	1.41	1.26	2.90	.96	.46	-.47
26	---	---	---	2.39	1.13	1.14	1.55	1.34	3.14	.86	.48	.33
27	---	---	---	2.18	1.13	1.01	1.36	1.24	3.10	.72	.60	.05
28	---	---	---	2.08	1.11	.97	1.21	1.14	2.64	.81	.42	-.87
29	---	---	---	2.09	---	.90	1.10	1.18	2.49	.81	.35	-.71
30	---	---	---	2.11	---	.86	1.15	1.21	2.36	.89	.35	-.62
31	---	---	---	1.89	---	1.11	---	1.27	---	.81	.39	---
MAX	---	---	---	2.39	1.81	1.96	2.31	1.97	3.55	2.39	1.25	.60
MIN	---	---	---	1.89	.60	.72	.81	.98	.43	.72	.27	-.87

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	1.07	.84
2	---	---	---	---	---	---	---	---	---	---	1.02	.78
3	---	---	---	---	---	---	---	---	---	---	1.04	.89
4	---	---	---	---	---	---	---	---	---	---	1.03	.94
5	---	---	---	---	---	---	---	---	---	---	.99	.92
6	---	---	---	---	---	---	---	---	---	---	.98	.94
7	---	---	---	---	---	---	---	---	---	---	.93	.96
8	---	---	---	---	---	---	---	---	---	---	.92	.95
9	---	---	---	---	---	---	---	---	---	.77	.91	.94
10	---	---	---	---	---	---	---	---	---	.73	.93	1.02
11	---	---	---	---	---	---	---	---	---	.70	.99	1.08
12	---	---	---	---	---	---	---	---	---	.66	.98	1.00
13	---	---	---	---	---	---	---	---	---	.66	1.04	.92
14	---	---	---	---	---	---	---	---	---	.70	1.06	---
15	---	---	---	---	---	---	---	---	---	.76	1.04	---
16	---	---	---	---	---	---	---	---	---	.84	.98	---
17	---	---	---	---	---	---	---	---	---	.96	.95	---
18	---	---	---	---	---	---	---	---	---	1.01	.90	---
19	---	---	---	---	---	---	---	---	---	1.05	.90	---
20	---	---	---	---	---	---	---	---	---	1.09	.88	---
21	---	---	---	---	---	---	---	---	---	1.08	.84	---
22	---	---	---	---	---	---	---	---	---	1.10	.80	---
23	---	---	---	---	---	---	---	---	---	1.17	.76	---
24	---	---	---	---	---	---	---	---	---	1.21	.80	---
25	---	---	---	---	---	---	---	---	---	1.23	.95	---
26	---	---	---	---	---	---	---	---	---	1.28	1.26	---
27	---	---	---	---	---	---	---	---	---	1.27	.93	---
28	---	---	---	---	---	---	---	---	---	1.26	.97	---
29	---	---	---	---	---	---	---	---	---	1.17	.87	---
30	---	---	---	---	---	---	---	---	---	1.09	.89	---
31	---	---	---	---	---	---	---	---	---	1.09	.88	---
MAX	---	---	---	---	---	---	---	---	---	1.28	1.26	1.08
MIN	---	---	---	---	---	---	---	---	---	.66	.76	.78

MERMENTAU RIVER BASIN

08012531 WHITE LAKE DIVERSION CANAL NEAR PECAN ISLAND, LA.--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	.87	.60	.79	1.44	1.49	2.11	1.12	1.07
2	---	---	---	---	.80	.79	1.01	1.53	1.26	2.03	1.10	1.04
3	---	---	---	---	.82	.75	.88	1.64	1.15	1.96	1.05	.95
4	---	---	---	---	.79	.69	1.30	1.59	1.09	1.89	1.08	.95
5	---	---	---	---	.80	.61	1.47	1.55	1.12	1.79	1.06	.94
6	---	---	---	---	.74	.59	1.34	1.62	1.06	1.79	1.07	.81
7	---	---	---	---	.74	.61	1.21	1.64	.87	1.75	1.02	.79
8	---	---	---	---	.70	.55	1.65	1.52	.72	1.64	.88	.74
9	---	---	---	---	.69	.57	1.98	1.44	.77	1.55	1.02	.78
10	---	---	---	---	.72	.55	1.97	1.67	.91	1.46	1.13	.79
11	---	---	---	---	.79	.36	1.97	1.80	1.05	1.42	1.07	.67
12	---	---	---	---	.68	-.05	1.96	1.84	1.07	1.45	1.09	.35
13	---	---	---	---	.65	-.18	1.92	1.79	1.11	1.44	1.07	.21
14	---	---	---	---	.64	.19	1.87	1.61	1.16	1.39	1.12	.29
15	---	---	---	---	.80	.26	2.11	1.51	1.17	1.39	1.09	.65
16	---	---	---	---	.58	.53	2.01	1.45	1.11	1.43	1.07	.57
17	---	---	---	---	.46	.51	1.95	1.38	1.09	1.48	1.07	.43
18	---	---	---	---	.37	.61	1.91	1.36	1.12	1.52	1.04	.35
19	---	---	---	---	.51	.71	1.82	1.50	1.26	1.51	.97	.24
20	---	---	---	---	.67	.68	1.82	1.37	1.28	1.51	.80	.27
21	---	---	---	---	.73	.67	1.81	1.33	1.78	1.45	.90	.36
22	---	---	---	---	.47	.72	1.66	1.21	2.38	1.35	.98	.34
23	---	---	---	---	.49	.71	1.52	1.08	2.68	1.31	.98	.42
24	---	---	---	---	.54	.71	1.42	1.10	2.71	1.23	.99	.48
25	---	---	---	---	.66	.79	1.56	1.39	2.80	1.16	.91	.49
26	---	---	---	.95	.46	.64	1.57	1.47	2.91	1.15	.82	.21
27	---	---	---	.98	.48	.66	1.47	1.36	2.96	1.13	.71	.70
28	---	---	---	1.00	.51	.69	1.41	1.30	2.90	1.13	.93	.77
29	---	---	---	.96	---	.72	1.31	1.34	2.51	1.16	1.01	.66
30	---	---	---	.81	---	.86	1.38	1.39	2.17	1.12	1.04	.52
31	---	---	---	.84	---	.79	---	1.47	---	1.13	1.08	---
MAX	---	---	---	1.00	.87	.86	2.11	1.84	2.96	2.11	1.13	1.07
MIN	---	---	---	.81	.37	-.18	.79	1.08	.72	1.12	.71	.21

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.--Estimated daily discharges. Records good. Several measurements of water temperature were made during the year. Gage-height telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 3	1330	4,000	13.85	Apr. 11	2330	*8,200	*15.15
Mar. 24	0030	6,000	14.58				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	44	429	1500	420	513	1780	241	143	884	48	35
2	50	62	285	1270	341	1820	1460	833	110	696	45	37
3	45	101	196	932	295	3750	1200	1060	95	524	43	39
4	42	147	164	644	268	3280	1210	1090	86	354	43	37
5	40	174	202	511	246	2820	1610	1200	79	194	43	35
6	38	172	233	481	231	2910	1740	1320	74	119	52	35
7	e37	149	193	643	221	3120	1900	1370	70	94	69	35
8	e36	128	160	1360	218	3410	3790	1350	67	81	74	33
9	e35	113	192	1710	230	3280	4920	1050	65	73	59	32
10	e35	97	424	1850	243	2760	5940	622	62	69	49	31
11	e34	84	526	2080	257	1890	7210	555	60	75	44	30
12	e34	76	592	2320	256	1130	7640	441	59	83	43	29
13	e33	69	656	2470	244	912	5880	439	58	85	45	30
14	e33	64	703	2540	243	1100	4700	403	57	122	48	31
15	e32	62	792	2480	237	1350	4480	321	55	137	44	30
16	39	73	1040	2220	234	1560	3330	241	54	301	45	30
17	39	75	1060	1670	221	1960	2450	190	52	343	42	30
18	39	76	1050	1050	207	2650	1880	153	56	217	41	30
19	39	74	1110	754	237	3480	1950	138	59	138	e40	30
20	48	98	1360	1050	283	3900	2250	123	60	101	e39	30
21	46	304	1610	2050	287	4990	1900	116	71	83	e39	30
22	45	661	1640	2120	261	4980	1240	111	95	73	e38	29
23	41	820	1610	2080	228	5120	646	102	166	66	e38	28
24	38	817	1520	2260	200	5380	421	96	240	64	e38	28
25	e36	918	1280	2480	186	4000	326	104	219	59	e37	27
26	e35	973	1120	2600	301	3350	271	116	275	54	e37	29
27	e34	959	1080	2570	430	3000	231	158	353	51	e37	47
28	e34	914	1090	2350	460	2710	201	223	610	49	e36	47
29	e33	782	1170	1770	---	2510	178	233	886	47	e36	38
30	e32	594	1320	1000	---	2340	173	223	964	52	e36	33
31	38	---	1470	590	---	2070	---	192	---	58	37	---
TOTAL	1196	9680	26277	51405	7485	88045	72907	14814	5300	5346	1365	985
MEAN	38.6	323	848	1658	267	2840	2430	478	177	172	44.0	32.8
MAX	56	973	1640	2600	460	5380	7640	1370	964	884	74	47
MIN	32	44	160	481	186	513	173	96	52	47	36	27
AC-FT	2370	19200	52120	102000	14850	174600	144600	29380	10510	10600	2710	1950
CFSM	.08	.65	1.70	3.32	.54	5.69	4.87	.96	.35	.35	.09	.07
IN.	.09	.72	1.96	3.83	.56	6.56	5.44	1.10	.40	.40	.10	.07

e Estimated

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1993, BY WATER YEAR (WY)

MEAN	216	509	1115	1529	1599	1283	1085	1056	412	274	158	176
MAX	2460	3956	6770	4612	4901	3374	3165	10500	3865	4535	1978	1595
(WY)	1986	1958	1983	1947	1966	1973	1952	1953	1989	1989	1955	1958
MIN	16.5	25.2	29.4	58.3	149	103	91.9	45.3	41.1	24.8	20.0	17.0
(WY)	1957	1955	1955	1981	1954	1954	1981	1963	1948	1954	1956	1954

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1981 - 1993	
ANNUAL TOTAL	252631		284805			
ANNUAL MEAN	690		780			
HIGHEST ANNUAL MEAN					781	
LOWEST ANNUAL MEAN					1659	1989
HIGHEST DAILY MEAN	4770	Jan 23	7640	Apr 12	55900	May 19 1953
LOWEST DAILY MEAN	32	Oct 15	27	Sep 25	15	Oct 7 1954
ANNUAL SEVEN-DAY MINIMUM	34	Oct 9	29	Sep 20	16	Oct 3 1954
INSTANTANEOUS PEAK FLOW			8200	Apr 11	59500	May 19 1953
INSTANTANEOUS PEAK STAGE			15.15	Apr 11	21.55	May 19 1953
INSTANTANEOUS LOW FLOW			26	Sep 25	15	Sep 27,28 1954
						Oct 7-9 1954
						Oct 18 1956
						Oct 18 1956
INSTANTANEOUS LOW FLOW STAGE			4.84	Sep 25,26	3.86	
ANNUAL RUNOFF (AC-FT)	501100		564900		565600	
ANNUAL RUNOFF (CFSM)	1.38		1.56		1.56	
ANNUAL RUNOFF (INCHES)	18.83		21.23		21.26	
10 PERCENT EXCEEDS	2290		2390		2090	
50 PERCENT EXCEEDS	173		207		171	
90 PERCENT EXCEEDS	43		36		31	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.46	5.21	9.41	12.27	9.35	9.97	12.56	7.87	6.95	11.08	5.30	4.98
2	5.32	5.59	8.32	11.98	8.77	12.20	12.10	10.95	6.49	10.63	5.22	5.03
3	5.23	6.32	7.46	11.34	8.41	13.74	11.68	11.44	6.23	9.93	5.19	5.09
4	5.16	7.00	7.07	10.49	8.18	13.51	11.69	11.48	6.07	8.89	5.18	5.05
5	5.11	7.33	7.52	9.96	7.99	13.27	12.35	11.68	5.95	7.53	5.17	5.01
6	5.06	7.30	7.86	9.77	7.83	13.32	12.53	11.87	5.84	6.62	5.37	5.01
7	---	7.03	7.43	10.42	7.74	13.44	12.65	11.95	5.76	6.22	5.74	4.99
8	---	6.75	7.02	12.08	7.71	13.58	13.74	11.93	5.70	5.98	5.84	4.96
9	---	6.53	7.36	12.50	7.83	13.52	14.20	11.39	5.65	5.82	5.52	4.94
10	---	6.27	9.37	12.63	7.96	13.23	14.54	10.40	5.60	5.73	5.32	4.92
11	---	6.03	10.04	12.83	8.09	12.62	14.89	10.09	5.55	5.87	5.21	4.90
12	---	5.88	10.30	13.03	8.08	11.55	15.01	9.47	5.52	6.01	5.18	4.89
13	---	5.73	10.54	13.12	7.96	11.14	14.52	9.46	5.50	6.06	5.21	4.89
14	---	5.62	10.70	13.17	7.96	11.51	14.13	9.24	5.48	6.67	5.29	4.92
15	---	5.59	10.98	13.13	7.89	11.92	14.04	8.67	5.44	6.87	5.20	4.92
16	---	5.81	11.58	12.95	7.87	12.28	13.54	8.02	5.41	8.41	5.22	4.90
17	5.09	5.86	11.61	12.44	7.74	12.71	13.05	7.50	5.38	8.82	5.16	4.91
18	5.08	5.87	11.60	11.58	7.59	13.17	12.64	7.08	5.45	7.79	5.14	4.92
19	5.09	5.84	11.71	10.87	7.89	13.62	12.70	6.89	5.51	6.88	---	4.91
20	5.30	6.26	12.09	11.45	8.31	13.81	12.92	6.69	5.55	6.32	---	4.91
21	5.24	8.45	12.39	12.81	8.35	14.22	12.65	6.58	5.79	6.02	---	4.91
22	5.21	10.51	12.42	12.87	8.12	14.23	11.73	6.50	6.22	5.82	---	4.90
23	5.13	11.07	12.39	12.84	7.80	14.27	10.42	6.35	7.23	5.68	---	4.89
24	5.07	11.06	12.30	12.98	7.52	14.36	9.34	6.25	8.02	5.63	---	4.87
25	---	11.33	11.99	13.13	7.36	13.84	8.71	6.38	7.81	5.53	---	4.85
26	---	11.45	11.74	13.21	8.43	13.55	8.28	6.57	8.31	5.41	---	4.92
27	---	11.42	11.65	13.19	9.41	13.37	7.94	7.13	8.89	5.35	---	5.33
28	---	11.32	11.68	13.04	9.63	13.21	7.63	7.86	10.26	5.31	---	5.33
29	---	10.96	11.83	12.55	---	13.09	7.37	7.96	11.09	5.27	---	5.12
30	---	10.30	12.05	11.47	---	12.98	7.32	7.86	11.25	5.36	---	5.01
31	5.07	---	12.24	10.27	---	12.79	---	7.53	---	5.50	5.03	---
MAX	---	11.45	12.42	13.21	9.63	14.36	15.01	11.95	11.25	11.08	---	5.33
MIN	---	5.21	7.02	9.77	7.36	9.97	7.32	6.25	5.38	5.27	---	4.85

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW 1/4 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 present datum.

REMARKS.--Estimated daily discharges. Records fair. Prior to November 1981 paper mill at Elizabeth pumps about 11 ft³/s of water from wells which was discharged into Mill Creek 20 mi upstream from station. Some small diversions from April to September for rice irrigation upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak 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)
No peaks above base discharge.							

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	98	756	991	1360	834	1870	488	295	608	e90	53
2	86	103	703	1030	968	2370	1700	2000	280	637	e85	56
3	79	115	607	1070	687	4270	1530	3080	254	648	e80	52
4	73	113	499	1080	526	5490	2310	3740	237	610	e79	51
5	71	122	439	1050	435	5830	3070	3130	229	522	e78	51
6	68	146	407	1020	382	4690	3300	1740	225	412	e76	51
7	67	173	381	1080	349	3240	3040	1190	219	294	e78	50
8	67	191	379	1660	321	2380	3610	1090	214	214	e80	49
9	67	194	430	1950	299	2130	4830	1080	208	169	e82	47
10	67	186	798	1970	288	2160	6330	1080	202	146	e80	48
11	67	177	960	1850	316	2260	7300	1060	198	144	78	47
12	68	171	875	1900	374	2240	6260	954	194	142	74	46
13	68	167	767	2000	369	2050	6130	819	194	143	69	45
14	69	160	679	1960	344	1590	7260	653	186	129	66	47
15	70	152	696	1900	323	1180	7640	545	181	124	64	47
16	73	145	1040	1840	466	1050	7440	502	183	138	63	47
17	75	142	1300	1770	970	1130	7640	456	180	209	63	46
18	78	142	1290	1720	1020	1300	6280	413	177	271	64	47
19	78	149	1220	1610	671	1500	4040	394	190	282	62	46
20	77	175	1100	1970	452	1720	2590	363	205	235	61	46
21	77	287	1260	2840	378	2010	1880	350	1030	183	60	45
22	79	399	1350	3260	366	2550	1700	325	1340	149	57	47
23	84	511	1400	3380	356	3520	1690	299	846	127	57	50
24	85	630	1410	3030	330	4880	1510	280	787	113	57	50
25	85	814	1400	2380	342	5360	1120	264	904	103	56	50
26	84	846	1400	1870	730	5530	773	254	955	97	54	49
27	84	809	1380	1710	951	4790	560	247	1220	93	57	49
28	85	791	1250	1720	876	3550	446	246	1200	88	57	61
29	86	784	1120	1770	---	2740	379	255	1020	84	55	66
30	88	777	1030	1760	---	2310	353	280	649	e90	54	61
31	91	---	988	1650	---	2050	---	296	---	e95	54	---
TOTAL	2392	9669	29314	56791	15249	88704	104581	27873	14202	7299	2090	1500
MEAN	77.2	322	946	1832	545	2861	3486	899	473	235	67.4	50.0
MAX	96	846	1410	3380	1360	5830	7640	3740	1340	648	90	66
MIN	67	98	379	991	288	834	353	246	177	84	54	45
AC-FT	4740	19180	58140	112600	30250	175900	207400	55290	28170	14480	4150	2980
CFSM	.10	.43	1.26	2.43	.72	3.80	4.63	1.19	.63	.31	.09	.07
IN.	.12	.48	1.45	2.81	.75	4.38	5.17	1.38	.70	.36	.10	.07

e Estimated

CALCASIEU RIVER BASIN
08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1993, BY WATER YEAR (WY)

MEAN	337	703	1558	2074	2242	1940	1695	1638	685	537	350	309
MAX	4004	6825	10130	6112	6889	5213	7835	17090	4325	3574	4792	3251
(WY)	1985	1958	1983	1947	1966	1973	1923	1953	1950	1941	1940	1979
MIN	33.1	46.6	55.8	98.5	270	235	147	80.5	64.3	48.2	46.6	40.6
(WY)	1957	1925	1955	1981	1954	1986	1981	1963	1988	1956	1954	1954

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1923 - 1993		
ANNUAL TOTAL	331891		359664				
ANNUAL MEAN	907		985		1173		
HIGHEST ANNUAL MEAN					2409		
LOWEST ANNUAL MEAN					1983		
HIGHEST DAILY MEAN	7780	Mar7	7640	Apr 15	67600	May 20	1953
LOWEST DAILY MEAN	67	Aug 31	45	Sep 13	29	Oct 18	1956
ANNUAL SEVEN-DAY MINIMUM	67	Oct 6	46	Sep 15	31	Oct 14	1956
INSTANTANEOUS PEAK FLOW			7740	Apr 17	1772800	May 19	1953
INSTANTANEOUS PEAK STAGE			16.06	Apr 17	26.53	May 19	1953
INSTANTANEOUS LOW FLOW			44	Sep 13, 14	30	Oct 17	1956
INSTANTANEOUS LOW PEAK			2.15	Sep 21, 22	1.18	Oct 25	1988
ANNUAL RUNOFF (AC-FT)	658300		713400		849500		
ANNUAL RUNOFF (CFSM)	1.20		1.31		1.56		
ANNUAL RUNOFF (INCHES)	16.40		17.77		21.16		
10 PERCENT EXCEEDS	2830		2450		3050		
50 PERCENT EXCEEDS	357		369		334		
90 PERCENT EXCEEDS	74		57		60		

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.61	2.22	5.28	6.29	7.89	6.03	9.30	4.51	3.59	5.37	---	2.33
2	2.49	2.26	5.02	6.43	6.54	10.37	8.87	9.52	3.50	5.48	---	2.35
3	2.40	2.34	4.61	6.60	5.45	13.61	8.41	11.68	3.35	5.52	---	2.31
4	2.34	2.31	4.12	6.64	4.75	15.04	10.21	12.71	3.24	5.37	---	2.30
5	2.30	2.37	3.84	6.53	4.32	15.31	11.67	11.73	3.19	5.03	---	2.28
6	2.27	2.54	3.68	6.40	4.05	14.19	12.05	8.93	3.17	4.58	---	2.28
7	2.24	2.71	3.55	6.64	3.88	12.10	11.63	7.33	3.14	4.04	---	2.27
8	2.22	2.82	3.54	8.71	3.73	10.49	12.51	6.98	3.11	3.62	---	2.25
9	2.20	2.82	3.78	9.53	3.61	9.96	14.06	6.94	3.07	3.37	---	2.23
10	2.19	2.75	5.45	9.58	3.54	10.03	15.29	6.97	3.03	3.23	---	2.23
11	2.17	2.68	6.16	9.27	3.70	10.24	15.84	6.87	3.00	3.22	2.71	2.21
12	2.17	2.63	5.79	9.41	4.01	10.20	15.25	6.49	2.98	3.21	2.63	2.21
13	2.16	2.58	5.31	9.64	3.98	9.75	15.17	5.98	2.97	3.20	2.57	2.18
14	2.16	2.52	4.92	9.54	3.86	8.57	15.82	5.30	2.92	3.12	2.54	2.21
15	2.15	2.44	5.00	9.40	3.74	7.31	16.01	4.84	2.89	3.09	2.51	2.20
16	2.16	2.38	6.51	9.24	4.45	6.84	15.91	4.64	2.90	3.18	2.51	2.20
17	2.18	2.34	7.53	9.06	6.54	7.13	16.01	4.42	2.88	3.59	2.51	2.19
18	2.20	2.33	7.49	8.90	6.75	7.72	15.23	4.21	2.86	3.92	2.51	2.19
19	2.18	2.36	7.21	8.57	5.38	8.32	13.09	4.12	2.95	3.98	2.48	2.18
20	2.16	2.53	6.73	9.53	4.40	8.92	10.80	3.96	3.04	3.74	2.47	2.18
21	2.15	3.19	7.35	11.46	4.03	9.64	9.33	3.88	6.55	3.45	2.45	2.16
22	2.15	3.79	7.70	12.22	3.97	10.81	8.87	3.75	7.80	3.25	2.41	2.18
23	2.19	4.31	7.90	12.43	3.92	12.50	8.86	3.61	6.08	3.11	2.41	2.22
24	2.19	4.83	7.91	11.80	3.78	14.31	8.33	3.50	5.85	3.01	2.40	2.20
25	2.17	5.63	7.88	10.52	3.83	14.81	7.09	3.41	6.31	2.94	2.39	2.20
26	2.15	5.75	7.89	9.31	5.61	14.95	5.79	3.35	6.49	2.89	2.37	2.19
27	2.13	5.58	7.81	8.90	6.48	14.21	4.90	3.30	7.43	2.84	2.39	2.18
28	2.13	5.48	7.32	8.94	6.20	12.55	4.37	3.30	7.38	2.79	2.39	2.33
29	2.13	5.44	6.81	9.05	---	11.17	4.04	3.36	6.76	2.75	2.36	2.38
30	2.14	5.39	6.45	9.02	---	10.33	3.90	3.50	5.52	---	2.35	2.31
31	2.16	---	6.28	8.74	---	9.75	---	3.59	---	---	2.34	---
MAX	2.61	5.75	7.91	12.43	7.89	15.31	16.01	12.71	7.80	---	---	2.38
MIN	2.13	2.22	3.54	6.29	3.54	6.03	3.90	3.30	2.86	---	---	2.16

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 23	1302	4,470	14.00	Apr. 5	0921	3,890	13.16
Mar. 4	1224	*9,950	*19.02	Apr. 11	0426	6,410	16.17
Mar.26	1843	3,750	12.94	May 2	1442	3,090	11.79

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	e275	362	464	558	848	767	e700	e460	651	e250	245
2	198	e280	336	435	526	3490	1090	2870	e420	509	e245	222
3	195	e390	319	418	500	6840	980	2950	e390	438	230	214
4	192	e410	314	487	481	9440	2220	2690	e360	395	226	211
5	189	e370	332	700	463	7900	3750	2360	e340	365	223	209
6	193	e290	400	887	450	5410	2970	1320	e320	343	222	203
7	199	e280	489	2060	441	2670	2630	800	e300	333	223	199
8	198	e275	414	2620	453	1310	3980	684	e290	320	228	197
9	197	e260	399	2420	450	984	5160	610	e285	303	228	196
10	196	e250	1050	2360	430	854	5740	e550	280	294	219	195
11	196	e240	1310	1890	e400	767	6270	692	274	314	220	194
12	196	e250	1260	1630	434	722	5410	907	271	467	219	193
13	201	e260	882	1370	485	1060	3530	827	272	441	215	192
14	201	e255	548	1070	462	1460	1770	618	269	418	213	192
15	200	e260	459	822	433	1250	2150	e550	265	337	213	192
16	200	e270	897	698	473	904	1920	e470	261	432	210	192
17	200	e240	1410	623	529	995	1890	e420	255	494	207	192
18	201	e220	963	572	486	1490	1420	e380	257	645	206	194
19	202	205	1090	1190	470	1730	1020	e850	258	493	205	196
20	203	346	1780	2710	443	1510	875	1090	283	365	204	196
21	202	814	1420	3800	441	1440	789	630	1340	318	203	196
22	200	1420	1090	4170	e420	2000	728	e560	1960	294	204	195
23	198	1700	914	4390	e410	2470	698	e530	1560	285	203	200
24	197	1500	1110	3500	e400	2920	648	e500	1320	281	204	196
25	197	1470	1200	1930	e420	3200	602	e480	1400	277	203	193
26	196	1080	1000	1200	1010	3640	585	e550	1100	275	203	202
27	195	821	830	900	1510	3210	e550	912	1130	273	205	238
28	195	571	701	774	1240	1770	e510	772	1550	271	209	372
29	195	454	599	690	---	1030	e480	e620	1570	268	289	304
30	196	396	539	631	---	870	e450	e540	1060	265	341	220
31	199	---	499	589	---	784	---	e500	---	256	287	---
TOTAL	6129	15852	24916	48000	15218	74968	61582	28932	20100	11420	6957	6340
MEAN	198	528	804	1548	543	2418	2053	933	670	368	224	211
MAX	203	1700	1780	4390	1510	9440	6270	2950	1960	651	341	372
MIN	189	205	314	418	400	722	450	380	255	256	203	192
AC-FT	12160	31440	49420	95210	30180	148700	122100	57390	39870	22650	13800	12580
CFSM	.39	1.04	1.58	3.04	1.07	4.74	4.02	1.83	1.31	.72	.44	.41
IN.	.45	1.16	1.82	3.50	1.11	5.47	4.49	2.11	1.47	.83	.51	.46

e Estimated

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 199

MEAN	390	677	1123	1237	1323	1186	1056	1154	669	509	427	368
MAX	2877	4075	6076	3781	3326	3272	3630	12090	4192	4063	4264	2314
(WY)	1985	1958	1983	1974	1984	1973	1949	1953	1989	1989	1940	1958
MIN	99.1	135	144	224	290	261	228	189	155	126	124	115
(WY)	1957	1955	1955	1981	1954	1954	1963	1963	1970	1970	1970	1954

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1940 - 1993

ANNUAL TOTAL	293326		320414									
ANNUAL MEAN	801		878							841		
HIGHEST ANNUAL MEAN										1643		1953
LOWEST ANNUAL MEAN										286		1970
HIGHEST DAILY MEAN	8330	Mar 7	9440	Mar 4						108000	May 19	1953
LOWEST DAILY MEAN	189	Oct 5	189	Oct 5						88	Oct 19	1956
ANNUAL SEVEN-DAY MINIMUM	195	Oct 3	192	Sep 11						90	Oct 14	1956
INSTANTANEOUS PEAK FLOW			9950	Mar 4						144000	May 18	1953
INSTANTANEOUS PEAK STAGE			19.02	Mar 4						32.80	May 18	1953
INSTANTANEOUS LOW FLOW			187	Oct 5, 6						88	Oct 19	1956
INSTANTANEOUS LOW STAGE			2.66	Sep 26						2.41	Sep 9,10, 11,	1982
ANNUAL RUNOFF (AC-FT)	581800		635500	609500								
ANNUAL RUNOFF (CFSM)	1.57		1.72	1.65								
ANNUAL RUNOFF (INCHES)	21.40		23.37	22.41								
10 PERCENT EXCEEDS	1790		1980	1890								
50 PERCENT EXCEEDS	405		450	378								
90 PERCENT EXCEEDS	212		199	165								

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	---	3.64	4.09	4.47	5.51	---	5.09	---	4.81	---	3.05
2	2.79	---	3.52	3.96	4.34	12.11	6.33	11.17	---	4.27	---	2.90
3	2.77	---	3.44	3.89	4.24	16.59	5.97	11.47	---	3.97	2.96	2.85
4	2.75	---	3.41	4.18	4.16	18.76	9.34	10.69	---	3.79	2.93	2.82
5	2.74	---	3.50	4.99	4.08	17.59	12.94	9.60	---	3.66	2.91	2.81
6	2.78	---	3.81	5.65	4.03	15.07	11.47	6.83	---	3.55	2.90	2.76
7	2.82	---	4.19	9.18	3.99	10.56	10.57	5.35	---	3.51	2.91	2.74
8	2.81	---	3.87	10.70	4.04	6.97	13.20	4.93	---	3.44	2.95	2.72
9	2.80	---	3.80	10.20	4.02	5.98	14.82	4.66	---	3.36	2.94	2.71
10	2.80	---	6.16	10.04	3.94	5.54	15.46	---	3.24	3.31	2.88	2.71
11	2.80	---	7.04	8.76	---	5.23	16.03	4.96	3.21	3.41	2.89	2.70
12	2.80	---	6.87	8.01	3.96	5.06	15.09	5.72	3.19	4.10	2.88	2.69
13	2.83	---	5.63	7.22	4.17	6.21	12.40	5.44	3.20	3.99	2.85	2.68
14	2.84	---	4.43	6.27	4.08	7.41	8.11	4.69	3.18	3.89	2.83	2.68
15	2.83	---	4.06	5.43	3.95	6.81	9.00	---	3.16	3.53	2.83	2.68
16	2.83	---	5.64	4.98	4.12	5.71	8.48	---	3.14	3.95	2.81	2.68
17	2.83	---	7.35	4.71	4.35	6.01	8.39	---	3.11	4.21	2.80	2.68
18	2.84	---	5.90	4.52	4.18	7.48	7.24	---	3.12	4.79	2.79	2.70
19	2.84	2.87	6.29	6.56	4.11	8.15	6.10	---	3.12	4.20	2.78	2.71
20	2.85	3.56	8.45	10.86	4.00	7.54	5.61	6.28	3.25	3.66	2.77	2.71
21	2.85	5.40	7.38	13.01	3.99	7.35	5.31	4.74	6.65	3.43	2.76	2.71
22	2.83	7.33	6.33	13.57	---	8.84	5.09	---	8.31	3.31	2.77	2.70
23	2.81	8.21	5.75	13.88	---	10.17	4.98	---	7.41	3.27	2.76	2.74
24	2.81	7.63	6.41	12.44	---	11.41	4.80	---	6.86	3.25	2.77	2.71
25	2.81	7.53	6.70	8.84	---	12.01	4.63	---	7.05	3.23	2.76	2.68
26	2.80	6.29	6.05	6.68	6.03	12.77	4.57	---	6.35	3.21	2.76	2.75
27	2.79	5.42	5.46	5.70	7.63	11.91	---	5.74	6.42	3.20	2.78	3.01
28	2.79	4.51	4.99	5.26	6.80	8.18	---	5.25	7.35	3.20	2.80	3.68
29	2.79	4.04	4.62	4.95	---	6.15	---	---	7.38	3.18	3.25	3.37
30	2.80	3.80	4.39	4.74	---	5.60	---	---	6.14	3.16	3.54	2.98
31	2.82	---	4.23	4.59	---	5.29	---	---	---	3.11	3.27	---
MAX	2.85	---	8.45	13.88	---	18.76	---	---	---	4.81	---	3.68
MIN	2.74	---	3.41	3.89	---	5.06	---	---	---	3.11	---	2.68

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'10", long 92°54'55", in NW 1/4 SE 1/4 sec.30, T.6 S., R.5 W., Allen Parish, Hydrologic Unit 08080203, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi downstream from Whisky 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 1961 to current year. October 1957 to September 1961 (annual maximums) from National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft above sea level. August 1922 to January 1925, water-stage recorder 400 ft downstream at datum 1.77 ft higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges. Records fair. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e440	640	1510	1860	2680	3210	3440	1900	1040	2770	563	484
2	e425	673	1410	1800	2210	6520	3220	6340	936	2190	514	437
3	e410	841	1270	1770	1640	12500	3220	10400	840	1860	485	393
4	e390	923	1130	1770	1310	17600	5360	10500	762	1650	461	362
5	374	790	1100	1860	1140	20300	8660	8650	699	1470	439	349
6	359	696	1180	2110	1030	19200	11000	6430	647	1280	423	337
7	360	678	1180	2750	963	15000	10300	3920	609	1090	413	325
8	355	640	1100	4660	902	8540	12100	2980	569	924	451	318
9	354	599	1180	6150	875	4910	15500	2440	533	795	486	315
10	348	567	2600	6610	853	4150	16700	2290	511	716	489	309
11	353	544	3430	6380	927	3690	17100	2270	498	684	449	303
12	365	574	3180	6300	985	3590	18400	2400	489	791	429	297
13	375	576	2740	5910	1000	3730	17100	2410	497	948	407	297
14	405	568	2040	5110	987	3900	14100	2110	494	949	390	300
15	403	573	1740	4320	908	3600	12100	1720	471	878	377	303
16	406	584	2620	3700	1080	3260	12200	1480	448	910	500	396
17	403	526	3760	3300	1620	3100	10500	1330	421	1310	359	682
18	405	483	4040	3050	1930	3220	9470	1190	413	1470	356	711
19	468	465	3910	2880	1650	3600	8010	1670	433	1500	352	747
20	453	750	3320	4200	1230	3900	5680	2910	638	1240	340	724
21	411	1520	3360	6930	1010	3940	4140	2770	9140	996	362	714
22	387	2220	4090	8680	915	4420	3370	2140	14800	840	362	698
23	375	2990	3940	9890	857	6050	2940	1550	8450	734	362	886
24	366	3250	3430	10200	803	7900	2810	1210	5070	658	371	667
25	359	3340	3190	9630	985	9350	2490	1160	5060	605	368	648
26	351	3330	3270	6640	2430	10600	2020	1360	4570	563	365	636
27	343	2720	3350	4360	3350	11100	1660	1730	4390	530	359	705
28	343	2170	3130	3650	3400	10000	1420	1830	4760	504	368	734
29	350	1810	2690	3250	---	6130	1290	1580	4700	493	446	840
30	371	1630	2280	3070	---	4580	1220	1290	3610	571	513	750
31	451	---	2010	2920	---	3990	---	1170	---	591	544	---
TOTAL	11958	37670	79180	145710	39670	225580	237520	93130	76498	32510	13103	15667
MEAN	386	1256	2554	4700	1417	7277	7917	3004	2550	1049	423	522
MAX	468	3340	4090	10200	3400	20300	18400	10500	14800	2770	563	886
MIN	343	465	1100	1770	803	3100	1220	1160	413	493	340	297
AC-FT	23720	74720	157100	289000	78690	447400	471100	184700	151700	64480	25990	31080

e Estimated

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1993, BY WATER YEAR (WY)

MEAN	969	1648	3750	4364	4560	4023	3649	3798	1975	1518	1081	857
MAX	9258	9475	20030	12670	11760	10820	14730	36390	9601	20130	12370	7285
(WY)	1985	1986	1983	1974	1950	1973	1923	1953	1950	1989	1940	1979
MIN	235	298	308	300	819	720	472	378	289	265	214	241
(WY)	1957	1955	1955	1981	1954	1954	1981	1963	1948	1956	1956	1954

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1923 - 1993

ANNUAL TOTAL	855428	1008196		
ANNUAL MEAN	2337	2762	2681	
HIGHEST ANNUAL MEAN			4979	1983
LOWEST ANNUAL MEAN			788	1970
HIGHEST DAILY MEAN	16700	Mar 9	20300	Mar 5166000
LOWEST DAILY MEAN	321	Aug 28	297	Sep 12140
ANNUAL SEVEN-DAY MINIMUM	334	Aug 26	303	Sep 9164
INSTANTANEOUS PEAK FLOW			20900	Mar 5182000
INSTANTANEOUS PEAK STAGE			17.91	Mar 532.00
INSTANTANEOUS LOW FLOW			227	Sep 14136
INSTANTANEOUS LOW STAGE			1.65	Sep 141.42
ANNUAL RUNOFF (AC-FT)	1697000		2000000	1942000
10 PERCENT EXCEEDS	6040		7320	6240
50 PERCENT EXCEEDS	1180		1240	1040
90 PERCENT EXCEEDS	383		370	329

* Boyer method used: Jan 20-21, 26-27, Mar. 2-3 8-9, 23-24, 29-30, Apr. 4-5, 20-21, May 2-3, 6, 7, June 21, 23-24, June 30 to July 1.

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.91	5.42	6.77	8.69	9.55	9.96	6.47	4.39	8.87	2.74	2.35
2	---	3.04	5.15	6.63	7.84	12.64	9.55	12.51	4.10	7.38	2.59	2.20
3	---	3.62	4.78	6.58	6.66	15.77	9.57	15.11	3.84	6.54	2.49	2.05
4	---	3.90	4.40	6.60	5.81	17.30	11.74	15.30	3.62	6.01	2.41	1.95
5	1.95	3.45	4.32	6.83	5.31	17.80	14.41	14.76	3.44	5.54	2.34	1.90
6	1.90	3.12	4.58	7.40	5.01	17.60	15.43	13.91	3.28	5.01	2.28	1.86
7	1.90	3.06	4.58	8.67	4.80	16.75	15.26	11.54	3.16	4.47	2.25	1.81
8	1.89	2.92	4.38	11.72	4.62	15.12	15.70	9.09	3.04	3.97	2.36	1.79
9	1.89	2.76	4.61	13.36	4.54	12.68	16.47	7.96	2.93	3.60	2.46	1.77
10	1.87	2.65	8.20	13.76	4.48	11.06	16.72	7.61	2.86	3.35	2.47	1.75
11	1.88	2.57	9.95	13.56	4.69	10.38	16.79	7.57	2.82	3.26	2.34	1.72
12	1.92	2.68	9.49	13.49	4.86	10.22	17.04	7.87	2.79	3.58	2.27	1.70
13	1.96	2.68	8.59	13.14	4.91	10.44	16.80	7.91	2.82	4.05	2.20	1.69
14	2.07	2.65	6.97	12.30	4.87	10.70	16.15	7.18	2.81	4.05	2.14	1.69
15	2.06	2.67	6.21	11.29	4.64	10.23	15.71	6.18	2.74	3.84	2.09	1.70
16	2.07	2.71	8.29	10.40	5.15	9.64	15.75	5.54	2.66	3.93	2.48	1.99
17	2.05	2.50	10.48	9.72	6.60	9.32	15.30	5.13	2.58	5.08	2.03	2.90
18	2.06	2.35	10.90	9.28	7.29	9.57	15.02	4.75	2.56	5.52	2.01	2.98
19	2.29	2.28	10.71	8.99	6.68	10.23	14.50	6.02	2.62	5.61	2.00	3.10
20	2.24	3.30	9.74	10.38	5.58	10.70	13.32	8.94	3.24	4.87	1.95	3.01
21	2.09	5.65	9.80	13.46	4.92	10.75	11.57	8.65	12.41	4.11	2.02	2.98
22	2.00	7.43	10.99	14.96	4.66	11.44	9.83	7.24	16.32	3.63	2.01	2.92
23	1.95	9.10	10.76	15.45	4.49	12.90	9.01	5.73	14.91	3.30	2.01	2.88
24	1.92	9.63	9.95	15.54	4.33	14.30	8.74	4.85	12.66	3.05	2.03	2.81
25	1.90	9.78	9.50	15.35	4.85	15.10	8.06	4.72	12.25	2.87	2.02	2.75
26	1.87	9.77	9.65	14.18	8.22	15.49	6.95	5.24	11.63	2.74	2.00	2.70
27	1.85	8.47	9.81	11.97	9.81	15.63	6.02	6.21	11.40	2.64	1.98	2.92
28	1.85	7.15	9.39	10.32	9.91	15.31	5.38	6.46	11.89	2.55	2.00	3.00
29	1.87	6.21	8.56	9.61	---	13.79	5.03	5.81	11.81	2.52	2.25	3.38
30	1.94	5.73	7.72	9.32	---	12.08	4.84	5.06	10.64	2.77	2.45	3.05
31	2.23	---	7.11	9.08	---	10.83	---	4.74	---	2.83	2.55	---
MAX	---	9.78	10.99	15.54	9.91	17.80	17.04	15.30	16.32	8.87	2.74	3.38
MIN	---	2.28	4.32	6.58	4.33	9.32	4.84	4.72	2.56	2.52	1.95	1.69

CALCASIEU RIVER BASIN
08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1966-69, 1973-75, 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1979 to September 1982.

WATER TEMPERATURES: June 1979 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 139 micromhos June 24, 1979; minimum daily, 13 micromhos Sept. 21, 1979.

WATER TEMPERATURES: Maximum daily, 34.0 °C Aug. 26, 1981; minimum daily, 6.0 °C Jan. 12, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A specific conductance of 187 micromhos was observed July 16, 1969. A water temperature of 5.0 °C was observed Jan. 17, 1984.

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

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	
OCT 1992													
08...	1230	355	58	6.77	21.0	20	4.4	8.9	1.2	84	180	12	
MAR 1993													
19...	1340	3600	36	6.42	15.0	40	41	10.7	2.6	<2	220	8	
APR													
13...	1530	17100	23	5.94	22.0	70	22	8.5	2.3	K5	K110	6	
SEP													
15...	0850	303	63	7.00	--	15	5.9	8.2	1.0	K70	200	12	
DATE		CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT 1992													
08...	3.0	1.1	6.4	1.4	18	1.9	6.0	<0.1	26	61	57	<0.01	
MAR 1993													
19...	2.0	0.68	3.2	1.0	7	3.4	4.1	<0.1	8.8	44	27	--	
APR													
13...	1.5	0.48	1.7	0.90	--	2.1	2.0	<0.1	<0.01	37	11	--	
SEP													
15...	3.0	1.1	7.3	0.90	20	1.7	6.1	0.1	28	65	59	--	
DATE		NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 1992													
08...	<0.01	0.05	<0.05	0.02	<0.01	0.3	0.06	0.03	0.02	40	27	<3	
MAR 1993													
19...	<0.01	--	<0.05	--	0.03	0.4	0.05	0.01	0.01	220	28	<3	
APR													
13...	<0.01	--	<0.05	--	0.03	0.5	<0.01	<0.01	<0.01	320	--	<3	
SEP													
15...	<0.01	--	0.07	--	0.03	<0.2	0.05	0.03	0.02	30	27	<3	
DATE		IRON, DIS-SOLVED (UG/L AS Fe)	LITHIUM DIS-SOLVED (UG/L AS Li)	MANGA-NESE, DIS-SOLVED (UG/L AS Mn)	MOLYB-DENUM, DIS-SOLVED (UG/L AS Mo)	NICKEL, DIS-SOLVED (UG/L AS Ni)	SELE-NIUM, DIS-SOLVED (UG/L AS Se)	SILVER, DIS-SOLVED (UG/L AS Ag)	STRON-TIUM, DIS-SOLVED (UG/L AS Sr)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1992													
08...	300	<4	24	<10	<1	<1	<1	28	<6	--	--	--	
MAR 1993													
19...	220	<4	41	<10	1	<1	<1	14	<6	37	360	98	
APR													
13...	--	--	--	<10	2	<1	<1	--	<6	9	416	100	
SEP													
15...	270	<4	31	<10	4	<1	<1	29	<6	26	21	96	

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

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

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA.

LOCATION.--Lat 30°01'55", long 93°17'58", Calcasieu Parish, Hydrologic Unit 08080260, on pipeline structure in Calcasieu Lake, 2.9 mi north-east of Hackberry.

DRAINAGE AREA.--Indeterminate.

WATER DISCHARGE RECORDS.--Period of record July 1992 to current.

GAGE.--Water stage recorder. Datum of gage is sea level by Global Positioning System.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.18 ft Nov. 30, 1992; Minimum elevation, -1.63 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT PERIOD.--July to September 1992; maximum elevation during period, 2.13 ft, Sept. 21; minimum elevation, -0.69 ft, Aug. 26.

Water year 1993: Maximum elevation, 4.18 ft, Nov. 30; minimum elevation, -1.63 ft, Mar. 13.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.60	1.20
2	---	---	---	---	---	---	---	---	---	---	.65	1.35
3	---	---	---	---	---	---	---	---	---	---	.67	1.17
4	---	---	---	---	---	---	---	---	---	---	.64	.94
5	---	---	---	---	---	---	---	---	---	---	.73	1.02
6	---	---	---	---	---	---	---	---	---	---	.77	1.12
7	---	---	---	---	---	---	---	---	---	---	.89	1.31
8	---	---	---	---	---	---	---	---	---	---	1.00	1.38
9	---	---	---	---	---	---	---	---	---	---	1.00	1.45
10	---	---	---	---	---	---	---	---	---	1.00	1.04	1.26
11	---	---	---	---	---	---	---	---	---	1.07	.96	.92
12	---	---	---	---	---	---	---	---	---	1.06	.96	.80
13	---	---	---	---	---	---	---	---	---	1.21	.97	1.04
14	---	---	---	---	---	---	---	---	---	1.31	.85	1.42
15	---	---	---	---	---	---	---	---	---	1.26	.64	1.66
16	---	---	---	---	---	---	---	---	---	1.23	.62	1.64
17	---	---	---	---	---	---	---	---	---	1.15	.52	1.51
18	---	---	---	---	---	---	---	---	---	.88	.57	1.51
19	---	---	---	---	---	---	---	---	---	.94	.50	1.35
20	---	---	---	---	---	---	---	---	---	.84	.49	1.45
21	---	---	---	---	---	---	---	---	---	.93	.59	1.70
22	---	---	---	---	---	---	---	---	---	1.15	.86	1.07
23	---	---	---	---	---	---	---	---	---	1.18	1.21	.46
24	---	---	---	---	---	---	---	---	---	1.26	1.09	.63
25	---	---	---	---	---	---	---	---	---	1.24	1.10	.90
26	---	---	---	---	---	---	---	---	---	1.25	-.17	.98
27	---	---	---	---	---	---	---	---	---	1.33	.68	.96
28	---	---	---	---	---	---	---	---	---	.93	.61	.82
29	---	---	---	---	---	---	---	---	---	.85	.84	.40
30	---	---	---	---	---	---	---	---	---	.96	1.05	.40
31	---	---	---	---	---	---	---	---	---	.77	1.08	---
MAX	---	---	---	---	---	---	---	---	---	1.33	1.21	1.70
MIN	---	---	---	---	---	---	---	---	---	.77	-.17	.40

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA.--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	1.09	-.21	-.57	-.54	.26	-.91	.85	.32	1.49	.47	.54
2	1.30	.59	-.41	-.32	-.52	.32	-.98	.68	.84	1.41	.66	.81
3	1.66	1.01	.04	.12	-.04	.12	-.35	.53	.92	1.31	.72	.69
4	1.52	-.52	.23	.21	.15	-.28	-.23	.51	.94	1.67	.63	.35
5	1.03	-.67	-.60	-.37	.17	-.70	-.68	.88	.81	1.76	.71	.54
6	.58	-.30	.19	-.23	-.37	-.61	-.21	.87	.92	1.57	.78	.71
7	.93	-.08	-.07	.04	-.71	-.52	.51	.86	1.25	1.47	.53	.68
8	.65	.44	-.28	.17	-.62	-.43	.69	1.20	1.53	1.15	.49	.81
9	.57	.60	.54	.23	-.31	-.21	-.13	1.43	1.43	1.20	.56	.88
10	.83	.72	-.27	-.01	-.07	-.20	.04	.84	1.04	1.16	.44	.55
11	.17	.78	-.52	-.14	.22	-.50	.37	.27	.81	1.11	.70	.65
12	.44	.32	-.10	.08	-.50	---	.32	.36	.68	1.05	.89	1.06
13	.59	-.44	.36	-.47	-.53	---	.43	-.33	.71	1.21	.90	1.70
14	.86	.14	.55	-.27	-.35	---	1.07	-.21	.59	1.07	.86	1.87
15	.93	.07	.99	.09	.26	-.69	.00	.27	.57	.92	.73	.50
16	.82	-.08	.12	-.02	-.24	.34	-.28	.53	1.15	.87	.55	.39
17	.50	.47	-.19	-.05	-.70	-1.04	-.07	.58	1.49	.78	.43	.46
18	.26	.69	.12	.06	-.73	-.38	.17	.87	1.51	.76	.55	.86
19	.42	1.02	.60	-.24	-.22	-.03	.52	.32	1.98	.67	.76	1.19
20	.95	1.16	.10	.09	-.04	-.11	.29	.44	2.39	.62	.74	1.21
21	.83	1.14	-.17	.03	.10	-.39	-.49	.63	1.82	.51	.58	1.23
22	1.05	.55	.05	-.07	-.46	-.22	-.29	.95	1.61	.51	.46	1.24
23	.87	.31	.07	.13	-.05	-.35	.36	1.40	1.49	.42	.55	1.21
24	.70	.78	-.65	-.41	.26	-.34	.65	1.54	1.54	.40	.53	1.09
25	.71	.06	.22	-.10	.54	-.19	.36	.73	1.42	.32	.41	1.28
26	.59	-.49	-.45	-.43	-.40	-.46	-.12	.42	1.18	.26	.73	1.08
27	.78	-.58	.08	-.22	-.28	-.28	.25	.77	1.17	.58	.89	.17
28	.57	-.36	-.10	-.14	.03	-.13	.51	.90	1.31	.63	.68	.32
29	.79	-.32	.06	-.40	---	-.06	.71	.91	1.45	.45	.72	.58
30	.73	-.25	-.06	-.50	---	.25	.56	.93	1.56	.36	.70	.84
31	.94	---	-.22	-.39	---	-.19	---	.69	---	.33	.71	---
MAX	1.66	1.16	.99	.23	.54	.34	1.07	1.54	2.39	1.76	.90	1.87
MIN	.17	-.67	-.65	-.57	-.73	-1.04	-.98	-.33	.32	.26	.41	.17

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- July 1992 to current.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 1992 to current.

SPECIFIC CONDUCTANCE: July 1992 to current.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: maximum daily, 32.3°C, Aug. 15, 1993; minimum daily, 11.2°C, Mar. 14, 1993.

SPECIFIC CONDUCTANCE: maximum daily, 35,700 microsiemens, Sept. 1, 1993; minimum daily, 554 microsiemens, June 26, 1993.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

[illegible]

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26000	28300	17400	11900	8360	12100	3550	5380	12900	2140	24500	35700
2	27700	25900	19200	12900	8700	11300	5420	4930	12800	2270	23600	34400
3	29200	26500	18500	14200	11200	10100	5960	4660	13100	2180	22600	34000
4	30900	23000	19700	14000	12900	4580	10400	4000	14600	2320	20500	31900
5	30800	21100	21200	16100	15300	2770	7230	3460	15400	2320	20600	31700
6	30600	19900	22700	16100	15100	2280	5570	3100	14400	3090	17700	33700
7	30300	20400	25200	15300	14400	1940	5980	3400	14700	6410	17600	33900
8	28500	21100	24000	15200	13500	1520	6630	4850	15800	7140	20000	35200
9	27500	21700	22400	11100	13100	1440	2840	7800	19200	6090	21800	35300
10	28200	22600	21300	9380	14200	1180	1460	10600	21200	4160	23200	34600
11	30000	26200	20500	8470	15000	1390	1070	7400	20400	3970	23000	33500
12	28300	25100	18600	7720	14900	5990	2330	2850	18700	4530	24200	33800
13	28900	24400	18200	5460	14600	4440	1690	2030	17600	4080	24200	34100
14	29200	25300	18400	5520	13700	5700	3590	2200	18100	4320	26200	31900
15	30100	24300	19300	8020	13800	6110	725	2900	18800	5320	27400	31800
16	30200	23400	19100	9600	15300	6060	625	2440	16700	8010	27700	30700
17	29900	24300	25600	8900	15500	8230	663	3620	13900	9680	26900	29800
18	30200	23700	22800	7670	16800	9890	938	4160	14100	9690	26200	30500
19	29500	25400	15000	7370	16900	9780	783	7980	14100	9860	26000	31600
20	29500	24800	15400	8080	17700	10400	900	10600	13400	9870	25700	31700
21	30800	25200	14900	7550	17300	10500	1450	13800	13300	9180	24800	31800
22	30200	24400	14400	6500	16000	9610	2360	14900	8860	9220	24000	32600
23	28900	21100	13900	6050	15000	8960	1870	13600	5540	8910	22900	32700
24	29400	21000	11900	5750	15000	7800	1520	11500	2920	7900	23100	33100
25	29200	19500	14300	7190	15400	6570	2120	15000	3780	7790	25000	33200
26	29700	16000	14300	6740	13500	5150	2340	14100	554	9150	29500	32400
27	29700	16500	15600	5310	11100	5850	5320	14700	748	11400	33000	27000
28	29200	17900	15500	5940	12400	4960	5580	15100	567	13900	34900	26300
29	29100	18300	14900	4720	---	4590	6180	15400	716	17700	35100	26900
30	29900	16700	14500	6360	---	4690	5620	15500	1750	19900	33400	26900
31	30700	---	12800	7790	---	3850	---	14700	---	23600	34600	---
MEAN	29400	22500	18100	9130	14200	6120	3420	8280	12000	7940	25500	32100
MAX	30900	28300	25600	16100	17700	12100	10400	15500	21200	23600	35100	35700
MIN	26000	16000	11900	4720	8360	1180	625	2030	554	2140	17600	26300

CALCASIEU RIVER BASIN

08017115 SOUTH CALCASIEU LAKE NEAR CAMERON LA.

LOCATION.--Lat 29°49'42", Long 93°19'59", T. 14 S., R. 9 W., Cameron Parish, Hydrologic Unit 08080206, on private dock 2.0 mi northeast of Cameron.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

GAGE.--Water stage recorder. Datum of gage is sea level determined by Global Positioning System.

REMARKS.--Elevation affected by wind and tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.79 ft, Oct. 2, 1992; minimum elevation, -1.81 ft, Aug. 21, 1993.

EXTREMES FOR CURRENT PERIOD.--July to September 1992: maximum elevation, 3.68 ft, Sept. 30; minimum elevation, 0.40 ft, July 28.

Water year 1993: Maximum elevation, 3.79 ft, Oct. 2; minimum elevation, -1.81 ft, Aug. 21.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	1.57	2.41
2	---	---	---	---	---	---	---	---	---	---	2.21	2.34
3	---	---	---	---	---	---	---	---	---	---	2.23	2.43
4	---	---	---	---	---	---	---	---	---	---	2.24	2.51
5	---	---	---	---	---	---	---	---	---	---	2.21	2.50
6	---	---	---	---	---	---	---	---	---	---	2.08	2.58
7	---	---	---	---	---	---	---	---	---	---	2.10	2.66
8	---	---	---	---	---	---	---	---	---	---	2.13	2.72
9	---	---	---	---	---	---	---	---	---	---	2.21	2.74
10	---	---	---	---	---	---	---	---	---	1.25	2.15	2.72
11	---	---	---	---	---	---	---	---	---	1.32	2.15	2.59
12	---	---	---	---	---	---	---	---	---	1.23	2.32	2.61
13	---	---	---	---	---	---	---	---	---	1.41	2.14	2.56
14	---	---	---	---	---	---	---	---	---	1.53	1.96	2.85
15	---	---	---	---	---	---	---	---	---	1.72	1.97	3.10
16	---	---	---	---	---	---	---	---	---	1.87	2.12	3.01
17	---	---	---	---	---	---	---	---	---	1.74	2.11	2.71
18	---	---	---	---	---	---	---	---	---	1.62	1.99	2.67
19	---	---	---	---	---	---	---	---	---	1.75	1.83	2.56
20	---	---	---	---	---	---	---	---	---	1.70	1.85	2.50
21	---	---	---	---	---	---	---	---	---	1.76	1.95	2.66
22	---	---	---	---	---	---	---	---	---	1.95	2.05	2.42
23	---	---	---	---	---	---	---	---	---	1.98	2.20	2.38
24	---	---	---	---	---	---	---	---	---	2.01	2.35	2.62
25	---	---	---	---	---	---	---	---	---	1.99	2.46	2.69
26	---	---	---	---	---	---	---	---	---	1.94	1.18	2.75
27	---	---	---	---	---	---	---	---	---	1.85	1.83	2.80
28	---	---	---	---	---	---	---	---	---	1.39	2.11	2.89
29	---	---	---	---	---	---	---	---	---	1.38	2.45	2.77
30	---	---	---	---	---	---	---	---	---	1.49	2.51	2.83
31	---	---	---	---	---	---	---	---	---	1.45	2.42	---
MAX	---	---	---	---	---	---	---	---	---	2.01	2.51	3.10
MIN	---	---	---	---	---	---	---	---	---	1.23	1.18	2.34

CALCASIEU RIVER BASIN

08017115 SOUTH CALCASIEU LAKE NEAR CAMERON LA.--Continued

ELEVATION (IN FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.95	2.73	.35	.81	.76	1.53	-.20	.83	.89	.98	1.18	2.35
2	3.16	2.34	.20	1.04	.90	1.52	-.14	.91	.92	.63	1.25	2.55
3	2.89	2.67	.71	1.22	1.26	1.36	.64	1.06	.77	.61	1.12	2.44
4	2.85	2.17	.60	1.26	1.49	.77	.65	.99	.78	.75	.95	2.40
5	2.57	1.95	.35	.95	1.49	.43	.26	1.09	.78	.84	.97	2.79
6	2.04	2.11	.94	.98	.95	.50	.73	.99	.72	.79	.98	2.83
7	2.35	2.04	.54	1.17	.68	.46	1.24	.97	.92	.84	.84	2.90
8	2.49	1.94	.64	1.13	.58	.31	1.40	1.18	1.37	.88	.66	2.91
9	2.57	1.81	.86	1.33	.88	.31	.61	1.28	1.57	.93	.82	2.86
10	2.00	1.47	.15	1.28	1.13	.34	.75	1.21	1.39	.89	.72	2.53
11	2.30	1.78	.44	1.14	1.34	.54	.85	.99	1.25	.98	.70	2.82
12	2.52	1.06	.80	1.17	.82	.61	.43	1.00	1.20	1.01	.80	3.00
13	2.41	.94	.98	.92	.78	-.43	.24	.72	1.17	1.05	.77	3.03
14	2.43	1.38	1.08	1.23	.90	.44	.69	.95	1.19	.89	.60	1.91
15	2.39	1.16	1.32	1.53	1.34	1.12	.67	1.00	1.07	.61	.43	1.13
16	2.44	1.07	1.06	1.30	1.15	1.78	.65	1.08	1.74	.61	.25	1.57
17	2.50	1.19	.81	1.19	1.15	.72	.52	1.10	2.22	.64	.20	1.78
18	2.36	1.06	1.18	1.23	1.28	1.17	.35	1.14	2.24	.67	.51	1.89
19	2.74	1.23	1.44	1.09	1.31	1.27	.40	1.09	2.75	.48	.71	1.93
20	2.90	1.45	1.03	1.36	.87	.95	.51	1.22	2.74	.52	.57	1.66
21	2.77	1.40	.79	1.22	1.15	.57	.76	1.34	2.36	.36	.43	1.53
22	2.62	.55	.87	1.12	.94	.57	.70	1.69	2.40	.80	.35	1.50
23	2.64	.75	.92	1.24	1.22	.40	.81	1.70	2.44	1.08	.38	.93
24	2.05	1.08	.79	1.24	1.56	.39	.69	1.20	2.39	.99	.39	.86
25	2.02	.42	1.26	1.75	1.81	.55	.52	.85	2.33	.94	.18	.84
26	2.06	.53	.83	1.12	1.06	.35	.75	.81	2.31	.93	1.72	.31
27	1.82	.89	1.09	1.18	1.19	.36	1.09	1.14	2.27	1.09	2.46	.76
28	1.84	.69	.94	1.20	1.42	.41	1.02	1.20	2.14	1.06	2.47	1.41
29	1.99	.61	1.07	1.13	---	.52	.86	1.12	1.59	1.05	2.54	.79
30	2.33	.28	.93	1.14	---	.56	.66	.94	.90	.93	2.55	.74
31	2.31	---	.85	1.09	---	.20	---	.80	---	.94	2.44	---
MAX	3.16	2.73	1.44	1.75	1.81	1.78	1.40	1.70	2.75	1.09	2.55	3.03
MIN	1.82	.28	.15	.81	.58	-.43	-.20	.72	.72	.36	.18	.31

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE: July 1992 to current.

SPECIFIC CONDUCTANCE: maximum daily, 40,800 microsiemens, Aug. 8, 1992; minimum daily, 4,100 microsiemens, Apr. 21, 1993.

[illegible]

CALCASIEU RIVER BASIN

08017115 SOUTH CALCASIEU LAKE NEAR CAMERON LA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.4	23.9	12.5	16.4	12.1	13.5	19.7	22.7	26.6	29.8	31.6	30.4
2	22.4	22.3	12.5	14.8	13.2	14.4	18.3	22.1	26.0	29.8	31.2	30.2
3	22.7	22.8	12.9	15.6	13.6	14.7	17.9	22.0	26.4	29.9	31.2	30.1
4	23.1	18.0	14.4	16.7	14.0	14.5	17.6	22.7	26.7	29.6	31.3	29.6
5	23.3	14.4	13.7	15.3	13.6	14.2	16.9	23.4	27.3	29.2	31.1	29.2
6	23.8	14.6	12.5	14.4	12.6	14.2	16.7	24.3	27.9	29.7	31.0	29.4
7	24.1	14.6	12.2	14.0	12.6	15.1	17.2	24.7	28.4	29.9	30.8	29.8
8	23.0	14.7	11.5	13.7	13.3	16.0	17.8	24.8	28.2	30.2	30.9	30.3
9	22.0	15.3	12.4	13.9	14.3	17.0	17.5	25.1	28.3	30.1	30.7	30.4
10	22.7	16.0	12.5	13.7	14.5	17.9	18.4	24.8	28.4	29.3	31.3	30.6
11	22.5	16.6	12.4	12.6	15.4	17.8	19.7	24.5	28.6	29.3	31.9	30.3
12	22.3	17.0	12.9	12.6	14.5	13.2	20.6	24.2	28.9	29.8	32.1	29.6
13	22.7	15.3	13.6	12.5	14.5	8.7	20.8	23.7	29.5	30.5	32.3	29.1
14	23.3	15.4	14.7	12.1	14.8	11.5	20.9	24.5	30.3	30.3	32.4	28.5
15	24.0	15.6	15.1	11.2	15.3	12.3	18.8	24.9	30.9	29.5	31.9	25.0
16	23.3	15.8	14.1	10.8	15.7	13.8	18.2	25.4	30.5	29.1	31.3	24.5
17	22.4	16.7	13.4	12.0	13.8	14.1	18.4	25.8	29.8	29.7	31.3	24.7
18	21.8	17.0	13.2	13.3	12.5	14.1	19.5	25.1	28.9	30.2	31.3	26.1
19	21.7	17.6	13.6	14.0	12.4	14.5	20.7	24.8	27.9	30.7	31.4	27.4
20	21.9	18.2	14.8	14.1	13.3	15.8	21.6	25.1	27.4	30.9	31.2	28.2
21	21.9	18.3	14.8	13.8	15.2	16.8	19.7	25.3	27.0	30.9	30.2	28.8
22	22.1	17.0	15.3	14.3	15.6	17.1	20.2	24.8	26.7	30.7	29.9	29.5
23	22.0	16.2	16.0	15.1	15.1	18.3	20.2	24.6	27.4	30.7	30.2	29.9
24	22.1	15.9	15.5	14.9	15.2	18.3	20.5	24.7	28.1	30.7	30.6	30.0
25	22.5	14.7	15.0	12.2	15.4	18.5	21.3	25.0	28.5	30.8	30.3	29.6
26	23.0	13.2	13.8	10.4	14.7	19.1	21.8	24.8	27.9	31.0	30.0	28.2
27	23.5	11.5	13.8	11.0	14.0	19.9	21.7	24.2	27.5	31.0	29.6	25.4
28	23.6	12.7	14.1	11.2	13.4	19.9	21.7	24.4	28.5	31.6	29.8	25.5
29	24.0	11.4	15.4	11.7	---	20.1	21.6	25.2	29.2	31.2	30.0	25.2
30	24.5	12.0	16.2	10.5	---	20.9	22.5	26.2	29.5	30.5	30.5	25.1
31	24.9	---	16.9	11.6	---	21.0	---	27.4	---	31.1	30.8	---
MEAN	22.9	16.2	13.9	13.2	14.1	16.0	19.6	24.6	28.2	30.2	31.0	28.4
MAX	24.9	23.9	16.9	16.7	15.7	21.0	22.5	27.4	30.9	31.6	32.4	30.6
MIN	21.7	11.4	11.5	10.4	12.1	8.7	16.7	22.0	26.0	29.1	29.6	24.5

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

[illegible]

08017115 SOUTH CALCASIEU LAKE NEAR CAMERON LA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31200	33900	19900	17600	11400	18200	10800	13600	18000	12500	31700	28500
2	32700	29700	16700	19700	12800	16300	10900	12600	26000	15600	36800	30800
3	33500	33500	21700	23200	16900	16400	11100	10800	25600	15000	36800	29800
4	33200	26100	21600	24800	21500	13200	11300	11400	25700	19900	34500	27300
5	31300	23500	18200	22900	17800	13500	11500	22400	25000	20300	33400	31300
6	30600	26200	20000	23800	12900	13000	11600	17400	25400	14000	36000	29600
7	36200	27700	17100	23800	13900	10300	11900	20200	25800	10500	32800	31400
8	32500	28400	16100	21500	16500	8700	12200	18200	21200	7560	31600	32700
9	32300	28900	18100	21600	20600	9890	12400	14700	16500	8450	32100	30200
10	34700	29200	15600	18500	21300	10800	12700	10500	18800	7720	28900	28300
11	32300	28600	20200	17700	24200	9150	13100	12200	19500	7900	33700	27900
12	34400	26200	27800	16800	17300	6420	11400	14900	19900	9150	30600	27100
13	35100	23500	28100	16300	22300	4790	10700	9280	19300	13900	25000	26900
14	35800	25900	26400	16500	23700	5020	15600	13300	19700	14700	26400	25700
15	35400	25600	29000	17100	24600	5340	8320	16300	20300	17700	32400	24200
16	33000	25800	24000	14800	22200	5640	7210	16500	21000	17600	34800	23700
17	32200	29600	22000	18300	19700	5940	6330	17400	22900	17800	34600	23000
18	31900	28200	21400	19200	20200	6210	8680	27800	22400	18800	38200	22700
19	32900	28200	24600	16700	25300	6480	14500	15400	16600	19000	38600	23100
20	34500	26100	24800	15400	27100	6790	7680	25600	16200	16800	35400	22000
21	34700	24400	23800	13600	29400	7190	4100	27000	17300	18100	33400	20500
22	35300	23000	23300	13800	23800	7560	10000	29700	18600	19500	31600	17900
23	31900	24000	23600	14900	24500	7960	21600	32700	17700	17900	35200	17500
24	29800	24900	19900	11600	25500	8350	23400	27800	17100	18700	37600	17700
25	31800	21200	22400	9720	23500	8650	14400	18900	14000	19000	40100	17800
26	32300	19800	18500	8670	16500	9000	11300	16500	11700	20500	39100	22200
27	33600	18100	21000	10400	18500	9340	15500	19000	10200	30100	34500	21800
28	33600	22500	19200	9580	18100	9660	14700	18600	11900	29700	31400	22500
29	35500	19600	20500	8560	---	9960	14600	17000	13000	28000	27000	23700
30	35100	19100	19100	8390	---	10300	12200	15900	11900	29800	26600	22000
31	36200	---	18500	11500	---	10600	---	15800	---	29100	28400	---
MEAN	33400	25700	21400	16400	20400	9380	12100	18000	19000	17600	33200	25000
MAX	36200	33900	29000	24800	29400	18200	23400	32700	26000	30100	40100	32700
MIN	29800	18100	15600	8390	11400	4790	4100	9280	10200	7560	25000	17500

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 32°19'38", long 94° 21'1 2", Panola County, Hydrologic Unit 12010002, at downstream side of highway embankment near right end of downstream bridge on U.S. Highway 59, 0.9 mi upstream from Eightmile Creek, 6.0 mi upstream from Farm Road 1794, 8.4 mi northeast of Beckville, 12.4 mi downstream from State Highway 43, and at mile 327.0.

DRAINAGE AREA.--3,589 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1978, published as "near Tatum" (station 08022000).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 190.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, at site 12.4 mi upstream at datum 14.18 ft higher. Prior to Sept. 21, 1945, non-recording gage.

REMARKS.--No estimated daily discharges. Records good. Eight major upstream reservoirs, with a combined capacity of 1,701,000 acre-ft, largely regulate the flow. There are several diversions above this station and below Lake Tawakoni for municipal, industrial and for oil field operations. Low flows are sustained by sewage effluents that are returned to the river above the station. For statement regarding regulation by Soil Conservation Service flood-

water-retarding structures, see station 08018500. A rain gage and gage-height telemeter are located at station.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--22 years (water years 1939-60) prior to regulation by Lake Tawakoni, 2,663 ft³/s (1,929,000 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD PRIOR TO REGULATION (WATER YEARS 1939-60).--Maximum discharge, 123,000 ft³/s Apr. 4, 1945 (gage height, 33.80 ft), site and datum then in use, from graph based on gage readings, from rating curve extended above 66,000 ft³/s on basis of partly estimated discharge measurement of 88,900 ft³/s; minimum observed, 2.4 ft³/s Aug. 11, 1964. Maximum stage since at least 1984, that of Apr. 4, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of about 2 ft lower than flood of Apr. 4, 1945. These dates and gage heights are based on information for stations near Tatum (08022000) and at Logansport, La. (08022500).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	1360	2600	7200	5140	9140	4500	3920	954	3200	93	88
2	249	1530	1920	6460	4640	10100	4180	4010	892	2280	95	88
3	219	1600	1410	5420	4110	9480	3710	3910	843	1650	83	78
4	182	1510	1120	4450	3740	8560	3330	3610	795	1270	87	85
5	166	1490	960	5250	3570	8230	3320	3500	724	999	118	94
6	164	1380	881	6020	3510	8050	3160	3510	664	813	99	79
7	161	1230	827	6310	3340	7920	3100	3570	626	660	137	81
8	164	1050	790	6760	3090	8010	4270	3610	537	543	637	80
9	228	863	806	7260	3040	8290	4730	3580	472	468	837	80
10	235	679	1200	8290	3160	8530	4560	3850	420	427	494	70
11	211	568	1400	9080	3450	8970	4150	4130	392	366	424	72
12	202	532	1350	9470	3680	9990	4030	4000	481	323	470	65
13	200	764	1290	9620	3650	11400	3980	3800	593	342	699	67
14	193	1190	1310	9630	3460	12200	4050	3770	610	351	904	62
15	187	1320	4090	9420	6290	12200	4550	3730	609	294	887	67
16	194	1090	9610	9160	8350	12000	4790	3790	638	236	658	121
17	292	852	10800	8850	8380	12000	4620	3860	677	222	435	122
18	306	682	10400	9250	7390	12200	4390	3940	705	205	284	151
19	285	591	9780	10300	6500	11600	4290	4000	674	189	204	182
20	306	895	9160	10800	5980	11000	4390	4000	2840	173	169	197
21	335	2050	8620	11000	5670	10800	4590	3700	16500	154	147	207
22	330	2950	8270	10700	5650	10700	4700	3000	33300	157	131	202
23	360	3730	8180	9970	5610	10000	4710	2260	25500	142	121	169
24	354	3890	8300	8930	5980	9000	4690	1770	19500	139	104	137
25	322	3570	8350	8140	7620	7760	4580	1480	16100	161	102	134
26	297	3470	8300	7290	8220	6540	4490	1400	13500	152	93	130
27	257	3460	8310	6530	7770	5720	4470	1360	11100	129	94	201
28	232	3420	8340	6130	7460	5240	4290	1160	8440	107	87	266
29	236	3320	8360	5900	---	4970	4100	1020	5550	110	95	182
30	452	3120	8160	5740	---	4830	4020	1020	4190	104	83	153
31	1230	---	7800	5560	---	4720	---	1020	---	99	92	---
TOTAL	8831	54156	162694	244890	148450	280150	126740	95280	168826	16465	8963	3710
MEAN	285	1805	5248	7900	5302	9037	4225	3074	5628	531	289	124
MAX	1230	3890	10800	11000	8380	12200	4790	4130	33300	3200	904	266
MIN	161	532	790	4450	3040	4720	3100	1020	392	99	83	62
AC-FT	17520	107400	322700	485700	294500	555700	251400	189000	334900	32660	17780	7360

SABINE RIVER MAIN STEM

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1993#, BY WATER YEAR (WY)

MEAN	540	1548	3138	3075	3874	4233	3963	4849	2979	913	282	439
MAX	4325	8221	9866	10960	11930	12240	11330	21010	11580	3834	1725	3434
(WY)	1974	1975	1975	1992	1975	1992	1990	1966	1989	1992	1979	1974
MIN	42.5	82.1	144	239	448	445	355	317	77.5	32.1	36.7	33.8
(WY)	1964	1964	1966	1964	1964	1967	1971	1972	1971	1964	1969	1985

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1961 - 1993#

ANNUAL TOTAL	1575772		1319155									
ANNUAL MEAN	4305		3614							2478		
HIGHEST ANNUAL MEAN										4857		1992
LOWEST ANNUAL MEAN										311		1964
HIGHEST DAILY MEAN	17500	Jan 4	33300	Jun 22	48100	May	2	1966				
LOWEST DAILY MEAN	161	Oct 7	62	Sep 14	2.4	Aug	11	1964				
ANNUAL SEVEN-DAY MINIMUM	183	Oct 3	69	Sep 9	3.8	Aug	7	1964				
INSTANTANEOUS PEAK FLOW			35000	Jun 22	49400	May	2	1966				
INSTANTANEOUS PEAK STAGE			31.71	Jun 22	38.87	Mar	30	1989				
INSTANTANEOUS LOW FLOW			60	Sep 14								
ANNUAL RUNOFF (AC-FT)	3126000		2617000		1796000							
10 PERCENT EXCEEDS	11700		9160		7210							
50 PERCENT EXCEEDS	2020		2260		851							
90 PERCENT EXCEEDS	358		126		82							

Period of regulated streamglow.

SABINE RIVER MAIN STEM

08022500 SABINE RIVER AT LOGANSPOUT, LA

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, Louisiana-Shelby County, Texas State line at Logansport, Hydrologic Unit 12010004, on left bank just upstream from bridge on U.S. Highway 84, 3 mi upstream from Bayou Castor, 111 mi upstream from Toledo Bend Dam, and at mile 267.1.

DRAINAGE AREA.--4,842 mi²

PERIOD OF RECORD.--Gage-height record March 1968 to current year. Daily discharge record July 1903 to February 1968.

REVISED RECORDS.--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft above National Geodetic Vertical Datum of 1929. July 1, 1903, to Sept. 30, 1956, nonrecording gage, Oct. 1, 1956, to Jan. 16, 1964, water-stage recorder 4,600 ft upstream Jan. 16, 1964, to Dec. 10, 1968, water-stage recorder 4,700 ft upstream. All gages to present datum except prior to Dec. 31, 1906 when datum was 2.00 ft lower.

REMARKS.--Gage-height records good, except those for missing periods, which were not published. Station discontinued as a daily streamflow station on Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Ten major reservoirs, with a combined capacity of 1,824,000 acre-ft, largely regulate the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08018500. Numerous diversions above station for oil field operations, municipal, and industrial uses. Gage-height telemeter at station.

AVERAGE DISCHARGE.--64 years (water years 1904-67), 3,208 ft³/s (2,324,000 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (1968-91), 34.78 ft Apr. 16, 1991; minimum since initial filling of Toledo Bend Reservoir in June 1968, 16.85 ft Nov. 9, 1987. Maximum discharge (1903-67), 92,000 ft³/s Apr. 8, 1945 (gage height, 44.07 ft, from floodmark); minimum, 16 ft³/s Sept. 26-28, Oct. 3, 4, 1939. Maximum stage since at least 1884, that of Apr. 8, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of 39.4 ft, present site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 33.12 ft June 25 at 1530 hours; minimum, 17.39 ft at 0730 on Sept. 27.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.24	20.11	20.27	23.52	24.30	23.66	25.02	24.24	22.75	27.53	22.59	20.07
2	20.19	20.42	20.11	23.53	24.14	23.94	25.18	24.39	22.90	26.63	22.55	19.95
3	20.20	19.95	20.13	23.50	23.94	24.06	25.18	24.26	23.07	25.95	22.59	19.71
4	20.20	20.10	19.70	23.15	23.71	24.10	24.83	24.30	22.72	25.54	22.51	19.63
5	20.16	20.15	19.83	23.12	23.55	24.38	24.95	24.06	22.71	25.32	22.56	19.52
6	20.16	20.10	19.83	23.19	23.47	24.60	25.18	23.94	22.82	25.12	22.14	19.40
7	20.35	20.11	19.75	23.39	23.44	24.55	25.48	23.91	22.96	24.90	22.37	19.30
8	---	20.10	19.83	23.62	23.34	24.36	25.83	23.98	22.77	24.66	22.38	19.24
9	---	20.03	19.83	23.91	23.20	24.20	26.08	23.72	22.71	24.45	22.43	19.16
10	---	19.98	19.80	23.99	23.12	23.94	26.26	23.48	22.52	24.42	21.26	18.97
11	---	19.94	19.86	24.27	22.88	24.06	26.23	23.56	22.58	24.16	21.42	18.92
12	---	19.96	19.96	24.39	22.86	24.72	26.10	23.41	22.46	24.01	21.35	19.07
13	---	19.91	19.90	24.50	22.79	25.27	25.72	23.42	22.50	23.90	20.94	19.08
14	---	19.91	20.03	24.63	22.71	25.74	25.42	23.38	22.47	23.82	20.76	18.46
15	---	19.94	21.28	24.70	22.68	26.26	25.19	23.36	22.43	23.59	21.16	18.32
16	---	19.95	22.26	24.67	22.94	26.66	25.19	23.31	22.47	23.43	---	18.37
17	---	19.87	22.62	24.66	23.28	26.91	25.28	23.28	22.47	23.50	---	18.17
18	---	19.83	22.80	24.72	23.67	27.07	25.38	23.22	22.39	23.36	---	18.23
19	---	19.98	23.16	25.07	24.10	27.06	25.31	23.15	22.39	23.27	---	18.24
20	---	19.86	23.50	25.54	24.23	27.24	24.92	23.20	22.78	23.20	21.20	18.08
21	---	20.10	23.88	25.94	23.95	27.24	24.83	23.25	23.45	23.16	21.15	17.95
22	---	20.23	24.03	26.11	23.60	27.16	24.88	23.40	24.16	23.16	21.20	17.83
23	---	20.51	24.20	26.26	23.24	27.11	25.08	23.20	28.37	23.18	21.16	17.73
24	---	20.64	24.12	26.07	22.94	27.04	24.88	22.98	32.52	23.11	21.03	17.64
25	---	20.55	24.02	25.91	22.96	26.82	24.50	22.98	32.98	23.03	20.88	17.66
26	---	20.39	23.91	25.71	22.99	26.60	24.42	22.99	32.38	22.84	20.57	17.57
27	---	20.39	23.86	25.49	23.11	26.30	24.32	22.95	31.44	22.79	20.55	17.76
28	19.78	20.44	23.76	25.20	23.28	25.94	24.30	22.95	30.59	22.75	20.55	17.71
29	19.85	20.43	23.72	24.87	---	25.63	24.11	22.87	29.56	22.60	20.38	17.69
30	19.91	20.31	23.68	24.63	---	25.46	23.95	22.91	28.50	22.67	20.36	17.82
31	20.16	---	23.55	24.46	---	25.31	---	22.59	---	22.60	20.14	---
MAX	---	20.64	24.20	26.26	24.30	27.24	26.26	24.39	32.98	27.53	---	20.07
MIN	---	19.83	19.70	23.12	22.68	23.66	23.95	22.59	22.39	22.60	---	17.57

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.--Estimated daily discharges. Records fair, except those for periods of indefinite stage-discharge relationship, Dec. 4-8, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 16	1730	1,630	11.44	Apr. 8	2400	*1,650	*11.46
Mar. 13	0730	1,520	11.32				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	12	5.0	22	19	44	59	71	7.1	10	.40	.00
2	.02	11	4.4	19	18	284	30	436	5.3	6.8	.30	.00
3	.00	15	4.3	18	17	416	22	413	4.4	5.3	.41	.00
4	.00	14	e4.0	37	16	200	26	85	3.6	4.3	.43	.00
5	.00	12	e3.7	214	16	53	72	25	3.1	5.3	.52	.00
6	.02	9.3	e3.6	260	22	30	68	15	2.6	4.1	.65	.00
7	.02	7.1	e3.5	96	39	21	135	12	2.5	3.2	.88	.00
8	.06	6.4	e3.4	262	30	18	1170	10	2.0	2.7	.90	.00
9	.06	5.8	7.6	354	23	16	1180	8.6	1.7	2.5	1.2	.00
10	.06	6.8	17	448	19	15	467	18	1.5	2.5	1.1	.00
11	.04	6.6	21	510	21	17	92	92	8.3	4.1	.90	.00
12	.01	29	10	356	23	778	40	41	8.2	3.5	.79	.00
13	.00	41	7.6	112	19	1390	25	38	12	2.9	.85	.00
14	.00	31	6.9	60	17	723	47	19	3.7	2.8	.69	.00
15	.00	12	482	37	19	224	379	12	2.1	2.2	.42	.00
16	.06	8.8	1340	27	210	235	435	8.6	1.5	1.9	.24	.00
17	.12	7.7	900	22	312	451	142	7.0	1.2	8.8	.50	.00
18	.14	7.5	321	103	103	493	38	6.4	1.2	4.5	.37	.00
19	.14	7.1	59	443	38	234	22	6.4	1.5	2.8	.21	.00
20	.12	10	52	719	27	170	49	5.7	6.8	1.9	.05	.00
21	.11	14	136	595	24	391	281	5.2	39	1.5	.00	.00
22	.10	148	183	338	21	367	245	5.1	58	1.1	.00	.00
23	.07	159	202	117	18	355	38	5.6	31	.99	.00	.00
24	.05	73	314	74	15	336	18	6.3	71	.81	.00	.00
25	.04	21	213	79	84	151	13	7.5	161	.66	.00	.00
26	.02	16	145	53	350	148	25	11	188	.62	.00	.00
27	.00	10	159	33	330	80	26	12	537	.55	.00	.00
28	.00	7.4	77	26	78	46	14	9.0	670	.50	.00	.00
29	.00	6.1	44	23	---	32	11	8.9	278	.49	.08	.00
30	7.7	5.3	34	22	---	28	10	8.3	24	.52	.00	.00
31	5.9	---	27	21	---	65	---	7.9	---	.47	.00	---
TOTAL	14.89	719.9	4790.0	5500	1928	7811	5179	1416.5	2137.3	90.31	11.89	0.00
MEAN	.48	24.0	155	177	68.9	252	173	45.7	71.2	2.91	.38	.000
MAX	7.7	159	1340	719	350	1390	1180	436	670	10	1.2	.00
MIN	.00	5.3	3.4	18	15	15	10	5.1	1.2	.47	.00	.00
AC-FT	30	1430	9500	10910	3820	15490	10270	2810	4240	179	24	.00
CFSM	.01	.33	2.13	2.45	.95	3.48	2.38	.63	.98	.04	.01	.00
IN.	.01	.37	2.46	2.82	.99	4.01	2.66	.73	1.10	.05	.01	.00

e Estimated

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1993, BY WATER YEAR (WY)

MEAN	16.5	41.8	116	129	223	106	100	114	108	24.4	1.70	1.00
MAX	128	220	376	450	514	252	451	388	433	290	11.6	6.12
(WY)	1985	1987	1983	1991	1987	1993	1991	1990	1989	1989	1991	1991
MIN	.000	.068	.036	.39	2.36	.97	.49	.54	.053	.000	.000	.000
(WY)	1991	1982	1982	1981	1981	1986	1981	1988	1984	1984	1985	1982

SUMMARY STATISTICS

FOR 1992 CALENDAR YEAR

FOR 1993 WATER YEAR

WATER YEARS 1981 - 1993

ANNUAL TOTAL	33907.56	29598.79	
ANNUAL MEAN	92.6	81.4	80.9
HIGHEST ANNUAL MEAN			156 1989
LOWEST ANNUAL MEAN			14.4 1981
HIGHEST DAILY MEAN	2140 Jun 27	1390 Mar 13	6230 May 18 1989
LOWEST DAILY MEAN	0 many days	.00 Oct 3	0 many days
ANNUAL SEVEN-DAY MINIMUM	.01 Oct 1	.00 Aug 21	.00 Oct 1 1980
INSTANTANEOUS PEAK FLOW		1650 Apr 8	9450 May 18 1989
INSTANTANEOUS PEAK STAGE		11.46 Apr 8	15.37 May 18 1989
INSTANTANEOUS LOW FLOW		.00 many days	0 at times most years
ANNUAL RUNOFF (AC-FT)	67260	58710	58630
ANNUAL RUNOFF (CFSM)	1.28	1.12	1.12
ANNUAL RUNOFF (INCHES)	17.40	15.19	15.17
10 PERCENT EXCEEDS	260	282	183
50 PERCENT EXCEEDS	12	10	4.1
90 PERCENT EXCEEDS	1.5	.00	.00

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.43	4.14	3.94	4.45	4.18	4.84	4.98	5.04	3.81	3.95	3.18	3.04
2	3.42	4.13	3.90	4.36	4.15	7.70	4.36	8.98	3.70	3.78	3.16	3.02
3	3.41	4.30	3.89	4.32	4.12	8.80	4.14	8.80	3.64	3.69	3.18	3.00
4	3.40	4.22	3.90	4.74	4.09	6.88	4.25	5.62	3.58	3.62	3.19	2.98
5	3.39	4.15	3.91	7.24	4.07	5.02	5.22	4.50	3.54	3.69	3.20	2.96
6	3.42	4.04	3.92	7.67	4.26	4.49	5.16	4.17	3.49	3.61	3.22	2.93
7	3.42	3.92	3.94	5.91	4.72	4.26	5.72	4.05	3.48	3.53	3.27	2.92
8	3.45	3.88	3.92	7.68	4.50	4.13	10.80	3.97	3.43	3.49	3.27	2.90
9	3.45	3.84	4.09	8.43	4.31	4.07	10.86	3.89	3.40	3.47	3.31	2.88
10	3.45	3.91	4.50	9.07	4.18	4.04	8.95	4.22	3.37	3.46	3.31	2.86
11	3.44	3.89	4.65	9.45	4.24	4.08	5.66	5.83	3.74	3.61	3.27	2.84
12	3.41	4.65	4.24	8.37	4.32	9.62	4.76	4.90	3.86	3.55	3.25	2.82
13	3.39	5.00	4.10	6.13	4.20	11.16	4.39	4.85	4.01	3.51	3.26	2.84
14	3.36	4.74	4.06	5.34	4.09	10.04	4.72	4.31	3.59	3.50	3.23	2.90
15	3.35	4.17	8.46	4.86	4.16	7.02	8.53	4.05	3.44	3.43	3.18	3.00
16	3.44	4.02	11.10	4.61	7.02	7.14	8.95	3.89	3.37	3.41	3.15	2.96
17	3.50	3.96	10.42	4.45	8.01	9.00	6.26	3.81	3.33	3.89	3.20	2.93
18	3.51	3.95	7.99	5.75	5.78	9.29	4.75	3.77	3.32	3.63	3.17	2.90
19	3.51	3.92	5.32	9.02	4.71	7.13	4.37	3.77	3.36	3.50	3.15	2.88
20	3.50	4.11	5.19	10.11	4.42	6.49	4.89	3.73	3.78	3.41	3.12	2.87
21	3.48	4.32	6.42	9.76	4.33	8.56	7.82	3.69	4.84	3.35	3.09	2.85
22	3.48	6.76	6.98	8.16	4.25	8.36	7.41	3.69	5.26	3.31	3.06	2.84
23	3.46	6.92	7.10	6.02	4.14	8.28	4.82	3.72	4.65	3.29	3.06	2.83
24	3.45	5.69	8.13	5.41	4.04	8.11	4.28	3.76	5.38	3.25	3.04	2.82
25	3.44	4.63	7.22	5.49	5.20	6.31	4.11	3.84	6.70	3.23	3.02	2.81
26	3.43	4.48	6.56	5.02	8.31	6.26	4.48	4.03	6.91	3.22	2.99	2.92
27	3.41	4.23	6.71	4.60	8.11	5.35	4.54	4.04	9.53	3.21	2.97	3.03
28	3.39	4.09	5.63	4.40	5.44	4.74	4.15	3.91	10.00	3.20	2.97	3.01
29	3.39	4.01	5.01	4.32	---	4.43	4.02	3.91	7.47	3.20	3.12	2.99
30	3.97	3.96	4.78	4.28	---	4.32	3.97	3.88	4.44	3.20	3.09	2.97
31	3.85	---	4.61	4.23	---	5.08	---	3.85	---	3.19	3.06	---
MAX	3.97	6.92	11.10	10.11	8.31	11.16	10.86	8.98	10.00	3.95	3.31	3.04
MIN	3.35	3.84	3.89	4.23	4.04	4.04	3.97	3.69	3.32	3.19	2.97	2.81

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in sec.38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi east of Benson, and 3.9 mi upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi².

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63, October 1977 to current year.

REVISED RECORDS.--WDR LA-80-1: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft above sea level. Oct. 29, 1953 to Sept. 30, 1968, crest-stage gage at same site and datum.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 3	0430	2,370	16.32	Apr. 8	1700	*2,530	*16.45

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	27	4.7	28	31	47	271	67	3.6	7.3	.79	.00
2	.00	35	4.7	23	30	324	85	302	3.3	4.7	.51	.00
3	.00	28	4.6	20	28	311	59	133	3.1	3.6	.33	.00
4	.00	42	4.6	24	26	92	118	26	3.0	3.0	.17	.00
5	.00	31	4.1	158	26	54	185	11	2.4	2.5	.13	.00
6	.00	21	4.3	113	44	40	122	6.3	2.5	2.0	.03	.00
7	.00	18	4.9	63	64	33	279	4.9	2.5	1.6	.04	.00
8	.00	16	4.7	268	41	30	1980	4.0	2.6	1.3	.00	.00
9	.00	15	5.9	233	32	27	1200	3.2	2.7	.99	.00	.00
10	.00	14	30	154	29	25	436	3.6	2.7	.77	.02	.00
11	.00	15	24	151	36	35	121	4.8	2.9	.74	.00	.00
12	.00	20	10	108	39	1120	79	4.6	2.8	.78	.00	.00
13	.00	57	6.9	91	30	1800	60	3.9	2.6	.82	.00	.00
14	.00	28	5.9	52	26	672	114	3.6	2.5	.83	.00	.00
15	.00	19	301	37	25	202	661	3.2	2.2	.67	.00	.00
16	.00	17	952	30	131	336	542	3.0	2.3	.75	.00	.00
17	.00	16	805	26	189	906	141	3.0	2.5	1.3	.00	.00
18	.00	17	226	52	59	679	52	3.1	2.7	1.8	.00	.00
19	.00	18	60	453	40	256	35	3.9	3.8	1.8	.00	.00
20	.00	26	58	795	33	125	40	4.3	39	1.9	.00	.00
21	.00	47	145	637	33	213	117	4.6	273	1.6	.00	.00
22	.00	47	159	294	31	143	45	4.8	224	1.3	.00	.00
23	.00	60	135	111	26	293	24	5.4	101	1.0	.00	.00
24	.00	16	496	84	23	244	18	6.4	131	.79	.00	.00
25	.00	13	478	81	57	97	18	8.4	35	.63	.00	.00
26	.00	15	267	58	216	72	23	12	352	.57	.00	.00
27	.00	8.5	164	47	97	58	22	6.5	633	.43	.00	.00
28	.00	6.4	82	41	48	46	14	4.7	629	.28	.00	.00
29	.09	5.5	54	38	---	40	11	4.1	144	.37	.04	.00
30	12	5.1	43	38	---	155	12	3.7	16	1.9	.01	.00
31	38	---	35	34	---	635	---	3.6	---	1.3	.00	---
TOTAL	50.09	703.5	4579.3	4342	1490	9110	6884	662.6	2629.7	49.32	2.07	0.00
MEAN	1.62	23.4	148	140	53.2	294	229	21.4	87.7	1.59	.067	.000
MAX	38	60	952	795	216	1800	1980	302	633	7.3	.79	.00
MIN	.00	5.1	4.1	20	23	25	11	3.0	2.2	.28	.00	.00
AC-FT	99	1400	9080	8610	2960	18070	13650	1310	5220	98	4.1	.00
CFSM	.02	.29	1.84	1.75	.66	3.66	2.86	.27	1.09	.02	.00	.00
IN.	.02	.33	2.12	2.01	.69	4.23	3.19	.31	1.22	.02	.00	.00

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1993, BY WATER YEAR (WY)

MEAN	6.08	41.7	121	144	238	150	147	144	97.0	20.1	5.87	11.0
MAX	41.3	305	478	448	592	330	544	530	573	288	64.7	85.0
(WY)	1986	1987	1983	1979	1983	1989	1991	1983	1989	1989	1991	1991
MIN	.000	.000	.000	.18	1.76	12.5	1.50	2.11	.000	.000	.000	.000
(WY)	1981	1981	1981	1981	1981	1981	1981	1988	1988	1978	1980	1980

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1978 - 1993	
ANNUAL TOTAL	41470.59		30502.58			
ANNUAL MEAN	113		83.6		93.1	
HIGHEST ANNUAL MEAN					190	
LOWEST ANNUAL MEAN					10.6	
HIGHEST DAILY MEAN	2940		1980		10700	
LOWEST DAILY MEAN	0 many days		0 many days		0 most years	
ANNUAL SEVEN-DAY MINIMUM	0 many days		0 many days		0 most years	
INSTANTANEOUS PEAK FLOW			2530		21300	
INSTANTANEOUS PEAK STAGE			16.45		21.19	
INSTANTANEOUS LOW FLOW			0 many days		0 at times most years	
ANNUAL RUNOFF (AC-FT)	82260		60500		67410	
ANNUAL RUNOFF (CFSM)	1.41		1.04		1.16	
ANNUAL RUNOFF (INCHES)	19.24		14.15		15.76	
10 PERCENT EXCEEDS	289		229		209	
50 PERCENT EXCEEDS	21		11		6.3	
90 PERCENT EXCEEDS	.00		.00		.00	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.05	8.14	7.61	8.84	8.36	8.93	12.59	9.51	7.78	8.13	7.23	6.76
2	7.03	8.51	7.60	8.59	8.28	13.35	9.83	13.60	7.72	7.90	7.15	6.72
3	7.01	8.22	7.59	8.46	8.19	13.26	9.07	11.24	7.70	7.75	7.10	6.67
4	6.99	8.81	7.59	8.61	8.13	10.32	10.49	9.04	7.68	7.66	7.03	6.64
5	6.98	8.35	7.53	11.71	8.13	9.22	11.90	8.37	7.59	7.58	7.02	6.60
6	6.95	7.83	7.56	10.97	8.87	8.72	10.75	8.07	7.60	7.49	6.96	6.56
7	6.93	7.66	7.62	9.93	9.54	8.45	11.27	7.93	7.61	7.41	6.97	6.53
8	6.93	7.55	7.61	13.20	8.76	8.29	16.14	7.83	7.63	7.35	6.94	6.50
9	6.92	7.50	7.73	12.76	8.40	8.15	15.70	7.72	7.64	7.28	6.90	6.46
10	6.92	7.45	8.95	11.74	8.27	8.04	13.99	7.78	7.63	7.22	6.96	6.42
11	6.92	7.49	8.80	11.67	8.55	8.44	10.72	7.93	7.67	7.21	6.94	6.39
12	6.89	7.76	8.09	10.95	8.69	15.14	9.67	7.90	7.66	7.22	6.91	6.35
13	6.87	9.29	7.84	10.61	8.29	16.04	9.14	7.82	7.61	7.23	6.85	6.32
14	6.84	8.21	7.74	9.66	8.09	15.06	9.94	7.77	7.60	7.24	6.80	6.33
15	6.82	7.76	11.96	9.16	8.04	12.17	15.16	7.72	7.55	7.19	6.78	6.36
16	6.94	7.63	15.56	8.91	10.79	13.19	14.85	7.68	7.57	7.21	6.75	6.33
17	6.96	7.55	15.34	8.72	11.96	15.53	11.38	7.68	7.60	7.32	6.72	6.31
18	6.94	7.62	12.49	9.45	9.38	15.18	9.65	7.70	7.64	7.46	6.70	6.29
19	6.91	7.70	9.88	14.34	8.72	12.67	9.08	7.82	7.80	7.45	6.69	6.26
20	6.88	8.20	9.81	15.44	8.45	11.09	9.21	7.87	8.88	7.46	6.66	6.24
21	6.86	9.19	11.58	15.09	8.43	12.45	11.10	7.90	13.28	7.40	6.62	6.53
22	6.84	9.25	11.81	13.06	8.34	11.40	9.41	7.93	12.70	7.35	6.60	6.89
23	6.82	9.86	11.30	10.78	8.13	13.16	8.64	7.99	10.79	7.28	6.57	6.80
24	6.80	8.43	14.74	10.14	7.96	12.64	8.35	8.08	11.33	7.22	6.55	6.75
25	6.78	8.29	14.67	10.06	9.06	10.45	8.35	8.23	9.26	7.18	6.53	6.71
26	6.76	8.38	13.22	9.37	12.47	9.81	8.61	8.46	13.67	7.17	6.50	6.69
27	6.75	7.97	11.87	8.99	10.36	9.35	8.53	8.09	15.15	7.13	6.46	6.67
28	6.73	7.79	10.42	8.78	9.03	8.95	8.12	7.91	15.11	7.08	6.50	6.63
29	6.71	7.69	9.73	8.63	---	8.74	7.92	7.84	11.25	7.11	6.90	6.59
30	7.53	7.66	9.37	8.63	---	10.63	7.97	7.79	8.62	7.46	6.92	6.55
31	8.69	---	9.09	8.49	---	15.10	---	7.77	---	7.35	6.82	---
MAX	8.69	9.86	15.56	15.44	12.47	16.04	16.14	13.60	15.15	8.13	7.23	6.89
MIN	6.71	7.45	7.53	8.46	7.96	8.04	7.92	7.68	7.55	7.08	6.46	6.24

SABINE RIVER MAIN STEM

08025350 TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010004, in powerhouse at right end of Toledo Bend Dam on Sabine River, 15 mi northeast of Burkeville, and at mile 156.5.

DRAINAGE AREA.--7,178 mi².

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority). Prior to July 20, 1967, nonrecording gage at same site and datum. July 20, 1967, to June 30, 1973, recording gage at right end of spillway 1.6 mi north of present site and at same datum.

REMARKS.--The reservoir is formed by a rolled earthfill dam. Closure of embankment completed and deliberate impoundment began Oct. 3, 1966. The reservoir is operated for hydro-electric power generation and water conservation. Releases during high inflow periods are controlled by eleven 40- x 28-foot tainter gates. An 8.33- x 12-foot gated conduit through the dam is used for low-flow releases. Two additional 20-inch-diameter conduits, that bypass the larger conduit, may also be used for low-flow releases. Water for turbines is admitted through four 16.75- x 29-foot penstocks and controlled by vertically operated caterpillar-type gates. The capacity table is based on U.S. Geological Survey topographic maps. For statement regarding regulation by upstream reservoirs, see station 08020000. Figures given herein represent total contents. Data regarding the dam and reservoir are given in the following table:

	Elevation (feet)	Capacity (acre-feet)
Top of dam.....	185.0	-
Design flood.....	175.3	5,102,000
Top of gates.....	173.0	4,660,000
Top of power drawdown storage.....	172.0	4,476,000
Top of power head storage.....	162.2	2,922,000
Crest of spillway (controlled).....	145.0	1,162,000
Lowest gated outlet (invert).....	100.0	4,090

COOPERATION.--Capacity table furnished by the Sabine River Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,840,000 acre-ft May 18, 1989 (elevation, 173.95 ft); minimum since initial filling of reservoir in June 1968, 3,290,000 acre-ft Nov. 14, 15, 1987 (elevation, 164.78 ft).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,642,000 acre-ft June 29 at 1500 hours to June 30 at 1400 hours (elevation, 172.90 ft); minimum, 3,324,000 acre-ft Sept. 30 (elevation, 165.01 ft).

Capacity table (elevation, in feet, and total contents, in acre-feet)

164.0	3,175,000	168.0	3,788,000	172.0	4,476,000
166.0	3,473,000	170.0	4,123,000	173.0	4,660,000

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3786000	3746000	3738000	4092000	4358000	4024000	4585000	4376000	4193000	4621000	4089000	3734000
2	3774000	3718000	3737000	4091000	4345000	4055000	4524000	4385000	4166000	4620000	4089000	3710000
3	3770000	3811000	3724000	4096000	4333000	4062000	4528000	4374000	4158000	4603000	4062000	3705000
4	3766000	3777000	3746000	4142000	4318000	4072000	4568000	4351000	4172000	4572000	4053000	3689000
5	3761000	3745000	3726000	4123000	4310000	4080000	4531000	4351000	4172000	4533000	4023000	3673000
6	3759000	3743000	3716000	4123000	4290000	4092000	4511000	4329000	4158000	4529000	4023000	3649000
7	3724000	3734000	3713000	4146000	4262000	4106000	4570000	4297000	4139000	4493000	4021000	3631000
8	3743000	3724000	3703000	4158000	4245000	4111000	4623000	4266000	4144000	4480000	4019000	3614000
9	3734000	3721000	3713000	4187000	4217000	4109000	4618000	4297000	4140000	4447000	4014000	3592000
10	3750000	3724000	3708000	4207000	4194000	4132000	4588000	4262000	4146000	4417000	4004000	3575000
11	3740000	3724000	3706000	4215000	4194000	4140000	4596000	4264000	4139000	4381000	3987000	3550000
12	3734000	3738000	3702000	4219000	4166000	4280000	4574000	4262000	4147000	4352000	3970000	3521000
13	3716000	3726000	3692000	4227000	4147000	4264000	4557000	4245000	4146000	4318000	3961000	3495000
14	3710000	3721000	3695000	4212000	4123000	4278000	4583000	4241000	4144000	4280000	3960000	3540000
15	3721000	3719000	3770000	4200000	4113000	4292000	4555000	4224000	4140000	4280000	3958000	3506000
16	3748000	3708000	3803000	4198000	4104000	4383000	4550000	4219000	4123000	4245000	3946000	3485000
17	3740000	3708000	3818000	4184000	4089000	4412000	4518000	4210000	4123000	4233000	3935000	3464000
18	3732000	3708000	3821000	4213000	4070000	4433000	4494000	4233000	4109000	4247000	3920000	3446000
19	3719000	3703000	3854000	4252000	4046000	4453000	4507000	4227000	4130000	4231000	3908000	3429000
20	3718000	3735000	3870000	4335000	4023000	4504000	4511000	4227000	4158000	4227000	3892000	3419000
21	3719000	3726000	3887000	4365000	4055000	4524000	4491000	4226000	4198000	4207000	3884000	3404000
22	3718000	3735000	3904000	4385000	4040000	4561000	4467000	4198000	4234000	4191000	3870000	3381000
23	3716000	3740000	3958000	4395000	4038000	4583000	4429000	4213000	4259000	4172000	3859000	3369000
24	3711000	3745000	3972000	4410000	4006000	4588000	4415000	4236000	4315000	4165000	3869000	3351000
25	3708000	3751000	4016000	4428000	4038000	4586000	4429000	4241000	4392000	4147000	3851000	3345000
26	3706000	3756000	4026000	4406000	4013000	4577000	4412000	4238000	4474000	4151000	3837000	3364000
27	3710000	3745000	4045000	4404000	4004000	4575000	4386000	4226000	4574000	4140000	3821000	3352000
28	3702000	3730000	4052000	4404000	4004000	4555000	4358000	4215000	4623000	4123000	3806000	3346000
29	3700000	3730000	4063000	4406000	---	4546000	4365000	4215000	4642000	4108000	3790000	3342000
30	3724000	3740000	4074000	4390000	---	4562000	4335000	4210000	4634000	4103000	3758000	3324000
31	3711000	---	4108000	4369000	---	4561000	---	4227000	---	4092000	3751000	---
MAX	3786000	3811000	4108000	4428000	4358000	4588000	4623000	4385000	4642000	4621000	4089000	3734000
MIN	3700000	3703000	3692000	4091000	4004000	4024000	4335000	4198000	4109000	4092000	3751000	3324000
(v)	167.52	167.70	169.91	171.40	169.30	172.46	171.21	170.60	172.86	169.82	167.77	165.01
(d)	-79000	+29000	+368000	+261000	-365000	+557000	-226000	-108000	+407000	-542000	-341000	-42700
CAL YR 1992	MAX			4679000		MIN		3692000		(\$F0d\$F1)		+349000
WTR YR 1993	MAX			4642000		MIN		3324000		(\$F0d\$F1)		-466000

(v) Elevation, in feet, at end of month.

(d) Change in contents, in acre-feet.

SABINE RIVER MAIN STEM

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010005, in powerhouse at right end of Toledo Bend Dam, 10 mi upstream from Sabine River near Burkeville gage, and at mile 156.5.

DRAINAGE AREA.--7,178 mi².

PERIOD OF RECORD.--October 1971 to current year. Water-quality records.--Chemical and biochemical analyses: October 1967 to September 1986.

GAGE.--Water-stage recorders. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority).

REMARKS.--No estimated daily discharges. Records poor. Daily discharges are a combination of releases from various outlets at the dam. Discharges for releases through the turbines are computed using scroll case differential pressure relationships and operation logs. Tainter gate releases, low-flow sluiceway releases, bypass gate releases, and turbine leakages are based on discharge measurements and operation logs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 114,000 ft³/s May 19, 1989; minimum daily (estimated), 30 ft³/s Oct. 1-4, 1972.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3210	217	4020	7540	14900	7060	14600	14300	3850	23100	204	7520
2	3240	1420	3870	7430	15000	7480	14500	14800	2550	17900	4630	7490
3	134	1390	3820	7290	14800	10600	14600	14800	2710	14000	5650	7510
4	134	3160	3860	7410	14700	8950	14600	14800	2630	14000	5480	7480
5	1510	3530	3990	7520	14700	7360	14600	14700	204	13900	5320	7650
6	1510	3310	4100	7310	15100	4940	14800	14600	204	14100	5730	7790
7	1360	3320	4030	7350	14800	7360	14600	14800	2550	14500	174	7600
8	1460	3290	4050	7400	15000	7430	19700	14600	2550	14000	174	7470
9	1390	3570	3940	7310	15100	7170	26300	14700	1940	14200	5230	7460
10	134	2640	3930	7670	15100	6610	24900	14700	3410	14200	5690	7470
11	134	3560	134	6360	15000	7840	19900	13500	2980	14100	5560	7460
12	1440	2670	3860	10000	15100	7910	19800	7180	174	14300	5970	7720
13	1450	2720	3820	11100	15100	7370	19800	7030	174	14300	6330	7720
14	1480	2700	3780	14800	15300	7150	19800	7020	2760	14200	174	7420
15	1510	2680	5310	14700	15300	7150	19800	7110	2720	14200	174	7660
16	1440	2710	7510	14500	15300	7090	19800	7090	2740	5820	5670	7700
17	134	2800	7480	14500	15400	7210	14600	6240	2550	204	5720	7660
18	134	2680	7570	14400	15300	7390	14700	4560	2880	204	5440	7640
19	1470	2720	7520	14500	15200	7360	14700	3800	174	5510	5760	7730
20	1470	2680	7490	14600	15300	6280	14800	3600	174	5580	5890	7630
21	1430	2720	7430	14600	15200	12700	14600	3830	2950	5620	5130	7900
22	1440	2630	7300	14300	15500	14900	14900	3770	6720	5660	202	7900
23	1450	2550	7500	12700	15200	18000	14900	3920	6920	5580	174	7010
24	134	3920	7300	15200	15100	20200	14700	3720	10800	204	174	8110
25	134	3900	7580	15300	15100	20000	14600	3600	14400	204	5770	174
26	1410	3880	7310	15300	15600	19800	14700	3550	14300	5150	7440	174
27	1350	3900	7400	14900	15200	19800	14500	4500	13100	5610	7520	155
28	1350	3880	7540	15000	9460	19800	14900	4040	22300	5820	7230	144
29	1260	3860	7430	15100	---	16700	10500	4200	25200	6050	7400	144
30	1500	3900	7340	14800	---	14800	14300	3540	24700	5660	7530	144
31	164	---	7560	14800	---	14400	---	3710	---	204	7390	---
TOTAL	36366	88907	175774	365690	417860	338810	493500	256310	181314	288080	140930	183635
MEAN	1173	2964	5670	11800	14920	10930	16450	8268	6044	9293	4546	6121
MAX	3240	3920	7580	15300	15600	20200	26300	14800	25200	23100	7530	8110
MIN	134	217	134	6360	9460	4940	10500	3540	174	204	174	144
AC-FT	72130	176300	348600	725300	828800	672000	978900	508400	359600	571400	279500	364200

SABINE RIVER MAIN STEM

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1993, BY WATER YEAR (WY)

MEAN	1111	1775	5659	9364	10020	9748	8214	8305	6659	5034	3607	2962
MAX	6809	6567	17720	27680	20510	21450	19270	22170	24960	18790	6732	7323
(WY)	1992	1974	1975	1974	1975	1992	1991	1991	1989	1989	1976	1991
MIN	59.0	50.7	74.5	90.0	339	231	247	311	1999	1004	764	424
(WY)	1976	1976	1976	1978	1981	1972	1978	1984	1982	1988	1984	1983

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1972 - 1993	
ANNUAL TOTAL	2703928		2967176			
ANNUAL MEAN	7388		8129		6021	
HIGHEST ANNUAL MEAN					10070	
LOWEST ANNUAL MEAN					1588	
HIGHEST DAILY MEAN	37000		26300		114000	
LOWEST DAILY MEAN	134		134		30	
ANNUAL SEVEN-DAY MINIMUM	731		1010		34	
ANNUAL RUNOFF (AC-FT)	5363000		5885000		4362000	
10 PERCENT EXCEEDS	14800		15100		14800	
50 PERCENT EXCEEDS	3930		7310		3880	
90 PERCENT EXCEEDS	164		843		130	

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56, in SW 1/4 sec.20, T.4 N., R.11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on state highway 473, 0.2 mi upstream from Hamby Creek, 2.5 mi northeast of Toro, and 7.8 mi west of Hornbeck.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--October 1955 to September 1986, October 1988 to current year.

GAGE.--Water-sage recorder. Datum of gage is 138.00 ft above sea level (levels by Louisiana Department of Transportation and Development). Nonrecording gage at same site and datum read once daily from Dec. 2, 1985 to May 15, 1986 and twice daily May 16, 1986 to Sept. 30, 1986. Prior to Dec. 2, 1985 at site 500 ft downstream at same datum.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 20	1630	2030	13.38	Apr. 9	0800	*3860	*18.64

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	82	29	105	90	108	1250	e140	37	56	11	7.2
2	7.1	88	28	90	84	823	356	950	28	42	9.7	6.2
3	6.8	66	26	81	79	737	184	615	24	34	9.5	6.2
4	6.5	296	25	97	74	259	1040	184	22	30	9.2	6.2
5	6.4	180	23	275	73	151	1280	122	21	27	8.5	5.2
6	6.3	55	23	218	98	111	541	e100	20	24	8.1	4.8
7	6.1	30	24	299	133	91	686	84	19	22	8.1	4.5
8	6.2	23	23	954	101	79	2940	73	18	20	7.9	4.9
9	5.9	19	46	557	80	71	3500	63	17	18	8.9	4.6
10	6.0	17	282	288	72	64	1990	155	16	17	8.5	4.6
11	6.9	16	175	282	75	93	523	310	16	17	9.4	4.4
12	6.1	33	79	256	78	713	277	144	103	32	17	4.2
13	5.9	102	53	226	68	1090	211	99	92	30	17	4.0
14	5.6	65	44	161	60	439	179	79	43	21	11	4.4
15	5.5	34	922	128	57	197	191	63	31	17	9.3	5.6
16	8.1	24	1450	111	66	403	183	52	25	48	8.6	7.3
17	12	21	817	96	103	642	141	45	21	53	7.7	7.7
18	21	18	212	91	84	367	125	41	18	28	6.9	8.4
19	15	16	145	837	65	205	117	46	17	21	6.9	7.4
20	11	157	133	1940	59	186	109	42	26	17	6.5	6.7
21	8.8	355	264	1820	59	239	142	37	67	15	6.2	6.5
22	7.9	695	295	1160	59	346	137	34	117	13	6.6	6.2
23	7.5	390	281	354	55	1510	e105	31	204	12	8.0	5.8
24	7.8	130	1070	252	47	886	e92	33	265	11	8.9	5.8
25	8.1	89	797	213	86	313	e84	36	135	11	9.1	5.4
26	7.6	71	521	168	281	211	e76	42	160	11	8.6	5.0
27	7.6	52	377	139	195	163	e72	46	580	10	7.6	4.8
28	8.0	41	218	122	109	131	e70	38	338	9.5	7.7	4.5
29	7.7	35	165	113	---	112	e68	34	183	9.7	8.3	4.2
30	14	31	139	109	---	125	e90	31	83	10	8.5	4.3
31	81	---	121	100	---	1310	---	30	---	12	7.6	---
TOTAL	328.1	3231	8807	11642	2490	12175	16759	3799	2746	698.2	276.8	167.0
MEAN	10.6	108	284	376	88.9	393	559	123	91.5	22.5	8.93	5.57
MAX	81	695	1450	1940	281	1510	3500	950	580	56	17	8.4
MIN	5.5	16	23	81	47	64	68	30	16	9.5	6.2	4.0
AC-FT	651	6410	17470	23090	4940	24150	33240	7540	5450	1380	549	331
CFSM	.07	.73	1.92	2.54	.60	2.65	3.77	.83	.62	.15	.06	.04
IN.	.08	.81	2.21	2.93	.63	3.06	4.21	.95	.69	.18	.07	.04

e Estimated.

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1993, BY WATER YEAR (WY)

MEAN	48.2	76.5	184	290	326	264	251	205	125	63.7	29.8	56.2
MAX	695	589	1166	1134	1117	789	1354	1223	1202	886	198	928
(WY)	1985	1958	1983	1990	1975	1961	1968	1975	1989	1989	1958	1961
MIN	1.70	5.12	7.96	14.6	23.9	42.4	13.1	9.33	4.14	2.62	.92	.76
(WY)	1964	1982	1982	1981	1981	1956	1981	1963	1971	1956	1956	1956

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1956 - 1993	
ANNUAL TOTAL	67726.7		63119.1			
ANNUAL MEAN	185		173		159	
HIGHEST ANNUAL MEAN					409	
LOWEST ANNUAL MEAN					30.8	
HIGHEST DAILY MEAN	2870	May 6	3500	Apr 9	21600	Apr 9 1968
LOWEST DAILY MEAN	5.5	Oct 15	4.0	Sep 13	.10	Sep 29 1956
ANNUAL SEVEN-DAY MINIMUM	6.0	Oct 9	4.4	Sep 8	.13	Sep 27 1956
INSTANTANEOUS PEAK FLOW			3860	Apr 9	31200	Apr 9 1968
INSTANTANEOUS PEAK STAGE			18.64	Apr 9	25.73	Apr 9 1968
INSTANTANEOUS LOW FLOW			3.8	Sep 14	.10	Sep 29, 30, Oct 1, 1956
INSTANTANEOUS LOW STAGE			2.77	Sep 14	2.40	Sep 30, Oct 1, 1956
ANNUAL RUNOFF (AC-FT)	134300		125200		115200	
ANNUAL RUNOFF (CFSM)	1.25		1.17		1.07	
ANNUAL RUNOFF (INCHES)	17.02		15.87		14.60	
10 PERCENT EXCEEDS	468		382		300	
50 PERCENT EXCEEDS	44		55		34	
90 PERCENT EXCEEDS	9.0		6.5		5.7	

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	4.54	3.75	4.82	4.66	4.81	10.54	---	3.90	4.20	3.16	2.99
2	2.96	4.61	3.71	4.66	4.59	8.80	6.57	9.35	3.71	3.97	3.11	2.93
3	2.95	4.32	3.67	4.55	4.53	8.43	5.52	7.82	3.64	3.82	3.10	2.93
4	2.93	6.26	3.64	4.72	4.47	6.03	9.62	5.51	3.58	3.72	3.09	2.93
5	2.93	5.42	3.61	6.14	4.45	5.24	10.67	4.97	3.55	3.64	3.05	2.87
6	2.92	4.20	3.61	5.76	4.73	4.87	7.52	---	3.51	3.57	3.03	2.84
7	2.91	3.77	3.62	6.12	5.08	4.67	7.86	4.59	3.48	3.51	3.04	2.82
8	2.91	3.59	3.61	9.38	4.77	4.54	16.18	4.46	3.45	3.46	3.02	2.85
9	2.90	3.49	4.02	7.60	4.55	4.43	17.70	4.33	3.42	3.41	3.07	2.83
10	2.90	3.43	6.16	6.24	4.45	4.34	13.20	5.17	3.40	3.37	3.05	2.83
11	2.95	3.40	5.41	6.20	4.48	4.65	7.43	6.35	3.40	3.38	3.09	2.82
12	2.91	3.79	4.53	6.04	4.52	8.11	6.17	5.18	4.64	3.72	3.37	2.80
13	2.89	4.76	4.18	5.83	4.40	9.93	5.73	4.75	4.64	3.71	3.38	2.78
14	2.88	4.34	4.04	5.33	4.28	7.00	5.48	4.53	4.02	3.49	3.16	2.81
15	2.87	3.85	8.67	5.03	4.24	5.62	5.57	4.33	3.78	3.38	3.09	2.90
16	3.01	3.63	11.32	4.87	4.37	6.78	5.52	4.17	3.65	3.89	3.06	2.99
17	3.16	3.53	8.71	4.72	4.79	8.02	5.16	4.06	3.53	4.14	3.02	3.02
18	3.48	3.46	5.73	4.66	4.59	6.66	5.00	3.98	3.46	3.67	2.97	3.05
19	3.30	3.40	5.19	8.68	4.35	5.68	4.93	4.07	3.44	3.50	2.97	3.00
20	3.13	5.08	5.08	13.09	4.27	5.53	4.86	4.01	3.67	3.39	2.95	2.96
21	3.05	6.61	6.06	12.69	4.28	5.92	5.17	3.92	4.37	3.31	2.93	2.95
22	3.00	8.26	6.26	10.13	4.27	6.40	5.12	3.84	4.92	3.26	2.96	2.93
23	2.99	6.75	6.08	6.61	4.21	11.57	---	3.80	5.67	3.22	3.03	2.91
24	3.00	5.05	9.83	6.01	4.08	9.04	---	3.82	6.08	3.18	3.07	2.91
25	3.01	4.65	8.68	5.74	4.52	6.37	---	3.90	5.09	3.17	3.08	2.88
26	2.99	4.43	7.46	5.39	6.18	5.72	---	4.01	5.12	3.14	3.06	2.86
27	2.99	4.16	6.72	5.14	5.59	5.35	---	4.07	7.72	3.13	3.01	2.84
28	3.01	3.99	5.77	4.97	4.86	5.06	---	3.93	6.52	3.10	3.02	2.82
29	2.99	3.88	5.36	4.89	---	4.88	---	3.84	5.48	3.11	3.05	2.80
30	3.26	3.80	5.14	4.86	---	4.97	---	3.79	4.56	3.13	3.05	2.81
31	4.31	---	4.97	4.77	---	10.78	---	3.77	---	3.19	3.01	---
MAX	4.31	8.26	11.32	13.09	6.18	11.57	---	---	7.72	4.20	3.38	3.05
MIN	2.87	3.40	3.61	4.55	4.08	4.34	---	---	3.40	3.10	2.93	2.78

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Texas-Vernon Parish, Louisiana State line, Hydrologic Unit 12010005, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft down-stream from Pearl Creek, 10 mi northeast of Burkeville, 16 mi downstream from Bayou Toro, and at mile 139.7.

DRAINAGE AREA.--7,482 mi².

PERIOD OF RECORD.--September 1955 to current year. Published as "below Toledo Bend near Burkeville" for period 1955-75. Water-quality records.--Chemical and biochemical analyses: May 1968 to September 1986. Pesticide analyses: October 1972 to September 1981.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 60.59 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1958, nonrecording gage at current site. Prior to Jan. 1, 1989, at datum 10.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Toledo Bend Reservoir (station 08025350) 16.8 mi upstream, capacity, 4,660,000 acre-ft. National Weather Service rain gage and gage-height telemeters at gage.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--11 years (water years 1956-66) prior to completion of Toledo Bend Reservoir, 4,653 ft³/s (3,371,000 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1956-66).--Maximum discharge, 52,900 ft³/s May 15, 1957 (gage height, 32.43 ft); minimum, 60 ft³/s Sept. 26-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1860: Flood in May 1884 reached a stage of 45.9 ft, current datum, from information by local resident. Flood of Apr. 15, 1945, reached a stage of 45.8 ft, current datum. Flood of May 23, 1953, reached a stage of 45.3 ft, current datum, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3300	699	3830	7430	14300	8030	15500	14500	4120	24300	506	7350
2	3230	971	3840	7400	14200	9280	15300	15600	3740	20400	2690	7280
3	1730	1680	3750	7380	14200	10200	14500	15600	2810	15400	5270	7360
4	243	2190	3700	7670	14200	11600	15600	14900	2990	14000	5140	7500
5	700	4380	3960	7880	14200	7770	16200	14600	1980	14000	5090	7580
6	1470	3580	3990	7590	14600	6570	15500	14600	498	14100	5280	7480
7	1450	3300	4040	7910	14400	5910	15100	14700	1570	14300	2800	7660
8	1420	3290	3880	8550	14500	7270	21100	14700	2740	14200	549	7610
9	1440	3350	3130	8040	14400	7230	28200	14500	2330	14100	2810	7750
10	912	2720	5290	7890	14400	6840	29400	14800	3120	14200	5380	7810
11	203	2900	1910	6920	14500	7540	24700	14800	3530	14500	5560	7810
12	608	3380	2830	8320	14500	8610	20800	9320	2190	14500	5550	7870
13	1340	2720	4030	11700	14500	8820	20000	7290	484	14500	5670	7810
14	1400	2710	3890	13700	14600	8060	19800	7110	1440	14400	2620	7770
15	1420	2630	5550	14700	14800	7450	19800	7280	3140	14400	406	7750
16	1460	2810	10100	14500	14800	7990	18500	7220	2990	8970	3050	7910
17	969	2660	8890	14300	14800	8250	14900	7210	2830	3150	5400	7870
18	186	2630	8100	14300	14700	8030	14400	4820	3190	644	5470	7790
19	637	2450	7790	14800	14600	7650	14500	4560	1850	3830	5580	7830
20	1450	2850	7680	16700	14700	7910	14500	3640	519	5830	5480	7720
21	1440	3210	7700	17400	14600	11100	14200	4270	1360	5950	5330	7760
22	1370	4160	7760	16500	14800	15100	14500	4580	6630	6010	2820	7920
23	1500	3490	7720	13100	14700	18700	14500	3710	7170	6050	407	7330
24	1030	3760	8330	14700	14500	21400	14500	4020	9210	2620	336	8110
25	208	4660	8470	14800	14600	20700	14500	4230	14300	518	3140	3050
26	490	3780	8250	14800	15200	20100	14400	4280	14500	3480	7000	556
27	1470	4090	7740	14500	15200	19500	14300	3990	14100	5850	7350	444
28	1450	3820	7680	14400	11800	19500	14700	4160	19400	5700	7090	409
29	1490	3740	7520	14600	---	18300	11600	4510	23900	5790	7100	376
30	1510	3750	7490	14300	---	15100	13600	4120	24700	6430	7300	344
31	1220	---	7580	14300	---	14500	---	3840	---	2710	7350	---
TOTAL	38746	92360	186420	371080	405300	355010	509100	267460	183331	304832	135524	189809
MEAN	1250	3079	6014	11970	14470	11450	16970	8628	6111	9833	4372	6327
MAX	3300	4660	10100	17400	15200	21400	29400	15600	24700	24300	7350	8110
MIN	186	699	1910	6920	11800	5910	11600	3640	484	518	336	344
AC-FT	76850	183200	369800	736000	803900	704200	1010000	530500	363600	604600	268800	376500

SABINE RIVER MAIN STEM

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1993#, BY WATER YEAR (WY)

MEAN	1156	1734	5535	8570	9137	9729	8565	8357	6470	4764	3262	2821
MAX	6846	6737	17940	28510	21470	22180	26530	23660	25310	23750	6662	7099
(WY)	1992	1974	1975	1974	1975	1969	1969	1991	1989	1989	1976	1991
MIN	82.5	86.2	247	484	266	485	231	471	400	292	91.7	77.6
(WY)	1968	1968	1968	1968	1968	1968	1971	1967	1970	1967	1967	1967

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1967 - 1993#

ANNUAL TOTAL	2837238		3038972									
ANNUAL MEAN	7752		8326							5827		
HIGHEST ANNUAL MEAN										10730		1975
LOWEST ANNUAL MEAN										548		1967
HIGHEST DAILY MEAN	36300	Mar 8	29400	Apr 10	111000	May	20	1989				
LOWEST DAILY MEAN	186	Oct 18	186	Oct 18	38	Sep	14	1967				
ANNUAL SEVEN-DAY MINIMUM	1050	Oct 8	1050	Oct 8	41	Sep	9	1967				
INSTANTANEOUS PEAK FLOW			29700	Apr 10	116000	May	20	1989				
INSTANTANEOUS PEAK STAGE			34.18	Apr 10	47.45	May	20	1989				
ANNUAL RUNOFF (AC-FT)	5628000		6028000		4222000							
10 PERCENT EXCEEDS	16300		15100		15300							
50 PERCENT EXCEEDS	4210		7430		2940							
90 PERCENT EXCEEDS	1320		1440		243							

Period of regulated streamflow.

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs.25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi northwest of Rosepine.

DRAINAGE AREA.--365 mi².

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft above sea level. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges. Records good. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,000 acre-ft) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Several measurements of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	71	165	398	225	410	747	299	e56	265	20	16
2	12	146	142	333	211	2270	514	1420	e53	197	19	12
3	11	98	125	277	194	2600	399	977	e50	152	16	9.2
4	11	196	112	262	180	2240	1300	535	46	119	14	8.3
5	10	219	126	464	178	1190	1800	395	40	95	14	7.9
6	10	175	118	570	211	777	1480	325	38	77	14	7.6
7	10	148	95	727	223	580	1250	274	36	64	13	7.4
8	11	124	92	1660	215	454	3360	227	33	55	15	7.4
9	12	106	223	1530	197	369	4530	187	30	47	42	7.3
10	11	91	676	1060	186	309	6460	443	28	114	26	7.3
11	21	84	517	847	206	366	4850	536	27	316	19	6.8
12	31	113	344	711	194	830	3060	361	28	62	15	6.6
13	23	186	270	608	182	1430	1450	274	29	56	41	6.9
14	16	152	224	513	168	1260	991	231	30	44	21	7.5
15	14	125	720	429	157	885	934	192	40	39	15	13
16	24	108	1840	361	184	1170	796	154	37	46	13	13
17	46	94	1720	312	271	1790	605	128	32	60	11	13
18	38	83	1270	278	249	1570	485	206	33	51	11	10
19	23	76	941	364	202	1070	405	547	42	42	13	8.8
20	19	235	734	830	173	1160	348	195	67	35	12	9.1
21	16	502	643	1640	162	2480	342	129	177	30	32	8.8
22	16	1130	584	1520	162	2000	300	102	184	27	22	8.3
23	15	1140	526	1090	154	2000	255	94	175	24	29	9.4
24	14	790	736	845	136	2150	221	92	252	22	22	8.0
25	14	632	847	683	186	1790	200	214	424	21	15	7.6
26	13	500	962	535	367	1340	197	140	495	19	14	9.0
27	13	398	1160	416	451	973	182	112	1100	18	17	10
28	13	307	928	343	357	739	154	95	731	17	25	9.4
29	15	241	715	303	---	585	138	e80	529	16	23	10
30	35	196	569	295	---	487	146	e70	362	17	49	9.9
31	66	---	461	249	---	867	---	e62	---	21	22	---
TOTAL	596	8466	18585	20453	5981	38141	37899	9096	5204	2168	634	275.5
MEAN	19.2	282	600	660	214	1230	1263	293	173	69.9	20.5	9.18
MAX	66	1140	1840	1660	451	2600	6460	1420	1100	316	49	16
MIN	10	71	92	249	136	309	138	62	27	16	11	6.6
AC-FT	1180	16790	36860	40570	11860	75650	75170	18040	10320	4300	1260	546
CFSM	.05	.77	1.64	1.81	.59	3.37	3.46	.80	.48	.19	.06	.03
IN.	.06	.86	1.89	2.08	.61	3.89	3.86	.93	.53	.22	.06	.03

e Estimated

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEFINE, LA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1993, BY WATER YEAR (WY)

MEAN	129	311	666	714	919	717	713	679	299	253	170	164
MAX	1114	2418	6006	2741	4220	1901	2402	6181	2628	2665	2286	1698
(WY)	1985	1958	1983	1990	1966	1973	1952	1953	1989	1989	1955	1958
MIN	7.95	13.5	40.1	35.8	138	124	42.9	36.6	15.7	26.2	12.1	9.18
(WY)	1964	1968	1955	1981	1954	1954	1981	1978	1971	1954	1956	1993

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1952 - 1992

ANNUAL TOTAL	140541		147498.5									
ANNUAL MEAN	384		404							476		
HIGHEST ANNUAL MEAN										1265		1983
LOWEST ANNUAL MEAN										102		1981
HIGHEST DAILY MEAN	3530	May 7	6460	Apr 10	49900	Apr 30	1953					
LOWEST DAILY MEAN	10	Oct 5	6.6	Sep 12	5.6	Sep 27	1981					
ANNUAL SEVEN-DAY MINIMUM	11	Oct 2	7.1	Sep 7	5.8	Sep 24	1981					
INSTANTANEOUS PEAK FLOW			6770	Apr 10	64300	May 19	1953					
INSTANTANEOUS PEAK STAGE			20.79	Apr 10	28.38	May 19	1953					
INSTANTANEOUS LOW FLOW			6.6	Sep 11,12,13	4.0	Sep 28,29,30	1981					
INSTANTANEOUS LOW STAGE			3.00	Oct 7								
ANNUAL RUNOFF (AC-FT)	278800		292600		344600							
ANNUAL RUNOFF (CFSM)	1.05		1.11		1.30							
ANNUAL RUNOFF (INCHES)	14.32		15.03		17.71							
10 PERCENT EXCEEDS	973		1130		1080							
50 PERCENT EXCEEDS	170		165		146							
90 PERCENT EXCEEDS	18		12		20							

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.06	3.63	4.29	5.73	4.68	5.75	7.54	5.04	---	4.93	3.19	3.17
2	3.04	4.20	4.13	5.35	4.59	14.16	6.37	10.65	---	4.50	3.18	3.13
3	3.03	3.84	4.01	5.00	4.48	15.50	5.74	8.63	---	4.19	3.15	3.11
4	3.02	4.53	3.92	4.91	4.38	14.07	10.05	6.48	3.41	3.96	3.14	3.10
5	3.01	4.68	4.02	6.09	4.37	9.61	12.24	5.72	3.36	3.79	3.13	3.09
6	3.01	4.40	3.96	6.66	4.59	7.69	10.88	5.30	3.35	3.65	3.14	3.08
7	3.01	4.21	3.80	7.40	4.67	6.71	9.78	4.99	3.33	3.55	3.12	3.07
8	3.02	4.04	3.78	11.66	4.61	6.05	17.21	4.69	3.30	3.48	3.14	3.07
9	3.04	3.90	4.62	11.13	4.50	5.57	19.54	4.43	3.28	3.42	3.38	3.07
10	3.03	3.79	7.19	9.02	4.43	5.20	20.68	5.93	3.26	3.87	3.26	3.07
11	3.17	3.74	6.38	8.02	4.55	5.53	19.76	6.48	3.25	5.15	3.19	3.06
12	3.28	3.95	5.42	7.37	4.48	7.92	16.32	5.52	3.26	3.54	3.16	3.05
13	3.19	4.48	4.96	6.85	4.40	10.71	10.74	4.99	3.27	3.49	3.39	3.06
14	3.10	4.24	4.67	6.37	4.30	9.92	8.70	4.72	3.28	3.39	3.22	3.07
15	3.07	4.05	7.19	5.92	4.23	8.20	8.44	4.47	3.36	3.35	3.17	3.15
16	3.19	3.92	12.43	5.51	4.41	9.49	7.78	4.21	3.34	3.41	3.14	3.15
17	3.43	3.81	11.92	5.22	4.97	12.23	6.84	4.03	3.30	3.52	3.12	3.15
18	3.35	3.73	9.97	5.01	4.83	11.29	6.22	4.48	3.30	3.45	3.12	3.12
19	3.19	3.68	8.47	5.53	4.53	9.07	5.77	6.49	3.37	3.38	3.15	3.10
20	3.13	4.72	7.48	7.90	4.34	9.43	5.44	4.48	3.57	3.32	3.14	3.11
21	3.11	6.31	7.03	11.58	4.27	15.01	5.40	4.04	4.36	3.28	3.31	3.10
22	3.10	9.34	6.73	11.08	4.27	13.05	5.15	3.85	4.41	3.25	3.23	3.10
23	3.09	9.38	6.43	9.16	4.21	13.10	4.87	3.79	4.35	3.23	3.29	3.11
24	3.07	7.75	7.48	8.02	4.09	13.71	4.65	3.78	4.84	3.21	3.23	3.09
25	3.07	6.97	8.03	7.23	4.42	12.24	4.52	4.60	5.88	3.20	3.17	3.08
26	3.06	6.30	8.57	6.48	5.55	10.27	4.49	4.11	6.26	3.19	3.16	3.10
27	3.05	5.74	9.49	5.84	6.04	8.62	4.40	3.91	9.20	3.17	3.18	3.12
28	3.05	5.19	8.41	5.41	5.49	7.50	4.21	3.79	7.46	3.16	3.26	3.11
29	3.08	4.78	7.38	5.16	---	6.74	4.10	---	6.45	3.15	3.24	3.12
30	3.30	4.49	6.65	5.12	---	6.23	4.15	---	5.52	3.17	3.45	3.11
31	3.60	---	6.09	4.83	---	8.11	---	---	---	3.20	3.23	---
MAX	3.60	9.38	12.43	11.66	6.04	15.50	20.68	---	---	5.15	3.45	3.17
MIN	3.01	3.63	3.78	4.83	4.09	5.20	4.10	---	---	3.15	3.12	3.05

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 1992 TO SEPTEMBER 1993

		SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)		
OCT 1992												
09...	1015	440	7.22	18.5	80	8.7	8.6	0.7	66	76		
APR 1993												
14...	0900	93	6.34	19.5	60	70	9.2	4.0	110	560		
DATE		HARD- NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)		
OCT 1992												
09...	33	11	1.4	74	3.7	64	68	4.7	0.1			
APR 1993												
14...	11	3.5	0.63	12	1.4	16	12	9.1	<0.1			
DATE		SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)		
OCT 1992												
09...	18	284	262	0.01	0.31	0.06	0.30	0.61	0.10			
APR 1993												
14...	9.1	72	57	0.02	0.04	0.03	0.87	0.91	0.17			
DATE		ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
OCT 1992												
09...	<1	<1	<1	<1	<1	<1	<1	<1	1	2	<1	

< 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 1992 TO SEPTEMBER 1993

	DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
	OCT 1992 09...	4	4	<1	320	170	3	2	<10	26	<0.1
	DATE	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
	OCT 1992 09...	<0.1	0.01	2	2	<1	<1	6	6	<10	11
	DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
	OCT 1992 09...	<0.1	<100	<0.1	<100	<0.01	<10	<0.01	<10	<0.01	<0.01
	DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
	OCT 1992 09...	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01
	DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
	OCT 1992 09...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10
	DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
	OCT 1992 09...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10
	DATE	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
	OCT 1992 09...	<0.01	<10	<0.5	<500	<0.01	<10	<0.5	<0.5	<0.5	<0.5

< 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage height records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1342: 1953; WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 33.42 ft above National Geodetic Vertical Datum of 1929. Prior to July 8, 1931, nonrecording gage at site 0.8 mi downstream at datum 13.00 ft higher. July 8, 1931, to Oct. 15, 1958, non-recording gage at present site at datum 13.00 ft higher. Oct. 16, 1958, to Sept. 30, 1975, water-stage recorder at present site at datum 13.00 ft higher. Oct. 1, 1975, to Dec. 31, 1988, at present site at datum 10.00 ft higher.

REMARKS.--No estimated daily discharges, records good. Since October 1966, flow regulated by Toledo Bend Reservoir (station 08025350) 58.8 mi upstream. Gage-height telemeter at station.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--43 years (water years 1924-66) prior to completion of Toledo Bend Reservoir, 6,846 ft³/s (4,960,000 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1924-66).--Maximum discharge, 115,000 ft³/s May 19, 1953 (gage height, 38.70 ft, current datum); minimum, 160 ft³/s Sept. 29, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, 43.5 ft Apr. 23 or 24, 1913, from information by Gulf, Colorado, and Santa Fe Railway Co. and local residents. Flood in May 1884 reached a stage of 39 ft. Floods occurring about 1844 and 1860 were higher than flood in May 1884, from information by local residents. All flood data referenced to current datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3560	1440	3960	7530	15300	12000	17000	14500	4760	23600	2780	7430
2	3320	1200	3980	7310	15200	15600	17200	16500	4880	23000	1010	7390
3	3180	1510	3920	7190	15100	17300	16700	17800	4220	19800	3630	7330
4	1840	2000	3840	7150	15100	16700	17800	17000	3640	15900	5590	7370
5	707	2870	3720	7650	15000	14000	20000	15900	3650	14700	5490	7380
6	788	4000	3860	7840	15200	10500	19400	15400	2200	14500	5530	7320
7	1470	3530	3880	7970	15500	7970	18500	15200	1130	14400	5610	7380
8	1520	3370	3870	10600	15400	8380	23800	15300	2360	14500	2640	7430
9	1510	3310	3970	10900	15400	8760	29300	15200	3320	14400	943	7300
10	1510	3380	4620	9690	15300	8640	30800	15600	3070	14300	3790	7410
11	1140	2860	5480	8920	15400	8260	31200	16800	3810	16300	5710	7420
12	575	3150	2580	7820	15500	10100	29100	14700	3950	15500	5810	7380
13	742	3400	3330	10100	15400	11700	25500	9880	2280	14800	5880	7500
14	1420	3090	4100	11700	15400	11300	22300	8350	997	14700	5760	7570
15	1510	2960	4990	13800	15500	10100	21200	8110	2300	14600	2560	7420
16	1570	2830	11500	14400	15700	10200	20800	8060	3610	13400	874	7480
17	1610	2870	12500	14200	15800	12200	18800	7940	3510	8650	3830	7520
18	1270	2790	10500	14200	15800	11500	16300	7180	3370	3390	5620	7510
19	609	2750	9040	14400	15600	10600	15600	7050	3680	1380	5740	7520
20	766	2920	8330	16500	15600	9910	15500	6560	2460	4740	5720	7560
21	1490	4060	8040	20100	15600	11500	15300	5210	2150	6260	5800	7400
22	1510	5720	7970	20000	15600	16400	15100	5240	3920	6350	5540	7610
23	1470	6250	7900	18100	15600	19400	15200	5220	8000	6400	2690	7630
24	1530	4980	8150	16200	15400	22100	15100	4900	11400	6370	901	7030
25	1210	4950	8990	16600	15500	22800	15000	5470	13800	2730	692	7020
26	548	5100	9200	16400	16400	22100	15000	5580	15800	1030	4250	2670
27	592	4430	9040	16100	16800	21300	14800	5320	16600	4200	7120	974
28	1380	4390	8670	15700	16000	20600	14800	5020	16900	6100	7370	749
29	1450	4130	8230	15600	---	20300	14800	5290	20500	6060	7210	675
30	1530	4000	7850	15600	---	18800	12200	5430	22900	6290	7280	598
31	1630	---	7620	15400	---	16900	---	4810	---	6570	7450	---
TOTAL	44957	104240	203630	395670	435100	437920	574100	310520	195167	334920	140820	190976
MEAN	1450	3475	6569	12760	15540	14130	19140	10020	6506	10800	4543	6366
MAX	3560	6250	12500	20100	16800	22800	31200	17800	22900	23600	7450	7630
MIN	548	1200	2580	7150	15000	7970	12200	4810	997	1030	692	598
AC-FT	89170	206800	403900	784800	863000	868600	1139000	615900	387100	664300	279300	378800

SABINE RIVER MAIN STEM

08028500 SABINE RIVER NEAR BON WIER, TX--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1993#, BY WATER YEAR (WY)

MEAN	1679	2490	6885	10120	11000	11350	10140	9568	7481	5668	3789	3295
MAX	7315	8913	21420	30930	23200	24470	27370	28150	26340	31490	7288	8247
(WY)	1992	1987	1983	1974	1975	1992	1969	1991	1989	1989	1976	1991
MIN	188	217	822	1000	746	1288	634	1186	663	621	211	206
(WY)	1968	1968	1981	1981	1968	1981	1971	1971	1970	1967	1967	1967

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1967 - 1993#

ANNUAL TOTAL	3238297		3368020			
ANNUAL MEAN	8848		9227		6937	
HIGHEST ANNUAL MEAN					12670	1975
LOWEST ANNUAL MEAN					1172	1967
HIGHEST DAILY MEAN	39400	Mar 9	31200	Apr 11	98000	Jul 4 1989
LOWEST DAILY MEAN	548	Oct 26	548	Oct 26	134	Nov 9 1966
ANNUAL SEVEN-DAY MINIMUM	1170	Oct 23	1170	Oct 23	142	Nov 3 1966
INSTANTANEOUS PEAK FLOW			31400	Apr 11	98200	Jul 4 1989
INSTANTANEOUS PEAK STAGE			32.90	Apr 11	37.90	Jul 4 1989
ANNUAL RUNOFF (AC-FT)	6423000	6680000	5025000			
10 PERCENT EXCEEDS	19700	16900	17000			
50 PERCENT EXCEEDS	4910	7500	3920			
90 PERCENT EXCEEDS	1530	1510	721			

Period of regulated streamflow.

SABINE RIVER MAIN STEM

08030500 SABINE RIVER NEAR RULIFF, TX
(Radiochemical and national stream-quality accounting network)

LOCATION.--Lat 30°18'13", long 93°44'37", Calcasieu Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, at downstream side of bridge on State Highway 12, 2.4 mi north of Ruliff, 4.2 mi upstream from the Kansas City Southern Railway Co. bridge, 4.5 mi downstream from Cypress Creek, and at mile 40.2.

DRAINAGE AREA.--9,329 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1924 to current year.

REVISED RECORDS.--WSP 1282: 1941(M), 1942. WSP 1442: 1925-29, 1937-39, 1943. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5.92 ft below National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1941, nonrecording gage at Kansas City Southern Railway Co. bridge, 4.2 mi downstream and at datum 7.98 ft higher than current datum. Mar. 1, 1941, to Dec. 8, 1948, nonrecording gage at present site and at datum 10.00 ft higher than current datum. Dec. 9, 1948, to Dec. 31, 1989, recording gage at present site and at datum 10.00 ft higher than current datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow is partly regulated by Toledo Bend Reservoir (station 08025350) 116.3 mi upstream. Gage-height telemeter at station.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--42 years (water years 1925-66) prior to completion of Toledo Bend Reservoir, 8,422 ft³/s (6,102,000 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION (WATER YEARS, 1925-66).--Maximum discharge, 121,000 ft³/s May 22, 1953, (gage-height, 29.98 ft, current datum); minimum, 270 ft³/s Sept. 27-30, Oct. 1-3, 17-20, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1835, 32.2 ft in May or June 1884 (adjusted to present site and datum on basis of slope of flood of June 8, 9, 1950); flood of Apr. 26-29, 1913, reached a stage of 29.5 ft, present site and datum, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2620	e1650	5340	11800	e16100	17600	18000	14500	6430	19100	6380	7250
2	3260	e1530	4980	11100	15800	19900	17200	15200	5980	19700	6100	7410
3	3370	e1320	4770	10600	15700	21700	16600	16000	5690	20500	3840	7520
4	3340	e1330	4740	10400	15600	25400	17500	16600	5350	20600	2800	7560
5	3020	e1690	4670	10300	15500	27500	17900	17000	4530	19600	4090	7570
6	1790	e2130	4490	10400	15500	25400	18500	16800	4010	17800	5110	7610
7	1160	e2630	4410	12000	15400	21700	20700	16200	3440	16200	5500	7630
8	1440	e3120	4440	13900	15400	18300	26000	15600	2290	15000	5660	7630
9	1670	e3330	4760	15300	15500	15400	27800	15100	1950	14200	5180	7640
10	1690	e3400	5580	16400	15800	13000	30000	15100	2780	13900	3110	7630
11	1710	3420	6200	16900	16000	11600	34200	15100	3070	13600	2550	7580
12	1630	3330	7010	16800	16000	10800	36100	15300	3220	13500	4140	7580
13	1220	3140	6910	15900	15900	10500	34100	15100	3580	13500	5220	7580
14	947	e3350	5460	e14600	15800	10900	30400	15400	3400	13700	5670	7630
15	1250	e3220	5750	e13600	15800	11800	26500	14600	2250	13900	5850	7670
16	1600	e3090	7740	e13500	16300	12700	23300	12900	1800	14000	5280	7690
17	1700	e3050	10200	e13900	16200	12800	21000	11400	2800	13900	3010	7650
18	1730	2980	11200	14600	16100	12700	19600	10300	3350	13700	2380	7650
19	1710	2930	16600	15400	16100	12900	18600	9650	3460	12600	4000	7680
20	1290	3090	18500	17300	16300	13400	17500	8990	4820	9050	5060	7640
21	978	3400	18400	18900	16300	13500	16600	8530	7380	5900	5560	7640
22	1290	4800	17000	19500	16000	13200	15900	8030	10100	5810	5730	7620
23	1590	6690	15200	21200	15900	14200	15400	7210	12800	6280	5790	7610
24	1600	7970	13600	23000	15800	15600	15200	6660	13500	6590	5210	e7740
25	1610	8880	12700	e22900	16400	17100	15100	6230	13800	6710	3010	e7230
26	1610	8720	12500	e20200	17000	19000	14600	6120	15300	6220	1640	e7380
27	1190	8000	12800	e18400	17100	20900	14600	6320	16900	3840	2120	e6060
28	868	7240	13200	e17400	17100	21300	14800	6460	19200	2990	4460	e2700
29	1100	6480	13200	17100	---	20600	14500	6310	20300	4540	5970	e1580
30	1440	5840	13000	e16500	---	19600	14500	6100	19600	5620	6680	1100
31	e1580	---	12500	e16300	---	18800	---	6310	---	6060	7060	---
TOTAL	53003	121750	297850	486100	448400	519800	622700	361120	223080	368610	144160	208460
MEAN	1710	4058	9608	15680	16010	16770	20760	11650	7436	11890	4650	6949
MAX	3370	8880	18500	23000	17100	27500	36100	17000	20300	20600	7060	7740
MIN	868	1320	4410	10300	15400	10500	14500	6100	1800	2990	1640	1100
AC-FT	105100	241500	590800	964200	889400	1031000	1235000	716300	442500	731100	285900	413500

e Estimated

SABINE RIVER MAIN STEM

08030500 SABINE RIVER NEAR RULIFF, TX--Continued
(Radiochemical and national stream-quality accounting network)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1993#, BY WATER YEAR (WY)

MEAN	2393	3252	8454	12090	12710	13210	12140	10760	8933	6829	4378	3839
MAX	7222	11850	22070	32800	27990	27480	33240	29510	26240	42320	7982	10530
(WY)	1992	1987	1983	1974	1974	1969	1969	1991	1989	1989	1975	1973
MIN	292	327	1366	1422	1559	2287	1030	1505	1428	805	382	333
(WY)	1968	1968	1981	1981	1968	1981	1971	1971	1970	1967	1967	1967

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1967 - 1993#

ANNUAL TOTAL	3409063		3855033			
ANNUAL MEAN	9314		10560		8229	
HIGHEST ANNUAL MEAN					14210	1975
LOWEST ANNUAL MEAN					1959	1967
HIGHEST DAILY MEAN	44900	Mar8	36100	Apr 12	108000	Jul 6 1989
LOWEST DAILY MEAN	868	Oct 28	868	Oct 28	278	Oct 28 1967
ANNUAL SEVEN-DAY MINIMUM	1340	Oct 27	1340	Oct 27	282	Oct 9 1967
INSTANTANEOUS PEAK FLOW			36600	Apr 12	109000	Jul 6 1989
INSTANTANEOUS PEAK STAGE			25.29	Apr 12	29.15	Jul 6 1989
ANNUAL RUNOFF (AC-FT)	6762000		7646000		5962000	
10 PERCENT EXCEEDS	17800		18900		18900	
50 PERCENT EXCEEDS	6770		9050		5040	
90 PERCENT EXCEEDS	2170		2050		1200	

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 1993

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (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	1966-93	1-22-93	42.14	1,110
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	1966-93	2-16-93	13.10	7,560
07352400	Kepler Creek at Sparta, La.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, and 0.8 mi west of Sparta.	21.1	1954-68, 1974-93	6-24-93	44.18	1,210
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	1966-93	4- 7-93	21.69	2,620
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	1966-93	1-18-93	44.37	2,400
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	1966-93	4- 8-93	7.19	133
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	1966-93	4- 8-93	42.75	3,080
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	1968-93	4- 8-93	10.27	445
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	1984-93	4- 8-93	37.72	2,970
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, 1974-93	4- 8-93	9.94	1,430

See footnotes at end of table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 1993--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	1965-93	4- 8-93	43.66	1,390
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	1966-93	1-22-93	b23.75	4,420
07375307	Terrys Creek near Kentwood, La.	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 5.1 mi northeast of Kentwood.	52.0	1966-93	1-22-93	14.40	19,600
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 (0.8 km) southwest of Grangeville	741	1951-63, 1964-82, 1993	1-21-93	c31.27	(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	1976-93	1-20-93	b90.34	4,660
0377300	Amite River at Magnolia, La.	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mi (0.6 km) east of Magnolia.	884	1949-82 1993	1-21-93	b49.08	59,600
MERMENTAU RIVER BASIN							
08011800	Castor Creek near Oberlin, La.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on Parish road 0.1 mi upstream from Mulberry Creek, and 8.5 mi east of Oberlin.	43.9	1964-93	4-10-93	47.39	(d)
CALCASIEU RIVER BASIN							
08013610	Whisky Chitto Creek tributary near Leesville, La.	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, and 3.2 mi upstream from mouth.	0.32	1966-93	4- 7-93	10.20	497
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, 1975-93	1-23-93	18.60	973
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, 1974-93	1-20-93	11.64	2,270
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	1967-93	1-20-93	5.21	311

a Approximately.

b Elevation; sea level.

c Operated as a flood profile gage.

d Discharge not determined.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

The following table contains annual maximum elevation for flood-profile stations. A flood-profile gage is a device which will register the peak elevation occurring between inspections. The date of the maximum elevation is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Where two or more sites on the same stream have annual peaks caused by different floods, all floods are listed for each site. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1993

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, 1973-93	1-22-93	105.28
RED RIVER BASIN						
07348010	Twelvemile Bayou below Dixie, La.	Lat 32°36'25", long 93°48'35", Caddo Parish, at bridge on U.S. Highway 71, and 6.0 mi southeast of Dixie.	(a)	1979-85b, 1986-93c	12-23-92	158.29
07349365	Macks Bayou at Bossier City, La.	Lat 32°31'59", long 93°40'24", Bossier Parish, at bridge on U.S. Highway 80, and 3.3 mi northeast of Bossier City Post Office.	(a)	1963-86, 1990-93	4-8-93	157.90
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)	1963-93	1993	<149.6
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	1960-93	4-8-93	181.29
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	1960-93	4-8-93	160.81
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, 1986-93c	12-25-92	106.20
07352410	Kepler Lake near Castor, La.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, and 5.0 mi north of Castor.	46.2	1960-65d, 1966-93	10-20-92	177.54
07354740	Old River at Montrose, La.	Lat 31°34'25", long 92°59'40", Natchitoches Parish, at bridge on State Highway 1 at Montrose.	471	1960-86, 1990-93	1993	<95.0
07355475	Bayou Rapides near Alexandria, La.	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on Parish Road 1202, 12.2 mi upstream from mouth, and 6.9 mi west of Alexandria city hall.	(e)	1963-86, 1990-93	4-8-93	78.18
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, 1986-93c	4-23-93	g19.47
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	1979-93b	4-22-93	67.03
07366270	Bayou D'Arbonne Lake west of Farmerville, La.	Lat 32°47'07", long 92°27'25", Union Parish, on downstream side of bridge on State Highway 2, and 3.1 mi west of Farmerville.	(e)	1979-86, 1990-93	4-11-93 6-26-93	82.21 84.20

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 1993--Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
RED RIVER BASIN--Continued						
07366365	Bayou D'Arbonne below dam, near Downsville, La.	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, and 7.4 mi northeast of Downsville.	1,607	1978-93	4-11-93 6-26-93	69.02 68.93
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)	1978-93	4- 8-93	g35.43
07367500	Cheniere Brake near Bawcomville, La.	Lat 32°27'10", long 92°11'29", Ouachita Parish, on downstream side of bridge on State Highway 3033, and 1.5 mi southwest of Bawcomville.	147	1944-45b, 1978-86, 1990-93	1993	g<38.2
07367502	Cheniere Creek south of Bawcomville, La.	Lat 32°26'22", long 92°10'20", Ouachita Parish, on downstream side of bridge on State Highway 34, and 1.5 mi south of Bawcomville.	(a)	1978-86, 1990-93	1993	g<33.8
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, 1986-93c	4-11-93	58.98
07368810	Bayou Galion west of Oak Ridge, La.	Lat 32°37'35", long 91°50'19", Morehouse Parish, on downstream side of bridge on State Highway 134, and 3.7 mi west of Oak Ridge.	(a)	1979-86, 1990-93	4- 8-93	g44.34
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)	1978-93	4- 8-93 6-22-93	61.10 57.40
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)	1978-93	4- 8-93 6-22-93	59.00 59.47
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, 1986-93c	4-11-93	59.30
07369455	Brushy Bayou at Tallulah, La.	Lat 32°23'52", long 91°11'57", Madison Parish, at bridge on U.S. Highway 65, at Tallulah.	(a)	1975-80b, 1981-93	6-22-93	73.37
07369457	Lower Roundaway Bayou tributary near Tallulah, La.	Lat 32°22'33", long 91°11'57", Madison Parish, near center of bridge on U.S. Highway 65, and 1.5 mi south of Tallulah.	(a)	1975-80b, 1981-93	6-22-93	72.94
07369460	Roundaway Bayou near Tallulah, La.	Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, and 1.5 mi southwest of Tallulah.	28	1954-59d, 1978-93	6-22-93	72.72
07369468	Panola Bayou at Tallulah, La.	Lat 32°25'02", long 91°12'24", Madison Parish, at bridge on U.S. Highway 80, and 0.2 mi northwest of Tallulah.	(a)	1978-80b, 1981-93	6-22-93	74.01
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, 1986-93c	6-27-93	71.21
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, 1986-93c	4-12-93	j,g37.05

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 1993--Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
BAYOU BATON ROUGE BASIN						
07373965	South Canal near Baker, La.	Lat 30°37'00", long 91°08'56", East Baton Rouge Parish, at bridge on McHugh Road, 1.4 mi upstream from Cypress Bayou, and and 2.3 mi northeast of Baker.	(a)	1972-82b, 1983-87d, 1988-93	1-20-93	79.16
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, 1971-93b	1993	(k)
MONTE SANO BAYOU BASIN						
07373993	Monte Sano Bayou at Ryan Airport, at Baton Rouge, La.	Lat 30°32'08", long 91°09'32", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 mi north of Baton Rouge Post Office.	(a)	1975-93	1-20-93	58.35
07373996	Monte Sano Bayou at Baton Rouge, La.	Lat 30°30'10", long 91°10'12", East Baton Rouge Parish, at bridge on U.S. Highway 61 at Baton Rouge.	(a)	1975-93	1-20-93	42.14
MISSISSIPPI RIVER DELTA						
07377215	Little Sandy Creek near Milldale, La.	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi north of Milldale.	(a)	1975-93	1-20-93	112.77
07377240	Little Sandy Creek near Greenwell Springs, La.	Lat 30°37'36", long 90°59'20", East Baton Rouge Parish, at bridge on State Highway 409, 3.4 mi north of the village of Greenwell Springs, La.	28.2	1974-85b, 1986-93	1-20-93	67.01
07377250	Sandy Creek near Greenwell Springs, La.	Lat 30°36'08", long 90°59'37", East Baton Rouge Parish, at bridge on State Highway 37, 1.5 mi north of village of Greenwell Springs, La.	(a)	1982-93b	1993	(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)	1972-84b, 1986-87d, 1988-93	1-20-93	78.46
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, 1977-93	1-20-93	91.53
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)	1962-93	1-20-93	69.39
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)	1972-84b, 1986-87d, 1988-93	1-20-93	g16.02
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, 1971-93	1993	<65.2
07377900	Cypress Bayou at Plank Road, near Baton Rouge, La.	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 mi northeast of Baton Rouge Post Office.	(a)	1962-65, 1967-93	1-20-93	53.47
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.	(a)	1962-93	1-20-93	53.00

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS
Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 1993--Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
07377933	Blackwater Bayou near Fred, La.	Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, 3.8 mi northeast of Baton Rouge Post Office.	(a)	1975-93	1-20-93	73.15
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	1962-93	1-20-93	52.67
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)	1967-93	1-20-93	47.95
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)	1962-93	1993	(k)
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)	1967-93	1-20-93	48.55
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)	1962-93	1993	(k)
07378050	Comite River at Greenwell Springs Road, near Baton Rouge, La.	Lat 30°30'20", long 90°02'24", East Baton Rouge Parish, at bridge on Greenwell Springs Road, 9.4 mi northeast of Baton Rouge Post Office.	(a)	1981-88b, 1989-93	1993	(k)
07378075	Beaver Bayou at Denham Road, near Baton Rouge, La.	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi northeast of Baton Rouge Post Office.	(a)	1972-93	1-20-93	70.74
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)	1983-93	1-20-93	60.03
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	1972-93	1-20-93	57.59
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)	1967-93	1-20-93	46.66
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)	1962-93	1-20-93	44.15
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)	1967-93	1-20-93	39.92
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)	1967-93	1-20-93	38.05
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)	1967-93	1-20-93	36.53

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 1993--Continued

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (sea level)
MISSISSIPPI RIVER DELTA--Continued						
07378650	Jones Creek at Old Hammond Highway, near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 mi east of Baton Rouge Post Office.	(a)	1962-93	1-20-93	35.57
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)	1967-93	1-20-93	42.16
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	1967-93	1-20-93	28.80
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)	1967-93	1-20-93	27.08
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)	1967-93	1-20-93	21.60
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)	1962-93	1993	(k)
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.	(a)	1962-66, 1969-93	1-20-93	17.12
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)	1967-93	1-20-93	14.16
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	1954-67b, 1969-73c, 1975-93b	1-20-93 4-14-93	40.18 40.80
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)	1970-93	1993	(k)
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.	(a)	1963-70, 1975-93	1-20-93 4-14-93	24.09 25.34
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.	(a)	1968-93	1-20-93	37.72
07379100	North Branch Ward Creek at Baton Rouge, La.	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 mi southeast of Baton Rouge Post Office.	(a)	1962-93	1-20-93	28.34
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)	1962-93	1-20-93	g18.41

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 1993--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						
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	1971-93	4-14-93	25.08
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.	1.31	1971-93b	4-14-93	22.62
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	1971-93	1993	(k)
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, 1971-93b	1-20-93	m23.46
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)	1962-93	1-20-93	23.06
07380000	Ward Creek at Siegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mi downstream from Dawson Creek, and 8.5 mi southeast of Baton Rouge Post Office.	40.0	1947-53b, 1955-68d, 1972-93b	1-20-93, 4-14-93	20.74, 14.22
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)	1963-93	11-2-92	8.94
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)	1963-93	11-2-92, 1-22-93	9.68, 9.29
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)	1963-93	11-2-92, 1-22-93	<7.4, 7.71
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)	1986-93b	4-8-93	6.51
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, 1990-93	1993	<67.6
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	1946-75h, 1976-85b, 1986-93c	5-4-93	29.16
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, 1990-93	1993	<75.3

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 1993--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						
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 1990-93	4- 8-93	68.24
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, 1990-93	4- 8-93	68.21
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, 1990-93	1993	<64.5
07383510	Bayou des Glaives 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, 1986-93c	4- 9-93	g16.34
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)	1947-85b, 1986-93c	1-20-93	g21.77
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)	1985-93c	1-20-93	g13.48
07386201	Bayou Fusilier below weir near Arnaudville, La.	Lat 30°23'57", long 91°56'43", St. Landry Parish, on right bank 150 ft downstream of weir and 200 ft downstream of base gage (07386200), one mi west of Arnaudville and one mi downstream from point of diversion from Bayou Teche.	(a)	1986-93c	1993	(k)
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)	1959-85b, 1986-93c	1-27-93	11.94

< 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.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge Measurements Made at Miscellaneous Sites During Water Year 1993

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA						
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, 1988-93	10-13-92 11- 9-92 12-15-92 1-15-93 2- 8-93 3- 9-93 4-12-93 5-10-93 6- 5-93 7-13-93 8-11-93 9-13-93	22 34 33 66 36 36 77 33 49 32 30 26
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, 1988-93	10-13-92 11- 9-92 12-15-92 1-15-93 2- 8-93 3- 9-93 4-12-93 5-10-93 6-15-93 7-13-93 8-11-93 9-13-93	15 20 28 47 22 27 58 16 19 20 17 14
Bayou Des Allemands	Lake Salvador	Lat 29°49'22", long 90°28'36" St. Charles-Lafourche Parish line at bridge on U.S. Highway 90 in Des Allemands.	---	1992-93	10- 4-92 12-17-92 2-10-93	3370 4710 5570
Blind River	Pass Manchac	Lat 30°06'00", long 90°44'07" St. James Parish, at bridge on U.S. Highway 61 2.5 mi north-west of Gramercy	---	1992-93	10-15-92 12-16-92 2- 9-93	110 253 44
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	1992-93	10-15-92 11-10-92 12-16-92 1-14-93 3-10-93 4-14-93 5-12-93 6-14-93 7-14-93 8-11-93 9-15-93	46 497 1170 934 662 1670 575 0.0 59 46 120
Bayou Segnette	Bayou Bardeaux	Lat 29°53'61", long 90°09'24" Jefferson Parish, at the Jean Lafitte National Park boat launch, 0.25 mi from source of Bayou Segnette.	---	1992-93	11-11-93 1-19-93 3-10-93	244 0.0 4.0
Bayou Lacombe	Lake Pontchartrain	Lat 30°18'49", long 89°56'07" St. Tammany Parish, at U.S. Highway 190 Bridge in Lacombe.	---	1992-93	11-12-93 1-29-93 3-11-93	238 106 35
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.	---	1992-93	11-12-92 1-29-93 3-11-93 5-11-93 7-13-93 9-14-93	278 0.70 0.30 34 47 0.30

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 1993--Continued

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.	---	1992-93	11-12-92	127
					1-29-93	0.0
					3-11-93	0.42
					5-11-93	1.40
					7-13-93	28
					9-14-93	0.0
Tickfaw River	Lake Maurepas	Lat 30°26'07", long 90°40'39" Livingston Parish, at bridge on State Highway 42 in Springfield.	---	1992-93	11-10-92	662
					1-13-93	1830
					3-10-93	823
					5-11-93	1100
					7-22-93	343
					9-15-93	257
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.	---	1992-93	11- 9-93	4.7
					1-13-93	96
					3-10-93	35
					5-11-93	221
					7-13-93	29
					9-15-93	101

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 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1991					
01...	1105	248000	70	46900	100
10...	1225	226000	89	54300	99
25...	1040	195000	88	46300	98
NOV					
06...	1210	378000	267	273000	96
22...	1200	383000	223	231000	91
DEC					
06...	1050	624000	314	529000	86
18...	1155	1110000	295	884000	72
JAN 1992					
03...	1255	751000	179	363000	83
17...	0930	737000	173	344000	76
31...	1305	483000	155	202000	85
FEB					
19...	1220	418000	167	188000	95
28...	1155	569000	144	221000	79
MAR					
13...	1115	684000	202	373000	80
27...	1125	896000	197	477000	76
APR					
10...	1215	723000	238	465000	71
24...	1055	500000	156	211000	86
MAY					
13...	1120	593000	244	391000	85
22...	1030	517000	123	172000	86
JUN					
05...	1105	379000	117	120000	91
19...	1100	535000	191	276000	91
JUL					
02...	1100	456000	120	148000	89
17...	1040	413000	120	134000	91
AUG					
14...	1120	737000	452	899000	93
28...	1210	482000	649	845000	97

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL, ABOVE SIMMESPORT, LA (CE 04800)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1991					
11...	1215	21000	42	2380	98
NOV					
08...	1230	134000	754	273000	70
DEC					
05...	1300	157000	590	250000	62
JAN 1992					
10...	1145	151000	577	235000	60
FEB					
06...	1115	134000	489	177000	54
20...	1155	181000	639	312000	48
MAR					
06...	1235	167000	518	234000	54
20...	1120	167000	394	178000	56
APR					
03...	1155	117000	169	53400	64
23...	1225	76000	163	33400	76
MAY					
06...	1150	65000	148	26000	97
21...	1210	23000	105	6520	99
JUN					
04...	1210	54000	358	61900	90
17...	1200	118000	433	138000	78
JUL					
10...	1200	85000	306	70200	84
23...	1125	66000	196	34900	97
AUG					
21...	1220	35000	82	7750	100

GROUND-WATER LEVELS

ACADIA PARISH

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 2 IN., DEPTH 202 FT, SCREENED 192-202. MP* TOP OF 6-IN. CASING, 1.15 FT ABOVE LSD.

LSD 25.8 FT ABOVE NGVD.

HIGHEST WATER LEVEL 48.61 BELOW LSD, MAR. 14, 1965,

LOWEST WATER LEVEL 83.93 BELOW LSD, JULY 5, 1969.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1992	66.56	FEB. 22, 1993	65.35	MAY 19, 1993	62.61	JULY 22, 1993	69.32

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,363 FT, SCREENED 1,358-1,363. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.

LSD 24.55 FT ABOVE NGVD.

HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970,

LOWEST WATER LEVEL 68.31 BELOW LSD, JULY 22, 1993.

RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1992	60.40	FEB. 22, 1993	63.52	MAY 19, 1993	61.08	JULY 22, 1993	68.31

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 907 FT, SCREENED 902-907. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.

LSD 24.55 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.59 BELOW LSD, MAR. 5, 1968,

LOWEST WATER LEVEL 62.45 BELOW LSD, AUG. 21, 1974.

RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1992	56.29	FEB. 22, 1993	53.26	MAY 19, 1993	51.55	JULY 22, 1993	59.06

ALLEN PARISH

303004092541101 LOCAL WELL NUMBER: AL-241

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 6S., R. 5W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 62 FT, SCREENED 59-62. MP TOP OF 1 1/4-IN PIPE, 4.00 FT ABOVE LSD.

LSD 42.97 FT ABOVE NGVD.

HIGHEST WATER LEVEL 23.84 BELOW LSD, MAR. 21, 1961,

LOWEST WATER LEVEL 34.26 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1957-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1992	31.25	FEB. 23, 1993	31.18	MAY 18, 1993	32.22	JULY 22, 1993	24.12

GROUND-WATER LEVELS

ALLEN PARISH--Continued

303118092493901 LOCAL WELL NUMBER: AL-269

OWNER: QUATRE PARISH COMPANY. (SEC. 24, T. 6S., R. 5W.) DRILLED DOMESTIC ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 4 IN., DEPTH 660 FT, MP 1/2 IN HOLE IN SANITARY SEAL, 1.38 FT ABOVE LSD.

LSD 45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 50.55 BELOW LSD, JULY 22, 1993,

LOWEST WATER LEVEL 54.57 BELOW LSD, MAY 18, 1993.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1993	52.59	MAY. 18, 1993	54.57	JULY 22, 1993	50.55		

ASCENSION PARISH

301544090543901 LOCAL WELL NUMBER: AN-267

OWNER: CITY OF GONZALES. (SEC. 16, T. 9S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 10 IN., DEPTH 488 FT, SCREENED 388-488. MP VALVE ON HORIZONTAL PIPE, 3.83 FT ABOVE LSD.

LSD 7 FT ABOVE NGVD.

HIGHEST WATER LEVEL 5.60 ABOVE LSD, APR. 6, 1990,

LOWEST WATER LEVEL 3.00 ABOVE LSD, DEC. 3, 1991, FEB. 20, 1992.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1992	+4.60	MAR. 8, 1993	+4.60	MAY 6, 1993	+4.80	JULY 29, 1993	+4.30

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 NGVD.

HIGHEST WATER LEVEL 33.78 BELOW LSD, JUNE 30, 1975,

LOWEST WATER LEVEL 41.90 BELOW LSD, NOV. 5, 1993.

RECORDS AVAILABLE 1966-79, 1985-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1992	41.90	JAN. 4, 1993	36.26	APR. 6, 1993	35.42	JULY 8, 1993	35.20

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 365-370. MP TOP OF BUSHING, 3.35 FT ABOVE LSD.

LSD 95 FT ABOVE NGVD.

HIGHEST WATER LEVEL 55.02 BELOW LSD, JULY 18, 1973,

LOWEST WATER LEVEL 67.49 BELOW LSD, MAR. 4, 1981.

RECORDS AVAILABLE 1966-84, 1986-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1992	62.77	JAN. 4, 1993	63.93	APR. 7, 1993	65.34	JULY 8, 1993	60.79

See footnotes at end of table.

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 THE PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 45 FT, SCREENED 42-45. MP TOP OF CASING, AT LSD.

LSD 45.6 FT ABOVE NGVD.

HIGHEST WATER LEVEL 0.10 ABOVE LSD, MAR. 15, 1973,

LOWEST WATER LEVEL 13.00 BELOW LSD, OCT. 27, 1983.

RECORDS AVAILABLE 1968-76, 1980-85, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1992	9.56	JAN. 4, 1993	5.69	APR. 7, 1993	4.14	JULY 8, 1993	6.80

BEAUREGARD PARISH

303644093020401

LOCAL WELL NUMBER: BE-430

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 5S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 123 FT, SCREENED 118-123. MP TOP OF 2-IN. GALV. PIPE, 3.00 FT ABOVE LSD.

LSD 120 FT ABOVE NGVD.

HIGHEST WATER LEVEL 57.80 BELOW LSD, APR. 22, 1992,

LOWEST WATER LEVEL 61.40 BELOW LSD, MAR. 7, 1979.

RECORDS AVAILABLE 1974-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1992	58.27	FEB. 23, 1993	57.95	MAY 18, 1993	58.44	JULY 22, 1993	60.25

305018093251301

LOCAL WELL NUMBER: BE-443

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 164 FT, SCREENED 159-164. MP TOP OF 2-IN. GALV. PIPE, 2.40 FT ABOVE LSD.

LSD 206 FT ABOVE NGVD.

HIGHEST WATER LEVEL 33.16 BELOW LSD, APR. 8, 1992,

LOWEST WATER LEVEL 37.47 BELOW LSD, NOV. 7, 1978.

RECORDS AVAILABLE 1974-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	35.72	JAN. 5, 1993	35.01	APR. 8, 1993	33.91	JULY 28, 1993	35.38

BIENVILLE PARISH

323505092535001

LOCAL WELL NUMBER: BI-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 630 FT, SCREENED 620-630. MP TOP OF CASING, 2.85 FT ABOVE LSD.

LSD 320 FT ABOVE NGVD.

HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970,

LOWEST WATER LEVEL 233.54 BELOW LSD, OCT. 3, 1990.

RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1992	232.07	JAN. 4, 1993	232.22	APR. 23, 1993	231.01	JULY 6, 1993	233.11

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 SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 472 FT, SCREENED 462-472. MP TOP OF BUSHING, 0.20 FT ABOVE LSD. LSD 260 FT ABOVE NGVD.

HIGHEST WATER LEVEL 155.21 BELOW LSD, APR. 28, 1975,

LOWEST WATER LEVEL 176.80 BELOW LSD, JULY 6, 1993.

RECORDS AVAILABLE 1975-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	176.28	JAN. 6, 1993	174.44	APR. 23, 1993	174.44	JULY 6, 1993	176.80

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 CASING, 2.5 ABOVE LSD. LSD 200 FT ABOVE NGVD.

HIGHEST WATER LEVEL 6.49 BELOW LSD, DEC. 13, 1983,

LOWEST WATER LEVEL 17.53 BELOW LSD, NOV. 2, 1988.

RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1992	14.07	JAN. 4, 1993	13.24	APR. 23, 1993	11.48	JULY 6, 1993	12.01

CALCASIEU PARISH

301115093191501 LOCAL WELL NUMBER: CU-445

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 540 FT, SCREENED 460-540. MP TOP OF CASING, AT LSD. (RECORDER SHELTER AND TOP OF CASING DESTROYED. NO RECORDER MEASUREMENTS FOR 1993 WATER YEAR.) LSD 12.26 FT ABOVE NGVD.

HIGHEST WATER LEVEL 30.96 BELOW LSD, APR. 20, 1947,

LOWEST WATER LEVEL 177.75 BELOW LSD, AUG. 23, 1973.

RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1993	108.29H	MAY 18, 1993	116.55H	JULY 23, 1993	109.29H		

301115093191001 LOCAL WELL NUMBER: CU-446

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., REPORTED DEPTH 738 FT, SCREENED 658-738. MP TOP OF RECORDER SHELTER FLOOR, 1.89 FT ABOVE LSD. LSD 12.42 FT ABOVE NGVD.

HIGHEST WATER LEVEL 22.80 BELOW LSD, APR. 27, 1946,

LOWEST WATER LEVEL 129.80 BELOW LSD, AUG. 5, 1974.

RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1992	86.25	FEB. 23, 1993	82.56	MAY 18, 1993	83.80	JULY 23, 1993	87.54

See footnotes at end of table.

GROUND-WATER LEVELS

CALCASIEU PARISH--Continued

301036093124401 LOCAL WELL NUMBER: CU-767

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WEL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 850 FT, SCREENED 840-850. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD.

LSD 11.42 FT ABOVE NGVD.

HIGHEST WATER LEVEL 63.26 BELOW LSD, MAR. 29, 1963,

LOWEST WATER LEVEL 105.98 BELOW LSD, SEP. 30, 1974.

RECORDS AVAILABLE 1963-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1992	78.00	APR. 21, 1993	79.90				

301336093183002 LOCAL WELL NUMBER: CU-771

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 241 FT, SCREENED 231-241. MP TOP OF 2-IN. CASING, 2.0 FT ABOVE LSD.

LSD 17.76 FT ABOVE NGVD.

HIGHEST WATER LEVEL 54.97 BELOW LSD, MAR. 28, 1963,

LOWEST WATER LEVEL 83.83 BELOW LSD, JULY 21, 1971.

RECORDS AVAILABLE 1963-79, 1981-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1992	59.95	FEB. 3, 1993	60.20	APR. 21, 1993	61.95		

300353093210201 LOCAL WELL NUMBER: CU-787

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 734 FT, SCREENED 729-734. MP TOP OF 2-IN. CASING, 2.85 FT ABOVE LSD.

LSD 4.33 FT ABOVE NGVD.

HIGHEST WATER LEVEL 46.98 BELOW LSD, APR. 13, 1965,

LOWEST WATER LEVEL 78.58 BELOW LSD, AUG. 2, 1972.

RECORDS AVAILABLE 1964-79, 1981-83, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 3, 1993	51.85	APR. 21, 1993	58.15				

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 20 FT, SCREENED 200-205. MP TOP OF CASING, 0.87 FT BELOW LSD.

LSD 12 FT ABOVE NGVD.

HIGHEST WATER LEVEL 50.41 BELOW LSD, FEB. 23, 1993,

LOWEST WATER LEVEL 73.05 BELOW LSD, SEP. 10, 1974.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1992	52.18	FEB. 23, 1993	50.41	MAY 18, 1993	53.23	JULY 23, 1993	50.75

GROUND-WATER LEVELS

CALDWELL PARISH

320555092043501 LOCAL WELL NUMBER: CA-130

OWNER: TOWN OF COLUMBIA. (SEC. 20, T. 13N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN COCKFIELD AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 260 FT, SCREENED 240-260. MP TOP OF CASING 3.0 FT ABOVE LSD. LSD 90 FT ABOVE NGVD.

HIGHEST WATER LEVEL 17.97 BELOW LSD, JUNE 21, 1990,

LOWEST WATER LEVEL 26.47 BELOW LSD, JAN. 12, 1990.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	25.34	JAN. 6, 1993	19.60	APR. 12, 1993	21.04	JULY 8, 1993	23.45

CAMERON PARISH

295846092381104 LOCAL WELL NUMBER: CN-80U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 453 FT, SCREENED 443-453. MP TOP OF 2 IN. CASING, 1.65 FT ABOVE LSD.

LSD 4.73 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.42 BELOW LSD, MAR. 22, 1965,

LOWEST WATER LEVEL 30.80 BELOW LSD, JUNE 20, 1978.

RECORDS AVAILABLE 1964-75, 1977-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 8, 1993	23.71						

300125092382504 LOCAL WELL NUMBER: CN-81L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN., DEPTH 478 FT, SCREENED 468-478. MP TOP OF 1-IN. PIPE, 3.18 FT ABOVE LSD.

LSD 4.45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965,

LOWEST WATER LEVEL 32.41 BELOW LSD, JULY 11, 1990.

RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1992	28.47	FEB. 23, 1993	27.52	MAY 18, 1993	29.49	JULY 23, 1993	30.12

300120093320802 LOCAL WELL NUMBER: CN-86L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN., DEPTH 641 FT, SCREENED 631-641. MP TOP OF 1-IN. CASING, 2.10 FT ABOVE LSD.

LSD 3.66 FT ABOVE NGVD.

HIGHEST WATER LEVEL 32.16 BELOW LSD, APR. 12, 1965,

LOWEST WATER LEVEL 51.34 BELOW LSD, SEP. 19, 1971.

RECORDS AVAILABLE 1964-83, 1985, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1992	39.36	APR. 22, 1993	42.05				

GROUND-WATER LEVELS

CAMERON PARISH--Continued

300055093093004 LOCAL WELL NUMBER: CN-88L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN., DEPTH 804 FT, SCREENED 794-804. MP TOP OF 1 1/2-IN. PIPE, 2.62 FT ABOVE LSD.

LSD 8.86 FT ABOVE NGVD.

HIGHEST WATER LEVEL 40.27 BELOW LSD, APR. 13, 1965,

LOWEST WATER LEVEL 66.95 BELOW LSD, JULY 21, 1978.

RECORDS AVAILABLE 1964-79, 1981-83, 1985-86, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1992	46.37	APR. 20, 1993	51.58				

295611093044801 LOCAL WELL NUMBER: CN-90

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 13S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 396 FT, SCREENED 386-396. MP TOP OF 4 TO 2-IN. BELL REDUCER, 2.00 FT ABOVE LSD.

LSD 3.19 FT ABOVE NGVD.

HIGHEST WATER LEVEL 20.40 BELOW LSD, MAR. 24, 1964,

LOWEST WATER LEVEL 37.61 BELOW LSD, NOV. 17, 1992.

RECORDS AVAILABLE 1964, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1992	37.61	APR. 20, 1993	28.06				

300104093015601 LOCAL WELL NUMBER: CN-92

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 12, T. 12S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 443 FT, SCREENED 438-443. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.

LSD 5.5 FT ABOVE NGVD.

HIGHEST WATER LEVEL 26.02 BELOW LSD, APR. 13, 1965,

LOWEST WATER LEVEL 53.96 BELOW LSD, AUG. 14, 1973.

RECORDS AVAILABLE 1964-85, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1992	33.95	APR. 26, 1993	35.55				

CATAHOULA PARISH

315007091410601 LOCAL WELL NUMBER: CT-347

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 10N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 76 FT, SCREENED 73-76. MP TOP OF CASING, 3.50 FT ABOVE LSD.

LSD 70 FT ABOVE NGVD.

HIGHEST WATER LEVEL 25.40 BELOW LSD, APR. 25, 1990,

LOWEST WATER LEVEL 26.77 BELOW LSD, JAN. 4, 1991.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1992	26.36	JAN. 4, 1993	26.43	APR. 26, 1993	26.03	JULY 6, 1993	25.70

GROUND-WATER LEVELS

CLAIBORNE PARISH

330002092445901 LOCAL WELL NUMBER: CL-149

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 736 FT, SCREENED 726-736. MP TOP OF BUSHING, 3.50 FT ABOVE LSD. LSD 230 FT ABOVE NGVD.

HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980,

LOWEST WATER LEVEL 284.02 BELOW LSD, JULY 2, 1992.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1992	285.51	JAN. 4, 1993	285.67	APR. 5, 1993	284.34	JULY 6, 1993	286.92

CONCORDIA PARISH

312614091400001 LOCAL WELL NUMBER: CO-205

OWNER: ANGELINA PLANTATION. (SEC. 4, T. 5N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 130 FT, SCREENED 110-130. MP TOP OF CASING, 1.10 FT ABOVE LSD.

LSD 45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 6.89 BELOW LSD, MAR. 9, 1992,

LOWEST WATER LEVEL 15.99 BELOW LSD, SEP. 26, 1990.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1993	8.06	SEP. 1, 1993	13.22				

312630091390001 LOCAL WELL NUMBER: CO-215

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 3, T. 5N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 121 FT, SCREENED 118-121. MP TOP OF CASING, 3.4 FT ABOVE LSD.

LSD 45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 5.32 BELOW LSD, APR. 26, 1993,

LOWEST WATER LEVEL 14.25 BELOW LSD, SEP. 26, 1990.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1992	12.08	MAR. 9, 1993	6.61	JULY 6, 1993	10.29	SEP. 1, 1993	11.03
JAN. 4, 1993	8.36	APR. 26	5.32				

DE SOTO PARISH

315521093343801 LOCAL WELL NUMBER: DS-445

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 140 FT, SCREENED 130-140. MP TOP OF CASING, 3.60 FT ABOVE LSD.

LSD 305 FT ABOVE NGVD.

HIGHEST WATER LEVEL 77.80 BELOW LSD, JULY 1, 1992,

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
JAN. 5, 1993	78.07	APR. 7, 1993	77.68				

GROUND-WATER LEVELS

DESOTO PARISH--Continued

320153093583601 LOCAL WELL NUMBER: DS-517

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 12N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WIL-COX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 131 FT, SCREENED 129-131. MP TOP OF BUSHING, AT LSD. LSD 225 FT ABOVE NGVD.

HIGHEST WATER LEVEL 13.56 BELOW LSD, APR. 7, 1993,

LOWEST WATER LEVEL 17.64 BELOW LSD, SEP. 24, 1984.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	14.64	JAN. 5, 1993	14.04	APR. 7, 1993	13.56	JULY 7, 1993	13.84

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 120 FT, SCREENED 2,025-2,120. MP TOP OF COLLAR, 1.90 FT ABOVE LSD.

LSD 59.05 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943,

LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.

RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1992	236.14	FEB. 16, 1993	232.09	MAY 5, 1993	230.76	JULY 14, 1993	232.70

302648091102301 LOCAL WELL NUMBER: EB-128

OWNER: DIVINCENTI BROS., INC. (SEC. 74, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., DEPTH 970 FT, SCREENED 840-883 AND 916-970. MP TOP OF 6-IN. CASING, AT LSD.

LSD 57.02 FT ABOVE NGVD.

HIGHEST WATER LEVEL 60.40 BELOW LSD, JULY 12, 1989,

LOWEST WATER LEVEL 128.42 BELOW LSD, SEP. 9, 1956.

RECORDS AVAILABLE 1940-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1992	65.33	FEB. 17, 1993	65.20	MAY 4, 1993	67.91	JULY 14, 1993	74.50

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: EAST BATON ROUGE CITY-PARISH. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., REPORTED DEPTH 1,259 FT, SCREENED 1,199-1,259. MP EDGE OF 1/4-IN. HOLE IN PLATE ATOP CASING, 0.45 FT BELOW LSD.

LSD 52 FT ABOVE NGVD.

HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916,

LOWEST WATER LEVEL 118.15 BELOW LSD, JULY 12, 1979.

RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1992	108.25	FEB. 17, 1993	107.15	MAY 7, 1993	102.49	JULY 14, 1993	104.97

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

302930091101501

LOCAL WELL NUMBER: EB-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND "400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., REPORTED DEPTH 412 FT, SCREENED 311-412. MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.

LSD 60.14 FT ABOVE NGVD.

HIGHEST WATER LEVEL 57.81 BELOW LSD, MAR. 25, 1990, MAY 10, 1991, MAY 15, 1991, MAY 30, 1991,

LOWEST WATER LEVEL 185.30 BELOW LSD, OCT. 15, 1968.

RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	76.38	JAN. 10, 1993	71.02	APR. 5, 1993	70.84	JULY 5, 1993	71.64
OCT. 10	77.58	JAN. 15	68.70	APR. 10	72.23	JULY 10	73.89
OCT. 15	77.50	JAN. 20	66.94	APR. 15	71.31	JULY 15	71.99
OCT. 20	75.75	JAN. 25	67.44	APR. 20	71.95	JULY 20	75.91
OCT. 25	75.10	JAN. 29	68.30H	APR. 25	68.40	JULY 25	73.65
OCT. 31	76.17	JAN. 31	67.44	APR. 30	66.39	JULY 28	73.26H
NOV. 5	76.55	FEB. 5	67.54	MAY 5	66.85	JULY 31	78.03
NOV. 10	76.64	FEB. 10	65.68J	MAY 10	69.90	AUG. 5	79.83
NOV. 15	78.84	FEB. 15	65.98	MAY 15	71.77	AUG. 10	79.30
NOV. 20	77.28	FEB. 20	67.27	MAY 20	69.24	AUG. 15	80.71
NOV. 25	75.41	FEB. 25	68.67	MAY 25	70.48	AUG. 20	80.41
NOV. 30	74.20H	FEB. 28	68.99	MAY 28	72.27H	AUG. 25	78.66
DEC. 5	72.86	MAR. 5	69.33	MAY 31	73.47	AUG. 31	79.57
DEC. 10	71.88	MAR. 10	70.69	JUNE 5	74.40	SEP. 5	80.60
DEC. 15	78.73	MAR. 15	71.02	JUNE 10	73.80	SEP. 10	81.26
DEC. 20	81.09	MAR. 20	72.58	JUNE 15	73.29	SEP. 15	80.73
DEC. 25	81.68	MAR. 25	71.75	JUNE 20	73.14	SEP. 20	81.66
DEC. 31	79.08	MAR. 30	72.99H	JUNE 25	72.34	SEP. 25	82.13J
JAN. 5, 1993	76.48	MAR. 31	73.16	JUNE 30	72.19	SEP. 30	81.38

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 NGVD.

HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943,

LOWEST WATER LEVEL 147.27 BELOW LSD, MAY 14, 1979.

RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1992	144.10	FEB. 17, 1993	145.15	MAY 5, 1993	144.33	JULY 26, 1993	146.21

303026091113001

LOCAL WELL NUMBER: EB-297

OWNER: LOUISIANA OFFICE OF HIGHWAYS. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,940 FT, SCREENED 1,890-1,940. MP TOP OF 4-IN. NIPPLE ATOP 4-IN. CROSS, 2.20 FT ABOVE LSD.

LSD 61 FT ABOVE NGVD.

HIGHEST WATER LEVEL 200.22 BELOW LSD, NOV. 7, 1967,

LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1992	232.92	MAR. 25, 1993	231.90	MAY 3, 1993	233.88	JULY 26, 1993	237.15

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

303440090592702 LOCAL WELL NUMBER: EB-304

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,725 FT, SCREENED 1,685-1,725. MP TOP OF 2-IN. COUPLING WELDED ON TOP OF CASING, 2.40 FT ABOVE LSD.

LSD 67 FT ABOVE NGVD.

HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941,

LOWEST WATER LEVEL 64.85 BELOW LSD, NOV. 6, 1979.

RECORDS AVAILABLE 1941, 1943-46, 1949-51, 1954-70, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1992	55.23	FEB. 18, 1993	54.20	JUNE 21, 1993	53.15		

303441091074201 LOCAL WELL NUMBER: EB-322

OWNER: JOSEPH ROY BADEAUX. (SEC. 29, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 TO 2 IN., DEPTH 1,971 FT, SCREENED 1,931-1,971. MP TOP EDGE OF 2 1/2-IN. CASING, 0.25 FT ABOVE LSD.

LSD 68 FT ABOVE NGVD.

HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942,

LOWEST WATER LEVEL 80.34 BELOW LSD, OCT. 31, 1980.

RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1992	72.80	FEB. 18, 1993	72.57	MAY 3, 1993	71.54	JULY 13, 1993	71.87

302820091072401 LOCAL WELL NUMBER: EB-327

OWNER: SPEDALE ESTATE. (SEC. 73, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 1,236 FT, SCREENED 1,186-1,236. MP TOP OF 2-IN. CASING EXTENSION, 1.40 FT ABOVE LSD.

LSD 55 FT ABOVE NGVD.

HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974,

LOWEST WATER LEVEL 119.58 BELOW LSD, JULY 16, 1979.

RECORDS AVAILABLE 1972-88, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1992	113.81	MAR. 25, 1993	114.80	MAY 5, 1993	107.45	JULY 12, 1993	113.85

302930091111301 LOCAL WELL NUMBER: EB-367

OWNER: GULF STATES UTILITIES CO. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., REPORTED DEPTH 2,061 FT, SCREENED 1,961-2,061. MP ARROW ON PLATE ABOVE CASING, 0.40 FT ABOVE LSD.

LSD 64.4 FT ABOVE NGVD.

HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942,

LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.

RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1992	259.25H	JUNE 15, 1993	265.40	JULY 19, 1993	279.13H	AUG. 25, 1993	281.56
DEC. 4,	261.15H	JUNE 20	264.17	JULY 20	281.50	AUG. 31	278.21
JAN. 29, 1993	262.82H	JUNE 25	272.92	JULY 25	283.43	SEP. 5	274.36
FEB. 17	261.05H	JUNE 30	273.49	JULY 31	284.15	SEP. 10	274.69
MAR. 25	260.04H	JULY 5	275.81	AUG. 5	277.15	SEP. 15	275.09
MAY 3	255.78H	JULY 10	276.17	AUG. 10	280.26	SEP. 20	274.51
JUNE 1	263.65H	JULY 13	274.56H	AUG. 15	278.86	SEP. 25	280.24
JUNE 5	258.33	JULY 15	276.82	AUG. 20	279.25	SEP. 30	280.47
JUNE 10	261.23						

See footnotes at end of table

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

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 PLEISTOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 1,464 FT, SCREENED 1,389-1,464. MP1 LOWER EDGE OF COLLAR ON NORTH SIDE OF WELL CASING, 1.00 FT ABOVE LSD.

LSD 50 FT ABOVE NGVD.

HIGHEST WATER LEVEL 20.75 ABOVE LSD, SEP. 6, 1942,

LOWEST WATER LEVEL 98.50 BELOW LSD, OCT. 8, 1981.

RECORDS AVAILABLE 1942, 1973, 1977-78, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 6, 1942	+20.75	JULY 5, 1973	74.51	JUNE 30, 1978	87.10	OCT. 8, 1981	98.50
APR. 24, 1973	71.70	SEP. 7, 1977	86.89	MAR. 25, 1981	84.74	SEP. 24, 1993	91.09

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LOUISIANA OFFICE OF HIGHWAYS. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 611 FT, SCREENED 551-611. MP TOP OF 2-IN. NIPPLE, 1.58 FT ABOVE LSD.

LSD 45.44 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.24 BELOW LSD, MAY 10, 1990,

LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.

RECORDS AVAILABLE 1961-92.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1992	55.43						

302655091112401 LOCAL WELL NUMBER: EB-444

OWNER: BATON ROUGE WATER COMPANY. (SEC. 48, T. 7S., R. 1W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 18 IN., DEPTH 2,172 FT, SCREENED 2,022-2,172. MP TOP 3/4-IN. NIPPLE, 1.5 FT ABOVE LSD.

LSD 45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 129.70 BELOW LSD, MAY 17, 1959,

LOWEST WATER LEVEL 225.91 BELOW LSD, SEP. 24, 1993.

RECORDS AVAILABLE 1959, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 17, 1959	129.70R	SEP. 24, 1993	225.91				

303408091075001 LOCAL WELL NUMBER: EB-468

OWNER: A.M. HOLDEN. (SEC. 53, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,407 FT, SCREENED 2,319-2,407. MP TOP EDGE OF 3/4-IN. HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.

LSD 73 FT ABOVE NGVD.

HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948,

LOWEST WATER LEVEL 67.76 BELOW LSD, JULY 13, 1993.

RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1992	64.72	FEB. 18, 1993	64.17	MAY 3, 1993	63.07	JULY 13, 1993	67.76

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

303440090592703 LOCAL WELL NUMBER: EB-581

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 IN., DEPTH 2,590 FT, SCREENED 2,540-2,590. MP TOP OF 1-IN. PIPE ON SIDE OF 8-IN. CASING, 1.90 FT ABOVE LSD.

LSD 67 FT ABOVE NGVD.

HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956,

LOWEST WATER LEVEL 45.79 BELOW LSD, JAN. 27, 1981.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1992	42.05	FEB. 10, 1993	40.41	MAY 4, 1993	41.36	JULY 13, 1993	43.45

302651091112408 LOCAL WELL NUMBER: EB-630

OWNER: BATON ROUGE WATER COMPANY. (SEC. 48, T. 7S., R. 1W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 20 IN., DEPTH 2,253 FT, SCREENED 2,015-2,165 and 2,148-2,253. MP TOP 3/4-IN. NIPPLE, 1.5 FT ABOVE LSD.

LSD 45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 138.66 ABOVE LSD, FEB. 8, 1961,

LOWEST WATER LEVEL 224.56 BELOW LSD, SEP. 24, 1993.

RECORDS AVAILABLE 1961, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 2, 1961	138.66R	JULY 1, 1992	221.83	SEP. 24, 1993	226.56		

303350091100901 LOCAL WELL NUMBER: EB-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 3 IN., DEPTH 1,640 FT, SCREENED 1,580-1,640. MP HOLE IN CENTER OF 6-IN. PLUG ATOP CASING, 1.73 FT ABOVE LSD.

LSD 65 FT ABOVE NGVD.

HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959,

LOWEST WATER LEVEL 184.37 BELOW LSD, NOV. 15, 1972.

RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1992	166.85	FEB. 18, 1993	165.77	MAY 3, 1993	164.70	JULY 13, 1993	165.70

302509091082701 LOCAL WELL NUMBER: EB-778

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,586 FT, SCREENED 2,581-2,586. MP TOP OF CASING, 0.25 FT BELOW LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965,

LOWEST WATER LEVEL 2.84 BELOW LSD, OCT. 25, 1982.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1992	2.61	MAY 4, 1993	.85	JULY 14, 1993	1.40	SEP. 15, 1993	2.84
FEB. 16, 1993	1.60						

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH--Continued

302509091082702 LOCAL WELL NUMBER: EB-780A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,622 FT, SCREENED 1,617-1,622. MP TOP OF 4-IN. CASING, 0.14 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966,

LOWEST WATER LEVEL 34.76 BELOW LSD, SEP. 15, 1993.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1992	34.11	SEP. 15, 1993	34.76				

302509091082703 LOCAL WELL NUMBER: EB-780B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,913 FT, SCREENED 1,908-1,913. MP TOP OF 4-IN. CASING, 0.14 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 8.58 ABOVE LSD, APR. 23, 1965,

LOWEST WATER LEVEL 27.40 BELOW LSD, SEP. 14, 1990.

RECORDS AVAILABLE 1965-92.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1992	33.81						

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 MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP EDGE OF 2-IN. STEEL AIR LINE, 2.82 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1992	185.24	SEP. 27, 1993	202.72				

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, 1.94 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 17.55 BELOW LSD, JULY 14, 1993,

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
MAR. 25, 1993	18.44	MAY 4, 1993	20.99	JULY 14, 1993	17.55		

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

302509091082703 LOCAL WELL NUMBER: EB-780B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,913 FT, SCREENED 1,908-1,913. MP TOP OF 4-IN. CASING, 0.14 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 8.58 ABOVE LSD, APR. 23, 1965,

LOWEST WATER LEVEL 27.40 BELOW LSD, SEP. 14, 1990.

RECORDS AVAILABLE 1965-92.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1992	33.81						

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 MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP EDGE OF 2-IN. STEEL AIR LINE, 2.82 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1992	185.24	SEP. 27, 1993	202.72				

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, 1.94 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 17.55 BELOW LSD, JULY 14, 1993,

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
MAR. 25, 1993	18.44	MAY 4, 1993	20.99	JULY 14, 1993	17.55		

302535091090403 LOCAL WELL NUMBER: EB-782B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 1,681 FT, SCREENED 1,676-1,681. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD.

LSD 28 FT ABOVE NGVD.

HIGHEST WATER LEVEL 49.35 BELOW LSD, JAN. 20, 1966,

LOWEST WATER LEVEL 119.00 BELOW LSD, JULY 12, 1979.

RECORDS AVAILABLE 1965-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 21, 1993	97.82						

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 NGVD.

HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966,

LOWEST WATER LEVEL 62.58 BELOW LSD, OCT. 18, 1984.

RECORDS AVAILABLE 1965-88, 1990-92.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1992	53.76						

302511091070401 LOCAL WELL NUMBER: EB-789A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 711 FT, SCREENED 707-711. MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.

LSD 37 FT ABOVE NGVD.

HIGHEST WATER LEVEL 9.50 BELOW LSD, MAY 17, 1979,

LOWEST WATER LEVEL 33.40 BELOW LSD, OCT. 12, 1988.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1992	29.97	MAY 3, 1993	18.89	JUNE 22, 1993	20.61	JULY 14, 1993	18.61
FEB. 16, 1993	19.71						

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 NGVD.

HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966,

LOWEST WATER LEVEL 43.14 BELOW LSD, OCT. 15, 1992.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1992	43.14	SEP. 21, 1993	42.47				

302605091080602 LOCAL WELL NUMBER: EB-792B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP OF 2-IN. CASING, 1.81 ABOVE LSD.

LSD 45 FT ABOVE NGVD.

HIGHEST WATER LEVEL 121.92 BELOW LSD, MAR. 28, 1966,

LOWEST WATER LEVEL 239.60 BELOW LSD, JULY 27, 1973.

RECORDS AVAILABLE 1965-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	186.29	SEP. 16, 1993	197.09				

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

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 NGVD.

HIGHEST WATER LEVEL 36.56 BELOW LSD, JULY 23, 1990.

LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1992	56.97	SEP. 30, 1993	43.80				

302559091110801 LOCAL WELL NUMBER: EB-794

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 52, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,709 FT, SCREENED 2,705-2,709. MP TOP OF 4-IN. CASING, 2.87 FT ABOVE LSD. (NOV. 8, 1991 WATER LEVEL INCORRECTLY PUBLISHED IN DATA REPORT LA-92-1.) LSD 50.18 FT ABOVE NGVD.

HIGHEST WATER LEVEL 113.28 BELOW LSD, JULY 27, 1965,

LOWEST WATER LEVEL 204.76 BELOW LSD, JULY 13, 1979.

RECORDS AVAILABLE 1965-88, 1990-92.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1991	170.33	OCT. 21, 1992	153.88				

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, 3.50 FT ABOVE LSD.

LSD 27 FT ABOVE NGVD.

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.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1992	+16.07						

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 4-IN. CASING, 1.57 FT ABOVE LSD.

LSD 46 FT ABOVE NGVD.

HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967,

LOWEST WATER LEVEL 114.45 BELOW LSD, SEP. 22, 1993.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1992	109.13	FEB. 16, 1993	88.76	JULY 14, 1993	105.86	SEP. 22, 1993	114.45
NOV. 19	89.58	MAY 3	114.45				

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

302428091035002 LOCAL WELL NUMBER: EB-804B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,762 FT, SCREENED 2,758-2,762. MP TOP OF 2-IN. LINER, 2.37 FT ABOVE LSD.

LSD 46 FT ABOVE NGVD.

HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966,

LOWEST WATER LEVEL 104.38 BELOW LSD, SEP. 14, 1993.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 16, 1993	92.29	MAY 3, 1993	95.18	JULY 14, 1993	89.43	SEP. 14, 1993	104.38

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,072 FT, SCREENED 1,068-1,072. MP TOP OF 1/2-IN. HOLE IN CAP, 1.25 FT ABOVE LSD.

LSD 46 FT ABOVE NGVD.

HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967,

LOWEST WATER LEVEL 69.83 BELOW LSD, SEP. 14, 1993.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1992	65.24	MAY 3, 1993	63.97	JULY 14, 1993	65.19	SEP. 14, 1993	69.83
FEB. 16, 1993	62.66						

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 72, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,579 FT, SCREENED 2,575-2,579. MP TOP EDGE OF 1 1/2-IN. NIPPLE, 1.83 FT ABOVE LSD.

LSD 46.5 FT ABOVE NGVD.

HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966,

LOWEST WATER LEVEL 204.05 BELOW LSD, JULY 12, 1979.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1992	181.01	FEB. 16, 1993	178.98	MAY 4, 1993	180.13	JULY 14, 1993	179.98

302611091091201 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 PLOCENE AGE, DIAM 4 IN., DEPTH 1,713 FT, SCREENED 1,709-1,713. MP TOP EDGE 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.

LSD 34.86 FT ABOVE NGVD.

HIGHEST WATER LEVEL 63.76 BELOW LSD, APR. 24, 1969,

LOWEST WATER LEVEL 150.29 BELOW LSD, OCT. 9, 1992.

RECORDS AVAILABLE 1965-88, 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1992	150.29	OCT. 30, 1992	150.00	SEP. 28, 1993	143.00		

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

302510091105003 LOCAL WELL NUMBER: EB-822

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 573 FT, SCREENED 567-573. MP TOP OF COLLAR WELDED ON CASING, 0.58 FT ABOVE LSD.

LSD 22.6 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.30 ABOVE LSD, APR. 27, 1979,

LOWEST WATER LEVEL 19.48 BELOW LSD, OCT. 23, 1968.

RECORDS AVAILABLE 1967-92.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1992	15.26						

302553091092001 LOCAL WELL NUMBER: EB-824

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 581 FT, SCREENED 575-581. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 33.56 FT ABOVE NGVD.

HIGHEST WATER LEVEL 28.84 BELOW LSD, JULY 10, 1990,

LOWEST WATER LEVEL 90.29 BELOW LSD, OCT. 23, 1968.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1992	40.50	FEB. 16, 1993	30.94	MAY 3, 1993	33.25	JULY 14, 1993	41.75

302553091092002 LOCAL WELL NUMBER: EB-825

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 475 FT, SCREENED 469-475. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 33.57 FT ABOVE NGVD.

HIGHEST WATER LEVEL 29.21 BELOW LSD, MAY 9, 1990,

LOWEST WATER LEVEL 63.45 BELOW LSD, NOV. 8, 1968.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1992	38.55	MAY 3, 1993	37.10	JULY 14, 1993	38.85	SEP. 15, 1993	33.87
FEB. 16, 1993	38.00						

303356091095301 LOCAL WELL NUMBER: EB-827

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 364-370. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 63.96 FT ABOVE NGVD.

HIGHEST WATER LEVEL 37.50 BELOW LSD, MAY 15, 1990,

LOWEST WATER LEVEL 68.13 BELOW LSD, NOV. 1, 1968.

RECORDS AVAILABLE 1967-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1992	49.84	FEB. 18, 1993	44.86	MAY 3, 1993	42.70	JULY 13, 1993	41.18

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

303912091150801 LOCAL WELL NUMBER: EB-849

OWNER: GEORGIA-PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,380 FT, SCREENED 1,250-1,270 AND 1,350-1,380. MP TOP OF CASING, 1.70 FT ABOVE LSD.

LSD 91 FT ABOVE NGVD.

HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966,

LOWEST WATER LEVEL 142.28 BELOW LSD, OCT. 31, 1990.

RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1992	132.60	FEB. 18, 1993	130.23	MAY 3, 1993	127.38	JULY 13, 1993	132.42

302729091100601 LOCAL WELL NUMBER: EB-870

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 44, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 692 FT, SCREENED 687-692. MP TOP OF CASING, AT LSD.

LSD 50 FT ABOVE NGVD.

HIGHEST WATER LEVEL 48.33 BELOW LSD, JULY 10, 1990,

LOWEST WATER LEVEL 142.48 BELOW LSD, OCT. 5, 1971.

RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1992	54.94	MAY 5, 1993	56.15	JULY 14, 1993	53.52	SEP. 30, 1993	57.95
FEB. 17, 1993	55.91						

303905090583301 LOCAL WELL NUMBER: EB-896

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 51, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 73 FT, SCREENED 70-73. MP TOP OF 1 1/4-IN. CASING, AT LSD.

LSD 82 FT ABOVE NGVD.

HIGHEST WATER LEVEL 14.51 BELOW LSD, APR. 16, 1990,

LOWEST WATER LEVEL 18.31 BELOW LSD, OCT. 4, 1982.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 10, 1993	15.42	MAY 4, 1993	15.36	JULY 13, 1993	15.07		

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 PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,736 FT, SCREENED 1,731-1,736. MP TOP OF 4-IN. CASING, AT LSD.

LSD 46.56 FT ABOVE NGVD.

HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978,

LOWEST WATER LEVEL 150.27 BELOW LSD, OCT. 6, 1992.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	150.27	NOV. 16, 1992	148.75	MAY 4, 1993	140.85	SEP. 24, 1993	149.40
OCT. 7	150.22	FEB. 16, 1993	147.90	JULY 14	145.22		

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 NGVD.

HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973,

LOWEST WATER LEVEL 137.78 BELOW LSD, OCT. 7, 1992.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	137.78	SEP. 29, 1993	115.88				

302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 592-603. MP TOP OF 2-IN. CASING, 1.30 FT ABOVE LSD.

LSD 51 FT ABOVE NGVD.

HIGHEST WATER LEVEL 44.67 BELOW LSD, JULY 11, 1991,

LOWEST WATER LEVEL 67.84 BELOW LSD, NOV. 18, 1977.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1992	52.59	FEB. 17, 1993	46.60	MAY 3, 1993	50.92	JULY 14, 1993	46.56

302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 385 FT, SCREENED 372-385. MP TOP OF 2-IN. CASING, 1.10 FT ABOVE LSD.

LSD 51 FT ABOVE NGVD.

HIGHEST WATER LEVEL 37.55 BELOW LSD, JULY 11, 1991,

LOWEST WATER LEVEL 55.98 BELOW LSD, NOV. 18, 1977.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1992	45.63	FEB. 17, 1993	39.45	MAY 3, 1993	42.48	JULY 14, 1993	44.34

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,792 FT, SCREENED 2,782-2,792. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 1.63 FT ABOVE LSD.

LSD 59 FT ABOVE NGVD.

HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975,

LOWEST WATER LEVEL 52.25 BELOW LSD, FEB. 22, 1980.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1992	43.67	MAR. 1, 1993	44.13	APR. 29, 1993	43.71	JULY 28, 1993	46.37
DEC. 28	43.15	MAR. 30	43.82	MAY 28	44.62	AUG. 30	46.75
JAN. 29, 1993	43.38						

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH--Continued

302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 654 FT, SCREENED 644-654. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.27 FT ABOVE LSD.

LSD 59 FT ABOVE NGVD.

HIGHEST WATER LEVEL 59.09 BELOW LSD, JULY 9, 1990,

LOWEST WATER LEVEL 158.05 BELOW LSD, AUG. 26, 1976.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1992	74.91	MAR. 1, 1993	73.31	APR. 29, 1993	75.66	JULY 28, 1993	86.14
DEC. 28	74.24	MAR. 30	75.60	MAY 28	75.45	AUG. 30	71.03
JAN. 29, 1993	68.25						

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 1,234 FT, SCREENED 1,224-1,234. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.02 FT ABOVE LSD.

LSD 59 FT ABOVE NGVD.

HIGHEST WATER LEVEL 97.73 BELOW LSD, JUNE 2, 1992,

LOWEST WATER LEVEL 193.08 BELOW LSD, OCT. 2, 1978.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1992	130.25	MAR. 1, 1993	115.18	APR. 29, 1993	143.90	JULY 28, 1993	125.64
DEC. 28	132.61	MAR. 30	137.30	MAY 28	125.54	AUG. 30	135.76
JAN. 29, 1993	120.25						

303251091115001 LOCAL WELL NUMBER: EB-1000

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 69, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,926 FT, SCREENED 2,916-2,926. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 68 FT ABOVE NGVD.

HIGHEST WATER LEVEL 44.15 BELOW LSD, APR. 22, 1985,

LOWEST WATER LEVEL 58.14 BELOW LSD, JULY 13, 1993.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	54.59	FEB. 18, 1993	53.59	MAY 5, 1993	55.11	JULY 13, 1993	58.14

302919091020501 LOCAL WELL NUMBER: EB-1019

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 52, T. 6S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 700 FT, SCREENED 690-700. MP TOP OF 2-IN. CASING, AT LSD.

LSD 49 FT ABOVE NGVD.

HIGHEST WATER LEVEL 38.70 BELOW LSD, APR. 12, 1983,

LOWEST WATER LEVEL 47.07 BELOW LSD, NOV. 16, 1992.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1992	47.07	FEB. 16, 1993	43.17	MAY 4, 1993	41.35	JULY 13, 1993	43.06

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH--Continued

302605091100901 LOCAL WELL NUMBER: EB-1028

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 53, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,238 FT, SCREENED 2,223-2,238. MP TOP EDGE OF 1-IN. AIR-LINE COLLAR, 0.30 FT BELOW LSD.

LSD 40 FT ABOVE NGVD.

HIGHEST WATER LEVEL 174.00 BELOW LSD, AUG. 10, 1992,

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. 20, 1992	182.04	FEB. 16, 1993	209.21	MAY 5, 1993	205.25	JULY 26, 1993	210.84
OCT. 22	182.12						

302652091112410 LOCAL WELL NUMBER: EB-1253

OWNER: BATON ROUGE WATER COMPANY. (SEC. 48, T. 7S., R. 1W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2300-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 18 TO 12 IN., DEPTH 2,687 FT, SCREENED 2,000-2,080, 2,607-2,627 AND 2,632-2,667. MP TOP OF TEMPORARY CASING, 6.3 FT ABOVE LSD.

LSD 46 FT ABOVE NGVD.

HIGHEST WATER LEVEL 165.00 BELOW LSD, AUG. 31, 1993.

LOWEST WATER LEVEL 167.95 BELOW LSD, SEP. 24, 1993.

RECORDS AVAILABLE 1993.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 31, 1993	165.00R	SEP. 24, 1993	161.65				

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 NGVD.

HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,

LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.

RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	19.40	JAN. 4, 1993	19.26	MAR. 29, 1993	19.12		

EAST FELICIANA PARISH

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 1 AQUIFER OF 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 NGVD.

HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961,

LOWEST WATER LEVEL 88.69 BELOW LSD, SEP. 15, 1992.

RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1992	81.00	MAR. 4, 1993	81.95	MAY 13, 1993	80.60	JULY 15, 1993	81.65

See footnotes at end of table.

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 NGVD.
HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY16, 1961,
LOWEST WATER LEVEL 216.95 BELOW LSD, FEB. 19, 1991.
RECORDS AVAILABLE 1961-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1992	208.91	MAR. 4, 1993	200.21	MAY 13, 1993	200.93	JULY 15, 1993	203.91

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER. (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN, SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN., DEPTH 2,000 FT, SCREENED 1,935-2,000. MP TOP OF SANITARY SEAL, 1.55 FT ABOVE LSD.
LSD 135 FT ABOVE NGVD.
HIGHEST WATER LEVEL 100.85 BELOW LSD, JULY 21, 1983,
LOWEST WATER LEVEL 141.72 BELOW LSD, FEB. 11, 1991.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1992	128.04	MAR. 4, 1993	129.00	MAY 13, 1993	133.93	JULY 15, 1993	131.03

EVANGELINE PARISH

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.
LSD 65.66 FT ABOVE NGVD.
HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951,
LOWEST WATER LEVEL 108.60 BELOW LSD, JUNE 10, 1982.
RECORDS AVAILABLE 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1992	90.24	DEC. 31, 1992	84.90	MAR. 24, 1993	86.80H	JUNE 30, 1993	99.05
OCT. 5	88.46	JAN. 5, 1993	84.61	MAR. 25	87.08	JULY 5	97.36
OCT. 7	88.42H	JAN. 10	84.26	MAR. 31	87.24	JULY 10	100.10
OCT. 10	89.01	JAN. 15	84.09	APR. 5	89.14	JULY 15	99.25
OCT. 15	92.01	JAN. 20	83.91	APR. 10	86.92	JULY 20	96.43
OCT. 20	88.69	JAN. 25	83.87	APR. 15	86.46	JULY 25	95.58
OCT. 25	87.84	JAN. 28	83.74H	APR. 20	85.78	JULY 31	95.14
OCT. 31	89.15	JAN. 31	83.81	APR. 25	87.59	AUG. 5	94.22
NOV. 4	87.89H	FEB. 5	83.84	APR. 30	91.13	AUG. 10	94.11
NOV. 5	87.96	FEB. 10	83.72	MAY 5	96.78	AUG. 15	92.60
NOV. 10	87.49	FEB. 15	83.30	MAY 20	99.94	AUG. 20	92.14
NOV. 15	87.41	FEB. 20	82.92	MAY 25	99.74	AUG. 25	91.22
NOV. 20	86.44	FEB. 22	82.63	MAY 31	99.23	AUG. 31	90.37
NOV. 25	86.25	FEB. 23	86.85H	JUNE 5	100.11	SEP. 5	89.88
NOV. 30	86.21	FEB. 25	82.76	JUNE 10	101.96	SEP. 10	89.67
DEC. 5	86.33	FEB. 28	84.20	JUNE 15	104.89	SEP. 15	89.98
DEC. 10	85.58	MAR. 5	84.43	JUNE 19	105.23	SEP. 20	89.99
DEC. 15	85.12	MAR. 10	87.19	JUNE 20	105.16	SEP. 25	89.85
DEC. 20	85.10	MAR. 15	86.78	JUNE 25	102.08	SEP. 30	90.65
DEC. 25	85.03						

See footnotes at end of table.

GROUND-WATER LEVELS

FRANKLIN PARISH

320958091425501

LOCAL WELL NUMBER: FR-721

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 14N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 77 FT, SCREENED 72-77. MP TOP OF CASING, 2.10 FT ABOVE LSD.

LSD 65 FT ABOVE NGVD.

HIGHEST WATER LEVEL 7.16 BELOW LSD, MAY 9, 1991,

LOWEST WATER LEVEL 11.60 BELOW LSD, AUG. 20, 1990.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	10.99	JAN. 20, 1993	9.71	APR. 15, 1993	8.80H	JULY 10, 1993	10.38
OCT. 6	11.02J	JAN. 21	9.56	APR. 16	8.77	JULY 13	10.42
OCT. 31	11.01	JAN. 25	9.87	APR. 20	9.40	JULY 15	10.46
NOV. 5	10.76	JAN. 31	10.17	APR. 25	9.78	JULY 20	10.49
NOV. 10	10.85	FEB. 5	10.24	APR. 30	9.57	JULY 25	10.52
NOV. 15	10.86	FEB. 10	10.29	MAY 5	9.41	JULY 31	10.60
NOV. 20	10.77	FEB. 15	10.29	MAY 10	9.87	AUG. 5	10.66
NOV. 25	10.44	FEB. 20	10.21	MAY 15	10.02	AUG. 10	10.67
NOV. 30	10.48	FEB. 24	10.35J	MAY 20	10.20	AUG. 15	10.75
DEC. 5	10.58	FEB. 25	10.34	MAY 25	10.23	AUG. 20	10.85
DEC. 10	10.32	FEB. 28	10.30	MAY 31	10.27	AUG. 25	10.90
DEC. 15	10.46	MAR. 5	9.89	JUNE 5	10.32	AUG. 31	10.95
DEC. 20	10.06	MAR. 8	10.10	JUNE 10	10.38	SEP. 5	11.02
DEC. 21	9.96J	MAR. 10	10.21	JUNE 15	10.41	SEP. 8	11.05H
DEC. 25	10.00	MAR. 15	9.88	JUNE 17	10.44J	SEP. 10	11.09
DEC. 31	10.24	MAR. 20	9.84	JUNE 20	10.44	SEP. 15	11.09
JAN. 5, 1993	10.30	MAR. 25	9.67	JUNE 25	9.86	SEP. 20	11.10
JAN. 10	10.03	MAR. 31	9.95	JUNE 30	9.87	SEP. 25	11.12
JAN. 12	9.88H	APR. 5	10.13H	JULY 1	9.88J	SEP. 28	11.14J
JAN. 15	10.03	APR. 10	8.91	JULY 5	10.23	SEP. 30	11.14

GRANT PARISH

312703092224801

LOCAL WELL NUMBER: G-127B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 231.36 FT ABOVE NGVD.

HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980,

LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1992	67.52	JAN. 5, 1993	68.28	APR. 7, 1993	68.12	JULY 6, 1993	67.95

See footnotes at end of table.

GROUND-WATER LEVELS

IBERIA PARISH

300035091443301 LOCAL WELL NUMBER: I-93

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 5, T. 12S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 580-585. MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.

LSD 18.53 FT ABOVE NGVD.

HIGHEST WATER LEVEL 15.29 BELOW LSD, FEB. 25, 1974.

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
NOV. 3, 1992	18.07	FEB. 22, 1993	16.71	APR. 19, 1993	16.15	MAY 19, 1993	17.33
NOV. 10	18.05						

IBERVILLE PARISH

301227091101301 LOCAL WELL NUMBER: IB-106

OWNER: J SUPPLES & SONS MERCANTILE CO. (SEC. 37, T. 10S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 608 FT, SCREENED 588-608. MP TOP EDGE OF 1/2-IN. VALVE, AT LSD.

LSD 18.94 FT ABOVE NGVD.

HIGHEST WATER LEVEL 6.60 ABOVE LSD, JUNE 5, 1990.

LOWEST WATER LEVEL 11.42 BELOW LSD, NOV. 27, 1989.

RECORDS AVAILABLE 1959-60, 1964, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1992	7.20	JUNE 24, 1993	5.59	JULY 29, 1993	4.50		

JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: STONE CONTAINER CORP. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 TO 8 IN., DEPTH 570 FT, SCREENED 542-570. MP TOP OF NIPPLE IN CASING COVER PLATE, 2.20 FT ABOVE LSD.

LSD 160 FT ABOVE NGVD.

HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961.

LOWEST WATER LEVEL 201.67 BELOW LSD, JULY 6, 1993.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	162.69	JAN. 6, 1993	196.39	APR. 23, 1993	187.40	JULY 6, 1993	201.67

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 220 FT ABOVE NGVD.

HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975.

LOWEST WATER LEVEL 240.95 BELOW LSD, SEP. 30, 1993.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1992	238.58	JAN. 29, 1993	238.66	APR. 30, 1993	238.59	JULY 30, 1993	239.55
NOV. 30	238.74	FEB. 25	239.75	MAY 28	238.75	AUG. 31	239.93
DEC. 31	238.68	MAR. 31	238.45	JUNE 29	238.94	SEP. 30	240.95

GROUND-WATER LEVELS

JEFFERSON PARISH

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-IN. PLASTIC LINER, 2.05 FT ABOVE LSD.

LSD 9 FT ABOVE NGVD.

HIGHEST WATER LEVEL 63.79 BELOW LSD, APR. 21, 1993,

LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1992	73.18	MAR. 8, 1993	68.16	APR. 21, 1993	63.79	JULY 29, 1993	75.83

JEFFERSON DAVIS PARISH

301355092463001 LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 318 FT, SCREENED 238-318. MP LOWER LIP OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.

LSD 24.1 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943,

LOWEST WATER LEVEL 95.00 BELOW LSD, JULY 21, 1980.

RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1992	61.14	FEB. 23, 1993	58.25	MAY 18, 1993	59.21	JULY 22, 1993	56.95

301300092584503 LOCAL WELL NUMBER: JD-485A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 290 FT, SCREENED 270-290. MP TOP OF 4-IN. CASING COLLAR, 3.00 FT ABOVE LSD.

LSD 21.36 FT ABOVE NGVD.

HIGHEST WATER LEVEL 46.91 BELOW LSD, APR. 7, 1992,

LOWEST WATER LEVEL 107.41 BELOW LSD, JULY 19, 1980.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	57.96	DEC. 15, 1992	52.69	MAY 25, 1993	64.32	AUG. 5, 1993	71.92
OCT. 10	57.77	DEC. 20	52.34	MAY 31	68.35	AUG. 10	69.53
OCT. 15	57.66	DEC. 25	52.07	JUNE 5	71.65	AUG. 15	71.10
OCT. 20	57.35	FEB. 5, 1993	49.79J	JUNE 10	84.81J	AUG. 20	72.28
OCT. 25	57.12	FEB. 23	55.30H	JUNE 15	79.45	AUG. 25	64.87
OCT. 31	56.66	MAR. 20	50.01	JUNE 20	73.23	AUG. 7	64.10
NOV. 3	56.14H	MAR. 23	50.31H	JUNE 25	67.21	AUG. 31	63.14
NOV. 5	55.85	MAR. 25	50.27	JUNE 30	63.85	SEP. 5	62.33
NOV. 10	55.30	APR. 25	59.31	JULY 5	62.70	SEP. 10	63.12
NOV. 15	54.77	APR. 30	62.02	JULY 10	82.57	SEP. 15	64.62
NOV. 25	54.04	MAY 5	59.57	JULY 22	70.79H	SEP. 20	62.03
NOV. 30	53.71	MAY 10	61.31	JULY 25	68.35	SEP. 25	61.44
DEC. 5	53.57	MAY 15	71.55	JULY 31	72.59	SEP. 30	60.15
DEC. 10	53.06	MAY 20	73.67				

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 666 FT, SCREENED 656-666. MP TOP OF CASING, 3.20 ABOVE LSD. LSD 22 FT ABOVE NGVD.

HIGHEST WATER LEVEL 54.42 BELOW LSD, APR. 4, 1990,

LOWEST WATER LEVEL 65.62 BELOW LSD, JULY 10, 1990.

RECORDS AVAILABLE 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1992	60.41	FEB. 23, 1993	61.40	MAY 18, 1993	62.49	JULY 22, 1993	59.22

LAFAYETTE PARISH

301426092000601 LOCAL WELL NUMBER: LF-662

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 100, T. 9S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 152 FT, SCREENED 146-152. MP TOP OF 1-IN. NIPPLE, 0.29 FT ABOVE LSD.

LSD 40.37 FT ABOVE NGVD.

HIGHEST WATER LEVEL 42.53 BELOW LSD, FEB. 22, 1993,

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
NOV. 3, 1992	43.51	FEB. 22, 1993	42.53	MAY 19, 1993	43.01	JULY 23, 1993	43.84

LASALLE PARISH

315444092122801 LOCAL WELL NUMBER: LA-254A

OWNER: CITY OF OLLA. (SEC. 30, T. 11N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COCKFIELD AQUIFER OF EOCENE AGE, DIAM 10 IN., DEPTH 510 FT, SCREENED 450-510. MP TOP OF 2-IN. ACCESS PIPE, 0.50 FT ABOVE LSD. LSD 160 FT ABOVE NGVD.

HIGHEST WATER LEVEL 74.00 BELOW LSD, APR. 12, 1993,

LOWEST WATER LEVEL 82.16 BELOW LSD, JUNE 21, 1990.

RECORDS AVAILABLE 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	76.33	JAN. 6, 1993	75.50	APR. 12, 1993	74.00	JULY 8, 1993	76.89

LINCOLN PARISH

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH. (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 TO 6 IN., DEPTH 686 FT, SCREENED 633-686. MP TOP OF 3/4-IN. HOLE IN PLATE 2.00 FT ABOVE LSD. RECORDER REMOVED FROM WELL SEP. 17, 1992.

LSD 155 FT ABOVE NGVD.

HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950,

LOWEST WATER LEVEL 173.16 BELOW LSD, JULY 2, 1992.

RECORDS AVAILABLE 1950, 1962, 1967-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1992	172.02	JAN. 4, 1993	172.21	APR. 5, 1993	172.08	JULY 6, 1993	172.97

GROUND-WATER LEVELS

LIVINGSTON PARISH

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCHEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,865 FT, SCREENED 1,825-1,865. MP CENTER LINE OF 3/4-IN. TEE, 1.20 FT ABOVE LSD.

LSD 46 FT ABOVE NGVD.

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
NOV. 9, 1992	+48.20	FEB. 1, 1993	+50.20	MAY 1, 1993	+48.70	JULY 26, 1993	+47.20

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 NGVD.

HIGHEST WATER LEVEL 10.98 BELOW LSD, APR. 14, 1967,

LOWEST WATER LEVEL 20.00 BELOW LSD, APR. 12, 1989.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1992	18.00	MAR. 1, 1993	17.25	MAY 11, 1993	16.65	JULY 26, 1993	18.00

302450090355601 LOCAL WELL NUMBER: LI-122

OWNER: BLOOD RIVER CHURCH OF GOD. (SEC. 45, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/2 IN., REPORTED DEPTH 500 FT, SCREENED 490-500. MP TOP EDGE OF 3/4-IN. NIPPLE, 0.50 FT ABOVE LSD.

LSD 11 FT ABOVE NGVD.

HIGHEST WATER LEVEL 13.40 ABOVE LSD, JULY 15, 1966,

LOWEST WATER LEVEL 2.09 ABOVE LSD, NOV. 1, 1989.

RECORDS AVAILABLE 1966, 1984, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1992	+4.40	MAR. 1, 1993	+5.10	MAY 11, 1993	+5.40	JULY 26, 1993	+6.95

302724090565801 LOCAL WELL NUMBER: LI-185

OWNER: CITY OF DENHAM SPRINGS. (SEC. 38, T. 7S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 IN., DEPTH 2,611 FT, SCREENED 2,531-2,611. MP BOTTOM LIP OF VENT ELBOW, 1.60 FT ABOVE LSD.

LSD 37 FT ABOVE NGVD.

HIGHEST WATER LEVEL 41.14 BELOW LSD, FEB. 3, 1989,

LOWEST WATER LEVEL 60.95 BELOW LSD, NOV. 9, 1992.

RECORDS AVAILABLE 1979, 1983, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1992	60.95	MAR. 1, 1993	59.16	MAY 11, 1993	55.13	JULY 26, 1993	60.93

See footnotes at end of table.

GROUND-WATER LEVELS

MADISON PARISH

322614091122001 LOCAL WELL NUMBER: MA-64

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 17N., R. 12E.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 117 FT, SCREENED 112-117. MP TOP OF CASING, AT LSD.

LSD 80 FT ABOVE NGVD.

HIGHEST WATER LEVEL 5.40 BELOW LSD, APR. 23, 1991,

LOWEST WATER LEVEL 16.01 BELOW LSD, JUNE 8, 1988.

RECORDS AVAILABLE 1975, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1992	10.79	MAR.10, 1993	8.35	JULY 6, 1993	10.13	AUG. 31, 1993	14.67
JAN. 4, 1993	8.30	APR. 26	6.46				

322428091130201 LOCAL WELL NUMBER: MA-65

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 17N., R. 12E.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 119 FT, SCREENED 114-119. MP TOP OF CASING, 0.60 ABOVE LSD.

LSD 78 FT ABOVE NGVD.

HIGHEST WATER LEVEL 5.15 BELOW LSD, MAR. 12, 1991,

LOWEST WATER LEVEL 10.56 BELOW LSD, AUG. 31, 1993.

RECORDS AVAILABLE 1975, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1993	5.53	AUG. 31, 1993	10.56				

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 NGVD.

HIGHEST WATER LEVEL 143.59 BELOW LSD, JUNE 6, 1989,

LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	150.33	JAN. 5, 1993	153.84	MAY 31, 1993	153.19	JULY 7, 1993	159.29

323806091530401 LOCAL WELL NUMBER: MO-67

OWNER: D.W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.

LSD 73.51 FT ABOVE NGVD.

HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961,

LOWEST WATER LEVEL 23.88 BELOW LSD, SEP. 1, 1982.

RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1992	10.48	JAN. 5, 1993	5.30	APR. 5, 1993	4.47	JULY 7, 1993	5.82

GROUND-WATER LEVELS

MOREHOUSE PARISH--Continued

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 620 FT, SCREENED 610-620. MP TOP OF BUSHING, 3.68 FT ABOVE LSD. LSD 88.34 FT ABOVE NGVD.

HIGHEST WATER LEVEL 86.75 BELOW LSD, SEP. 3, 1991,

LOWEST WATER LEVEL 103.30 BELOW LSD, AUG. 20, 1981.

RECORDS AVAILABLE 1968-81, 1985-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1993	88.60	SEP. 21, 1993	90.79				

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCK-FIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 176 FT, SCREENED 166-176. MP TOP OF BUSHING, 3.72 FT ABOVE LSD. LSD 88.41 FT ABOVE NGVD.

HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,

LOWEST WATER LEVEL 13.79 BELOW LSD, AUG. 26, 1981.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	7.09	JAN. 5, 1993	2.86	MAR. 31, 1993	3.81	JULY 7, 1993	4.35

324647091543806 LOCAL WELL NUMBER: MO-657

OWNER: THE PEOPLES WATER SERVICE CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 97 FT, SCREENED 57-97. MP TOP OF CASING, 2.90 FT ABOVE LSD. LSD 126.64 FT ABOVE NGVD.

HIGHEST WATER LEVEL 55.53 BELOW LSD, JULY 9, 1990,

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. 7, 1992	56.45	JAN. 5, 1993	55.94	APR. 5, 1993	55.23		

325356091344801 LOCAL WELL NUMBER: MO-708

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED UNUSED OBSERVATION WELL IN THE COCK-FIELD AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 376 FT, SCREENED 246-266 AND 256-762. MP TOP OF CASING, AT LSD.

LSD 96 FT ABOVE NGVD.

HIGHEST WATER LEVEL 26.28 BELOW LSD, APR. 5, 1993,

LOWEST WATER LEVEL 28.80 BELOW LSD, MAR. 21, 1990.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	28.39	JAN. 5, 1993	27.25	APR. 5, 1993	26.28	JULY 14, 1993	27.92

GROUND-WATER LEVELS
MOREHOUSE PARISH--Continued

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 620 FT, SCREENED 610-620. MP TOP OF BUSHING, 3.68 FT ABOVE LSD.
LSD 88.34 FT ABOVE NGVD.
HIGHEST WATER LEVEL 86.75 BELOW LSD, SEP. 3, 1991,
LOWEST WATER LEVEL 103.30 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1968-81, 1985-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1993	88.60	SEP. 21, 1993	90.79				

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCK-FIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 176 FT, SCREENED 166-176. MP TOP OF BUSHING, 3.72 FT ABOVE LSD.
LSD 88.41 FT ABOVE NGVD.
HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,
LOWEST WATER LEVEL 13.79 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	7.09	JAN. 5, 1993	2.86	MAR. 31, 1993	3.81	JULY 7, 1993	4.35

324647091543806 LOCAL WELL NUMBER: MO-657

OWNER: THE PEOPLES WATER SERVICE CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 97 FT, SCREENED 57-97. MP TOP OF CASING, 2.90 FT ABOVE LSD.
LSD 126.64 FT ABOVE NGVD.
HIGHEST WATER LEVEL 55.53 BELOW LSD, JULY 9, 1990,
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. 7, 1992	56.45	JAN. 5, 1993	55.94	APR. 5, 1993	55.23		

325356091344801 LOCAL WELL NUMBER: MO-708

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED UNUSED OBSERVATION WELL IN THE COCK-FIELD AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 376 FT, SCREENED 246-266 AND 256-762. MP TOP OF CASING, AT LSD.
LSD 96 FT ABOVE NGVD.
HIGHEST WATER LEVEL 26.28 BELOW LSD, APR. 5, 1993,
LOWEST WATER LEVEL 28.80 BELOW LSD, MAR. 21, 1990.
RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	28.39	JAN. 5, 1993	27.25	APR. 5, 1993	26.28	JULY 14, 1993	27.92

GROUND-WATER LEVELS
MOREHOUSE PARISH--Continued

325826091280401 LOCAL WELL NUMBER: MO-710

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 17, T. 23N., R. 10E.) DRILLED OBSERVATION ARTESIAN WEL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 130 FT, SCREENED 120-130. MP TOP OF CASING, AT LSD.

LSD 99 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.29 BELOW LSD, SEP. 3, 1991,

LOWEST WATER LEVEL 16.08 BELOW LSD, SEP. 1, 1992.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1993	14.63	AUG. 30, 1993	15.04				

325359091344802 LOCAL WELL NUMBER: MO-842

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 22N., R. 9E.) DRILLED UNUSED OBSERVATION WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 90 FT, SCREENED 88-90. MP TOP OF BUSHING, AT LSD.

LSD 96 FT ABOVE NGVD.

HIGHEST WATER LEVEL 30.49 BELOW LSD, JULY 1, 1992,

LOWEST WATER LEVEL 34.58 BELOW LSD, SEP. 1, 1992.

RECORDS AVAILABLE 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	34.48	MAR. 18, 1993	32.40	JULY 7, 1993	32.78	SEP. 21, 1993	34.20
JAN. 5, 1993	33.11	APR. 21	32.21				

NATCHITOCHES PARISH

312934093114801 LOCAL WELL NUMBER: NA-9

OWNER: U.S. FOREST SERVICE. (SEC. 21, T. 6N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN IN COCKFIELD AQUIFER OF EOCENE AGE, DIAM 4 IN., DEPTH 1,300 FT, SCREENED 1,200-1,300. MP TOP OF SANITARY SEAL, 1.70 FT ABOVE LSD.

LSD 185 FT ABOVE NGVD.

HIGHEST WATER LEVEL 7.42 ABOVE LSD, JULY 18, 1991,

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. 22, 1992	9.46	JAN. 21, 1993	8.17	MAR. 30, 1993	7.57	JULY 7, 1993	7.43

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.

LSD 102.59 FT ABOVE NGVD.

HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969,

LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1992	8.58	JAN. 26, 1993	2.93	APR. 20, 1993	2.40	JULY 9, 1993	4.24
DEC. 10	5.37	FEB. 23	4.84	MAY 26	4.56	AUG. 30	7.11

GROUND-WATER LEVELS
ORLEANS PARISH

295652090020101 LOCAL WELL NUMBER: OR-42

OWNER: U.S. NAVY. (SEC. 16, T. 13S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., REPORTED DEPTH 775 FT, SCREENED 664-775. MP TOP OF 2 X 6-IN. RECORDER BASE, 1.00 FT ABOVE LSD.

LSD 10 FT ABOVE NGVD.

HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942,

LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.

RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	80.97J	DEC. 5, 1992	75.53	JUNE 15, 1993	75.18	AUG. 10, 1993	77.74
OCT. 10	80.89	DEC. 9	74.64	JUNE 20	74.94	AUG. 15	78.16
OCT. 15	80.95	DEC. 10	74.61	JUNE 25	75.76	AUG. 20	78.72
OCT. 20	80.26	MAR. 9, 1993	73.54H	JUNE 30	75.77	AUG. 25	79.05
OCT. 25	79.90	MAY 6	72.07H	JULY 5	75.77	AUG. 31	79.39
OCT. 31	79.05	MAY 10	72.11	JULY 10	76.36	SEP. 5	79.87
NOV. 5	78.47	MAY 15	72.54	JULY 15	76.17	SEP. 10	80.17
NOV. 10	78.27	MAY 20	73.29	JULY 20	76.08	SEP. 15	80.26
NOV. 15	77.30	MAY 25	73.71	JULY 25	76.47	SEP. 20	80.43
NOV. 20	76.91	MAY 31	73.96	JULY 29	76.85H	SEP. 25	80.70
NOV. 25	76.26	JUNE 5	74.38	JULY 31	77.07	SEP. 30	80.93
NOV. 30	75.58	JUNE 10	74.85	AUG. 5	77.43		

300525089464001 LOCAL WELL NUMBER: OR-175

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 449 FT, SCREENED 439-449. MP TOP OF 2-IN. COLLAR, 0.60 FT ABOVE LSD.

LSD 10 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963,

LOWEST WATER LEVEL 37.74 BELOW LSD, NOV. 1, 1988.

RECORDS AVAILABLE 1963, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1992	36.69	MAR. 9, 1993	36.51	APR. 22, 1993	33.59	JULY 30, 1993	37.72

300959089441901 LOCAL WELL NUMBER: OR-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 10S., R. 15E.) DRILLED OBSERVATION ARTESIAN WELL IN ABITA AQUIFER (ZONE 2) OF PLEISTOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,434 FT, SCREENED 2,429-2,434. MP CENTER LINE OF DISCHARGE PIPE, 2.90 FT ABOVE LSD.

LSD 4 FT ABOVE NGVD.

HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965,

LOWEST WATER LEVEL 53.90 ABOVE LSD, AUG. 19, 1992.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1992	+56.40	MAR. 9, 1993	+57.40	APR. 22, 1993	+53.90	JULY 30, 1993	+55.40

See footnotes at end of table.

GROUND-WATER LEVELS
ORLEANS PARISH--Continued

300349089562401 LOCAL WELL NUMBER: OR-203

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 11S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 453 FT, SCREENED 448-453. MP TOP OF 2-IN. CASING, 0.50 FT BELOW LSD.

LSD 5 FT BELOW NGVD.

HIGHEST WATER LEVEL 58.42 BELOW LSD, FEB. 5, 1993,

LOWEST WATER LEVEL 81.72 ABOVE LSD, SEP. 29, 1981.

RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 5, 1993	58.42	APR. 23, 1993	66.93				

300149090041701 LOCAL WELL NUMBER: OR-214

OWNER: UNIV. OF NEW ORLEANS. (SEC. 108, T. 12S., R. 11E.) DRILLED AIR CONDITIONING SUPPLY ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 3/4 IN., DEPTH 630 FT, SCREENED 527-630. MP TOP OF 2-IN. CASING, 2.00 FT BELOW LSD.

LSD 5 FT BELOW NGVD.

HIGHEST WATER LEVEL 95.07 BELOW LSD, APR. 22, 1993,

LOWEST WATER LEVEL 135.00 BELOW LSD, AUG. 16, 1984.

RECORDS AVAILABLE 1984, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1992	116.79	MAR. 9, 1993	117.00	APR. 22, 1993	95.07	JULY 30, 1993	117.46

OUACHITA PARISH

322843092084401 LOCAL WELL NUMBER: OU-80

OWNER: RIVERWOOD INTERNATIONAL, USA. (SEC. 10, T. 17N., R. 3E.) DRILLED INDUSTRIAL WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 16 TO 10 IN., DEPTH 721 FT, SCREENED 607-721. MP TOP OF RECORDER SHELF, 0.25 FT ABOVE LSD. RECORDER INSTALLED SEP. 18, 1992.

LSD 60 FT ABOVE NGVD.

HIGHEST WATER LEVEL 194.60 BELOW LSD, MAY 3, 1956,

LOWEST WATER LEVEL 280.73 BELOW LSD, SEP. 1, 1993.

RECORDS AVAILABLE 1956, 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	265.18	JAN. 6, 1993	256.65H	APR. 7, 1993	246.80J	JULY 7, 1993	266.10
OCT. 10	262.90	JAN. 10	251.64	APR. 10	251.30	JULY 10	259.04
OCT. 15	267.30	JAN. 15	252.16	APR. 13	256.92H	JULY 15	258.06
OCT. 20	264.59	JAN. 20	255.59	APR. 15	252.37	JULY 19	255.56J
OCT. 23	267.88H	JAN. 25	252.21	APR. 20	255.67	JULY 20	256.82
OCT. 25	268.33	JAN. 31	260.18	APR. 25	255.22	JULY 25	258.51
OCT. 28	269.53J	FEB. 5	256.12	APR. 30	260.20	JULY 31	272.75
OCT. 31	267.81	FEB. 10	252.05	MAY 5	260.09	AUG. 5	273.02
NOV. 5	264.59	FEB. 13	250.55	MAY 10	258.77	AUG. 10	275.62
NOV. 10	262.82	FEB. 15	254.77	MAY 15	253.60	AUG. 15	274.28
NOV. 15	260.10	FEB. 20	252.10	MAY 20	258.98	AUG. 20	275.29
NOV. 20	265.60	FEB. 25	257.88	MAY 25	254.67	AUG. 25	277.87
NOV. 25	265.08	FEB. 28	260.98	MAY 31	261.38	AUG. 31	280.66
NOV. 30	269.38	MAR. 1	261.66J	JUNE 5	263.32	SEP. 1	280.73J
DEC. 5	261.28	MAR. 5	260.01	JUNE 10	266.81	SEP. 5	279.60
DEC. 10	261.72	MAR. 10	255.77	JUNE 15	267.02	SEP. 10	275.86
DEC. 15	255.37	MAR. 15	258.62	JUNE 16	268.39J	SEP. 15	276.86
DEC. 20	257.01	MAR. 20	257.95	JUNE 20	267.60	SEP. 20	276.71
DEC. 25	255.65	MAR. 25	255.65	JUNE 25	264.94	SEP. 25	275.95
DEC. 31	254.10	MAR. 31	255.32	JUNE 30	265.83	SEP. 30	277.23
JAN. 5, 1993	252.17	APR. 5	251.92	JULY 5	256.83		

GROUND-WATER LEVELS
OUACHITA PARISH--Continued

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD. LSD 62.28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967,
LOWEST WATER LEVEL 101.60 BELOW LSD, MAR. 23, 1982.
RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1993	99.60						

321714092041401 LOCAL WELL NUMBER: OU-402

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 750 FT, SCREENED 740-750. MP TOP OF BUSHING, 0.25 FT ABOVE LSD. LSD 63.3 FT ABOVE NGVD.
HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965,
LOWEST WATER LEVEL 53.02 BELOW LSD, SEP. 16, 1993.
RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1993	52.27	SEP. 16, 1993	53.02				

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 460 FT, SCREENED 453-460. MP TOP OF BUSHING, 0.35 FT ABOVE LSD. LSD 63.3 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967,
LOWEST WATER LEVEL 62.29 BELOW LSD, SEP. 16, 1993.
RECORDS AVAILABLE 1965-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1993	61.15	SEP. 16, 1993	62.29				

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD. LSD 66.66 FT ABOVE NGVD.
HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968,
LOWEST WATER LEVEL 124.12 BELOW LSD, SEP. 16, 1993.
RECORDS AVAILABLE 1965-71, 1974-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1993	120.50	SEP. 16, 1993	124.12				

GROUND-WATER LEVELS
OUACHITA PARISH--Continued

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 670 FT, SCREENED 660-670. MP TOP OF CASING, 3.60 FT ABOVE LSD. LSD 118 FT ABOVE NGVD.

HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969,

LOWEST WATER LEVEL 224.70 BELOW LSD, OCT. 9, 1990.

RECORDS AVAILABLE 1969-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1992	220.09	JAN. 7, 1993	218.13	APR. 13, 1993	216.83	JULY 15, 1993	219.30

POINTE COUPEE PARISH

304939091422101 LOCAL WELL NUMBER: PC-39

OWNER: C. FLINT. (SEC. 13, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 460 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF REDUCER AT WELL, 1.30 FT ABOVE LSD.

LSD 41 FT ABOVE NGVD.

HIGHEST WATER LEVEL 3.19 ABOVE LSD, MAY 23, 1973,

LOWEST WATER LEVEL 26.64 BELOW LSD, DEC. 4, 1963.

RECORDS AVAILABLE 1951, 1961, 1963-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	17.53	FEB. 24, 1993	15.50	APR. 29, 1993	16.50	JULY 7, 1993	17.58

303556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,530 FT, SCREENED 1,490-1,530. MP HOLE IN SANITARY SEAL, 2.12 FT ABOVE LSD.

LSD 33 FT ABOVE NGVD.

HIGHEST WATER LEVEL 20.10 ABOVE LSD, FEB. 2, 1961,

LOWEST WATER LEVEL 64.42 BELOW LSD, DEC. 6, 1990.

RECORDS AVAILABLE 1961-63, 1964-69, 1970-71, 1988, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	59.93	FEB. 24, 1993	61.08	APR. 29, 1993	62.08	JULY 7, 1993	58.66

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: THEO H. GLAZIER, SR. (SEC. 16, T. 6S., R. 9E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 2,294 FT, SCREENED 2,259-2,294. MP CENTER LINE OF DISCHARGE PIPE, 0.80 FT ABOVE LSD.

LSD 26 FT ABOVE NGVD.

HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960,

LOWEST WATER LEVEL 2.10 ABOVE LSD, OCT. 5, 1990.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	+5.30	FEB. 24, 1993	+4.30	APR. 29, 1993	+5.20	JULY 7, 1993	+4.10

See footnotes at end of table.

GROUND-WATER LEVELS
 POINTE COUPEE PARISH--Continued

303357091330401 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16, T. 6S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., REPORTED DEPTH 1,637 FT, SCREENED 1,617-1,637. MP TOP OF 3-IN COLLAR, 0.60 FT ABOVE LSD.

LSD 27 FT ABOVE NGVD.

HIGHEST WATER LEVEL 16.64 BELOW LSD, MAY 23, 1973,

LOWEST WATER LEVEL 39.55 BELOW LSD, NOV. 11, 1992.

RECORDS AVAILABLE 1972-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	39.55	FEB. 24, 1993	38.70	APR. 29, 1993	38.72	JULY 7, 1993	36.50

305023091393901 LOCAL WELL NUMBER: PC-143

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,228 FT, SCREENED 1,218-1,228. MP 3/8-IN. HOLE IN 2-IN. PLUG ATOP WELL, 2.50 FT ABOVE LSD.

LSD 41 FT ABOVE NGVD.

HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968,

LOWEST WATER LEVEL 9.85 BELOW LSD, OCT. 5, 1990.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	8.40	FEB. 24, 1993	8.09	APR. 29, 1993	8.07	JULY 7, 1993	8.45

305023091393902 LOCAL WELL NUMBER: PC-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 835 FT, SCREENED 825-835. MP TOP EDGE 1/4-IN. HOLE IN 2-IN. TEE, 2.66 FT ABOVE LSD.

LSD 41 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968,

LOWEST WATER LEVEL 10.19 BELOW LSD, OCT. 5, 1990.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	9.32	FEB. 24, 1993	8.64	APR. 29, 1993	8.62	JULY 7, 1993	9.59

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 1,263 FT, SCREENED 1,174-1,228 AND 1,237-1,263. MP TOP OF BREATHER PIPE, 1.00 FT ABOVE LSD.

LSD 36 FT ABOVE NGVD.

HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975,

LOWEST WATER LEVEL 69.89 BELOW LSD, FEB. 20, 1990.

RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 24, 1993	64.60	APR. 29, 1993	64.50	JULY 7, 1993	66.55		

GROUND-WATER LEVELS
POINTE COUPEE PARISH--Continued

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN SAND "1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 990 FT, SCREENED 970-990. MP TOP OF BOLT HOLE ON NW SIDE OF SANITARY SEAL, 0.35 FT ABOVE LSD.

LSD 25 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 8, 1975,

LOWEST WATER LEVEL 33.50 BELOW LSD, OCT. 19, 1988.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	31.85	FEB. 24, 1993	31.09	APR. 29, 1993	31.15	JULY 7, 1993	31.78

RAPIDES PARISH

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 220.55 FT ABOVE NGVD.

HIGHEST WATER LEVEL 50.44 BELOW LSD, JULY 9, 1993,

LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.

RECORDS AVAILABLE 1966-86, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	50.99	JAN. 5, 1993	50.81	APR. 9, 1993	50.49	JULY 9, 1993	50.44

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.

LSD 300 FT ABOVE NGVD.

HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969,

LOWEST WATER LEVEL 218.71 BELOW LSD, JAN. 6, 1993.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	217.30	JAN. 6, 1993	218.71	APR. 8, 1993	218.22	JULY 7, 1993	218.08

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 1,555 FT, SCREENED 1,545-1,555. MP TOP OF BUSHING, 0.55 FT BELOW LSD.

LSD 240 FT ABOVE NGVD.

HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977,

LOWEST WATER LEVEL 246.18 BELOW LSD, APR. 24, 1991.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	241.91	JAN. 5, 1993	242.04	APR. 9, 1993	242.35	JULY 9, 1993	242.87

GROUND-WATER LEVELS
RAPIDES PARISH--Continued

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 500 FT, SCREENED 490-500. MP TOP OF BUSHING, AT LSD.

LSD 100 FT ABOVE NGVD.

HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975,

LOWEST WATER LEVEL 53.48 BELOW LSD, AUG. 19, 1986.

RECORDS AVAILABLE 1975-84, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1992	49.41	JAN. 5, 1993	49.17	APR. 9, 1993	51.55	JULY 9, 1993	51.97

310007092431601 LOCAL WELL NUMBER: R-1207

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 2,772 FT, SCREENED 2,752-2,772. MP TOP OF BUSHING, 4.20 FT ABOVE LSD.

LSD 180 FT ABOVE NGVD.

HIGHEST WATER LEVEL 56.10 BELOW LSD, DEC. 1, 1981,

LOWEST WATER LEVEL 76.48 BELOW LSD, JULY. 9, 1993.

RECORDS AVAILABLE 1981-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1992	75.90	JAN. 5, 1993	75.79	APR. 7, 1993	75.84	JULY 9, 1993	76.48

RED RIVER PARISH

320316093114201 LOCAL WELL NUMBER: RR-278

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 12N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, AT LSD.

LSD 160 FT ABOVE NGVD.

HIGHEST WATER LEVEL 17.67 BELOW LSD, MAR. 29, 1993,

LOWEST WATER LEVEL 20.58 BELOW LSD, NOV. 24, 1982.

RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1992	18.58	JAN. 6, 1993	17.78	MAR. 29, 1993	17.67	JULY 7, 1993	17.85

320019093225603 LOCAL WELL NUMBER: RR-280

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 42 FT, SCREENED 39-42. MP TOP OF CASING, 4.70 FT ABOVE LSD.

LSD 128 FT ABOVE NGVD.

HIGHEST WATER LEVEL 1.00 BELOW LSD, JUNE 4, 1990,

LOWEST WATER LEVEL 15.20 BELOW LSD, OCT. 16, 1984.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1992	11.84	JAN. 21, 1993	3.21	APR. 20, 1993	2.79	APR. 23, 1993	3.17

GROUND-WATER LEVELS
RICHLAND PARISH

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 26, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD.
LSD 84 FT ABOVE NGVD.

HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975,

LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.

RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	19.38	JAN. 5, 1993	19.28	MAR. 29, 1993	19.42	JULY 6, 1993	18.69

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD.

LSD 80 FT ABOVE NGVD.

HIGHEST WATER LEVEL 9.08 BELOW LSD, APR. 3, 1992,

LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	10.22	JAN. 5, 1993	9.89	MAR. 29, 1993	9.98	JULY 6, 1993	9.19

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 67 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.90 FT ABOVE LSD.

LSD 95 FT ABOVE NGVD.

HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978,

LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1993	33.24	SEP. 21, 1993	32.60				

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, 4.35 FT ABOVE LSD.

LSD 95 FT ABOVE NGVD.

HIGHEST WATER LEVEL 31.65 BELOW LSD, MAR. 9, 1992,

LOWEST WATER LEVEL 34.95 BELOW LSD, DEC. 4, 1972.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1993	32.28	SEP. 21, 1993	31.93				

GROUND-WATER LEVELS
RICHLAND PARISH--Continued

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 1.60 FT ABOVE LSD.

LSD 95 FT ABOVE NGVD.

HIGHEST WATER LEVEL 31.65 BELOW LSD, MAR. 9, 1992,

LOWEST WATER LEVEL 34.53 BELOW LSD, SEP. 22, 1982.

RECORDS AVAILABLE 1974-84, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1993	32.22	SEP. 21, 1993	31.98				

SABINE PARISH

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 10 IN., DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.80 FT ABOVE LSD.

LSD 220 FT ABOVE NGVD.

HIGHEST WATER LEVEL 3.34 BELOW LSD, MAR. 21, 1961,

LOWEST WATER LEVEL 16.93 BELOW LSD, MAR. 1, 1982.

RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1992	12.79	JAN. 6, 1993	8.29	MAR. 31, 1993	6.61	JULY 9, 1993	7.38

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 FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 544 FT, SCREENED 539-544. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 242 FT ABOVE NGVD.

HIGHEST WATER LEVEL 23.49 BELOW LSD, MAR. 31, 1993,

LOWEST WATER LEVEL 26.30 BELOW LSD, NOV. 13, 1979.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	24.15	JAN. 6, 1993	23.57	MAR. 31, 1993	23.49	JULY 9, 1993	23.74

ST. CHARLES PARISH

300022090241001 LOCAL WELL NUMBER: SC-9

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 24 IN., DEPTH 808 FT, SCREENED 673-808. MP TOP OF 2-IN. COLLAR ON STEEL PLATE, AT LSD.

LSD 4.79 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.40 BELOW LSD, JAN. 19, 1950,

LOWEST WATER LEVEL 39.98 BELOW LSD, SEP. 14, 1953.

RECORDS AVAILABLE 1943, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1992	23.55	MAR. 8, 1993	24.04	MAY 6, 1993	22.15	JULY 29, 1993	25.72

GROUND-WATER LEVELS
ST. CHARLES PARISH--Continued

300022090241002 LOCAL WELL NUMBER: SC-14

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN., DEPTH 404 FT, SCREENED 324-404. MP BOTTOM EDGE OF DOOR ON CULVERT, 1.35 FT ABOVE LSD.

LSD 5.51 FT ABOVE NGVD.

HIGHEST WATER LEVEL 15.22 BELOW LSD, MAY 5, 1988,

LOWEST WATER LEVEL 90.74 BELOW LSD, SEP. 17, 1957.

RECORDS AVAILABLE 1942, 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1992	28.59	MAR. 8, 1993	25.60	MAY 6, 1993	27.60	JULY 29, 1993	26.79

ST. HELENA PARISH

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: TWO-B RANCH. (SEC. 73, T. 2S., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,135 FT, SCREENED 2,106-2,135. MP 3/8-IN. HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.

LSD 165 FT ABOVE NGVD.

HIGHEST WATER LEVEL 53.70 BELOW LSD, JUNE 25, 1960,

LOWEST WATER LEVEL 87.97 BELOW LSD, JAN. 30, 1989.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1992	85.55	MAR. 1, 1993	83.27	MAY 11, 1993	81.32	JULY 26, 1993	85.08

ST. JAMES PARISH

300024090433501 LOCAL WELL NUMBER: SJ-86

OWNER: RICHARD J. BRAZAN. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 290 FT, SCREENED 280-290. MP TOP OF 2-IN. NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.

LSD 18.3 FT ABOVE NGVD.

HIGHEST WATER LEVEL 3.76 BELOW LSD, MAY 8, 1991,

LOWEST WATER LEVEL 19.00 BELOW LSD, OCT. 31, 1963.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1992	13.76	MAR. 9, 1993	12.75	MAY 6, 1993	4.80	JULY 30, 1993	7.88

300445090520301 LOCAL WELL NUMBER: SJ-203

OWNER: RIVER ROAD FARM SUPPLY CO. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN THE NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 444 FT, SCREENED 384-444. MP TOP 1 1/2-IN. BREATHER PIPE, 0.65 FT ABOVE LSD.

LSD 19 FT ABOVE NGVD.

HIGHEST WATER LEVEL 2.57 BELOW LSD, MAY 8, 1991,

LOWEST WATER LEVEL 18.74 BELOW LSD, MAR. 29, 1988.

RECORDS AVAILABLE 1975, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1992	15.05	MAR. 9, 1993	14.05	MAY 6, 1993	12.70	JULY 30, 1993	13.74

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 GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 315 FT, SCREENED 305-315. MP TOP OF 4-IN. CAP, 2.60 FT ABOVE LSD.

LSD 17.71 FT ABOVE NGVD.

HIGHEST WATER LEVEL 3.91 BELOW LSD, MAY 17, 1973,

LOWEST WATER LEVEL 21.34 BELOW LSD, JAN. 13, 1964.

RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1992	13.91	MAR. 9, 1993	12.92	MAY 6, 1993	11.95	JULY 30, 1993	17.46

301247090245901 LOCAL WELL NUMBER: SJB-165

OWNER: CONSOLIDATED WW DIST NO. 1. (SEC. 5, T. 10S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN., DEPTH 3,000 FT, SCREENED 2,900-3,000. MP CENTER LINE OF SAMPLE FAUCET IN HORIZONTAL 12-IN CASING, 3.40 FT ABOVE LSD.

LSD 6 FT ABOVE NGVD.

HIGHEST WATER LEVEL 94.80 ABOVE LSD, SEP. 23, 1974,

LOWEST WATER LEVEL 51.90 ABOVE LSD, SEP. 3, 1993.

RECORDS AVAILABLE 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1992	+62.40	MAY 12, 1993	+61.60	JULY 28, 1993	+60.20	SEP. 3, 1993	+51.90
MAR. 3, 1993	+61.20						

301336090244101 LOCAL WELL NUMBER: SJB-176

OWNER: ST JOHN THE BAPTIST PARISH. (SEC. 33, T. 9S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER OF 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, 2.94 FT ABOVE LSD.

LSD 5.4 FT ABOVE NGVD.

HIGHEST WATER LEVEL 72.19 ABOVE LSD, SEP. 16, 1985,

LOWEST WATER LEVEL 55.74 ABOVE LSD, SEP. 3, 1993.

RECORDS AVAILABLE 1985, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1993	+57.30	MAY 12, 1993	+59.30	JULY 28, 1993	+60.00	SEP. 3, 1993	+55.74

301143090260101 LOCAL WELL NUMBER: SJB-180

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 10S., R. 8E.) DRILLED OBSERVATION UNUSED WELL IN COVINGTON AQUIFER OF 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 NGVD.

HIGHEST WATER LEVEL 66.30 ABOVE LSD, MAY 12, 1993,

LOWEST WATER LEVEL 63.00 ABOVE LSD, MAR. 3, 1993.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1993	+63.00	MAY 12, 1993	+66.30	JULY 28, 1993	+63.50	SEP. 3, 1993	+65.10

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN. PIPE, 4.00 FT ABOVE LSD.

LSD 55.23 FT ABOVE NGVD.

HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958,

LOWEST WATER LEVEL 59.32 BELOW LSD, JULY 22, 1993.

RECORDS AVAILABLE 1957-72, 1974-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1992	54.75	FEB. 22, 1993	53.80	MAY 18, 1993	54.59	JULY 22, 1993	59.32

ST. MARTIN PARISH

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 505 FT, SCREENED 500-505. MP TOP OF 2-IN. CASING, 3.0 FT ABOVE LSD.

LSD 11.34 FT ABOVE NGVD.

HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973,

LOWEST WATER LEVEL 9.13 BELOW LSD, NOV. 11, 1987.

RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 2, 1993	.47	APR. 19, 1993	.37				

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 375 FT, SCREENED 370-375. MP TOP OF 2-IN. CASING, 2.40 FT ABOVE LSD.

LSD 11.34 FT ABOVE NGVD.

HIGHEST WATER LEVEL 2.94 ABOVE LSD, FEB. 27, 1974,

LOWEST WATER LEVEL 10.38 BELOW LSD, NOV. 11, 1987.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1992	1.17	FEB. 22, 1993	1.10	MAY 19, 1993	1.98	JULY 23, 1993	1.15
NOV. 10	7.57	APR. 19	.95				

300947091472102 LOCAL WELL NUMBER: SMN-134B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 10S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 846 FT, SCREENED 836-846. MP TOP OF 2-IN. CASING, 3.50 FT ABOVE LSD.

LSD 20 FT ABOVE NGVD.

HIGHEST WATER LEVEL 10.42 BELOW LSD, JUNE 4, 1975,

LOWEST WATER LEVEL 20.30 BELOW LSD, MAY 19, 1993.

RECORDS AVAILABLE 1975-79, 1981, 1983, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1992	16.15	FEB. 22, 1993	16.41	MAY 19, 1993	20.30	JULY 23, 1993	16.03

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 CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 638 FT, SCREENED 628-638. MP TOP OF 1 1/2-IN. PIPE, 1.66 FT ABOVE LSD.

LSD 8.72 FT ABOVE NGVD.

HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 15, 1965,

LOWEST WATER LEVEL 10.25 BELOW LSD, DEC. 20, 1976.

RECORDS AVAILABLE 1964-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1992	8.98	JUNE 15, 1993	7.04				

ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: LOUISIANA OFFICE OF STATE PARKS. (SEC. 37, T. 8S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN BIG-BRANCH AQUIFER (ZONE 1) OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 1,525 FT, SCREENED INTERVAL UNKNOWN. MP CENTER LINE OF 1/4-IN. DISCHARGE LINE, 2.30 FT BELOW LSD.

LSD 10 FT ABOVE NGVD.

HIGHEST WATER LEVEL 55.90 ABOVE LSD, JULY 25, 1940,

LOWEST WATER LEVEL 23.40 ABOVE LSD, JULY 14, 1989.

RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	+24.20	MAR. 3, 1993	+25.20	MAY 12, 1993	+27.20	JULY 28, 1993	+24.90

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLEISTOCENE AGE, DIAM 10 IN., DEPTH 2,411 FT, SCREENED 2,262-2,411. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 4.40 FT ABOVE LSD.

LSD 10.24 FT ABOVE NGVD.

HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,

LOWEST WATER LEVEL 54.50 ABOVE LSD, OCT. 9, 1985.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	+58.50	MAR. 3, 1993	+57.00	MAY 12, 1993	+55.20	JULY 28, 1993	+57.80

301920089560801 LOCAL WELL NUMBER: ST-576

OWNER: HOLY REDEEMER COLLEGE. (SEC. 43, T. 8S., R. 13E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLEISTOCENE AGE, DIAM 7 IN., DEPTH 2,334 FT, SCREENED 2,238-2,334. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 2.00 FT ABOVE LSD.

LSD 17 FT ABOVE NGVD.

HIGHEST WATER LEVEL 108.00 ABOVE LSD, FEB. 23, 1961,

LOWEST WATER LEVEL 52.50 ABOVE LSD, OCT. 16, 1990.

RECORDS AVAILABLE 1961, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	+53.00	MAR. 3, 1993	+56.50	MAY 12, 1993	+54.60	JULY 28, 1993	+55.80

See footnotes at end of table.

GROUND-WATER LEVELS

301838089485002 LOCAL WELL NUMBER: ST-776

OWNER: LOUISIANA NATIONAL GUARD. (SEC. 32, T. 8S., R. 14E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN LOWER PONCHATOULA AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 8 TO 4 IN., DEPTH 887 FT, SCREENED 862-887. MP TOP OF CASING, 3.10 FT ABOVE LSD.

LSD 16 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.60 ABOVE LSD, NOV. 11, 1992,

LOWEST WATER LEVEL 4.70 ABOVE LSD, OCT. 16, 1990.

RECORDS AVAILABLE 1982, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	+12.60	MAR. 3, 1993	+9.60	MAY 12, 1993	+6.58	JULY 28, 1993	+9.45

TANGIPAHOA PARISH

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 3S., R. 7E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,013 FT, SCREENED 1,951-2,013. MP TOP OF 3/4-IN. VALVE, 3.65 FT ABOVE LSD.

LSD 130.86 FT ABOVE NGVD.

HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,

LOWEST WATER LEVEL 33.71 BELOW LSD, SEP. 27, 1993.

RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1993	31.73	MAR. 1, 1993	29.65	MAY 11, 1993	24.45	SEP. 27, 1993	33.71

302957090274001 LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN., DEPTH 2,449 FT, SCREENED 2,365-2,449. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 2.70 FT ABOVE LSD.

LSD 35 FT ABOVE NGVD.

HIGHEST WATER LEVEL 128.00 ABOVE LSD, OCT. 21, 1956,

LOWEST WATER LEVEL 14.30 ABOVE LSD, OCT. 18, 1988.

RECORDS AVAILABLE 1956-85, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1992	+18.00	MAR. 1, 1993	+21.20	JUNE 16, 1993	+17.50	JULY 28, 1993	+16.60

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN TCHE-FUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 3 IN., DEPTH 2,329 FT, SCREENED 2,289-2,329. MP CENTER LINE OF TEE, 2.50 FT ABOVE LSD.

LSD 11 FT ABOVE NGVD.

HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960,

LOWEST WATER LEVEL 81.50 ABOVE LSD, SEP. 14, 1989.

RECORDS AVAILABLE 1960-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1992	+83.00	MAR. 1, 1993	+82.90	MAY 11, 1993	+83.60	JULY 28, 1993	+85.50

See footnotes at end of table.

GROUND-WATER LEVELS
TANGIPAHOA PARISH--Continued

303420090221701 LOCAL WELL NUMBER: TA-278

OWNER: RAY DUNNINGTON. (SEC. 35, T. 5S., R. 8E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 1,430 FT, SCREENED 1,410-1,430. MP TOP OF CASING, 2.00 FT ABOVE LSD.

LSD 52 FT ABOVE NGVD.

HIGHEST WATER LEVEL 87.80 ABOVE LSD, JAN. 14, 1961,

LOWEST WATER LEVEL 56.50 ABOVE LSD, AUG. 20, 1992.

RECORDS AVAILABLE 1961, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1992	+57.00	MAR. 1, 1993	+57.80	MAY 11, 1993	+59.00	JULY 28, 1993	+57.80

303104090335901 LOCAL WELL NUMBER: TA-343

OWNER: HAMMOND STATE SCHOOL. (SEC. 24, T. 6S., R. 6E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN., DEPTH 2,442 FT, SCREENED 2,402-2,442. MP CENTER LINE OF FAUCET ON BEND OF 8-IN. PIPE, 1.83 FT ABOVE LSD.

LSD 42 FT ABOVE NGVD.

HIGHEST WATER LEVEL 87.43 ABOVE LSD, MAY 19, 1969,

LOWEST WATER LEVEL 35.10 ABOVE LSD, AUG. 10, 1992.

RECORDS AVAILABLE 1969, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1992	+35.30	MAR. 1, 1993	+36.50	MAY 11, 1993	+36.70	JULY 28, 1993	+35.30

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 593-603. MP TO OF 2-IN. GALV. PIPE, 2.15 FT ABOVE LSD.

LSD 220 FT ABOVE NGVD.

HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975,

LOWEST WATER LEVEL 7.22 BELOW LSD, OCT. 23, 1986.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1992	5.03	MAR. 1, 1993	5.40	MAY 11, 1993	4.15	JULY 28, 1993	4.40

305604090312101 LOCAL WELL NUMBER: TA-454

OWNER: TOWN OF KENTWOOD. (SEC. 29, T. 1S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 720 FT, SCREENED 640-720. MP TOP OF 3/8-IN. BREATHER PIPE, 2.24 FT ABOVE LSD.

LSD 260 FT ABOVE NGVD.

HIGHEST WATER LEVEL 70.09 BELOW LSD, JAN. 14, 1992,

LOWEST WATER LEVEL 84.41 BELOW LSD, JULY 2, 1990.

RECORDS AVAILABLE 1983, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1992	76.75	MAR. 1, 1993	77.71	MAY 11, 1993	77.09	JULY 28, 1993	78.41

See footnotes at end of table.

GROUND-WATER LEVELS

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E.R. McDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 110 FT, SCREENED 80-110. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 79.6 FT ABOVE NGVD.

HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979,

LOWEST WATER LEVEL 17.78 BELOW LSD, JUNE 11, 1987.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	13.75	JAN. 4, 1993	14.19	APR. 5, 1993	13.88	JULY 13, 1993	11.97

UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: RIVERWOOD INTERNATIONAL, USA. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN., DEPTH 745 FT, SCREENED 670-745. MP 3/4-IN. HOLE IN TOP OF WELL COVER, 1.90 FT ABOVE LSD.

LSD 133.92 FT ABOVE NGVD.

HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959,

LOWEST WATER LEVEL 180.76 BELOW LSD, JULY 15, 1993.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1992	177.87	JAN. 6, 1993	177.74	APR. 5, 1993	177.57	JULY 15, 1993	180.76

VERMILION PARISH

295031092203202 LOCAL WELL NUMBER: VE-630U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 10, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN., DEPTH 498 FT, SCREENED 488-498. MP TOP OF 2-IN. CASING, 2.00 FT ABOVE LSD.

LSD 4.75 FT ABOVE NGVD.

HIGHEST WATER LEVEL 7.15 BELOW LSD, MAR. 5, 1968,

LOWEST WATER LEVEL 14.99 BELOW LSD, SEP. 7, 1990.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 8, 1993	8.85						

295345092100703 LOCAL WELL NUMBER: VE-637L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN., DEPTH 243 FT, SCREENED 233-243. MP TOP OF 1-IN. PIPE, 2.66 FT ABOVE LSD.

LSD 4.06 FT ABOVE NGVD.

HIGHEST WATER LEVEL 8.10 BELOW LSD, FEB. 24, 1966,

LOWEST WATER LEVEL 15.11 BELOW LSD, JUNE 25, 1970.

RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 20, 1993	11.56						

GROUND-WATER LEVELS
VERMILION PARISH--Continued

295345092100702 LOCAL WELL NUMBER: VE-637U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN., DEPTH 198 FT, SCREENED 188-198. MP TOP OF 1-IN. PIPE, 2.66 FT ABOVE LSD.

LSD 4.06 FT ABOVE NGVD.

HIGHEST WATER LEVEL 7.99 BELOW LSD, FEB. 24, 1966.

LOWEST WATER LEVEL 13.51 BELOW LSD, JUNE 9, 1971.

RECORDS AVAILABLE 1964-83, 1985, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1992	9.44	FEB. 23, 1993	9.54	MAY 19, 1993	8.60	JULY 23, 1993	11.30

293845092264901 LOCAL WELL NUMBER: VE-639

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 608 FT, SCREENED 603-608. MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.

LSD 5.84 FT ABOVE NGVD.

HIGHEST WATER LEVEL 6.22 BELOW LSD, OCT. 20, 1965.

LOWEST WATER LEVEL 10.22 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1965-79, 1981, 1983-85, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1992	10.22	APR. 20, 1993	9.14				

VERNON PARISH

310251093125501 LOCAL WELL NUMBER: V-108

OWNER: U.S. ARMY, FORT POLK. (SEC. 20, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN., DEPTH 675 FT, SCREENED 640-675. MP TOP OF CASING, 1.50 FT ABOVE LSD.

LSD 305.27 FT ABOVE NGVD.

HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961.

LOWEST WATER LEVEL 214.14 BELOW LSD, JULY 25, 1981.

RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1992	181.65J	DEC. 20, 1992	169.24	MAR. 20, 1993	171.42	JULY 5, 1993	161.95
OCT. 5	180.78	DEC. 25	170.25	MAR. 25	170.32	JULY 10	161.75
OCT. 6	180.85H	DEC. 31	169.33	APR. 15	164.67H	JULY 15	161.52
OCT. 10	180.01	JAN. 5, 1993	170.28	APR. 20	164.30	JULY 20	161.54
OCT. 15	179.34	JAN. 10	170.30	APR. 25	164.29	JULY 21	161.47J
OCT. 20	178.37	JAN. 15	170.38	APR. 30	164.25	JULY 25	161.61
OCT. 25	177.46	JAN. 20	170.44	MAY 5	164.12	JULY 28	161.82H
OCT. 31	176.43	JAN. 25	170.59	MAY 10	164.01	JULY 31	161.81
NOV. 3	176.01H	JAN. 31	170.12	MAY 15	163.81	AUG. 5	161.86
NOV. 5	175.76	FEB. 5	169.65H	MAY 20	163.66	AUG. 10	161.93
NOV. 10	175.05	FEB. 10	169.48	MAY 25	163.74	AUG. 15	161.94
NOV. 15	174.41	FEB. 15	168.91	MAY 31	163.62	AUG. 20	163.45
NOV. 20	172.90	FEB. 20	168.70	JUNE 3	163.52H	AUG. 25	162.71
NOV. 25	173.14	FEB. 25	168.51	JUNE 5	163.44	AUG. 31	165.91
NOV. 30	173.43	FEB. 28	168.47	JUNE 10	163.21	SEP. 5	168.30
DEC. 5	173.40	MAR. 2	171.20	JUNE 15	162.94	SEP. 10	170.73
DEC. 9	169.87H	MAR. 4	171.58J	JUNE 20	162.32	SEP. 15	173.03
DEC. 10	169.69	MAR. 5	171.53	JUNE 25	162.30	SEP. 20	173.46
DEC. 15	170.67	MAR. 10	169.93	JUNE 28	162.02J	SEP. 25	180.22J
DEC. 19	168.95J	MAR. 15	170.97	JUNE 30	162.08		

GROUND-WATER LEVELS
VERNON PARISH--Continued

305850093260801 LOCAL WELL NUMBER: V-196

OWNER: LUTCHER MOORE LUMBER CO. (SEC. 18, T. 1S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 503 FT, SCREENED 450-503. MP TOP OF VENT PIPE, 2.00 FT ABOVE LSD.

LSD 243 FT ABOVE NGVD.

HIGHEST WATER LEVEL 99.00 BELOW LSD, APR. 7, 1955,

LOWEST WATER LEVEL 132.40 BELOW LSD, DEC. 10, 1987.

RECORDS AVAILABLE 1955, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	125.98	JAN. 5, 1993	126.52	APR. 8, 1993	124.79	JULY 28, 1993	124.86

310625093133501 LOCAL WELL NUMBER: V-204

OWNER: U.S. ARMY, FORT POLK. (SEC. 31, T. 2N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 18 IN., DEPTH 1,100 FT, SCREENED 1,012-1,100. MP TOP OF CASING, 1.30 FT ABOVE LSD.

LSD 303 FT ABOVE NGVD.

HIGHEST WATER LEVEL 146.68 BELOW LSD, JAN. 30, 1986,

LOWEST WATER LEVEL 159.17 BELOW LSD, OCT. 25, 1990.

RECORDS AVAILABLE 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1992	157.10	JAN. 10, 1993	154.46	APR. 10, 1993	153.84	JULY 5, 1993	155.28
OCT. 6	157.10H	JAN. 15	154.45	APR. 15	153.62	JULY 10	155.48
OCT. 10	157.15	JAN. 20	154.35	APR. 20	152.17	JULY 15	155.92
OCT. 15	156.98	JAN. 23	154.27	APR. 25	152.82	JULY 20	156.05
OCT. 20	156.81	JAN. 25	154.34	APR. 30	152.61	JULY 25	156.31
OCT. 25	156.83	JAN. 31	154.66	MAY 5	152.88	JULY 28	156.42H
OCT. 31	156.60	FEB. 5	154.60	MAY 10	152.46	JULY 31	156.50
NOV. 5	156.43	FEB. 10	154.63	MAY 14	152.17J	AUG. 5	156.50
NOV. 10	156.45	FEB. 15	154.60	MAY 15	152.21	AUG. 10	156.48
NOV. 15	156.41	FEB. 20	154.70	MAY 20	152.41	AUG. 15	156.64
NOV. 20	156.14	FEB. 25	154.78	MAY 25	153.29	AUG. 20	156.83
NOV. 25	155.64	FEB. 28	154.82	MAY 31	153.23	AUG. 21	156.90J
NOV. 30	155.53	MAR. 5	154.89	JUNE 5	153.88	AUG. 25	156.74
DEC. 5	155.45	MAR. 10	154.66	JUNE 10	154.14	AUG. 31	156.48
DEC. 10	155.29	MAR. 15	154.87	JUNE 15	155.21	SEP. 5	156.44
DEC. 15	155.10	MAR. 20	154.95	JUNE 16	155.33J	SEP. 10	156.77
DEC. 17	155.16H	MAR. 23	155.33J	JUNE 20	155.14	SEP. 15	156.37
DEC. 20	154.03	MAR. 25	155.19	JUNE 25	155.06	SEP. 20	156.48
DEC. 25	154.88	MAR. 31	155.13	JUNE 30	155.05	SEP. 25	155.89
DEC. 31	154.66J	APR. 5	154.56	JULY 1	155.06J	SEP. 30	155.53
JAN. 5, 1993	154.58						

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 915 FT, SCREENED 905-915. MP TOP OF BUSHING, 3.10 FT ABOVE LSD.

LSD 305 FT ABOVE NGVD.

HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969,

LOWEST WATER LEVEL 145.59 BELOW LSD, JULY 1, 1992.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	146.26	JAN. 6, 1993	143.05	APR. 8, 1993	146.47	JULY 7, 1993	147.18

See footnotes at end of table.

GROUND-WATER LEVELS
VERNON PARISH--Continued

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 925 FT, SCREENED 915-925. MP TOP OF BUSHING, 2.00 FT ABOVE LSD.

LSD 290 FT ABOVE NGVD.

HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968,

LOWEST WATER LEVEL 121.57 BELOW LSD, JULY 7, 1993.

RECORDS AVAILABLE 1967-80, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	118.28	JAN. 6, 1993	116.29	APR. 8, 1993	120.10	JULY 7, 1993	121.57

310708093100904 LOCAL WELL NUMBER: V-513

OWNER: U.S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 1,275 FT, SCREENED 1,167-1,212 AND 1,245-1,275. MP TOP OF PVC DROP PIPE, 2.60 FT ABOVE LSD.

LSD 335 FT ABOVE NGVD.

HIGHEST WATER LEVEL 177.45 BELOW LSD, JAN. 3, 1992,

LOWEST WATER LEVEL 240.58 BELOW LSD, JULY 10, 1985.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	188.21	JAN. 5, 1993	186.87	APR. 14, 1993	186.72	JULY 28, 1993	188.01

WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: GAYLORD CONTAINER CORP. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 20 IN., DEPTH 156 FT, SCREENED 90-156. MP TOP EDGE OF RECORDER SHELTER SUBFLOOR, 1.30 FT ABOVE LSD.

LSD 95 FT ABOVE NGVD.

HIGHEST WATER LEVEL 1.30 ABOVE LSD, FEB. 22, 1961,

LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	8.95	MAR. 3, 1993	9.95	MAY 12, 1993	11.05	JULY 28, 1993	12.32

304612089512401 LOCAL WELL NUMBER: WA-158

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 12 3/4 IN., DEPTH 1,414 FT, SCREENED 1,337-1,414 MP TOP OF SANITARY SEAL, 1.63 FT ABOVE LSD.

LSD 97 FT ABOVE NGVD.

HIGHEST WATER LEVEL 53.00 BELOW LSD, MAY 18, 1987,

LOWEST WATER LEVEL 92.40 BELOW LSD, SEP. 10, 1991.

RECORDS AVAILABLE 1987, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	88.08	MAR. 3, 1993	87.22	MAY 12, 1993	90.83	JULY 28, 1993	90.27

GROUND-WATER LEVELS
WEBSTER PARISH

325518093221901 LOCAL WELL NUMBER: WB-399

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 22N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 298 FT, SCREENED 288-298. MP TOP OF CASING, 0.03 FT ABOVE LSD. LSD 205 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.37 BELOW LSD, MAR. 11, 1987,

LOWEST WATER LEVEL 46.34 BELOW LSD, NOV. 3, 1980.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1992	44.35	JAN. 4, 1993	44.54	APR. 23, 1993	43.72	JULY 6, 1993	43.91

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: CITY OF PORT ALLEN. (SEC. 66, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 IN., DEPTH 1,335 FT, SCREENED 1,230-1,335. MP TOP EDGE OF 3/8-IN. HOLE IN 8-IN. PLUG IN TEE ATOP CASING, 3.60 FT ABOVE LSD.

LSD 27 FT ABOVE NGVD.

HIGHEST WATER LEVEL 36.10 ABOVE LSD, JUNE 21, 1943,

LOWEST WATER LEVEL 112.62 BELOW LSD, AUG. 15, 1974.

RECORDS AVAILABLE 1943-46, 1949-50, 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	80.54	FEB. 19, 1993	80.64	MAY 10, 1993	82.53	JULY 12, 1993	78.62

302546091131402 LOCAL WELL NUMBER: WBR-97B

OWNER: MRS. HUGHES. (SEC. 70, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,200 FT, SCREENED 2,170-2,200. MP TOP EDGE OF 1/2-IN. HOLE IN 4-IN. CAP, 0.92 FT ABOVE LSD.

LSD 17 FT ABOVE NGVD.

HIGHEST WATER LEVEL 26.50 ABOVE LSD, JULY 22, 1964,

LOWEST WATER LEVEL 72.08 BELOW LSD, FEB. 20, 1985.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1992	36.43	FEB. 19, 1993	36.58	MAY 10, 1993	34.43	JULY 12, 1993	32.89

302652091121401 LOCAL WELL NUMBER: WBR-100A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,888 FT, SCREENED 1,884-1,888. MP TOP OF 4-IN. CASING, 1.50 FT ABOVE LSD.

LSD 29 FT ABOVE NGVD.

HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966,

LOWEST WATER LEVEL 129.12 BELOW LSD, DEC. 20, 1976.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1992	101.10	FEB. 19, 1993	100.94	MAY 10, 1993	99.15	JULY 12, 1993	102.05

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH--Continued

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP OF 2-IN. CASING, 2.06 FT ABOVE LSD.

LSD 29 FT ABOVE NGVD.

HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966,

LOWEST WATER LEVEL 169.38 BELOW LSD, OCT. 23, 1980.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1992	137.31	FEB. 19, 1993	143.14	MAY 10, 1993	142.08	JULY 12, 1993	137.72
NOV. 11	143.59						

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 PLOCIENE AGE, DIAM 4 IN., DEPTH 1,288 FT, SCREENED 1,284-1,288. MP TOP OF 4-IN. CASING, 1.71 FT ABOVE LSD.

LSD 18 FT ABOVE NGVD.

HIGHEST WATER LEVEL 38.22 BELOW LSD, JAN. 24, 1992,

LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.

RECORDS AVAILABLE 1966-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1992	44.64	FEB. 19, 1993	45.74	MAY 10, 1993	44.77	JULY 12, 1993	45.79

302806091172602 LOCAL WELL NUMBER: WBR-102B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,100 FT, SCREENED 2,096-2,100. MP TOP OF 2-IN. CASING, 2.07 FT ABOVE LSD.

LSD 18 FT ABOVE NGVD.

HIGHEST WATER LEVEL 63.89 BELOW LSD, APR. 22, 1966,

LOWEST WATER LEVEL 189.22 BELOW LSD, SEP. 25, 1973.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1992	146.48	FEB. 19, 1993	147.13	MAY 10, 1993	144.81	JULY 12, 1993	147.48

302703091133703 LOCAL WELL NUMBER: WBR-106

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 2,017 FT, SCREENED 2,012-2,017. MP TOP EDGE OF 3/4-IN. AIR LINE, 2.08 FT ABOVE LSD.

LSD 22 FT ABOVE NGVD.

HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966,

LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.

RECORDS AVAILABLE 1966-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1992	218.85	MAR. 25, 1993	218.87	MAY 10, 1993	220.29		

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH--Continued

302550091124101 LOCAL WELL NUMBER: WBR-111

OWNER: CITY OF PLAQUEMINE. (SEC. 70, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 16 TO 10 TO 8 IN., DEPTH 2,650 FT, SCREENED 2,610-2,650. MP TOP OF 8-IN. CASING, 1.35 FT ABOVE LSD.

LSD 25 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.50 ABOVE LSD, JAN. 15, 1970,

LOWEST WATER LEVEL 37.70 BELOW LSD, MAY 17, 1971.

RECORDS AVAILABLE 1970-71, 1974, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1992	+19.85	MAR. 18, 1993	+17.95	JUNE 4, 1993	+17.36	AUG. 16, 1993	+13.37

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 119, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN., DEPTH 472 FT, SCREENED 462-472. MP TOP OF 1 1/2 BY 3/4-IN. BUSHING, 0.45 FT ABOVE LSD. PRIOR TO JAN. 25, 1992, MP TOP OF 1 1/2-IN. COLLAR, AT LSD.

LSD 25 FT ABOVE NGVD.

HIGHEST WATER LEVEL 10.54 ABOVE LSD, APR. 27, 1979,

LOWEST WATER LEVEL 20.60 BELOW LSD, OCT. 24, 1988.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1992	7.85	FEB. 19, 1993	7.90	MAY 10, 1993	6.45	JULY 12, 1993	2.20

302559091122001 LOCAL WELL NUMBER: WBR-147

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 1,292 FT, SCREENED 1,282-1,292. MP TOP OF 2 1/2-IN. COLLAR, 1.23 FT ABOVE LSD.

LSD 27 FT ABOVE NGVD.

HIGHEST WATER LEVEL 30.43 BELOW LSD, JUNE 15, 1990,

LOWEST WATER LEVEL 45.37 BELOW LSD, MAY 8, 1980.

RECORDS AVAILABLE 1977-1992.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1992	33.57						

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 1,304 FT, SCREENED 1,294-1,304. MP TOP OF 2 1/2-IN. CASING, AT LSD.

LSD 14 FT ABOVE NGVD.

HIGHEST WATER LEVEL 33.61 BELOW LSD, JAN. 24, 1992,

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. 27, 1992	43.04	FEB. 19, 1993	37.52	MAY 10, 1993	38.89	JULY 12, 1993	39.97
DEC. 7	38.55						

See footnotes at end of table.

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH--Continued

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 IN., DEPTH 840 FT, SCREENED 830-840. MP 1/2-IN. HOLE IN TOP OF CAP, 2.40 FT ABOVE LSD.

LSD 26 FT ABOVE NGVD.

HIGHEST WATER LEVEL 47.10 BELOW LSD, JULY 15, 1980,

LOWEST WATER LEVEL 112.70 BELOW LSD, OCT. 9, 1981.

RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1992	83.65	FEB. 19, 1993	82.75	MAY 10, 1993	82.89	JULY 12, 1993	83.75

302958091124802 LOCAL WELL NUMBER: WBR-161

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 650 FT, SCREENED 640-650. MP HOLE IN TOP OF CAP, 2.00 FT ABOVE LSD.

LSD 26 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.86 BELOW LSD, JULY 5, 1990,

LOWEST WATER LEVEL 63.75 BELOW LSD, SEP. 19, 1979.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1992	29.45	FEB. 19, 1993	29.55	MAY 10, 1993	27.56	JULY 12, 1993	31.62

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCK-FIELD FM. OF EOCENE AGE, DIAM 4 TO 2 IN., DEPTH 383 FT, SCREENED 377-383. MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.

LSD 106.35 FT ABOVE NGVD.

HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963,

LOWEST WATER LEVEL 32.39 BELOW LSD, MAR. 9, 1971, SEP. 7, 1972.

RECORDS AVAILABLE 1955-82, 1984-87, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1992	30.55	JAN. 5, 1993	30.14	MAR. 30, 1993	29.98	JULY 6, 1993	29.87

324508091252302 LOCAL WELL NUMBER: WC-230

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/4 IN., DEPTH 87 FT, SCREENED 84-87. MP TOP OF CASING, 3.0 FT ABOVE LSD.

LSD 120 FT ABOVE NGVD.

HIGHEST WATER LEVEL 28.19 BELOW LSD, JULY 17, 1991,

LOWEST WATER LEVEL 30.34 BELOW LSD, OCT. 3, 1990.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1992	29.59	JAN. 5, 1993	29.97	MAR. 30, 1993	29.83	JULY 6, 1993	29.39

GROUND-WATER LEVELS
WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-22D

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 53, T. 1S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 907 FT, SCREENED 847-907. MP TOP OF IRON COVER PLATE, 0.50 FT ABOVE LSD.

LSD 60 FT ABOVE NGVD.

HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959,

LOWEST WATER LEVEL 14.60 BELOW LSD, NOV. 18, 1992.

RECORDS AVAILABLE 1956, 1958-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1992	14.60	MAR. 4, 1993	9.39	MAY 13, 1993	6.84	JULY 19, 1993	10.04

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 24, T. 1S., R. 5W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 12 IN., REPORTED DEPTH 632 FT, SCREENED 549-632. MP TOP INSIDE EDGE OF 2-IN. ELBOW ATOP CASING, 2.85 FT ABOVE LSD.

LSD 50 FT ABOVE NGVD.

HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958,

LOWEST WATER LEVEL 17.25 BELOW LSD, NOV. 18, 1992, MAR. 4, 1993.

RECORDS AVAILABLE 1956, 1958-59, 1963-88, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1992	17.25	MAR. 4, 1993	17.25				

304844091204101 LOCAL WELL NUMBER: WF-158

OWNER: G.A. DANIEL. (SEC. 80, T. 3S., R. 2W.) DRILLED UNUSED WATER-TABLE WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 2 IN., DEPTH 156 FT, SCREENED 146-156. MP TOP OF 2-IN. CASING, 0.50 FT ABOVE LSD.

LSD 198 FT ABOVE NGVD.

HIGHEST WATER LEVEL 96.23 BELOW LSD, SEP. 16, 1992,

LOWEST WATER LEVEL 102.23 BELOW LSD, AUG. 5, 1991.

RECORDS AVAILABLE 1958, 1976-78, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1992	96.61	MAR. 4, 1993	96.69	MAY 13, 1993	97.05	JULY 19, 1993	97.61

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 IN., DEPTH 1,526 FT, SCREENED 1,446-1,526. MP PLUG ON FLANGE, 1.23 FT ABOVE LSD.

LSD 140 FT ABOVE NGVD.

HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962,

LOWEST WATER LEVEL 133.95 BELOW LSD, JAN. 27, 1982.

RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1992	111.99	MAR. 4, 1993	112.99	MAY 13, 1993	114.80	JULY 19, 1993	115.79

GROUND-WATER LEVELS
WEST FELICIANA PARISH--Continued

304933091224201 LOCAL WELL NUMBER: WF-254

OWNER: WEST FELICIANA PARISH SCHOOL BOARD. (SEC. 68, T. 2S., R. 3W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 793 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN. CASING, 0.80 FT ABOVE LSD.

LSD 155 FT ABOVE NGVD.

HIGHEST WATER LEVEL 100.96 BELOW LSD, DEC. 8, 1992,

LOWEST WATER LEVEL 104.75 BELOW LSD, MAY 13, 1993.

RECORDS AVAILABLE 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1992	100.96	MAR. 4, 1993	103.75	MAY 13, 1993	104.75	JULY 19, 1993	101.78

304958091191801 LOCAL WELL NUMBER: WF-274

OWNER: WEST FELICIANA PARISH WATERWORKS DISTRICT 13. (SEC. 44, T. 2S, R. 2W) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 10 IN., DEPTH 1,630 FT, SCREENED 1,590-1,630. MP EDGE OF BREATHER PIPE, 2.9 FT ABOVE LSD.

LSD 220 FT ABOVE NGVD.

HIGHEST WATER LEVEL 198.38 BELOW LSD, SEP. 16, 1992,

LOWEST WATER LEVEL 207.24 BELOW LSD, AUG. 5, 1991.

RECORDS AVAILABLE 1982, 1990-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1992	201.38	MAR. 4, 1993	200.53	MAY 13, 1993	201.43	JULY 19, 1993	198.51

305547091202301 LOCAL WELL NUMBER: WF-286

OWNER: WEST FELICIANA PARISH WATERWORKS DISTRICT 13. (SEC. 83, T. 1S, R. 2W) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF Pliocene-Miocene AGE, DIAM 10-8 IN., DEPTH 982 FT, SCREENED 912-930 AND 940-982. MP EDGE OF BREATHER PIPE, W. SIDE, 1.9 FT ABOVE LSD.

LSD 290 FT ABOVE NGVD.

HIGHEST WATER LEVEL 234.00 BELOW LSD, SEP. 26, 1987,

LOWEST WATER LEVEL 253.86 BELOW LSD, AUG. 5, 1991.

RECORDS AVAILABLE 1987, 1992-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1992	247.79	MAR. 4, 1993	248.70	MAY 13, 1993	242.34	JULY 19, 1993	247.74

WINN PARISH

315527092370801 LOCAL WELL NUMBER: W-28

OWNER: CITY OF WINNFELD. (SEC. 19, T. 11N., R. 2W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 14 TO 10 IN., DEPTH 480 FT, SCREENED 360-480. MP TOP OF 1-IN. COUPLING, 1.1 FT ABOVE LSD.

LSD 105 FT ABOVE NGVD.

HIGHEST WATER LEVEL 39.10 BELOW LSD, APR. 6, 1992,

LOWEST WATER LEVEL 52.55 BELOW LSD, JULY 15, 1993.

RECORDS AVAILABLE 1963, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1992	50.27	JAN. 6, 1993	44.04	APR. 7, 1993	48.03	JULY 15, 1993	52.55

GROUND-WATER LEVELS

WINN PARISH--Continued

315450092310102 LOCAL WELL NUMBER: W-144B

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 550 FT, SCREENED 540-550. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 140 FT ABOVE NGVD.

HIGHEST WATER LEVEL 28.50 BELOW LSD, MAR. 5, 1986,

LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.

RECORDS AVAILABLE 1971-87, 1989-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1993	33.86	SEP. 14, 1993	34.58				

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 655 FT, SCREENED 645-655. MP TOP OF BUSHING, 3.7 FT ABOVE LSD.

LSD 140 FT ABOVE NGVD.

HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979,

LOWEST WATER LEVEL 86.53 BELOW LSD, OCT. 11, 1990.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1992	87.12	JAN. 6, 1993	86.96	APR. 12, 1993	86.74	JULY 12, 1993	87.20

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 195 FT ABOVE NGVD.

HIGHEST WATER LEVEL 101.79 BELOW LSD, MAY 12, 1989,

LOWEST WATER LEVEL 106.89 BELOW LSD, SEP. 5, 1980.

RECORDS AVAILABLE 1979-87, 1989, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1993	104.85	SEP. 14, 1993	105.66				

* Measuring point.

+ Above land-surface datum.

H Tape measurement (recorder).

J Recorder measurement for a time other than noon.

R Measurement reported.

QUALITY OF GROUND WATER

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1992 TO SEPTEMBER 1993

[See end of table for explanation of geologic unit (aquifer) codes]

WELL NO.	LOCATION		GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE, FIELD (US/CM)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
ACADIA PARISH								
AC- 452	10S 1W 34	300742092265901	112CHCTU	146	12-29-92 04-13-93	-- --	a802 820	50 48
CALCASIEU PARISH								
CU- 615	10S 9W 4	301338093172801	11205LC	533	02-03-93 04-12-93	-- --	766 796	140 150
CU- 694	10S 9W 19	301044093195101	11205LC	556	12-29-92 04-12-93	-- --	a1410 1400	320 320
CU- 767	10S 8W 20	301036093124401	11207LC	850	11-17-92 04-21-93	78.00 79.90	3110 3200	840 890
CU- 771	10S 9W 5	301336093183002	11202LC	241	04-21-93	61.95	427	17
CU- 787	11S 10W 36	300353093210201	11205LC	734	02-03-93 04-21-93	51.85 58.15	520 528	48 49
CAMERON PARISH								
CN- 80U	12S 3W 24	295846092381104	112CHCTU	453	02-08-93	23.71	1270	260
CN- 86L	12S 12W 13	300120093320802	11205LC	641	11-16-92 04-22-93	39.36 42.05	1880 1920	450 460
CN- 88L	12S 8W 14	300055093093004	11205LC	804	11-17-92 04-20-93	46.37 51.58	2350 2300	570 600
CN- 90	13S 7W 4	295611093044801	112CHCTU	396	11-17-92 04-20-93	37.61 28.06	978 973	170 170
CN- 92	12S 7W 12	300104093015601	112CHCTU	443	11-17-92 04-26-93	33.81 35.55	1560 1550	300 340
CONCORDIA PARISH								
CO- 205	5N 8E 4	312614091400001	112MRVA	130	03-09-93 09-01-93	8.06 13.22	829 810	20 19
CO- 215	5N 8E 3	312630091390001	112MRVA	121	03-09-93 09-01-93	6.61 11.03	3320 3510	860 940
EAST BATON ROUGE PARISH								
EB- 151	7S 1E 82	302641091085801	12223BR	2658	11-05-92 06-28-93 09-08-93	-- -- --	354 347 356	2.9 2.6 2.7
EB- 298	7S 1E 81	302638091090801	12112BR	1387	10-23-92	114.03	384	2.6
EB- 413	7S 1E 81	302642091083201	12115BR	1745	11-05-92 06-28-93 09-08-93	-- -- --	322 314 322	3.8 2.9 3.0
EB- 434	7S 1W 49	302619091104003	11206BR	611	10-19-92	55.43	481	70
EB- 444	7S 1W 48	302655091112401	12220BR	2172	06-29-93	--	396	2.5
EB- 621	7S 1E 39	302500091052501	12112BR	1487	11-05-92 09-08-93	-- --	387 381	12 8.6
EB- 630	7S 1W 48	302651091112408	12220BR	2253	06-29-93 09-10-93	-- --	815 a380	140 3.3
EB- 674	7S 1W 48	302656091101301	12220BR	2250	09-09-93	--	a370	3.2
EB- 700	6S 1E 88	303130091073101	12228BR	2557	09-09-93	--	617	8.1

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1992 TO SEPTEMBER 1993

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL	DATE OF SAMPLE (FEET)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE, FIELD (US/CM)	CHLORIDE, DIS-SOLVED (MG/L) AS CL)
EAST BATON ROUGE PARISH--Continued								
EB- 733	7S 1E 81	302647091083301	12223BR	2637	11-05-92	--	344	2.2
					06-28-93	--	335	2.6
					09-08-93	--	343	2.7
EB- 750	6S 1W 75	303141091114801	12228BR	2643	11-05-92	--	726	61
					09-08-93	--	715	55
EB- 771	7S 1E 81	302646091083801	12115BR	1739	11-05-92	--	319	2.0
					06-28-93	--	312	3.4
					09-08-93	--	317	3.4
EB- 778	7S 1E 94	302509091082701	12220BR	2586	10-14-92	2.61	990	160
					09-15-93	2.84	1030	150
EB- 780A	7S 1E 94	302509091082702	12112BR	1622	10-15-92	34.11	3000	910
					09-15-93	34.76	3070	940
EB- 780B	7S 1E 94	302509091082703	12115BR	1913	10-15-92	33.81	1690	360
EB- 781	7S 1E 94	302535091090401	12220BR	2286	10-13-92	185.24	9300	3000
					09-27-93	202.72	9030	3200
EB- 782A	7S 1E 94	302535091090402	12110BR	1189	09-21-93	--	2130	560
EB- 782B	7S 1E 94	302535091090403	12115BR	1681	09-21-93	97.82	2480	710
EB- 783A	7S 1W 54	302502091113601	12115BR	2179	10-22-92	53.76	1100	120
EB- 783B	7S 1W 54	302502091113602	12220BR	2675	11-06-92	--	3400	850
EB- 789B	7S 1E 93	302511091070402	12115BR	1721	10-15-92	43.14	7350	2400
					09-21-93	42.47	7190	2400
EB- 792B	7S 1E 95	302605091080602	12220BR	2286	10-06-92	186.29	385	2.2
					09-16-93	197.09	391	2.6
EB- 793	7S 1W 71	302719091103201	11206BR	687	10-20-92	56.97	429	6.2
					09-30-93	43.80	324	3.5
EB- 794	7S 1W 52	302559091110801	12224BR	2709	10-21-92	153.88	678	15
EB- 798	6S 1W 39	303133091103101	12228BR	2647	11-25-92	--	1060	170
					09-08-93	--	1470	310
EB- 803B	8S 2E 5	302306091022602	12220BR	2565	10-16-92	b+16.07	2300	580
					09-14-93	--	2230	560
EB- 804A	7S 1E 70	302428091035001	12117BR	1950	11-19-92	89.58	394	2.4
					09-22-93	114.45	385	2.5
EB- 804B	7S 1E 70	302428091035002	12224BR	2762	10-15-92	--	424	2.1
					09-14-93	104.38	447	7.8
EB- 805	7S 1E 70	302428091035003	12110BR	1072	09-14-93	69.83	20100	7500
EB- 807A	7S 1E 96	302611091091201	12115BR	1713	10-30-92	150.00	10500	3500
					09-28-93	143.00	11000	3700
EB- 807B	7S 1E 96	302611091091202	12220BR	2264	10-09-92	106.07	451	28
EB- 816	7S 1E 62	302534091054501	11204BR	520	09-13-93	--	297	3.9
EB- 822	7S 1W 54	302510091105003	11204BR	573	10-21-92	15.26	2980	860
EB- 824	7S 1E 96	302553091092001	11206BR	581	10-08-92	40.50	291	4.0
EB- 825	7S 1E 96	302553091092002	11204BR	475	10-08-92	38.55	278	4.0
					09-15-93	33.87	277	3.7
EB- 870	7S 1W 44	302729091100601	11206BR	692	10-19-92	54.94	292	1.8
					09-30-93	57.95	290	2.9
EB- 874	7S 1W 40	302750091111001	12220BR	2250	06-28-93	--	348	2.8
EB- 879	7S 2E 61	302402091005201	11206BR	664	09-09-93	--	298	3.1
EB- 917	7S 1E 95	302614091083001	12115BR	1736	10-07-92	150.22	436	49
					09-24-93	149.40	445	48
EB- 918	7S 1E 91	302547091074401	12115BR	1834	10-07-92	137.78	334	3.0
					09-29-93	115.88	345	5.7
EB-1000	6S 1W 69	303251091115001	12228BR	2926	10-05-92	54.59	797	95
					09-29-93	--	805	91
EB-1007	7S 1W 71	302711091111501	12108BR	845	09-13-93	--	371	5.1

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1992 TO SEPTEMBER 1993

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE, FIELD (US/CM)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
EAST BATON ROUGE PARISH--Continued								
EB-1017C	7S 2E 57	302406091021203	11204BR	567	09-08-93	--	304	3.4
EB-1028	7S 1W 53	302605091100901	12220BR	2238	10-22-92	182.12	1050	220
EB-1150	7S 1W 74	302653091103703	12220BR	2242	06-29-93	--	378	3.2
FRANKLIN PARISH								
FR- 720	14N 8E 30	320941091411301	112MRVA	100	03-08-93	17.72	10000	3300
					09-08-93	21.64	9900	3100
FR- 721	14N 7E 25	320958091425501	112MRVA	77	03-08-93	10.10	1790	320
					09-08-93	11.05	1780	320
IBERIA PARISH								
I- 93	12S 7E 5	300035091443301	112CHCTU	585	11-10-92	18.05	809	70
					04-19-93	16.15	798	64
JEFFERSON PARISH								
JF- 161	13S 23E 1	295549090104101	112GZNO	772	12-03-92	--	1340	230
					05-25-93	--	a1350	230
JF- 184	12S 10E 38	295926090143201	112GZNO	704	12-02-92	--	681	94
					04-06-93	--	684	85
JEFFERSON DAVIS PARISH								
JD- 491	11S 3W 14	300508092405601	112CHCTU	377	12-29-92	--	a715	100
					04-12-93	--	725	100
LAFAYETTE PARISH								
LF- 524	11S 5E 7	300605091593502	112CHCTU	174	02-02-93	--	237	5.3
					04-27-93	--	206	5.6
MADISON PARISH								
MA- 64	17N 12E 23	322614091122001	112MRVA	117	03-10-93	8.35	9180	2900
					08-31-93	14.33	9770	3000
MA- 65	17N 12E 34	322428091130201	112MRVA	119	03-10-93	5.53	6550	1800
					08-31-93	10.56	6450	1800
MOREHOUSE PARISH								
MO- 65	21N 5E 25	324647091543801	124SPRT	564	03-10-93	--	1240	190
					09-29-93	--	1240	190
MO- 342	21N 7E 19	324753091471201	124SPRT	620	03-10-93	88.60	2050	410
					09-21-93	90.79	2040	420
MO- 710	23N 10E 17	325826091280401	112MRVA	130	03-11-93	14.63	2770	460
					08-30-93	15.04	2780	490
MO- 842	22N 9E 18	325359091344802	112MRVA	90	03-18-93	32.40	889	44
					09-21-93	34.20	945	48

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1992 TO SEPTEMBER 1993

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE, FIELD (US/CM)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
ORLEANS PARISH								
OR- 61	12S 12E 38	300055090013101	112GZNO	653	12-03-92	--	997	95
					04-06-93	--	995	90
OR- 130	12S 12E 29	295738090021001	112GZNO	736	12-03-92	--	2020	420
OR- 203	11S 13E 30	300349089562401	112GZNO	453	02-05-93	58.42	1740	380
					04-23-93	66.93	1740	380
OUACHITA PARISH								
OU- 402	15N 4E 16	321714092041401	124SPRT	750	03-22-93	52.27	3660	910
					09-16-93	53.02	3700	930
OU- 403	15N 4E 16	321714092041402	124SPRT	460	03-22-93	61.15	1760	270
					09-16-93	62.29	1760	280
OU- 405	17N 4E 30	322531092053901	124SPRT	775	03-18-93	120.50	2110	410
					09-16-93	124.12	2100	420
OU- 469	16N 4E 2	322425092020401	124SPRT	400	03-11-93	--	1020	120
					09-29-93	--	1030	120
RICHLAND PARISH								
RI- 112	17N 9E 24	322623091294901	112MRVA	67	03-11-93	33.24	1440	320
					09-21-93	32.60	1570	360
RI- 114	17N 9E 24	322636091295702	112MRVA	66	03-11-93	32.28	1340	230
					09-21-93	31.93	1330	230
RI- 124	17N 9E 25	322605091301101	112MRVA	84	03-11-93	32.22	1480	230
					09-21-93	31.98	1500	240
ST. CHARLES PARISH								
SC- 159	12S 20E 23	295926090273101	112NORC	440	12-02-92	--	1560	230
ST. JAMES PARISH								
SJ- 206	11S 5E 190	300325090394701	112GRMC	244	12-07-92	--	a689	81
					03-29-93	--	678	79
ST. JOHN THE BAPTIST PARISH								
SJB- 165	10S 8E 5	301247090245901	120CVGN	3000	03-30-93	--	1020	80
					09-03-93	b+51.90	931	62
SJB- 176	9S 8E 33	301336090244101	120CVGN	2950	12-02-92	--	786	32
					03-30-93	--	797	30
					09-03-93	b+55.70	805	32
SJB- 180	10S 8E 7	301143090260101	120CVGN	3091	03-29-93	--	840	46
					09-03-93	b+65.10	825	46
ST. MARTIN PARISH								
SMN- 108	9S 7E 36	301304091424001	112CHCTU	505	02-02-93	.47	1970	350
					04-19-93	.37	1960	360
SMN- 109	9S 7E 36	301304091424002	112CHCTU	375	11-10-92	6.97	1140	110
					04-19-93	.95	1140	110
ST. MARY PARISH								
SM- 57U	14S 8E 27	294749091402301	112CHCTU	638	11-13-92	8.98	1150	200
					06-15-93	7.04	1160	190

CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1992 TO SEPTEMBER 1993

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL	DATE OF SAMPLE (FEET)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCTANCE, FIELD (US/CM)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
VERMILION PARISH								
VE- 630U	14S 1E 10	295031092203202	112CHCTU	498	02-08-93	8.85	1070	130
					04-20-93	--	1070	140
VE- 637L	13S 3E 5	295345092100703	112CHCTU	243	11-18-92	--	2600	600
					04-20-93	11.56	2630	650
VE- 639	16S 1W 2	293845092264901	112CHCTS	608	11-18-92	10.22	1540	300
					04-20-93	9.14	1540	310
WEST BATON ROUGE PARISH								
WBR- 35	7S 12E 68	302657091124201	12112BR	1290	11-06-92	--	311	3.0
WBR- 100B	7S 12E 68	302652091121402	12224BR	2448	10-26-92	137.31	365	3.0
WBR- 112	7S 12E 70	302550091124102	12115BR	2205	03-18-93	--	612	73
					06-04-93	--	a615	74
					08-16-93	--	617	76
WBR- 113	7S 12E 70	302547091123201	12115BR	2242	03-18-93	--	1050	170
					06-04-93	--	a1040	180
					08-16-93	--	1050	170
WBR- 132	7S 12E 74	302505091132001	12115BR	2082	06-30-93	--	312	3.4
WBR- 136	7S 12E 21	302712091145701	12112BR	1305	11-05-92	--	285	4.9
WBR- 147	7S 12E 70	302559091122001	12110BR	1292	10-28-92	33.57	2900	800
WBR- 148	7S 11E 23	302702091185101	12112BR	1304	10-27-92	43.04	341	2.8
WBR- 173	8S 12E 74	302456091130202	12115BR	2194	06-29-93	--	318	3.0
WBR- 181	7S 12E 68	302644091121201	12117BR	1900	11-05-92	--	299	5.8
WINN PARISH								
W- 144B	11N 1W 19	315450092310102	124SPRT	550	03-22-93	33.86	1560	130
					09-14-93	34.58	1600	130
W- 179	12N 1W 29	315948092300301	124SPRT	585	03-22-93	104.85	1390	220
					09-14-93	105.66	1420	230

a Lab measurement.

b Above land-surface datum.

GEOLOGIC UNIT (AQUIFER):

- 112CHCTS-Chicot aquifer, shallow sand unit, Pleistocene age.
- 112CHCTU-Chicot aquifer, upper sand unit, Pleistocene age.
- 112GRMC-Gramercy aquifer, Pleistocene age.
- 112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.
- 112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
- 112NORC-Norco aquifer, Pleistocene age.
- 11202LC-"200-foot" sand of Lake Charles area, Pleistocene age.
- 11204BR-"400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
- 11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.
- 11206BR-"600-foot" sand of Baton Rouge area, Pleistocene age.
- 11207LC-"700-foot" sand of Lake Charles area, Pleistocene age.
- 120CVGN-Covington aquifer, Pliocene age.
- 12108BR-"800-foot" sand of Baton Rouge area, Pleistocene age.
- 12110BR-"1,000-foot" sand sand of Baton Rouge area, Pleistocene age.
- 12112BR-"1,200-foot" sand of Baton Rouge area, Pliocene age.
- 12115BR-"1,500-foot" sand of Baton Rouge area, Pliocene age.
- 12117BR-"1,700-foot" sand of Baton Rouge area, Pliocene age.
- 12220BR-"2,000-foot" sand of Baton Rouge area, Miocene age.
- 12223BR-"2,000-foot" and "2,400-foot" sands of Baton Rouge area, Miocene age.
- 12224BR-"2,400-foot" sand of Baton Rouge area, Miocene age.
- 12228BR-"2,800-foot" sand of Baton Rouge area, Miocene age.
- 124SPRT-Sparta sand, Eocene age.

QUALITY OF GROUND WATER

MISCELLANEOUS CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1992 TO SEPTEMBER 1993

[Additional chloride and specific conductance data made be found in the preceeding chemical analyses table. <Actual value is known to be less that the value shown]

ST. JOHN THE BAPTIST PARISH

WELL NO.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SJB- 165	301247090245901	120CVGN	2950	09-03-93	931	8.7	50	3	1.0
SJB- 176	301336090244101	120CVGN	3000	09-03-93	805	8.7	40	3	1.0
SJB- 180	301143090260101	120CVGN	3091	09-03-93	825	8.6	30	3	1.0
WELL NO.	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
SJB- 165	<.1	220	.97	372	8.0	62	.8	23	560
SJB- 176	<.1	190	.80	370	8.0	32	.8	23	502
SJB- 180	<.1	200	1.3	358	6.2	46	.8	22	504
WELL NO.	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
SJB- 165	316	<.01	.06	.44	<1	14	<1	<1	<1
SJB- 176	258	<.01	.04	.48	<1	15	<1	1	<1
SJB- 180	274	<.01	.04	.43	<1	15	<1	1	1
WELL NO.	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CYANIDE DIS-SOLVED (MG/L AS CN)
SJB- 165	23	<1	11	<.1	<1	<1	<4	2.5	<.01
SJB- 176	12	1	11	<.1	<1	<1	<4	4.1	<.01
SJB- 180	31	<1	5	<.1	<1	<1	<4	1.8	<.01

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CALENDAR FOR WATER YEAR 1993

1992

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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1993

JANUARY							FEBRUARY							MARCH						
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APRIL							MAY							JUNE						
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